



*The World's Largest Open Access Agricultural & Applied Economics Digital Library*

**This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.**

**Help ensure our sustainability.**

Give to AgEcon Search

AgEcon Search

<http://ageconsearch.umn.edu>

[aesearch@umn.edu](mailto:aesearch@umn.edu)

*Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.*

*No endorsement of AgEcon Search or its fundraising activities by the author(s) of the following work or their employer(s) is intended or implied.*

# Distortions to Agricultural Incentives in Western Europe

**Tim Josling**

Freeman Spogli Institute for International Studies,  
Stanford University  
[josling@stanford.edu](mailto:josling@stanford.edu)

Agricultural Distortions Working Paper 61, September 2008

This is a product of a research project on Distortions to Agricultural Incentives, under the leadership of Kym Anderson of the World Bank's Development Research Group. The author is grateful for invaluable research support that was provided by Uli Kleinwechter and Teresa Rojas Lara of Humboldt University, for invaluable help with data compilation by Johanna Croser, Esteban Jara, Marianne Kurzweil, Signe Nelgen, Francesca de Nicola, Damiano Sandri and Ernesto Valenzuela, for helpful comments from workshop participants and from Stefan Tangermann, and for funding from World Bank Trust Funds provided by the governments of the Netherlands (BNPP) and the United Kingdom (DfID) as well as the Rockefeller Foundation for use of the Bellagio Conference Center. A revised version of this paper without the Appendix will appear in *Distortions to Agricultural Incentives: A Global Perspective, 1955 to 2007*, edited by K. Anderson, London: Palgrave Macmillan and Washington DC: World Bank (forthcoming 2009).

This is part of a Working Paper series (see [www.worldbank.org/agdistortions](http://www.worldbank.org/agdistortions)) that is designed to promptly disseminate the findings of work in progress for comment before they are finalized. The views expressed are the authors' alone and not necessarily those of the institutions with which the authors are employed, the World Bank and its Executive Directors, nor the countries they represent, nor of the countries providing the trust funds for this research project.

# **Distortions to Agricultural Incentives in Western Europe**

Tim Josling

European agricultural policy, in particular the Common Agricultural Policy (CAP) of the European Union, has long been a matter of international interest. Overseas producers have viewed agricultural policy in Europe as being a major impediment to the opening up of international trade in farm products. Internally, the policy has been no less controversial, with several member states seeking to “reform” the CAP and others regarding it as a foundation for economic integration. The overall perception, both within and outside the EU, is of a highly protective policy that shelters a high-cost agricultural sector from the winds of competition blowing from the Americas, Australasia and North Africa. Supporters claim social and political benefits from such protection, arguing that reduction of border protection and cutting of domestic support would lead to the depopulation of rural Europe and the destruction of the bedrock of social stability. Detractors see a policy that encourages overproduction, with surpluses dumped on world markets, and a misallocation of scarce resources from more profitable uses. In short, they view the CAP as a “poster child” for agricultural distortions.

Some facts are un-controversial. The continent of Western Europe made a remarkable recovery from the devastation of its infrastructure and productive capacity in the Second World War to the highly sophisticated economies of the present day. Economic integration, the development of a “single market” within the EU and the common approach taken towards external trade, are widely agreed to have been a part of that success.<sup>1</sup> The agricultural sector has also gone through a dramatic transformation, from isolated national markets and traditional production methods to an integrated EU-wide market and modern farms employing sophisticated technology. To transform agriculture in this way within two generations has been a remarkable feat. Agricultural policy has influenced that role in both positive and negative directions. It has given shelter from foreign competition and

---

<sup>1</sup> In a recent survey of European economic growth since 1950, Crafts and Toniolo (2008) conclude that incentive structures are a crucial explanator of comparative growth rates of the economies of Europe (east as well as west).

encouraged investment. But it has also encouraged high-cost production of commodities that have shrinking markets. So the story of the policy developments and the distortions that these policies maintain is valuable as a way of explaining some of the links between policy and performance.

This chapter focuses on the developments in agricultural policy, and on the consequent distortions to the economies of the Western European countries. It attempts to answer four related questions.

- Has the level of protection, and the consequent distortion in resource use and consumer purchases, been increasing or decreasing over the five decades from 1955-2007?
- How have the formation and subsequent enlargements of the European Union influenced the patterns of and trends in agricultural protection?
- What have been the main drivers of agricultural policy and to what extent have external influences impacted those forces?
- What can one say about the future trends and protection levels in Western Europe?

The chapter differs in some respects from the others in this volume. Three such differences are worth noting here. Firstly, Western Europe contains a large number of countries, with different agricultural capacity, climatic conditions, structures and political views. The differences among these countries are often as important as the similarities, and therefore generalizations are difficult to make. Inevitably, much of the focus is on the EU as an aggregate unit, rather than on each individual member country, though this misses some of the richness of the diversity of conditions. But from the viewpoint of the rest of the world, it is of interest to see the aggregate impact of the variety of policies implemented in the EU and more broadly in Western Europe.

Secondly, the process of economic integration has been more intensive and comprehensive than in any other region, developed or developing. Agriculture has been incorporated into that process of integration more fully than in most other regions, although even within Western Europe there are differences in this regard. This means that the process of integration plays a much greater role in Western Europe than in other regions in explaining the pattern and trends in distortions. And as the membership in the European Community (later the European Union) grew, countries that had previously autonomous policies adopted the Common Agricultural Policy (CAP). So the number of agricultural policies in Western Europe has in effect declined over the period considered by this study. The countries of

Western Europe have been converging over a fifty-year period towards a unified policy towards agriculture.

And thirdly, the external aspects of agricultural policy have played a more significant role in developing domestic policy in Western Europe than in most other regions. This is in spite of the fact that the Common Agricultural Policy (CAP) has often appeared resistant to pressures from abroad. The narrative of the last fifty years of agricultural policy in Western Europe is closely linked to the development of trade rules for agricultural products in the General Agreement on Tariffs and Trade (GATT) and the subsequent obligations undertaken as a result of the Uruguay Round and the resulting transformation of the GATT Secretariat into the World Trade Organization (WTO). And other trade agreements, notably the obligations to former colonies through successive Lomé Agreements, have played a significant role in driving some commodity programs within the CAP. In the EU, the separation between domestic and foreign policy in the area of agriculture has always been blurred. The Western European countries that are not members of the EU have been influenced by many of the same influences.

### **Agriculture in Western Europe, 1955 to 2007: an overview**

Agriculture in Western Europe enjoys a degree of diversity that reflects a wide variety of soils and climatic conditions ranging from the arid Mediterranean regions to the Arctic Circle. Superimposed on this natural diversity is the complexity of different social, economic and political conditions in the eighteen countries that are the subject of this chapter.<sup>2</sup> History has played a major part in creating this patchwork, particularly the different paths that countries took from feudalism to independent farming units and the inheritance laws that influenced the extent to which land ownership was transmitted from generation to generation. Average farm size varies considerably in the countries of Western Europe, in turn reflecting

---

<sup>2</sup> The countries of Western Europe, for the purposes of this chapter, include the fifteen countries that were members of the EU (the EU-15) in early 2004 along with Norway, Iceland and Switzerland. In terms of policy developments we consider each country to have abandoned its autonomous domestic farm policy when it joined the EU. Thus eighteen countries had independent policies at the start of the period, in 1955, but by 2004 the number of independent policies had dropped to four – the EU, Norway, Iceland and Switzerland. The EU then expanded eastward to embrace eight Central European countries (plus Cyprus and Malta) in May 2004 and also Bulgaria and Romania in January 2007. Most of this chapter thus focuses on the period prior to the EU's expansion eastward, while the chapter by Anderson and Swinnen (2008) focuses on eastern Europe and the former Soviet Union..

the relative political and social importance of landowners and small farmers. By the late nineteenth century, these various factors had determined a structure of farming in the Western European region that is still visible today.

The total utilized farm area in the fifteen countries of Western Europe that are members of the EU was 129 million hectares in 2004, distributed over 6.3 million holdings with an average size of 20.2 hectares.<sup>3</sup> The sector gave employment to 6.2 million persons, representing 3.8 percent of civilian employment in the EU (EUROSTAT 2006, Table 2.0.1.2). Including those three countries not in the EU in 2004, agriculture represented 4.9 percent of the labor force, down from 30.0 percent in 1950. The value of output from these farms was 300 billion euro and gross value added was 155 billion euro (at distorted prices), or 1.6 percent of total GDP for those countries.<sup>4</sup>

The total output from Western European farms has increased over the past fifty years by about 2.2 percent each year. However, this growth rate has lagged behind that of other sectors of the economy.<sup>5</sup> As a result, the share of agriculture in GDP has declined from 13.6 percent in 1955 to 2.9 percent in 2004. Only in Iceland and Greece is the share of output in GDP above 5 percent: Spain, Portugal and Finland have agricultural sectors that contribute between 3 and 4 percent of GDP. In Germany and the UK the share of agriculture in GDP is now below one percent. Participation of agricultural workers in the labor force is highest in Greece and Portugal, with shares in excess of 12 percent of the active population. Finland, Ireland and Spain each has above five percent of the labor force in agriculture. By contrast, the UK has only about one percent of its labor force in agricultural pursuits (Appendix Figure 1).

Productivity growth in Western Europe's agricultural sector compared favorably with that in the manufacturing sector in the immediate post-war period. Over the period 1949 to 1959, by which time the economy had largely recovered from the war-time disruptions, output per person in agriculture had increased by more than that in manufacturing in most of the countries in Western Europe (Appendix Figure 2). The productivity growth was a combination of output increases as a result of mechanization and modernization, and the outflow of labor as other sectors absorbed rural workers.

---

<sup>3</sup> Comparable figures for the US show a utilized agricultural area of 379 million hectares and 2.1 million farms, with an average size of 180 hectares.

<sup>4</sup> The agricultural sector in the US employs 0.7 percent of the civilian labor force and contributes 0.9 percent of GDP.

<sup>5</sup> The economy of Western Europe as a whole expanded by 2.7 percent over the period 1955 to 2004.

This productivity increase slowed somewhat in later decades, but remained a key component of the development of the sector and its role in post-war reconstruction. The strong farm productivity increase and accompanying farm labor force decrease is striking. (Appendix Figure 3 shows the period 1955 to 1970.) The decline in the share of agricultural workers in the labor force has continued to the present day. The number of full-time equivalent “annual work units” employed in agriculture in the EU-15, as calculated by EUROSTAT, fell from 8.6 million to 5.9 million between 1991 and 2004 alone (EUROSTAT 2006, Table 3.1.13).

Structural change has also been rapid in European agriculture. The rate of consolidation of farms has risen over the past five decades, but the average size of farm still varies widely among countries, with the UK and Denmark having the largest farms (57 and 55 hectares per farm, respectively) and Italy and Greece having the smallest farms (7 and 5 hectares respectively) (EUROSTAT 2006, Table 2.0.1.2).

The countries of Western Europe differ more in the importance of agriculture to international trade. In 2004, agricultural exports accounted for more than ten percent of total merchandise exports in three countries: Denmark (18.7 percent), Greece (19.9 percent) and Ireland (11.6 percent). By contrast, such exports only accounted for 2.5 percent of German exports, 3.0 percent of Swedish exports, 2.8 percent of Finnish exports and 4 percent of exports from the UK. Agricultural products traded by the EU-15 with other countries accounted for 6.1 percent of all imports and 6.0 percent of all exports. The EU-15 region ran a net deficit with respect to the rest of the world in foodstuffs and other agricultural products of 3.4 billion euro in 2004.

In Europe as elsewhere, agriculture has had to compete with non-farm sectors for labor and capital. The growth rates of the manufacturing and service sectors have therefore been major influences on the economic health of the farming sector. Agriculture has in general provided an outflow of labor, both directly as farmers and farmworkers become a part of the industrial workforce (either by migration or by devoting more of their time each year to non-agricultural employment) or indirectly, by offering a less attractive alternative to young people in rural areas. Though this process has been going on for decades, the post-war period has been remarkable in the magnitude of this exodus. Capital has proved somewhat less of a problem, as farmers have usually been able to raise capital in the financial markets, particularly through dedicated rural lenders, and through retained earnings. Though rates of

return have not been high, non-pecuniary satisfaction and a lingering feeling of security has kept up levels of rural investment.

The result has been a significant transformation and modernization throughout the continent in the sixty years since World War II. Agriculture in Western Europe still has pockets of traditional farming, particularly in the south, that have yet to be transformed. But in general the continent has a high level of technical expertise and a moderate farm size, giving it more of a chance to be internationally competitive in the second half than in the first half of the post-war period.

One major link between the agricultural and non-farm sectors has been through currencies. Strong export performance by the industrial sector tends to appreciate the exchange rate and reduces the domestic cost of commodities whose prices are set in international markets. So agriculture in the strong currency countries has tended to be under pressure from reduced price levels as a result of export success in the non-farm sector. For countries with weak currencies, exchange rate developments will tend to raise the price levels for imports and exports, so the agricultural sector faces less competition from abroad -- although governments may take action to lower domestic food prices. Thus the developments in foreign exchange markets are crucial factors in looking at the competitiveness of the agricultural sector in particular countries, and have played a significant role in policy developments in the EU.

### **Agricultural policy prior to the mid-1950s**

Western European agricultural policy reflects the economic and social conditions of rural areas as well as the political realities of the day. But many of these factors are deeply rooted in experience and history. Some of this experience is shared among the countries of Western Europe, but much is peculiar to the ways in which the countries concerned reacted to historical trends and events. Many of these events were a product of the broad economic and political developments in the nineteenth century, as the pattern of land ownership became established and transportation and education systems extended into rural areas. But policy influenced the reaction to these developments and led to significant disparities among neighboring countries.



In addition to these social and political conditions that governed such policy, two other factors recur as being pervasive in Western Europe: the colonial experience of the countries concerned, and the reaction of those countries to the industrial revolution.<sup>6</sup> The United Kingdom, with its extensive Empire from which it could import both tropical and temperate agricultural products, was in a good position to take advantage of the benefits of trade. As the leader in both the technological revolution in agriculture and the industrialization of manufacturing processes, a policy of low-priced food played to the strengths of the economy. By contrast, Germany (and the numerous small states that preceded the creation of the Federal state) had few overseas territories and lagged the UK in manufacturing technology. As a result, German agriculture remained a protected sector. Political ideas reinforced these differences. In the UK the “free trade” movement had won widespread following by promising better living conditions for the urban workforce. Landowners resisted but were losing ground to manufacturing interests. German intellectuals pushed for a different strategy, based on protection of “infant industries,” and large landowners found such a policy of developing behind tariff walls to be in line with their own interests. So, by the end of the nineteenth century, significant differences between the UK and Germany had emerged in the prevailing economic paradigm and the agricultural policies that supported it.

All of European agriculture was impacted by the growth of trade in temperate agricultural products from the New World in the 1870s, made possible by the opening up of new territory and by lower rail and ocean transport costs. The introduction of refrigeration began to make livestock products as well as grains profitable to transport from the Americas and Australasia. In the case of the UK, the high tariffs that had been embodied in the Corn Laws had already been repealed, in 1846. As a result, the political climate was such that manufacturing interests prevailed over agrarian pressures, and agriculture shrank in the face of overseas competition. But much of the cereals and meat came from colonies, and could be paid for in pounds sterling, so import substitution did not become a priority. In addition, the structure of farming in the UK was generally more able to withstand the low prices.<sup>7</sup> As a result, pressures for protection were perhaps less than in many other European countries.

---

<sup>6</sup> For a discussion of the different reactions of the Western European countries to the mid-nineteenth century period of relatively free trade, see Kindleberger (1975).

<sup>7</sup> The eighteenth century Enclosure Acts had given UK agriculture a farm structure that had allowed it to take advantage of the emerging technologies (mechanization) and farming practices of the period (Orwin 1949).

Other countries followed the lead of the UK and more or less reluctantly accepted the benefits of cheap grain from the New World. Denmark stands out as the country that embraced the new relative price structure most completely, and the Netherlands reacted in a similar way. Livestock farming received a boost from the lower feed costs, in particular the rearing of cereal-fed livestock such as pigs and chickens. In addition, Denmark had inherited an efficient farm structure from the early nineteenth century, and developed a cooperative system that fitted well into the livestock economy that flourished on the cheap grain of the 1890s.<sup>8</sup>

French agricultural markets had also been relatively open to trade in the middle of the nineteenth century, but protection increased sharply with the tariff of 1881 which imposed high duties on livestock imports (Tracy 1989, p. 20). The level of protection peaked with the Meline tariff of 1892, and remained high until the First World War. However, industrial tariffs were also increased over that time, modifying the distortive impact of agricultural protection.

German farming benefited significantly from higher protection in the last quarter of the nineteenth century. As livestock from America and grain from Russia threatened to depress domestic prices, tariffs were introduced in 1879, initially at a moderate level but they were increased over the next decade. Bismark himself was adamant that farm imports be controlled, and presided over a bitter trade dispute with America over the sanitary conditions under which US pork was produced for export to Germany (Snyder 1945). On his ouster in 1890, Germany briefly returned to more open agricultural trade, against the opposition of the Prussian landowners (Tracy 1989, p. 20). For the next twenty years liberal and protectionist economic paradigms clashed and different views on the desirability of industrialization kept the issue of agricultural policies to the political forefront.

These nineteenth century differences between the “adjusters” and the “protectors” remained through the first half of the twentieth century. The prime factors that played a role in the development of agriculture in that period included the economic impact of the First World War and the Great Depression.

The UK attempted to expand production after the First World War by granting farmers subsidies to supplement their market earnings. These deficiency payments, introduced in 1917, were accompanied by a liberal import regime for farm products (except

---

<sup>8</sup> Output per hectare in Denmark more than doubled between 1880 and 1930, whereas the same measure stayed steady in the UK (Ingersent and Rayner 1999, p. 10). Agriculture accounted for 45 percent of Danish GDP in 1880.

sugar). An attempt to introduce price guarantees in 1920 was repealed the next year (Tracy 1964, p. 149). Protection did emerge in the 1930s, as a result of depressed world prices, but the effect was mitigated by Imperial Preferences that allowed agricultural products in from the Dominions (Australia, Canada, New Zealand and South Africa) and the colonies. Domestic marketing became the focus of farm policy, and was institutionalized through the introduction of Marketing Boards in 1931, several of which remained in place until the 1970s.

French agriculture had been badly damaged by the First World War, with both infrastructure and productive capacity destroyed (Tracy 1964, p.273). It did not get much assistance from trade protection in the 1920s, as protection in the non-farm sector was higher than that in agriculture (Tracy 1964, p. 171). However, the reaction to the Depression was to introduce quotas on imports and to intervene in the domestic market. State marketing became established through such institutions as Office National Interprofessionnel du Blé, founded in 1936.

Germany instituted a Ministry of Agriculture in the wake of the war, and the Weimar Republic attempted to take over responsibility for agricultural policy from the states. Rapid industrialization, however, reduced the significance of the farming sector, and low prices in the Depression took their toll on farm incomes (Roesener 2000, p. 13).<sup>9</sup> The Third Reich attempted to capitalize on the decline of agriculture by promising state protection and higher social standing for the rural population. They introduced policies designed to promote self-sufficiency and to increase the control of the state over marketing and trade. Production, however, did not reach planned targets, and at the outbreak of war in 1939 the level of farm output was no higher than in 1935. Labor shortages and the need to keep urban prices down had undermined the National Socialist Party's attempt to return Germany to its rural past.

Denmark remained neutral in the First World War, and expanded its sales to both the UK and to Germany in the post-war period (Tracy 1989, p. 205), despite the increase in German tariffs in 1925. The Depression, however, hit Danish livestock production by 1931. Efforts to improve trade relations with the UK (so as to offset the preferences granted to competitors such as New Zealand) and with Germany were partly successful, but Denmark eventually had to compromise on its traditional liberal trade policy and introduce tariffs on grain. Later in the decade it began subsidizing producers of livestock products and restricting production by means of marketing quotas. Eventually, in 1938, grain imports were

---

<sup>9</sup> Rural incomes in Germany declined by almost 40 percent between 1929 and 1932.

discouraged by compulsory mixing requirements for millers. Along with the Netherlands, the Danish agricultural experiment of trading at world prices appeared to be at an end.

The influence of these political and economic trends in the early twentieth century were disrupted by the impact of the Second World War on Western European agriculture. To an extent probably not experienced in any other region, the Second World War had a significant impact on the agricultural sector. Not only did the war itself cause havoc with infrastructure and destroy productive land, but the sector was drawn in to the war effort to provide food and industrial raw materials.

The UK, with its vulnerability to blockades of imports, began to mobilize the civilian population to grow more food. In the post-war period, production rebounded rapidly to its pre-Depression levels, assisted by the introduction of guaranteed prices in the 1947 Agriculture Act. The need for additional domestic production was premised in part on the chronic shortage of foreign exchange in the early post-war period, as exports failed to finance the imports needed for reconstruction and to service the debt that had been accumulated in the war. Devaluation of the Pound Sterling, being a global currency, was rejected as an option. So successive governments pursued a policy of high domestic prices as a way of saving on imports.

Occupied France, under the Vichy Regime, attempted to restore the country's agricultural destiny.<sup>10</sup> However, the devastation of the infrastructure delayed the restoration of the sector in the immediate post war period. France began a period of national planning, which included goals for the agricultural sector. The first Agricultural Plan (1948-52) called for an expansion of exports, the Second Plan (1954-57) established a fund for market intervention. As economic integration became a reality, the opening up of markets in Europe to French farm products became an important goal. The salvation of rural France was to be in exporting products to the industrial heartland of Europe, assisted by some protection against overseas suppliers.

German agriculture maintained production levels through most of the war but food shortages emerged in 1944. By the end of the war, nutritional deprivation was an acute problem and the relief of hunger became an international issue. Wartime controls over trade were maintained and the new government in West Germany (established in 1949) encouraged domestic production by price incentives linked to their production costs, with little regard to competitiveness. By the time that the agricultural sector had to face the prospects of opening

---

<sup>10</sup> Marshall Petain in particular had a vision of the agricultural destiny of France, reviving the notion of agricultural protection that had been promoted by Meline in the nineteenth century.

their markets to French and Dutch farm products, the predominance of inefficient small-scale German farms became a major political “hot potato”.

### **Policy distortions 1955 to 2004: a chronology**

The current map of agricultural protection was drawn in the early post-war period, as the countries of Western Europe struggled to rebuild their economies and restore commercial and political relationships. The defining moment in the development of Western European agricultural policy was undoubtedly the formation of the European Economic Community (EEC) in 1957. No discussion or analysis of the distortions caused by agricultural policy in Western Europe can avoid a detailed examination of the development of the Common Agricultural Policy and of the process of enlargement of the EEC from the original six countries (Belgium, France, West Germany, Italy, Luxembourg and the Netherlands) to the fifteen that were members of the European Union (EU) in 2004.<sup>11</sup> The stages in the enlargement of the EEC/EU provide the backdrop to any timeline of the description and tabulation of the changing pattern of direct and indirect distortions to farm incentives. Not only did each enlargement cause an examination of the EEC/EU policy towards agriculture, but it changed the reach of that policy by including more farms under its umbrella. Thus the nature and magnitude of the incentives faced by domestic producers and consumers of primary agricultural and processed food products in Western Europe changed as much by the wider adoption of the CAP as through more traditional agricultural policy processes.

The other side of this coin is that the number of countries that remained outside the EU has steadily declined.<sup>12</sup> Three of these Western European countries, Norway, Iceland and Switzerland, have stayed outside the EU and their agricultural policy choices are still autonomous despite them being members since 1960 of the European Free Trade Association (EFTA). So even though EFTA members have a declining share of total agriculture in Western Europe, their decisions on policy are of particular interest. It would be too simplistic to say that they represent the “control group” in the experiment of designing and

---

<sup>11</sup> The enlargement to include ten new members in May 2004 is discussed in the context of its influence on policy later in this chapter, and the implications for the new members themselves are dealt with in detail in Anderson and Swinnen (2008).

<sup>12</sup> The abbreviation EU will sometimes be used even for the period before the transformation of the European Economic Community into the European Community and later into the European Union.

implementing a common policy for agriculture, but some lessons can still be learned from those that remain outside the EU.

In this section, the distortions from 1955 to 2004 are discussed in the context of each of the five decades, to make easier comparisons with other regions and events. The discussion relates this timeline to the evolution of the EU as it expanded membership and of the CAP as the dominant vehicle of support for Western European agriculture. Emphasis is placed on the levels of support and key policy prices in the prospective members relative to that of the EU as a whole. As each new group of countries gained access to the EU, so the geographical reach of the CAP changed. In turn, the CAP became the focus of much of the external pressure that faced the EU as it grew in significance in world trade. But the macroeconomic conditions, including inflation, exchange rate changes and non-farm growth in Western Europe were a vital backdrop to the agricultural policy decisions, and need to be considered in parallel with the more specifically agricultural aspects of the development of the CAP.<sup>13</sup>

### ***1955 to 1964: agriculture in a period of rapid economic growth***

The period of post-war reconstruction was followed by a rapid expansion of economic activity throughout the 1950s and into the 1960s. This was the period of the German and Italian “miracles”, as both these economies grew at rates far above those of the UK and France. In turn, this growth provided the demand for consumer goods that allowed neighboring countries to expand their own economies. Trade within the newly-created European Economic Community expanded rapidly as trade barriers in manufactured goods were removed over the period 1957-64.

The formation of the EEC in 1957 set the scene for the integration of Western European agricultural markets.<sup>14</sup> For this to happen, agricultural trade had to be included in the move toward the free flow of goods among the original six countries.<sup>15</sup> This was finally agreed, but such an agreement on free internal trade was only possible by erecting a protective border around the EEC to shelter agriculture from foreign competition. The development of a Common Agricultural Policy (CAP) was therefore the result of a

---

<sup>13</sup> See Josling (2007) for a fuller discussion on “external” influences on CAP reform.

<sup>14</sup> The original six countries were Belgium, France, Germany, Italy, Luxembourg and the Netherlands. In economic terms, Belgium, Luxembourg and the Netherlands had already agreed to an economic union (the BENELUX Union) in 1948, and so were on the road to becoming a single unit.

<sup>15</sup> The inclusion of agriculture in the free movement of goods within the EEC was at the insistence of the Dutch, who had struggled with the same issue in the formation of the BENELUX Union.

compromise between those who wanted to see agriculture a full part of the free internal market and those that preferred a more interventionist system. A common market organization (CMO) was developed for each of the main commodities. Administered prices were related to a “target” price level for each commodity. Imports were only allowed in at “threshold” price, calculated on the basis of the target price and transport costs. A “variable levy” was charged on the basis of the gap between offer prices on the world prices and the threshold price. Excess production could be taken off the market by national agencies at “intervention” prices, again fixed relative to the target price.<sup>16</sup> Prices were to be set each year by the Council of Ministers on the proposal from the European Commission.

The period 1955-64 was one of policy initiatives for agricultural integration as well as the restoration of trade flows across the Continent. National farm prices differed considerably across the six countries of the EEC and between those countries and those that had chosen not to join in the integration experiment. Hence the path toward more integrated internal markets for agricultural goods proved rocky. Different farm structures, commodity balances and historical protection levels provided a minefield for those advocating a free internal agricultural market and common prices. But eventually, in 1962, common rules for agricultural markets were agreed. A transition period was instituted ending in 1967, when all prices were supposed to have been harmonized.

A look at selected Western European countries will illustrate the wide differences in circumstance over this period, and illustrate the difficulties of achieving a common policy. West Germany, at its creation in 1949, found itself with a structure of small farms because the most productive and largest farms were now in East Germany. Meanwhile German industry was being encouraged to expand into other markets in the region and overseas, and its success added to the strains on agriculture. Tight controls over imports of cereals and the use of marketing boards to regulate the domestic market kept agricultural prices high and production was encouraged from every small farm. The choice of a common price for wheat (and other grains) in 1961 was a major political issue in Germany: soft wheat prices were about \$110 per ton at that time, a level only matched by Italy of the six EEC members.<sup>17</sup> In the end the German government resisted calls for the common price to be set at a lower level, and thus set the stage for the development of surplus production in the EEC within the decade.

---

<sup>16</sup> This terminology is the one that was used for the cereal market regime: some differences in instruments and nomenclature were introduced in the other commodity market organizations.

<sup>17</sup> The world price over this period was about \$60 per ton.

France had a better farm size in the Paris Basin, but was hampered by the remnants of feudal strip farming in Normandy and Brittany and low productivity in the Massif Central and the Midi. Cereal farming in particular had recovered from the wartime disruption and by the 1960s had surpluses to send to the deficit areas of Europe such as Germany. Soft wheat prices averaged only \$81 per ton at the start of the transition period, and thus had to move sharply up to reach the agreed price levels in the young CAP.

The Netherlands shared with Denmark an efficient farming structure based on milk and poultry and eggs. It had already made roads into the German market, and looked for continued market access. The fact that Denmark stayed out of the EEC, preferring to hang on to the British market, gave Dutch farmers a welcome degree of preference. The Netherlands (and Belgium) had a soft wheat price level in the early 1960s somewhat between the high German price and the low French price, and so experienced some significant increases in the cost of animal feed in the movement to common prices.

Italy shared with Germany some significant structural problems, with small farms dominating the southern part of the country and relatively high cost cereal production in the center and the north of Italy. However, expansion of the livestock sector in the north, based on imported grains, linked its interests with that of the Netherlands. In fact, in the move to common prices, Italy was allowed to maintain imports of feedstuffs at a lower tariff than the northerly countries.

The Western Europe agricultural market was in effect split by the decision to push for a Common Agricultural Policy (CAP) for the six members of the EEC. The UK chose to stay outside the EEC, concerned about the element of “supra-nationality” introduced in the Treaty of Rome. The CAP was therefore negotiated in a setting without the major Western European food import market. In any case, the EEC was not entirely agreed over the prospect of the UK joining.<sup>18</sup> The UK had its own troubles, with macroeconomic imbalances proving difficult to control. The balance of payments was chronically in deficit, and remained a problem until the devaluation of 1967. The 1957 Agriculture Act had introduced deficiency payments as a way of maintaining high producer prices whilst keeping consumer prices close to world market levels. As much of the imported food came from former colonies, this trade was an important aspect of foreign policy. The significance of this influenced the attitude towards the

---

<sup>18</sup> The “Non” from de Gaulle in 1963 that ended the first set of talks about UK accession reflected a fear that the nature of the EEC, and in particular the CAP, would be compromised by the admission of a country that boasted of its “special relationship” with Washington. The UK was widely seen as a “Trojan Horse” for US policy interests, and accession a sure recipe for continued pressure on the CAP.



formation of the EEC, and was one of the reasons that the UK chose not to join. But, in an attempt to show leadership among the countries that chose not to participate in the EEC, the UK sponsored the European Free Trade Association (EFTA) in 1960. Seven countries signed up to this “integration-lite” experiment, which differed from the EEC both in terms of its lack of a common tariff and supranational institutions and because it excluded agricultural (and fisheries) trade from its provisions.

The concerns of the UK with the prospect of having to phase out preferential access from Dominions and former colonies, as well as the recurrent balance of payments problems and the fear of food price led inflation, led to significant debate on the costs of agricultural protection. Sparked off by a paper by Nash (1955), there were several attempts to calculate the value of British farm output at “world” prices and compare the result with actual farm values. Nash and Attwood (1961) repeated the same calculation later using Danish prices, where distortions were noticeably less, to value British production. McCrone (1962) elaborated these studies into a comparison of 13 countries in 1955-56. Howarth (1971) followed the same method and added an estimate for 1966. According to Howarth’s estimates, agricultural protection levels increased markedly from 1956 to 1966, at a time when trade in non-agricultural goods was being liberalized.<sup>19</sup>

More evidence of the increase in protection was found in a study by Anderson and Hayami (1986). The level of protection (as measured by the Nominal Protection Coefficient) was calculated for eight Western European countries in the period 1955-1980. Switzerland stood out as having the highest level of protection, though this did not increase over the first decade of the period, 1955 to 1965. By contrast, estimated protection did increase in Italy, Sweden, Germany, and the Netherlands over this decade. In France and the UK, protection actually decreased in the decade up to 1965.

The estimates made for the present study broadly confirm the conclusions of the Howarth and the Anderson/Hayami studies.<sup>20</sup> Figure 1(a) shows the Nominal Rate of Assistance (NRA, the percentage by which a product’s domestic price exceeds the price at a country’s border), including non-product-specific support and aggregated over all commodities, for four of the original six members of the EEC.<sup>21</sup> At the time when the Treaty

---

<sup>19</sup> The UK appeared to be an exception to this trend, though Howarth’s price support measures did not reflect the full range of input subsidies that were introduced over those years.

<sup>20</sup> The present study has a broader product coverage than the earlier attempts to measure protection.

<sup>21</sup> Independent data for the other two much-smaller members, Belgium and Luxembourg, are not included in this study. It is likely that the distortions are similar in those two countries, as they have been in an economic union since 1922 (to which Luxembourg contributes just 4 percent of the union’s population of less than 11 million).

of Rome was being discussed, assistance levels were modest (by later standards) and not too widely dispersed.<sup>22</sup> The CAP was “launched” in 1962, with prices that reflected political compromise rather than economic foresight, and by the time the common price regime was in place European agriculture was operating on a price plateau for the major products that was well above world market levels.

The corresponding calculations of the Nominal Rate of Assistance for the EFTA countries (those that chose the path of less institutional integration and no free trade in agriculture) are shown in Figure 1(b). Austria, Denmark and the UK had NRA levels in the same range as in the EEC. Portugal was in effect taxing its agricultural sector by holding down prices below their full market value - a stance that reflected both its own political structure and its level of development.<sup>23</sup> Sweden increased its assistance to agriculture over the decade, and gave incentives to its agricultural sector to an even greater extent than the countries that formed the EEC. But the countries with the highest level of support by far were Norway and Switzerland, where domestic prices were around twice as high as in other EFTA countries.<sup>24</sup>

The pattern for these countries is what one would expect from their experience in the pre-war period. The UK, the Netherlands and Denmark had lower levels of protection, reflecting their history of imports of grains, and France emerges in that decade as an exporting country that has lower production costs and less opportunities for protection at the border. Indeed, one of the main attractions for France of the EU was to be able to sell French products abroad without having to bear the costs of subsidies. Switzerland, Norway, Sweden and Germany have higher levels of protection, as one might expect from predominantly importing countries attempting to generate acceptable incomes for farmers. The countries that made up the EEC increased their protection on average over the decade from 1956-64, explaining in large part the chorus of complaints from overseas suppliers about the protectionist nature of the emerging CAP.<sup>25</sup>

---

<sup>22</sup> Italy, however, had low rates of assistance through the 1950s.

<sup>23</sup> Portugal was one of the countries studied in the study led by Kreuger, Schiff and Valdes (1988). Its income level was below that of Brazil at the time, and the country had many of the features common to developing countries.

<sup>24</sup> Price data for Switzerland and Norway for some products were not available prior to the latter 1970s so the NRAs for them were assumed to be similar to the earliest years for which data are available. Hence the lesser degree of fluctuation in their lines in Figures 2(b) and 3(b).

<sup>25</sup> The Kennedy Round of GATT talks (1963-68) took place over this time, and the main focus of the exporting countries was to constrain the protectionist tendencies of the CAP. In this they were largely unsuccessful.

If the UK stayed out of the EEC in part because agricultural protection was higher in the Six, the same could not be said of all the other EFTA members.<sup>26</sup> Protection levels in Norway and Sweden were high, as they were in Finland, which joined EFTA in 1965 (Gulbrandsen and Lindbeck 1973). In fact, in these countries the prospect of joining the EEC was seen as a threat to their agricultural sectors as they would have had to reduce prices and face competition from the grains of France and the livestock products of the Netherlands. Only Denmark looked favorably on the prospect of expanding its sales to the EEC countries, but chose to stay with the UK as its traditional market for farm products.

One other country that was among the “charter members” of EFTA, reflecting its historic trade ties (with the UK) was Portugal. The country had been under a dictatorship since 1928, when the military suspended democratic processes. The economy had been run on a corporatist model with strong central control. The African colonies had provided an income and Brazil had remained a source of capital and a link with Latin America. But Portugal was outside the mainstream of Western Europe and remained a relative backwater until the return of democracy in 1974 (Avillez, Finan and Josling 1988, Corkhill 1995).

Spain also had been shunned by many European governments and was also hampered by a rigid corporatist economic policy. Innovation and social mobility were discouraged and central and southern landed interests dominated political life well into the 1960s. The Franco regime controlled wages, prices, and trade, and large state corporations were preferred over smaller urban enterprises. Spain had been excluded from the Marshall Plan in 1948, and it was not until 1958 that agricultural output regained the level of 1929, before the Civil War. But farm structure was better in that country than in many parts of Western Europe, and by the 1970s investment in fruit and vegetable production had begun to increase production. The transition to democracy in 1975 gave hope that accession to the EU was possible, though economic growth stalled for much of the period from the death of Franco to the accession to the EU (Lieberman 1995). For both Spain and Portugal, the oil price increases of 1973 and 1975 were a major shock to their economies.

Iceland in the period up to 1965 was predominantly an agricultural and fisheries economy, with meagre amounts of arable land and extensive imports of cereals. Dairy and

---

<sup>26</sup> The major political reason for the decision of Sweden and Norway not to join the EEC was the requirement for neutrality that each had enshrined in their constitution. Finland was even more constrained, as it bordered on the Soviet Union, and was accordingly inhibited in foreign policy initiatives. Likewise, Austria was also constrained by the post-war treaties, and Switzerland by its determination not to join alliances or even multilateral organizations. Ireland stayed out both to keep in step with the UK, its major market, but also to retain its neutrality. Ireland did not join EFTA in spite of the links with the UK, but it did retain some preferences into that market.

sheep production was able to supply domestic needs and provide exports of wool and meat. An Agricultural Development Plan for 1951-60 had tried to increase farm size (to ensure that every farm had at least ten hectares) but had not had complete success (OECD 1966). A 1960 Law instituted fixed wholesale and retail prices for major food items and offered export subsidies to dispose of surpluses. Consumer subsidies were also used in this period. However, public investment in agriculture decreased under the 1963-66 Plan as the burden of supporting high cost production became apparent.

Greece in the 1950s was still a largely agricultural country, with important exports of cotton and tobacco. Most temperate zone foods were imported, and domestic production was hampered by low productivity and a fragmented farm structure, in part as a result of pre-war land reform. Association with the EEC in 1961 promised to expand exports, and the government began to increase incentives for producers and to fix minimum prices for domestic output (OECD 1966, p. 283). But this program was carried out in the context of an economic strategy that gave predominance to the manufacturing sector as the engine of growth (Pepelasis et al. 1980, p. 53).

### ***1965 to 1974: agriculture in a period of macroeconomic instability***

The price levels that had been set under the CAP were at the high end of the range of existing prices in the members states, and strong upward convergence was evident over the period from 1962 to 1967. Price differences within the EEC reflected the gradient of prices from surplus to deficit areas, though this was modified by setting intervention prices in the surplus areas that did not always reflect transport costs. Achievement of a single support price in 1967, set in “units of account” with a value equal to the US dollar, was a major political success, but the uniformity of the Common Agricultural Policy was short-lived. Currency instability was to undermine the realization of an open internal market for agricultural products and a common price support scheme.

The devaluation of the Pound Sterling in 1967 heralded a period of financial instability in Europe. The revaluation of the German DMark in 1968 and the devaluation of the French Franc the same year caused havoc in the operation of the CAP, and led to the introduction of artificial “green” exchange rates for the conversion of administered prices decided in Brussels by the Council of Ministers into local currencies (Josling 1970, Josling and Harris 1976). The currency changes in 1968 also exposed the problems of administering

regional price differentials. Grain from France had flooded Germany earlier in the year to be taken into intervention, as a form of arbitrage (the relative intervention prices were different from the relative values of the DMark and the Franc on money markets), causing serious storage problems. When the currency changes took place, compensation for what would have been price declines in Germany was granted by some *ad hoc* tax relief for German farmers, and a system of border taxes and subsidies was introduced to offset the exchange rate changes. This was generalized to other members by the device of converting common prices through “green rates” which lagged the developments in the market rates. The border tax/subsidy regime was known as Monetary Compensatory Amounts (MCAs) and were charged or paid at the internal borders and on international trade. The effect was to undermine the central concept of free trade within the EEC, to challenge the notion of common price levels, and in essence give some control over price policy back to the member states (Heidhues et al. 1978).

The level of protection in the UK had remained low over the last half of the 1960s, relative to that of the major European countries (FAO 1973). Nevertheless the debate heated up over the desirability of expansion of UK agriculture to help with the balance of payments. The 1967 devaluation had helped to correct a misalignment of the exchange rate, but inflation reduced the competitive advantage of British exports. Agriculture was caught up in a wave of “Buy British” sentiment in the late 1960s, and price supports were increased in the Annual Price Reviews. The debate on “import saving” exposed the economic costs of agricultural protection and led to a re-evaluation of the role of the relatively small agricultural sector in the UK economy. The government moved to stabilize the costs of the “deficiency payment” program employed since 1947 by negotiating “minimum import prices” for cereals with exporting countries. Later, the policy of allowing relatively free import access was replaced by a system of variable levies, to generate some revenue from imports. But it was the prospect of entry into the EEC that dominated the agricultural policy debate in the UK in the late 1960s.

The first enlargement of the EU took place in 1973, when the UK, Denmark and Ireland joined the Community. The CAP had proved a major problem for the negotiations. On the one hand the UK was under pressure to accept the CAP as part of the “*acquis communautaire*”, the accumulated regulations and directives of the existing Community, and the enlargement process was supposed to focus merely on changing the language of regulations so as to reflect the new membership. Any change in the policy itself would have

to be deferred until the newcomers were inside the tent. But at the political level, the UK was determined to protect as far as possible the preferential access of its former Dominions and colonies, though this clearly was unacceptable to the European suppliers for whom the prospect of free access to the UK, a large importer, was attractive. The compromise was to negotiate some assurances for traditional suppliers (New Zealand for specific quantities of meat and dairy goods, for example) and to incorporate the UK ex-colonies into the arrangements that had already been set up for those of France, Holland and Belgium.

The negotiations with Ireland and Denmark were of a different nature. For those two countries, traditional exporters of livestock products to the UK, diversifying to the Continental market, was a welcome prospect. The higher farm support prices in the EEC were not a major hurdle, and tilted the balance of economic advantage in favor of accession. Norway also participated in the negotiations, and an agreement was reached among the governments. But the question of Norwegian accession was put to a popular vote, and the referendum allowed the concerns of Norwegian farmers and fishermen to be fully vented. The vote went against membership, and the government withdrew from the tentative accession agreement.

The internal debates about accession to the EU have often been focused on the impact of price changes, particularly for farmers and consumers. (Appendix Figure 4 shows the relative prices for wheat and for beef, in the three new members and the EEC, over the period from 1956-1972.) EU prices for most farm products had been considerably higher during the 1960s than in the applicant countries (except Norway). But the aspiring members had agricultural support systems that were more in touch with the conditions on world markets. So the high world prices in 1973-75 for many commodities masked the full impact of the price increases expected from accession. As a result, the additional distortions due to the CAP were relatively small over the first two years of the EC-9.

The countries that remained in EFTA made hurried arrangements to preserve at least some of their access into the UK and Denmark. A series of bilaterals was implemented shortly after the enlargement. However, these agreements did not cover agricultural products (as they had been excluded from EFTA trade liberalization). In the case of Portugal, some concessions were agreed: in 1972, a trade agreement was signed between the EC and Portugal to allow for continued access into the EC for Portuguese exports. But the domestic farm policies of Sweden, Switzerland and Norway, along with Finland and Austria, continued to be determined largely on a national basis.

These developments in rates of assistance are shown in Figure 2. The NRA for the EU-6 (and the Western Europe average, heavily weighted by the EU countries) hovered a little below 80 percent over the decade 1965-1974, plunging at the end of that period as world prices rose in 1973-74.<sup>27</sup> The entry of the three new members did not cause this drop, even though it brought some new constraints to the development of the CAP. Meanwhile the EFTA countries that chose to stay outside continued with their own policy trajectories (Figure 2(b)). Switzerland and Norway kept domestic prices at more than twice the level of those on world markets, while Portugal continued to tax its farmers whatever the price levels on world markets. Rates of assistance to farmers in Sweden, Finland and Austria were reduced somewhat in the early years of the 1970s as the high world prices substituted for some of the protection given by policy interventions.

### ***1975 to 1984: agriculture out of control***

The macroeconomic instability that followed the first “oil shock” of October 1973 had a significant impact on the level of policy prices set under the CAP. Farm input costs rose sharply and the real value of price supports declined. Politicians responded by increasing prices sharply to keep up with costs. In addition, the fear of worldwide food shortages made price restraint less attractive as a political argument. As a result, those that had been arguing for moderation in price increases had a harder row to hoe. When commodity prices declined, the EU was left seriously un-competitive in many temperate zone products.

The UK was now a member of the EU and was expected to assert a moderating influence on agricultural policy. Indeed much of the opposition to UK accession from countries such as France was that the UK would come in with its tradition of low market prices and high payments from the exchequer and demand the same approach in the CAP. But these fears proved unfounded. The UK found a convenient way of keeping its own prices down through the medium of the “green money” system mentioned above, and turned its attention to limiting the budget cost of membership through a budget “rebate”.

The impact on agricultural distortions of the first enlargement was therefore somewhat mixed. Protection levels went up in the UK and in Denmark and Ireland. But as a result of the transition arrangements, the UK was able for a time to avoid the impact of high

---

<sup>27</sup> It may seem that the measure of assistance used in this study is unduly influenced by world price movements. But the NRA indicates the distortions at any particular level of world prices: if world prices change then so do the distortions caused by policy. This phenomenon appeared again during the world food price hike of 2005-08.

EU prices. The accession period negotiated for the UK (seven years) called for import subsidies paid by the EC on farm products entering the UK. Coupled with the subsidies to offset the depreciation of the pound in the mid-1970s, the price of food rose by less than had been feared at the time of the Entry Debate. Denmark and Ireland made good use of their expanded opportunities for livestock exports, selling to the Continent as well as to the UK.

The green money system continued to add to the level of internal distortion in the late 1970s. In February 1979 a “common price” of 100 ECU by the Council of Ministers would have translated into the equivalent of 110.8 ECU in Germany and 71.8 ECU in the UK. Thus support prices were maintained in Germany at a level of 54 percent higher than that in the UK. Only Denmark eschewed the political convenience of masking exchange rates by the use of fictional green rates. The system was to linger on for another decade until modified by the single market of 1992 and then eliminated by the single currency from 1999.

The “outsiders” had the liberty of being able to run their agricultural policy without the need to comply with the CAP. EFTA had no direct impact on agriculture over this period. Switzerland maintained high prices in the late 1970s, with a support price for wheat of \$398 per tonne, compared to \$200 in Germany and \$190 in the UK (Hallett 1981, p. 343, based on numbers from the International Wheat Council). So any form of opening up of trade in grains between the EEC and Switzerland would have been difficult to envisage.

Norway, having chosen not to join the EEC in 1973, was able to pursue an autonomous policy, based on the perceived need to keep population in the northern areas of the country. Protection levels were almost as high as Switzerland, though Sweden resisted the temptation to farm the cold northern regions as a matter of national security. Finnish experience fell somewhere in between that of its Scandinavian neighbors. Though it had an extensive area of high cost agriculture in the northern parts of the country, rural interests were not able to maintain such high levels of protection against imports as were granted in Norway.

The EC did welcome one new member over this period. Greece, for long an Associate member, was welcomed into full membership in 1981, after political freedoms were reestablished. In agricultural terms, Greece posed no problems with respect to the temperate zone products, as it was likely to increase its imports of them from the EU as its own protection was withdrawn. But exports of Greek fruits and olives posed a problem for the EU, and southern members argued (successfully) for extensive transition periods before opening



up to Greek competition. This set up the scene for similar arrangements when Spain and Portugal followed Greece in to the EU five years later.

The situation was somewhat different in Spain and Portugal, as neither had negotiated associate membership status in the 1960s. Both countries had moved from dictatorships to democracy in the mid-1970s, but their agricultural policy was still focused on domestic concerns, including structural issues. In Portugal, following the 1974 Revolution, land reform became a major preoccupation. The breakup of the large farms caused a significant drop in output of grains, and a succession of droughts made matters worse. Prices were increased in an attempt to generate adequate income for the new class of small farmers generated by land reform and rose above those in Spain and the EU (Appendix Figure 5). Dairy production was encouraged in the north and in the Azores. Processing tomatoes had become a significant export industry in the 1960s, but other Mediterranean products were less advanced (Avilez, Finan and Josling 1991). By the mid-1980s, Portugal was not in a position to compete in Europe, or in its own market with European produce, and needed a significant transition period to develop the institutional capacity to administer the CAP.

In Spain, the period before accession also was one of economic stress and relative stagnation. Cereal and livestock production lagged behind that of the rest of the continent, and marketing systems required modernization. Imports of feed grains and oilseeds, mostly from the US, faced little in the way of trade barriers. Prices for other commodities did not differ greatly from those in the rest of Europe: wheat prices in Spain had been similar to those in the EU since the early 1970s (Appendix Figure 5). But investment in the fruit and vegetable sector had accelerated and both wine and olive production was undergoing structural change. As a result, the prospect of substantial exports of these products loomed over the accession negotiations. The issue of the entry of Spanish farm products into the EC took on a political significance particularly in Italy and France, as well as in North Africa.

The changes in the level of assistance in Western Europe over the period 1975-84 reflects these developments (Figure 3). The EU-9 had NRA levels that increased steadily over the decade, as a result of cost-based price decisions in a situation of inflation and lack of effective budget constraints. From a level of about 40 percent in 1975 the NRA increased to above 80 percent by 1983. Overall support levels were very low for the applicant countries of Southern Europe, leading to political tensions over the adoption of the CAP by these countries. A transition period was needed both to cushion domestic consumers and to grant the producers in the EU-9 time to gear up for competition from Spain and Portugal. Of the

EFTA countries, Switzerland, Norway and Iceland continued to give high support to farmers, while Sweden, Finland and Austria assisted their farmers at similar rates to those in the EU.

***1985 to 1994: agriculture as an international concern***

By the mid-1980s, the issue of domestic agricultural policy in Western Europe had become a central topic of concern in the multilateral trade system. The twin reasons were the high levels of border protection that had been retained to give a broad umbrella of protection against overseas competition under which the market orders could continue, and the increasing surpluses of cereals, meat, dairy products and sugar, all of which other OECD countries produced for export. As a result the CAP came under criticism abroad as a major cause of low world prices and at home for high support costs and (at least in the UK) for high consumer prices (Tyers and Anderson 1992).

In 1984 the GATT began to discuss and the OECD to measure the extent of the distortions generated by domestic policy and by border instruments. The consensus was that for several markets the impact of domestic policies spilled over to the world market in a way that caused a reaction by other countries, either to subsidize exports or to add protection against imports. So a common solution seemed to be the answer. If all domestic policies could be brought under control, and if the nature of border measures could be disciplined, then the situation would be ameliorated. But the CAP was singled out as the policy that needed to change the most, and so the policy was firmly on the international agenda. Attempts to argue that US support per farmer was significantly greater than in the EU (as a result of larger farm size) garnered little sympathy. So long as the focus was on the impact on world markets, rather than the impact on domestic incomes, then the CAP was on the hot seat. Hence, the attitude of the EU in the Uruguay Round was largely defensive, and the CAP was eventually forced to adjust its own policies in 1992, with the adoption of the MacSharry reforms. This allowed the EU to agree to the negotiated strictures of the Uruguay Round Agreement on Agriculture on export subsidies and domestic support payments.

The 1992 CAP reforms marked a change in instrumentalities as well as price levels. In compensation for a price drop, farmers received a direct payment based on their historical hectareage under cereals and oilseeds and a regional yield. Headage payments were also introduced for beef and sheep. The milk and sugar regimes were not included in this reform. The lower price for cereal-based animal feed led to an increase in the use of barley, wheat

and corn, and helped to reduce cereal stocks. The incentive to produce was also reduced, as marginal output increases were effectively sold at lower prices.<sup>28</sup>

The adoption of the CAP by the Southern countries (Portugal and Spain joined in 1986) posed few problems for the major crops and livestock product markets, and did not raise the level of distortion overall. The main impact was on the Mediterranean products, particularly olive oil, wine, citrus and tobacco. Here the stimulus was in the direction of increasing the pressure on markets and hence the need to review policy.

The period up to 1994 saw some changes with respect to the position of the EFTA countries. They had been offered, and negotiated, an industrial free trade area (the European Economic Area, or EEA) with the EU. The EEA allowed free trade in manufactured goods and cooperation in regulatory issues: in effect it extended the previous bilaterals to include several aspects of trade that had been incorporated in the EU's 1992 Single Market. Though some quotas on agricultural goods were expanded, there was no progress toward the incorporation of the rural sector in economic integration such as would be stimulated by EU enlargement. The EFTA countries still did not have a say in EU decisions, and thus were unable to influence regulations that would apply to them. The political stance of neutrality that had prevented several EFTA countries from having too close a tie with the EU countries became of less importance with the end of the Cold War. So, before the ink was dry on the EEA, Sweden made the decision to apply for full membership, and three other EFTA countries followed suit.

The path toward EU accession was attractive to many countries of Western Europe, but some had more difficulty making the journey. Norway, once again, chose to stay out. Switzerland also found that membership was problematic, and even membership of the EEA was rejected in a referendum, particularly by the rural German-speaking Swiss cantons. The problems of farming in Finland in remote areas, and that of preserving the Austrian countryside, made the negotiations more complex. A subsidy system, in part paid by the new entrants themselves, was implemented to allow marginal farms in disadvantaged areas to continue in business.

Sweden faced a different dilemma: that it would have to reverse an agricultural policy reform that was generally in the direction that the EU wished to go. Sweden had maintained a policy much like the other Nordic countries until the late 1980s. Suffering from overproduction, Sweden tried voluntary milk quotas and cereal set-asides to no avail. In June

---

<sup>28</sup> Livestock protection was changed only incidentally, as tariffs and levies on pigs, poultry and eggs had been tied to the levies on cereals.

1990 the Parliament passed a bill that dramatically altered Swedish farm and food policy, abolishing agricultural support and export refunds. Direct payments in compensation were paid, and an early retirement scheme for farmers was introduced. The export subsidies were reinstated when Sweden joined the EU, and prices rose somewhat as a result.

One impact of accession can be gauged by comparing the cereal prices in the acceding countries and the EU (see Appendix Figure 6 for the period 1986-1994). Finland in particular had to reduce price levels, and had to set the burden on the farm sector against the apparent benefits that the Finnish manufacturing sector would receive from better access to the rest of Europe. Nevertheless the accession of Austria, Finland and Sweden went smoothly, and the fact that the Alpine and Nordic countries were able to pay for schemes that sheltered temporarily the northern farmers helped to make this a success. These countries have not used their membership to press for higher agricultural prices at the EU level.

The pattern is illustrated in the calculated NRA for the EU and EFTA. Figure 4 shows the level of NRA for the EU-12 peaking at close to 100 percent in 1986, when world prices were at historical lows, and generally declining thereafter. By 1994 the NRA for the EU was down to 40 percent, a major decline over the decade. Finland had the highest assistance among the next three accedants in the 1985-94 period, and so had the most adjustments to make on EU accession. In the case of Austria, protection levels increased in the five years up to membership, causing some concern that Austrian agriculture would be adversely effected after joining the EU. But the new EU members were not among the highest supporters of agriculture in the EFTA countries, and so the tensions were controllable by means of transitional arrangements. As a result, there was very little impact on the EU from the enlargement from 12 to 15 members, in terms of either reducing or increasing the level of protection.<sup>29</sup>

The EFTA members that chose not to join the EU maintained their high protection levels for agriculture. Levels of NRA in Switzerland fell a little in 1989 but rebounded by 1990. Some slight downward trend is apparent for Iceland and Norway over the period 1985-1994, but the rate of assistance was still far above the average for Western Europe.<sup>30</sup> The bipolar nature of support in the region was by that time firmly established.

---

<sup>29</sup> Another member of EFTA, Iceland, did not participate in the talks about possible enlargement. The concern that that country would have to adhere to the Common Fisheries Policy has always been a major political hurdle. Lichtenstein, an independent country in a customs union with Switzerland, joined the EFTA-EU accord even though Switzerland did not.

<sup>30</sup> Estimates for Iceland are included only from 1979, when comparable data became available from the OECD.

*1995 to 2007: agriculture restrained*

The coming into force of the Uruguay Round Agreement on Agriculture (URAA) in 1995 brought with it significant changes to the instrumentalities of the CAP. First, it obliged the EU to remove the variable levy and convert it into a fixed tariff. Thus the threshold price, from which the variable levy was calculated, ceased to be the central determinant of protection levels. The URAA obliged the EU to reduce tariffs. However, as a result of the careful choice of reference prices to calculate the tariff equivalent (known as “dirty tariffication”) and the convenience of using an unweighted average for tariff reductions, the impact on the price levels of sensitive goods, such as sugar, beef and dairy products, was not great. For cereals, the creation of a special category of domestic support that was associated with output controls (the Blue Box) and hence deemed to be less distorting to trade meant that the new MacSharry payments were not required to be reduced. Moreover, a remnant of the “variable levy” was retained (at the insistence of the United States) as the tariff-inclusive import price was not allowed to rise above 150 percent of the intervention price.

The time horizon of the URAA tariff and support reductions was from 1995 through 2000, and that of the application of the MacSharry CAP reforms was from 1994-1996. So it became clear that though the 1992 CAP reform may have allowed the EU to have agreed to the URAA, the process would need to be continued if the WTO constraints were to be respected over the decade. Even more significant was the prospect of enlargement to the East, with ten countries already having an explicit promise of membership. These countries, though not large agricultural exporters, did have significant farming populations. Farmers in the EU focussed on additional competition in some commodities, but the Commission was concerned about the potential burden of paying subsidies to farmers in the prospective entrant countries. It was clear that the enlargement would have significant effects on the viability of the CAP.

In 1995 Franz Fischler took over as Commissioner for Agriculture and articulated a vision of an agriculture that was competitive and market-oriented, while at the same time being environmentally sustainable and socially acceptable. The chosen route was to continue down the path of the MacSharry reforms, by reducing support prices and substituting direct payments tied by “cross-compliance” obligations to environmental goals. The Commission’s proposals for agricultural reform were included in the Agenda 2000 document, that also dealt with the budget and regional policy challenges facing the EU (Moyer and Josling 2002). The primary focus of Agenda 2000 was on the enlargement of the EU to include the Central and

Eastern European countries. Ten of these countries had already negotiated “Europe” agreements that were to lead to bilateral free trade (including most of agriculture) over a period of ten years. The pressure was mounting to fulfill the political pledge to allow for the reuniting of East and West Europe, but concern with the impact on both agricultural markets in the EU and the financial cost of extending the CAP to the new members was also rising. Agenda 2000 was the Commission’s suggestion as to how the budget and agricultural challenges could be met.

The agricultural reform component of Agenda 2000 was presented to the Council of (Agriculture) Ministers in 1997, and eventually endorsed with much of the Commission’s ideas intact in 1999. Though the Agriculture Ministers’ plan was modified by the European Council (a regular meeting of Heads of State or Government), the agreement that emerged was a major step in the evolution of the CAP.

One important concession was won by those that favored even more reform of the CAP: there would be a “mid-term review” of the effectiveness of the Agenda 2000 reforms in 2003 (at the half-way stage of the 2000-2006 fiscal horizon). Fischler was able to convert what could have been a routine review of progress into a further step along the path set by the MacSharry and Agenda 2000 reforms, by shepherding through the Council of Ministers a proposal for consolidating the direct payments associated with the compensation for price decreases in particular crops into a “Single Farm Payment” that was even more remote from farmers’ production decisions and market prices. This 2003 reform package also began to tackle the difficult issue of reform of the dairy sector.

Following on the heels of the 2003 reform the Commission proposed changes in the regimes for the Mediterranean crops, specifically for cotton, tobacco, rice and hops. The thrust of the reforms in these products was to blend them with the Single Farm Payment system, while reducing distortions in the market. New proposals for fruits and vegetables were adopted in 2004, with subsidies for processing being converted into producer payments and those for the withdrawal of fresh produce from the market being channeled through producer organizations. Wine and sugar reform proposals were introduced in 2005 and the sugar reform was agreed in 2006. This new regime aimed to eliminate the production quota system, paying compensation to those adversely impacted – producers, crushers and refiners, and overseas producers that rely on sales to the EU market – and cutting support prices. The wine reforms were still under discussion as of early 2008.

The aggregated impact of these various policy changes is shown in Figure 5. The EU-15 exhibits an NRA of around 40 percent following its absorption of three new members (and the introduction of the disciplines of the URAA) in 1995. By 2004 this had declined to around 30 percent. The reforms combined with higher world prices to lower the distortion to about 13 percent by 2007. The same trend is seen in the calculation of NRAs for the EFTA countries that have retained their agricultural policy autonomy. Norway and Switzerland have reduced the distortions as measured by the NRA to about one-half of the levels seen in the late 1990s. Iceland seems to be the one country where the tendency toward more moderate levels of assistance has been resisted most.

### **Detailed estimates of nominal assistance, 1955 to 2007**

Having calculated the NRAs to inform the above description of the evolution of agricultural policies in Western Europe, it is now possible to make more use of that database to illustrate several additional points.

First, the NRA calculations need to be qualified by the change in the nature of the policy instruments adopted.<sup>31</sup> In the latter 1980s, direct payments were limited to such products as olive oil and durum wheat, with market price support making up the bulk of assistance given to agriculture. From 1992 the total support (including direct payments and non-product-specific support) and the market price support (limited to price support for individual commodities) began to diverge. By 2004 almost one-half of the 100 billion euro in assistance to agriculture came in the form of income payments and provision of services on a non-product-specific nature (OECD 2006, see Appendix Figure 7). There is no doubt that such payments benefit agriculture and keep resources in the sector that might otherwise leave, but the direct distorting impact on commodity output, consumption and trade is less, and arguably a much smaller source of the programs' economic cost.<sup>32</sup> If the assistance from

---

<sup>31</sup> The NRA was calculated with non-product-specific payments and direct 'decoupled' payments both included and excluded to help identify the importance of these policy changes.

<sup>32</sup> The extent to which a payment is production-neutral (the degree of decoupling) differs depending on the way it is administered and the expectations of the recipient, so the categorization of policies by the degree of production-neutrality is a hazardous endeavor. No attempt is made here to evaluate the extent of the distortion that might still be present from policies defined as decoupled from output price and quantity produced. Rather, we include as 'decoupled' the value the OECD estimates under certain categories of support. For the years 1979-85 there was just one category, called 'direct payments'; from 1986, those payments are specified to

these somewhat decoupled measures had been included in the calculation of support for Western European farmers, their NRA would have declined much less after 1992 (see Figure 6).

Second, when products are classified as exportables, importables and nontradables (see the Appendix for the precise classifications for each non-EU country and for the EU bloc), it becomes clear that exportables are assisted far less than import-competing farm industries in the case of the EU – but exporters are assisted only slightly less in the case of non-EU countries of the region (Figure 7).

Third, the rate of assistance to Western Europe's farmers dwarfs the small and declining NRAs for producers of non-agricultural tradable products, and so the Relative Rate of Assistance (RRA) is almost the same as the NRA for agriculture (Table 1).

Fourth, the NRA varies greatly across the range of covered farm commodities (which account for more than 75 percent of the region's agricultural production when valued at undistorted prices). The extent of that dispersion in NRAs for the EU increased up to the 1980s before decreasing, but it has continued to increase in non-EU countries (see second to last row of Tables 2 and 3). This suggests there is great scope to improve the efficiency of resource use within each country's farm sector.

Fifth, leaving aside non-product-specific and decoupled support, most of that assistance to farmers for covered products has come from border measures rather than domestic price supports (see near bottom of Tables 2 and 3). This aspect of European policies is in sharp contrast to the situations in the United States where domestic support plays a major role (c.f. Gardner 2008).

Sixth, the average rate of assistance to farmers varies by country even among the EU members (Table 4). This is because the commodity composition of farm output varies across countries and over time, and hence so do the weights (based on value of production at undistorted prices) used to calculate the average.

Sixth, the gross subsidy equivalent of the support provided to Western Europe's farmers varies hugely across countries (Table 5(a)) and across commodities (Table 5(c)). The

---

comprise the OECD's items C (payments based on area planted/animal numbers), D (payments based on historical entitlements), F (payments based on input constraints) and G (payments based on overall farming income); and for 2005-07, those items replaced by similar but newly defined items C to E. While the administration of the EU's direct payments policies varies among the member countries, we have insufficient data to do more than assume the percentage points of NRA from decoupled payments is the same for all EU members. This categorization for economic purposes (and that for 'non-product-specific' assistance) should not be confused with the legal allocation of domestic support measures into the WTO colored "boxes" in the context of international commitments.



biggest recipients among the commodities are milk, beef and wheat. When expressed per person engaged in farming, it is highest in Norway and Switzerland but, within the EU, it is almost as high in Denmark, the Netherlands and France (Table 5(b)). Note that the subsidy equivalent per EU farmer drops by two-thirds in 2005-07. This is much bigger than the 45 percent drop in the aggregate value compared with 2000-04, because the number of EU farmers has expanded hugely with eastern enlargement (even though strictly speaking they are not in Western Europe). These are not actual cash transfers from the EU's budget in Brussels, but simply the value equivalent of the price support provided primarily via protection from non-EU imports.

And finally, since most of the assistance to farmers comes from border measures, those same measures also raise consumer prices of farm products. The extent of the consumer tax equivalent is similar to that of the NRA for covered products in percentage terms (although less so the further a country is from self sufficiency), but vary considerably across countries when expressed on a per capita basis: after Iceland, Norway and Switzerland, it is Ireland, Denmark and the Netherlands where consumers are most harmed (Table 6). Note that the value of the implicit transfer from consumers is very small on a per capita basis, at about \$100 for EU countries and \$300 for EFTA countries in 2000-04 (valued at 2000 US dollars). Since this is less than 0.5 percent of per capita income, it is not surprising that consumers see little benefit in getting together to lobby collectively against agricultural supports.

### **Policy trends and turning points since 1955**

This section attempts an analytical explanation of the reasons behind the evolution of policy and policy-related distortions since the mid-1950s. It complements the historical/institutional narrative and NRA estimates of the two previous sections by emphasizing the political economy forces behind the long-run trends and turning points. It focuses on the CAP as the main policy for an increasing number of Western European countries, but the policy developments in the countries that opted to stay outside the EU show some similarity. Emphasizing the trends in policy allows for a consideration of the changes in policy instruments over time and the role of instrument change in improving efficiency in meeting

the various objectives of policy. Discontinuities in the trends can also come from the impact of changes in ideas among the domestic political forces that impact on farm policy in Western Europe and of the introduction of international rules and institutions and the impact of bilateral and other trade agreements.

### *Long-run trends*

Several important trends can be identified as have shaped Western European agricultural policy in the post-war period: the production increases in European agriculture that have transformed the sector from a significant importer of temperate zone agricultural products to a major exporter; the changing emphasis over time away from the production of undifferentiated farm commodities towards quality and other attributes that allow for product-differentiation; the increasingly globalized market that both provides raw materials and intermediate inputs for the European food system and offers expanding access to consumers in other countries; and the increasing concern with environmental and other objectives that are constantly changing the nature of the coalition of interests necessary for the support of agricultural policy. The reinstrumentation of agricultural policy has been a consequence of these trends away from import protection that allowed the sector to have a sheltered environment for growth and towards direct payments that are supported as rewards for socially-responsible farming practices. Intervention in the market and the dumping of surpluses abroad has largely given way to a regulatory approach that is encouraging quality foods that have a ready market and protecting locational and other indicators that are associated with such quality attributes. The reinstrumentation itself has largely been responsible for the moderation of the levels of protection relative to non-agricultural sectors and for less consumer taxation mentioned above.

### *Production increases*

Somewhat ironically, it has been the strong growth of agricultural production in Western Europe that has brought about the most intractable policy problems. The policies introduced in the EEC were premised on the fact that agriculture needed support because it could not compete with domestic industry for labor and capital or with production from overseas farms that were larger and perhaps less constrained by social and environmental factors. The instruments used were designed to insulate domestic producers from developments on world

markets. World prices were seen as too volatile to act as a basis for stable domestic markets. When prices were held up by imports entering over the protective wall, this system was at least manageable, if not efficient. But when production outstripped demand, surpluses began to accumulate. New instruments had to be developed and those that had been intended as occasional market supports undertook new functions.

These pressures arising from production increases were noticed first in the cereals market. As a result of the initial decision on cereal prices, production of wheat, barley and maize (corn) increased sharply. Use of grains for animal feed dropped rapidly, and the search for alternative feeds began in earnest. One external factor played a significant role in the development of such alternatives: the level of protection of several non-grain feedstuffs had been fixed at zero or low levels in the Dillon Round of the GATT (1962). Feed compounders in Europe found that soybean meal (from imported soybeans) and cassava chips (from Thailand and Indonesia) made a cheaper feed for livestock than (domestic) corn and barley. The expanded imports that followed exacerbated the domestic supply imbalances, adding to the growing stocks of cereals.<sup>33</sup>

Dairy prices had also been set high in the EEC, encouraging production and discouraging consumption. Structural change in the dairy sector added to the increase in production.<sup>34</sup> Surpluses showed up early, and various mechanisms were suggested to get rid of the “butter mountains” that had resulted from intervention buying. Taxes on the use of non-dairy products were suggested but not approved. Subsidies for the use of skimmed milk powder in animal feed were effective but did not discourage production. Modest price cuts (through co-responsibility levies) also were too small to curb production. Finally, in 1981, quotas on milk production were introduced. These have been in place ever since, and have been effective if inefficient as a way to restrain production.

Beef production also expanded rapidly in the EU, in part as a reflection of the increase in dairy production (most beef in Europe comes from the dairy herd) and in part a reaction to hill farming and other livestock subsidies. But in the 1970s consumption of veal slumped as a result of health concerns related to the use of growth hormones, and in the 1990s beef consumption plummeted following the discovery of a probable link between Bovine Spongiform Encephalopathy (BSE) in cattle and a new variant of Creutzfeldt-Jakob disease

---

<sup>33</sup> In addition, the soybean oil produced along with the soybean meal was a major competitor for butter and for olive oil, increasing the surpluses of these crops.

<sup>34</sup> Trade issues also played a role here, as the UK insisted on continued preferential access for New Zealand for butter as part of its accession arrangements.

(nvCJD) disease in humans. So the policy response had to focus on reassuring consumers rather than discouraging producers from overproduction.

Another product where surpluses appeared was sugar, where beet had been grown for 150 years as a rotation crop for Northern Europe and a valuable calorie source in times of interruption in trade.<sup>35</sup> But both France and the UK had former colonies that depended on the European market to sell their sugar cane. When the UK acceded to the EEC in 1973, a guaranteed market was conceded for its overseas suppliers. So the EU has struggled with an import commitment alongside a growing export surplus. When other exporters challenged the legality of the EU's policy of re-exporting the imported sugar, a panel found that the EU had exceeded its export subsidy commitment under the WTO. The sugar policy has now been reformed, by reducing support prices and paying compensation to growers and beet crushers, so that it is less obtrusive on world markets.

In each of these cases, the main problem was that prices were rigid downwards, largely as a result of the decision making system. Farm ministers were reluctant to return from the annual price negotiations in Brussels having agreed to price cuts. And financial control was also lacking, largely because the impact of price decisions on spending were not apparent to those (the farm ministers) making the decisions. As the budget cost of export subsidies was shared among all members (and the import levies pooled) the true (foreign exchange) cost to each country was the internal price. Under these circumstances, it was not surprising that price cuts were rare. Productivity growth put pressure on the costs of the policy and on the external impact, but the lack of financial accountability and the difficulty of getting the political support needed for a major policy change led to a continual air of crisis and controversy.

#### *Comparisons with other high-income countries*

The predominant feature of agricultural policy in Western Europe over the past fifty years has been the relatively high levels of support given to most sectors of agriculture. Support has been high relative to other temperate zone producers of agricultural goods. Though agricultural protection in East Asia rose from low levels in the 1950s to be well above those in Western Europe (Honma and Hayami 2007), protection in Australia, Canada, New Zealand and the United States was generally at a much lower level (Gardner 2008, Anderson et al. 2008).

---

<sup>35</sup> Sugar beet production was developed and encouraged in the Napoleonic era as a food security strategy.

Including agriculture in the experiment of economic integration was a bold leap into the dark for the EEC. The economic rationale was similar to that in other sectors: the agricultural sector would gain from rationalization on a continent-wide basis and would lower costs. This in turn held out the hope that an integrated European agriculture could compete with the Americas and the temperate zone producers of the Southern Pacific. But this would have required real competition among EEC farmers, with the less efficient leaving the sector. The main explanatory factor for the level of protection in the fifty years of Western European agricultural policy under discussion has been the reluctance of politicians (and to a large extent, of society in general) to expose the sector to this degree of competition. Integration of agricultural markets has indeed taken place, but in an environment where inefficiencies were able to survive and production decisions did not reflect the realities of the market. In short, the distortions that have continued in European agriculture have been as a result of the political reluctance to encourage the needed adjustments in the sector. The social costs of such adjustments played a dominant role in shaping the crucial decisions. But as a result, fresh resources have been attracted into the industry that could have had greater benefits to society elsewhere. The process of outmigration from agriculture has undoubtedly been slowed by the incentive structure of the CAP. Thus the policy has been successful in its own terms, by mitigating the adjustment cost, but expensive in societal terms by delaying changes that would have been beneficial.

The unwillingness of governments to subject their agricultural sectors to the rigors of the market was also evident in the decisions of those countries that chose not to join the EU. The need to lower support prices in Norway and Switzerland in the event of membership was a major factor in generating opposition to EU accession in rural communities. These high-cost countries have been reluctant to expose their farmers to competition from the EU and to induce the structural changes and entrepreneurial initiatives that offer the chance for competitiveness. Each has protected its agriculture behind high tariffs, thus blunting market signals and burdening the downstream sectors with higher costs.

#### *Environmental and quality objectives*

The five decades discussed above cover a period of a major transformation of agricultural policies not just in terms of the instruments used but in the objectives that lie behind government intervention in the agricultural sector. The focus of agricultural policy has over the period swung away from a narrow focus on the income level of farmers toward a raft of

policy objectives ranging from the preservation of the countryside and the provision of healthy food to rural development and animal welfare. Farm incomes have over time become more of a constraint on policy change than a rationale for the existence of policy. Those who benefit financially from the policy have been able to slow down the shift in emphasis (and budget allocation) but not stop it altogether.

The need to include incentives for the improvement of farm structures was recognized in the 1960s, when the Mansholt Report emphasized the dangers of pursuing all objectives through price support. The introduction of a structural program proved slow, as it was in competition with funds for market management. Similarly the need was realized for funds for rural development in part as a way of helping agriculture adjust. Eventually, the “Second Pillar” of the CAP was constructed and supplied with enough funds to make it a significant aspect of policy. National funds are also now authorized, subject to constraints, to be shifted from price and income support to rural development programs (modulation) that meet other objectives.

Environmental objectives have also become important in shaping the CAP (and policies in the EFTA countries). Originally the thrust was to prevent the negative impacts of intensive farming on the countryside (and adjacent urban areas) and on soil, air and water pollution. Over time this has changed into an emphasis on the positive contribution of agriculture as the dominant activity in much of the Europe’s more scenic rural areas. In the 1990s this became associated with the term “multifunctionality,” reflecting appropriately the range of public goods provided by rural businesses. But other exporters pointed to the risk that this could become an excuse for a blank cheque to policy-makers who were looking for reasons to continue income support in a more acceptable guise – thus perpetuating the distortions to resource allocation.

The first evidence of major changes to the politics and political economy of the CAP that came as a result of public concerns over food safety. Building on public reactions to some reported instances of human exposure to hormones used in livestock production, the EU banned the use of such substances in animal production. Apart from the international ramifications of this decision (US and Canadian beef and beef products were banned) the impact on domestic policy was noticeable. It ushered in perhaps the most significant change in the perception of the CAP, its link with food quality and the production practices employed by farmers. The advocates of more emphasis on local foods and on more animal-friendly livestock practices joined up with those that opposed the use of transgenic technology in

foodstuffs to form a formidable new voice in agricultural policy. The CAP has become complemented with increasingly centralized food safety and quality policies and regulations on animal welfare. The policy has itself been redefined as one that emphasizes quality (over quantity) and the promotion of foods that reflect the cultural richness of rural Europe. Farmers spotting this trend have shifted their own production and marketing practices toward these new demands. It could be argued that this market orientation reduces distortions, though others might regard the policy-supported changes in demand as themselves “distortions” for the consumers that cannot or do not wish to shift their eating habits in this way.

### *Reinstrumentation*

The original policy instruments chosen by the EEC were intended to provide a stable price environment for the agricultural sector. The variable levy smoothed out the fluctuations that would have otherwise been transmitted to the domestic market. The export subsidies (restitutions) allowed goods to be withdrawn from the domestic market and sold at lower world prices. Only dairy (after 1981) and sugar (strictly speaking a “temporary” market order) were subject to supply controls. Some producer subsidies existed, including those for durum wheat and for olive oil, but these were also backed up by tariff protection. Wine was regularly taken off the internal market for distillation, and producer groups could withdraw fruits and vegetables with assistance from the Commission if prices fell to “crisis” levels. The changes that have come about in the instruments used in the CAP are as important in their impacts as the levels of protection themselves. These changes have not come easily, but they have had a lasting impact on the shape of the CAP.

The most significant modification of policy instruments came in 1992, with the MacSharry reforms.<sup>36</sup> Direct payments in compensation for price declines added flexibility to the policy, as described above. But this transition also followed a pattern observed in other countries. The US began to move from price supports to direct payments, and to decouple those payments from production and prices during the 1980s (Moyer and Josling 1990). And at the time of the Uruguay Round it became apparent that one way to reduce overseas threats to the CAP was to make the instrumentalties more similar to those of trading partners.

---

<sup>36</sup> A change in the oilseeds policy preceeded that in the cereals market, as a GATT panel ruled that payments to processors tied to the use domestic raw material were inconsistent with GATT obligations. This change allowed the EU to gain experience with a direct payment program

Since the mid-1980s the gap between total producer support and that derived from market price support has widened, particularly after the 1992 reforms. Currently, market price support accounts for just over one-half of total CAP support, compared to 90 percent twenty years ago. To the extent that the new instruments are significantly less trade distorting, they also are less distorting for the domestic economy. A similar trend is noticeable for Switzerland: the “decoupling” of payments from output and price has been introduced even though the absolute level of support is still greater in that country than in the EU. Norway has not increased its degree of decoupling, but the absolute level was in any case lower as a result of subsidies that were aimed at keeping population in the North of the country regardless of their levels of output (Appendix Figure 8). The decoupling of support from price and output has also allowed for a trend to attach payments to other policy objectives in these EFTA countries as it has in the EU.

### *Turning points*

Though these trends have continued over the five decades, several turning points have also been crucial in influencing the CAP and the level of distortions that have been a feature of agricultural policies in Western Europe over the period since 1955. These include the increase in the price of oil in 1973 that changed not only the macroeconomic picture in Western Europe but also the perception about commodity markets and food prices.

The oil price increase impacted the CAP in two respects. It increased costs to farmers in a way that was readily apparent and led to compensating price increases. Coming not long after the end of the transition period (1967), at a time when policy-makers were attempting to reduce price incentives, and the exchange rate changes of 1968, when prices diverged again within the EU, the pressures for price adjustments was difficult to resist. Moreover, the oil price increases coincided with the sharp rise in cereal and sugar prices on world markets, thus fuelling fears of longer term shortages and masking the level of underlying distortions that were present in the system. The opportunity to make use of the high price period to reduce the support prices was lost. Instead, support prices followed the world market upward, to be left isolated when world prices declined again.

The oil price hike also coincided with the accession of the UK to the EEC. The UK was expected to bring a new look at farm policy based on its history of international openness. Some countries welcomed this (such as the Netherlands) while others were prepared to resist



(notably France but also Germany). However, the period of inflation and currency movements that followed in the 1970s overwhelmed the possibility of policy improvements and left the UK reluctantly accepting the CAP so long as the budget cost to the UK was constrained and so long as it controlled the pace of adjustment of the “green” rate of exchange. This compromise lasted through the run up to monetary union, when policy prices in the EU became “common” again.

Political changes also have had an impact on the CAP and hence on the level of distortion in Western European agriculture. The fall of the Berlin Wall in 1989 and the subsequent unification of Germany offered an opportunity for the return of the countries of Central and Eastern Europe (CEECs) to the mainstream of economic and political life. This has governed the basic approach to agricultural policy since that date. Europe Agreements were negotiated with those CEECs that were deemed to be ready for accession, and agricultural products were included, albeit with some restrictions of a quantitative nature. All agricultural policy decisions since that time have had to be taken in the light of their implications for the larger European market. This has acted as a disincentive to increase support levels in the existing EU.

To an extent unmatched in most other developed regions, the CAP has been influenced by external pressures as well as by those of a more domestic nature. A major turning point came in the mid-1980s as a direct result of this external pressure. The decision making of the CAP always took place within the context of the state of world markets, which effected budget costs in particular. But the Uruguay Round introduced, in the Agreement on Agriculture (URAA), a legal framework that restricted the scope for domestic action. It also gave domestic policy makers a lever on the policies of other countries, through the negotiation and enforcement of tariff reductions and scheduled cuts in subsidies. Thus the CAP, along with the policies of other countries, was subject after 1995 to challenge, and policy changes that would have been of mainly internal interest became of international significance.

### **Prospects for future reform of Western European policy**

The essential nature of the CAP is that it represents a bargain among member countries. Each country in the EU has its own agricultural policy objectives even if it has ceded the ability to

use many instruments to achieve those objectives. The CAP is a reflection of the bargaining process within the EU as much as a coordinated and consistent European view of appropriate role for government in agriculture. Reform can come about as a result of changes in the terms of the bargain just as much as a shift in the model of agriculture that underlies policy or the reactions to exogenous events. However, it is still possible to speculate on the change in underlying attitudes to agriculture in the development of the CAP, and hence hazard a guess as to where those trends might be leading. In the light of the political economy constraints and incentives mentioned above, this section attempts to draw out the prospects for further policy reform in Western Europe.

One issue is whether the consolidation of Western Europe in the EU, and by implication the extension of the CAP to all Western European agriculture, will in the foreseeable future be completed. This implies the entry of Norway and Switzerland to the EU. Norway has resisted so far in part because its position as an exporter of oil and gas has enabled it to have a high level of income as an “adjunct” to the EU market. Investment could be stimulated by accession, but that is not enough to convince the electorate to “share” its fish resources, subject its farmers to price decreases and possibly have to modify its control and use of its energy supplies. But the possible end to the oil reserves and an autonomous reform of its agriculture (and a more acceptable fisheries policy in the EU) could change the situation. The level of protection is still considerably higher in Norway than in the EU. Significant policy adjustments would be needed before Norwegian agriculture could be assimilated into the CAP.<sup>37</sup>

Switzerland has been steadily converging with the EU in most aspects of policy, both industrial and agricultural. As a result, one would expect the economic aspects of accession to be less significant than its political aspects. Not only does Switzerland have a strong history of avoiding foreign entanglements but its constitution (as a participatory democracy) poses some problems for the transfer of some sovereignty to the EU level. If a time comes when major sectors of the Swiss economy are harmed by exclusion from the EU, one might expect to see an application to join. However, as in the case of Norway, the level of farm protection is still considerably higher than in the EU.<sup>38</sup>

---

<sup>37</sup> Much the same could be said for Iceland.

<sup>38</sup> However, due to the smaller size of these two non-members, Norway and Switzerland, the absolute value of the subsidies is much smaller than that of the EU (see Appendix Figure 8(b)). As a result the international implications of such protection are less immediate.

An enlargement issue of a different kind is the prospect of the accession of Turkey to the EU. The impact on the level of distortion in Western Europe may well be significant. Turkey poses an economic and political dilemma for the EU. On the one hand, the geopolitical argument point to the benefits of offering membership to a strategically important country. On the other hand, Turkey has an income level of about one-third of the level of the EU, and would add some 20 percent to the population. So the impact on the EU economy could be considerable (in a positive as well as a negative direction), with the challenge to agriculture being a major consideration. For these reasons, one might expect a long period of transition before Turkey were to be fully incorporated into the single EU market (see also Anderson and Swinnen 2008).

More trade agreements are on the cards for the EU, as it consolidates its relations with its neighbors in North Africa and the Middle East and extends its “neighborhood policy” to include Central Asia and the Caucasus. The current wave of trade agreements under negotiation also include arrangements between the EU and the countries of Latin America, through an EU-MERCOSUR trade pact. The trade policy plans of the Commission include agreements with major Asian countries, to avoid getting left behind relative to competitors in North America and East Asia. All these agreements will tend to put a downward pressure on agricultural distortions where they include improved market access for farm products. The extent to which this pressure is reflected in real changes will depend on the political significance attributed to the FTAs themselves. Domestic agricultural policy has proved resistant to many such trade policy developments, but not all. The Everything But Arms agreement that gave the Least Developed Countries tariff- and quota-free access to the EU market included agricultural products, and led in turn to the reform of the politically-sensitive sugar policy in 2006.

The CAP has always absorbed a major share of the EU budget, though that share, once above 75 percent, has now been reduced to about 55 percent. More countries are being included in the activities funded from the budget, without corresponding increases in the level of funding. The prospect of substantially increased funds available for agricultural policy is slim. But this in turn means that shifts in instruments toward the less distorting direct (decoupled) payments is increasingly difficult. More likely is the addition of funds for such projects as the development of biofuels which could benefit agriculture in a more acceptable way, depending on how the perception of the environmental effects of such interventions evolve.

The impact of the Uruguay Round on the CAP has been emphasized above. Negotiations have been underway for seven years in the Doha Round, the WTO's follow-up to the UR. The Doha Round would cut tariffs, eliminate export subsidies and reduce the scope for trade-distorting domestic support. Though the talks are presently on hold, there is still the possibility that they may be concluded by the end of 2009. If an agreement is eventually reached within the range of options on the table, the EU would phase out its export subsidies altogether by 2013 and significantly cut its ability to support prices. Though much of the domestic policy is now sheltered in the Green Box (and not subject to reductions), the Doha Round would "lock in" those aspects of reform. Tariffs would be cut by about 60 percent, with some exceptions for the most sensitive products (such as dairy and beef). WTO dispute settlement panels have already found that the sugar and banana regimes were inconsistent with WTO obligations: other countries will no doubt explore further challenges where they consider the CAP too distortive in world markets.

One vital question with respect to the future of the CAP is whether the trend is toward a renationalization of the policy. There has been some small move in this direction, with flexibility built in to the direct payments. The degree of decoupling, for some commodities, is at the discretion of the member countries. How far this trend will go is a matter of political decisions well above that of the agricultural policy. But there is a logic to the renationalization of payments that are not related to farm output so long as they do not influence competition. So there is the possibility of an eventual division between the market mechanisms that would be controlled at the EU level and the payments for public goods that may revert to the national level.

There could therefore be a convergence of the likely and the desirable policy directions in the period up to 2020. A continuation of decoupling of support from price and output should over time significantly reduce distortions, though if such payments are "recoupled" to other objectives there could be some economic cost. Trade agreements will reinforce this trend, as access to the EU market will be an important inducement for other countries to conclude such agreements.

What, if any, are the policy lessons for developed, developing and transition economies of the trends and turning points in Western Europe's agricultural policies? In many ways the EU is unique in having agreed at its founding on a system of internal free trade and a common policy for market management and external protection. In that regard the lessons are less likely to be directly applicable. But the development of the CAP does offer

some generalizable lessons. Among the most important of these has to do with the pitfalls of attempting to manage markets in such a way as to give farmers adequate incomes. Technical advances, demand shifts and the natural responses by private actors to incentives offered by policy will undermine the ability of policy administrators to achieve the required outcome. The CAP was too inflexible to adapt to changes in the internal or external market: Ministers of agriculture meeting periodically are unlikely to be able to adjust policy instruments and price levels in the face of such changes. So the policy is always a step behind the market. And the income streams generated by the policy ensure that there are always interests lined up against change. The combination of inflexible decision making and a bias toward the *status quo* made it impossible for the CAP to keep its relevance over the decades. But external pressure through the GATT talks and the WTO, as well as a feeling that the CAP was no longer viable in its original form, have induced a series of changes that have shifted the nature of agricultural policy in Europe. The policy is still somewhat inflexible, and changes may be even harder now with twenty-seven members, but the reduction of prices of most of the main products to near world market levels has given much more scope for creative policy making. The flexibility of direct payments, though it can be overused, gives the hope of a policy for agriculture that is less distortive of world markets and less obtrusive of economic adjustments on the domestic front. The way in which this was accomplished should indeed be of interest to other countries.

## Conclusions

Three main conclusions emerge from this chapter. First, the level of distortions to the Western European economies resulting from direct and indirect policy interventions in agriculture has been declining in recent years. Protection of agriculture was highest in the 1960s but fell in the 1970s as world markets became tight and European agriculture appeared, temporarily, to be more competitive. But reaction to the period of high world prices and inflation at home led to a rapid increase in distortion from the mid-1970s to the early 1980s. That the level of distortion remained high for several years attracted criticism from at home and abroad. These levels have been steadily declining in the EU since the mid-1980s and become much more stable. In the countries that decided to stay outside the EU, distortions

remain high and more variable, although in the last few years there have been signs of convergence with the EU.

Secondly, the act of joining the EU has had a mixed impact on country levels of distortion, and hence on the total level of distortion in the region. In some cases the accession of new members has raised the protection level and in others it has decreased it. Protection levels in Western Europe increased as a result of the 1973 accession of the UK, Denmark and Ireland. Agriculture in each of these countries expanded and their competitiveness with respect to world markets was eroded. The entry of Southern European countries in the 1980s also increased the overall level of protection by including in the CAP countries such as Spain and Portugal that had relatively low levels of assistance. But, many of the countries that chose to stay outside the EEC in the 1960s were also those countries with high-cost farming sectors. The high levels of protection were not “imported” into the EU from countries such as Finland and Austria. Hence, the overall result of the incorporation of the many of the Nordic and Alpine countries has been to reduce overall protection in Western Europe somewhat when they eventually joined the EU. This is confirmed by the nature of the two major countries in Western Europe that have remained outside the EU (Switzerland and Norway) both of which have far higher levels of distortion than the EU itself. This suggests that their eventual accession could play some role in reducing distortions in these countries, even if not in the current EU countries.

The accession of the ten new members from Central and Eastern Europe posed a challenge for the CAP and the process of reform. Though producers in the EU expressed the fear that the competition from those countries would oversupply markets in the EU, particularly for products such as pigmeat, the European Commission was more concerned with the implied commitment to pay direct payments to the large number of farmers that were about to join the EU and come under the political umbrella of the CAP. As it happened, prices rose steadily in the new entrants, but surplus production has not been a problem. Market disruption has been limited to isolated cases, and the eastern half of the Continent is rapidly becoming integrated with Western markets. The prospect of additional costs under the CAP proved a real stimulus for reform: it had already been decided to spread funds allocated for a EU of 15 over all 27 countries. So one can reasonably conclude that the latest enlargement has tightened the constraints already limiting the CAP, even though it has raised farm protection in the CEECs (Anderson and Swinnen 2008).

The third conclusion is that domestic policy operates in an international environment, even as domestic politicians proclaim their autonomy. The development of policy in Western Europe has become in itself an international issue, and external pressures could not be ignored. This posed a major challenge for policy-makers, who could have used the external pressure as a reason for positive change or as a negative force that call for defenses that deflect its impact. The EU for many years attempted the latter strategy, but since 1990 has made significant use of bilateral and multilateral agreements to guide agriculture in a direction that makes it compatible with a more open trade system. So economic distortions have been reduced as compatibility issues with the international economic system have been resolved. The pace of such developments has been dictated by those who were gaining most from the unreformed policy, but in the end the political benefits that flowed from reforming the policy came to outweigh the costs of change. Though considerable distortion in Western European agriculture still exists, the path to reducing that distortion is opening up. Allowing farmers to respond to consumer demands, where not artificially stimulated by government regulations, is the most desirable way to point agricultural policy. The rhetoric of the CAP has adopted this approach for the past five years, and the policy is slowly moving in that direction.

## References

- Anderson, K. (ed.) (2009), *Distortions to Agricultural Incentives: A Global Perspective, 1955 to 2007*, London: Palgrave Macmillan and Washington DC: World Bank.
- Anderson, K. and Y. Hayami (1986), *The Political Economy of Agricultural Protection*, London and Sydney: Allen and Unwin.
- Anderson, K., M. Kurzweil, W. Martin, D. Sandri and E. Valenzuela (2008), "Methodology for Measuring Distortions to Agricultural Incentives", Agricultural Distortions Working Paper 02, World Bank, Washington DC, revised January. Posted at [www.worldbank.org/agdistortions](http://www.worldbank.org/agdistortions) and reproduced as the Appendix in Anderson (2009).
- Anderson, K., R. Lattimore, P. Lloyd and D. MacLaren (2008), "Distortions to Agricultural Incentives in Australia and New Zealand", Agricultural Distortions Working Paper

- 09, [www.worldbank.org/agdistortions](http://www.worldbank.org/agdistortions), revised August (condensed to Ch. 5 in Anderson 2009).
- Anderson, K. and J. Swinnen (2008), “Distortions to Agricultural Incentives in Eastern Europe and Central Asia”, Agricultural Distortions Working Paper 63, [www.worldbank.org/agdistortions](http://www.worldbank.org/agdistortions), August (condensed to Ch. 6 in Anderson 2009).
- Anderson, K. and E. Valenzuela (2008), *Global Estimates of Distortions to Agricultural Incentives, 1955 to 2007*, database available from October at [www.worldbank.org/agdistortions](http://www.worldbank.org/agdistortions).
- Avillez, F., T. Finan and T. Josling (1988), *Trade, Exchange Rates, and Agricultural Pricing Policy in Portugal: The Political Economy of Agricultural Pricing Policy*, World Bank Comparative Studies, Washington DC: World Bank.
- Avillez, F., T. Finan and T. Josling (1991), “Portugal”, Ch. 5 in A. Krueger, M. Schiff and A. Valdes (eds.), *The Political Economy of Agricultural Pricing Policy: Volume 3 Africa and the Mediterranean*, Baltimore: Johns Hopkins University Press for the World Bank.
- Corkhill, D. (1995), *The Portuguese Economy Since 1974*, Edinburgh: Edinburgh University Press.
- Crafts, N. and G. Toniolo (2008), “European Economic Growth, 1950-2005: An Overview”, CEPR Discussion Paper No. 6863, London, June.
- EUROSTAT (2006), Online Database accessed June 2006.
- FAO (1973), “Agricultural Protection: Domestic Policy and International Trade”, FAO Conference Document C 73/LIM/9, Rome: Food and Agriculture Organization, November.
- Gardner, B. (2008), “Distortions to Agricultural Incentives in the United States and Canada”, Agricultural Distortions Working Paper 62, [www.worldbank.org/agdistortions](http://www.worldbank.org/agdistortions), August (condensed to Ch. 4 in Anderson 2009).
- Gulbrandsen, O. and A. Lindbeck (1973), *The Economics of the Agricultural Sector*, Uppsala: Almqvist and Wicksell.
- Hallett, G. (1981), *The Economics of Agricultural Policy*, 2<sup>nd</sup> edition, Oxford: Blackwell Press.
- Heidhues, T. et al. (1978), *Common Prices and Europe's Farm Policy*, Thames Essay No. 14, London: Trade Policy Research Centre.

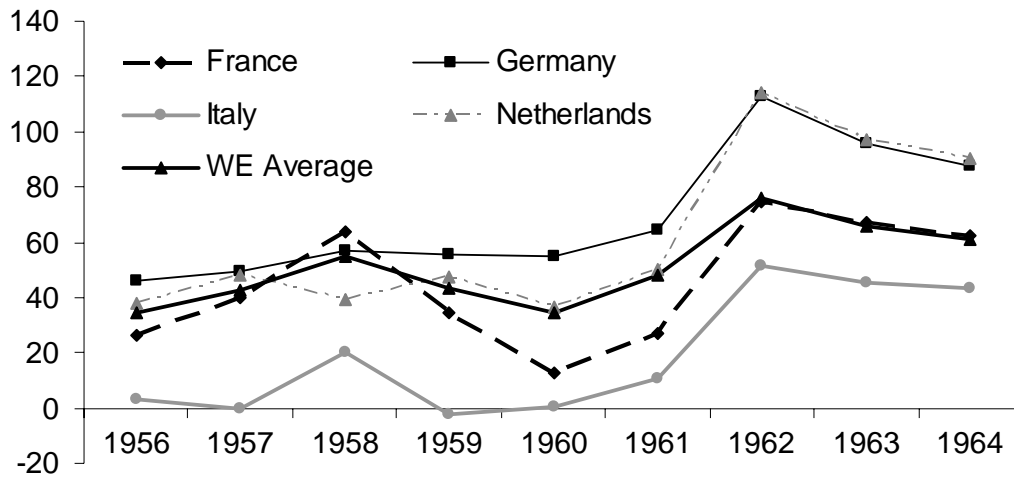


- Honma, M. and Y. Hayami (2007), "Distortions to Agricultural Incentives in Japan, Korea and Taiwan", Agricultural Distortions Working Paper 35, [www.worldbank.org/agdistortions](http://www.worldbank.org/agdistortions), December (revised as Ch. 2 in Anderson 2009).
- Howarth, R.W. (1971), *Agricultural Support in Western Europe*, Institute of Economic Affairs, Research Monograph No. 25, London.
- Ingersent, K. and A.J. Rayner (1999), *Agricultural Policy in Western Europe and the United States*, Cheltenham: Edward Elgar.
- Josling, T. (1970), "Exchange Rate Flexibility and the Common Agricultural Policy of the EEC", *Weltwirtschaftliches Archiv* 104(1).
- Josling, T. (2007), "External Influences on CAP Reform: An Historical Perspective," Workshop on The Political Economy of the Fischler Reforms, CEPS, Brussels, 15 February.
- Josling, T. and S. Harris (1976), "Europe's Green Money", *The Three Banks Review* 109: 57-72, March.
- Kindleberger, C.P. (1975), "The Rise of Free Trade in Western Europe, 1820-1875", *Journal of Economic History* 35(1): 20-55.
- Krueger, A.O., M. Schiff and A. Valdés (1988), 'Agricultural Incentives in Developing Countries: Measuring the Effect of Sectoral and Economy-wide Policies', *World Bank Economic Review* 2(3): 255-72, September.
- Lieberman, S. (1995), *Growth and Crisis in the Spanish Economy, 1940-93*, London: Routledge
- McCrone, G. (1962), *The Economics of Subsidizing Agriculture*, London: Allen and Unwin.
- Moyer, W. and T. Josling (1990), *Agricultural Policy Reform: Politics and Processes in the EC and USA*, Hemel Hempstead UK: Harvester-Wheatsheaf Publishers.
- Moyer, W. and T. Josling (2002), *Agricultural Policy Reform: Politics and Process in the EU and the US in the 1990s*, Aldershot UK: Ashgate.
- Nash, E.F. (1955), "The Competitive Position of British Agriculture," *Journal of Agricultural Economics* 11(3): 222-41.
- Nash, E.F. and E.A. Attwood (1961), *The Agricultural Policies of Britain and Denmark: A Study in Reciprocal Trade*, London: Land Books.
- OECD (1967), *Agricultural Policies in 1966*, Paris: Organisation for Economic Co-operation and Development.

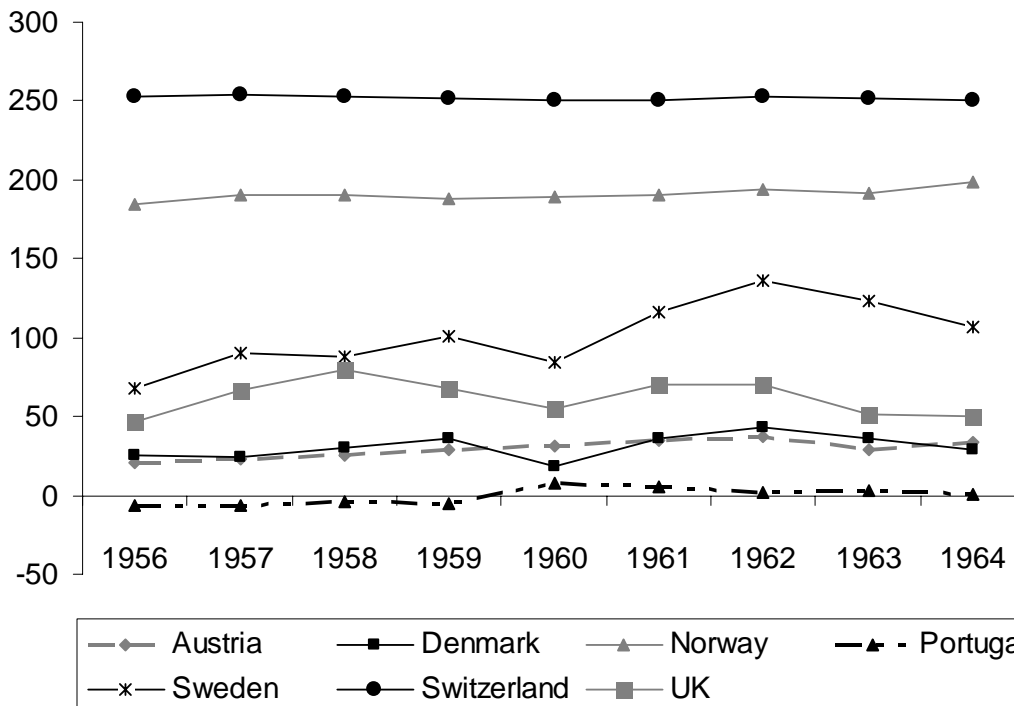
- OECD (2005), *Agricultural Statistics* (online database accessed at [www.oecd.org](http://www.oecd.org) in April 2007).
- OECD (2008), *Producer and Consumer Support Estimates* (online database accessed at [www.oecd.org](http://www.oecd.org) for 1986-2007 estimates; and OECD files for estimates using an earlier methodology for 1979-85).
- Orwin, C.S. (1949), *A History of English Farming*, London: Thomas Nelson and Sons.
- Pepelasis, A. et al. (1980), ‘The Tenth Member – Economic Analysis’ *Sussex European Papers* No. 7, University of Sussex.
- Roesener, W. (2000), “The History of German Agriculture”, in S. Tangermann (ed.), *Agriculture in Germany*, Frankfurt: Verlag.
- Sandri, D., E. Valenzuela and K. Anderson (2007), “Economic and Trade Indicators for Asia” Agricultural Distortions Working Paper 20, World Bank, Washington DC, December. Posted at [www.worldbank.org/agdistortions](http://www.worldbank.org/agdistortions)
- Snyder, L.L. (1945), “The American-German Pork Dispute, 1879-1891,” *Journal of Modern History* 17(1): 16-28, March. (Reproduced in K. Anderson and T. Josling (eds.), *The WTO and Agriculture*, Volume II, Cheltenham: Edward Elgar.)
- Tracy, M. (1964), *Agriculture in Western Europe*, New York: Praeger.
- Tracy, M. (1989), *Government and Agriculture in Western Europe, 1880-1988*, Hemel Hempstead: Harvester Wheatsheaf.
- Tyers, R. and K. Anderson (1992), *Disarray in World Food Markets: A Quantitative Assessment*, Cambridge and New York: Cambridge University Press.
- World Bank (2007), *World Development Report 2008: Agriculture for Development*, Washington DC: World Bank.

Figure 1: NRAs to agriculture, EU-6 and Western European average, 1956 to 1964  
(percent)

(a) EU-6 members



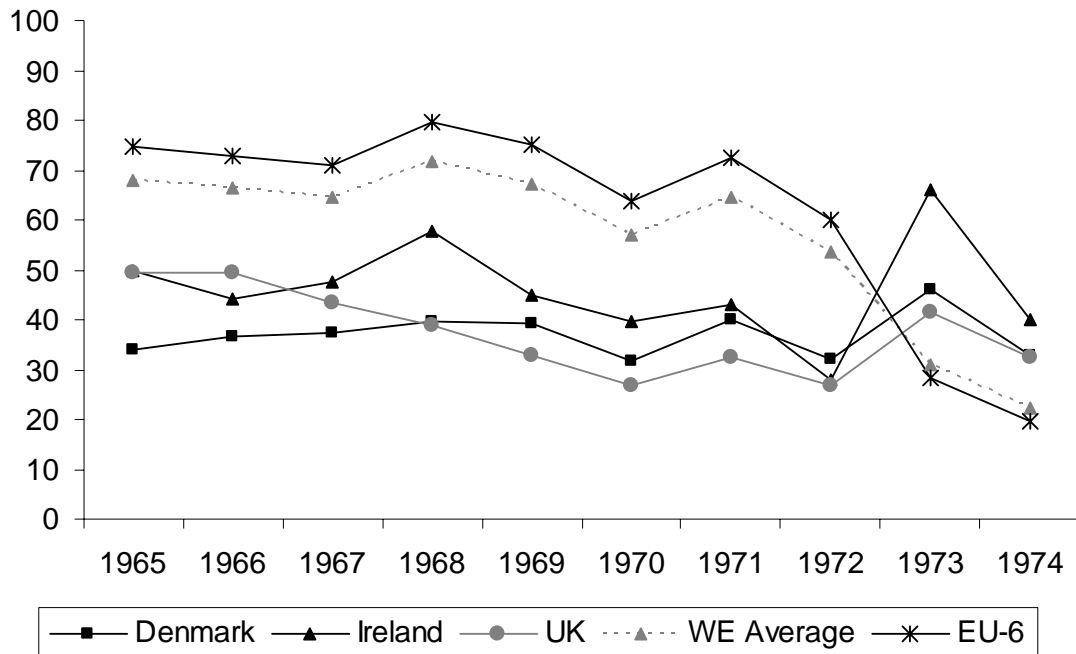
(b) Other European Countries



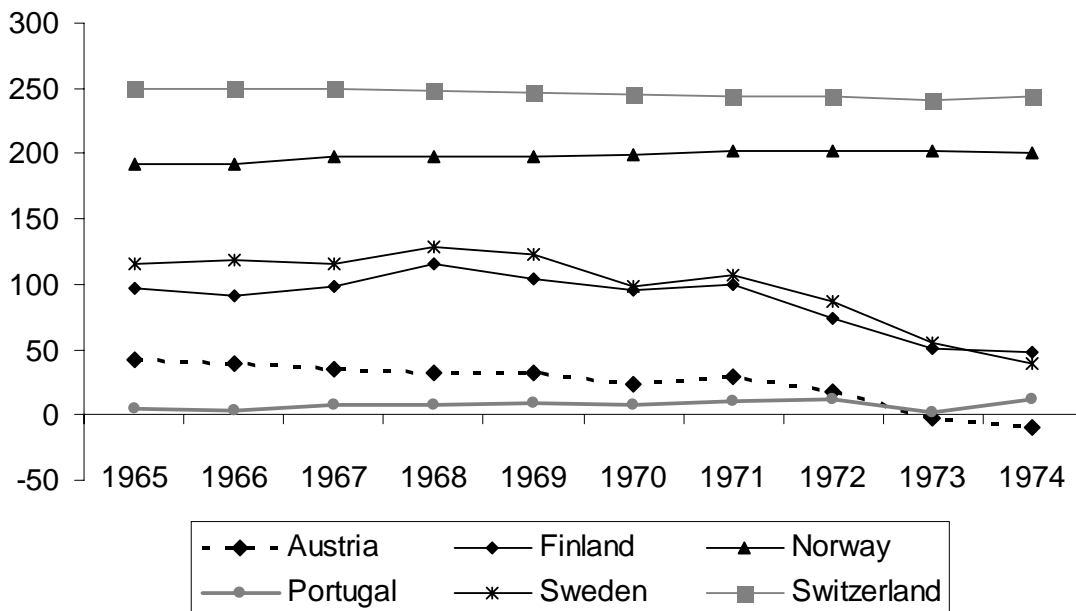
Source: Anderson and Valenzuela (2008), based on author's spreadsheet which draws heavily on OECD (2008) for calculations from 1979

Figure 2: NRAs to agriculture, EU-9 and Western European average, 1965 to 1974  
(percent)

(a) EU-9 members



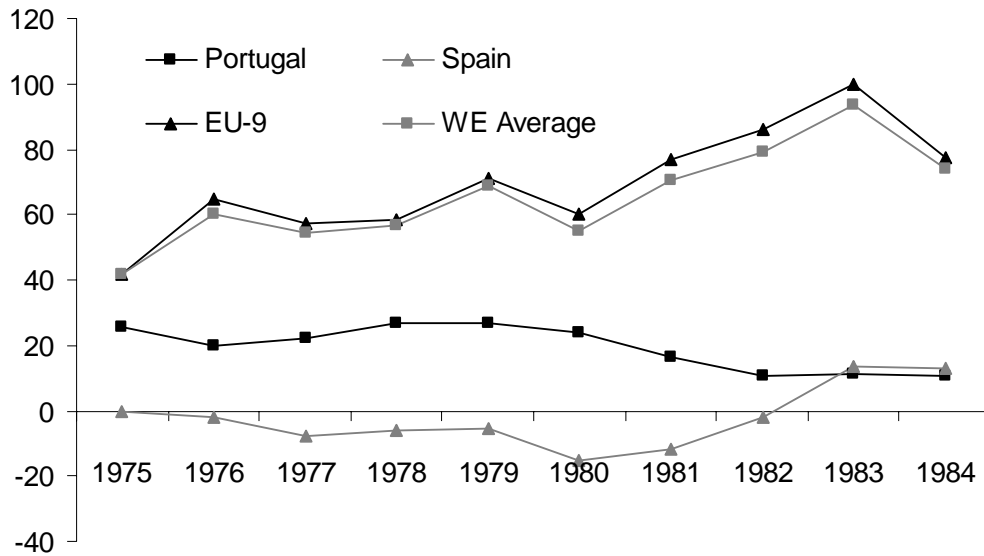
(b) Other Western European countries



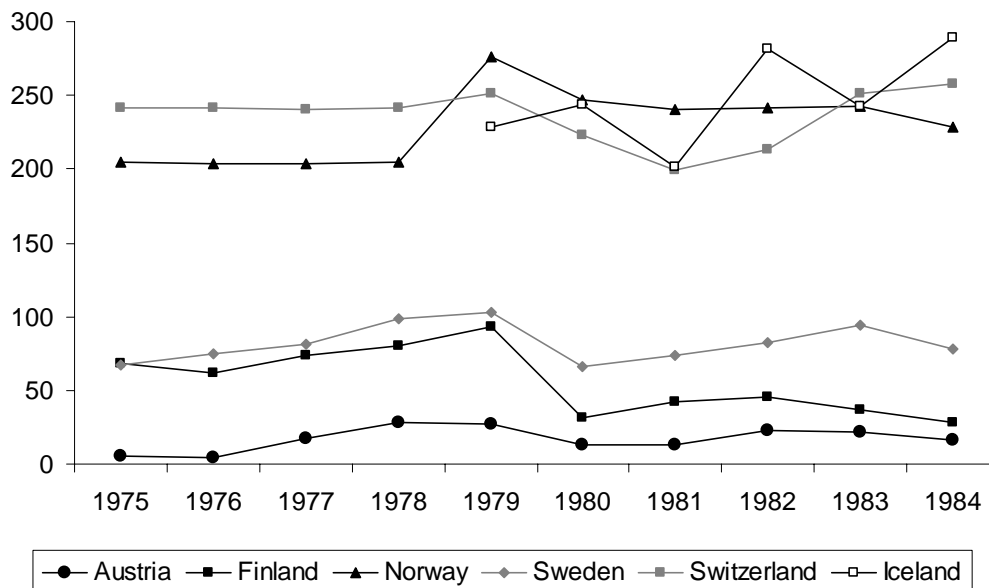
Source: Anderson and Valenzuela (2008), based on author's spreadsheet which draws heavily on OECD (2008) for calculations from 1979

Figure 3: NRAs to agriculture, EU-12 and Western European average, 1975 to 1984  
(percent)

(a) EU-12 members

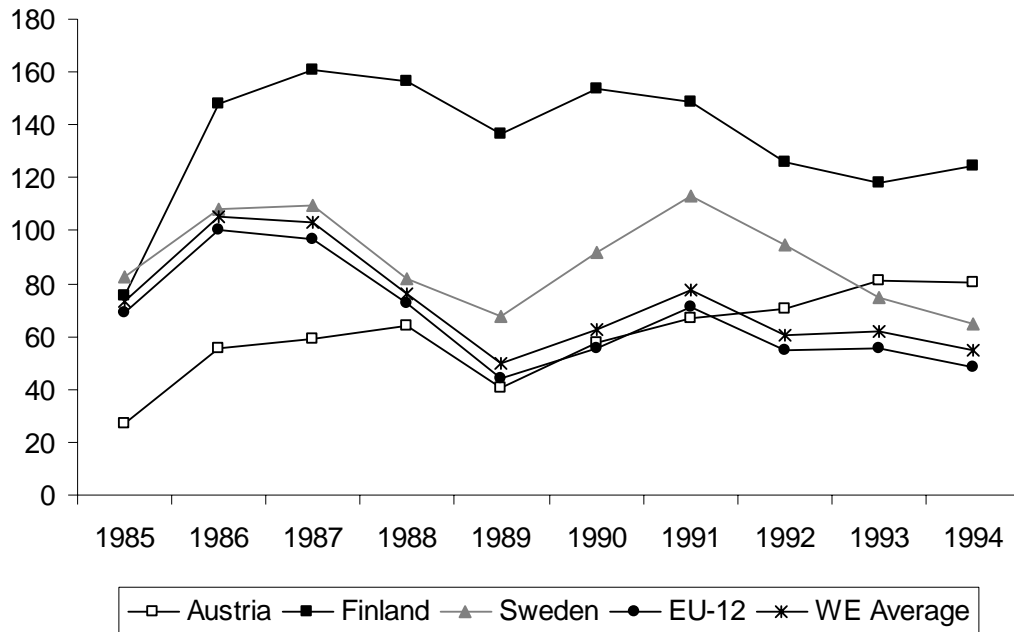


(b) Other Western European countries

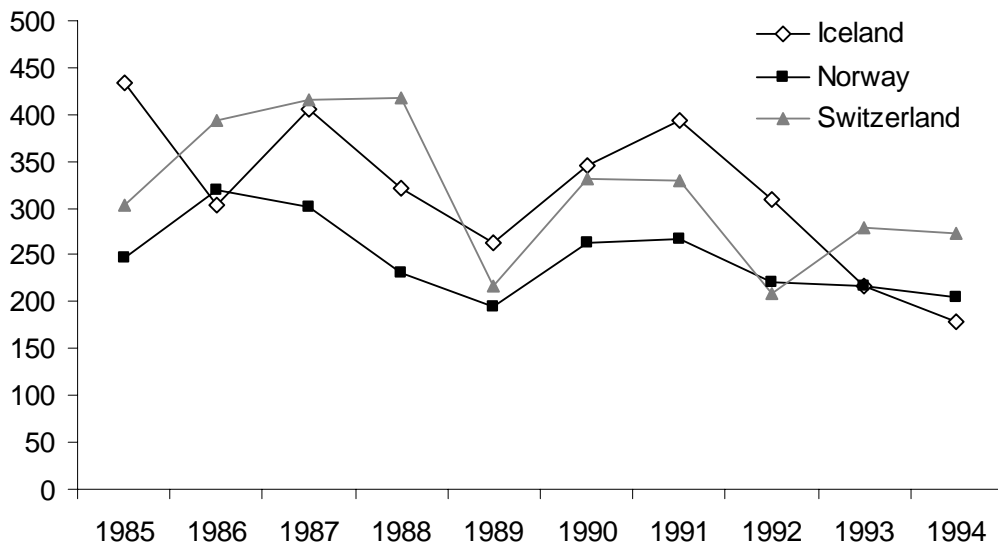


Source: Anderson and Valenzuela (2008), based on author's spreadsheet which draws heavily on OECD (2008) for calculations from 1979

Figure 4: NRAs to agriculture, EU-15 and Western European average, 1985 to 1994  
(a) EU-15 members



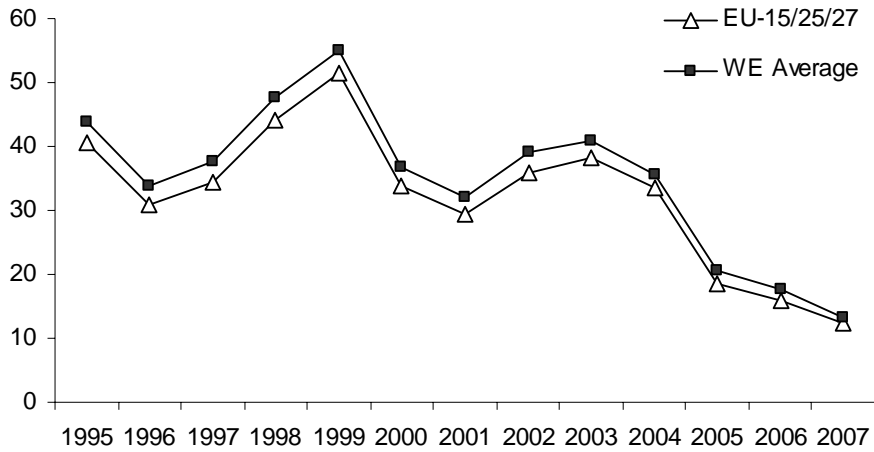
(b) Other Western European countries



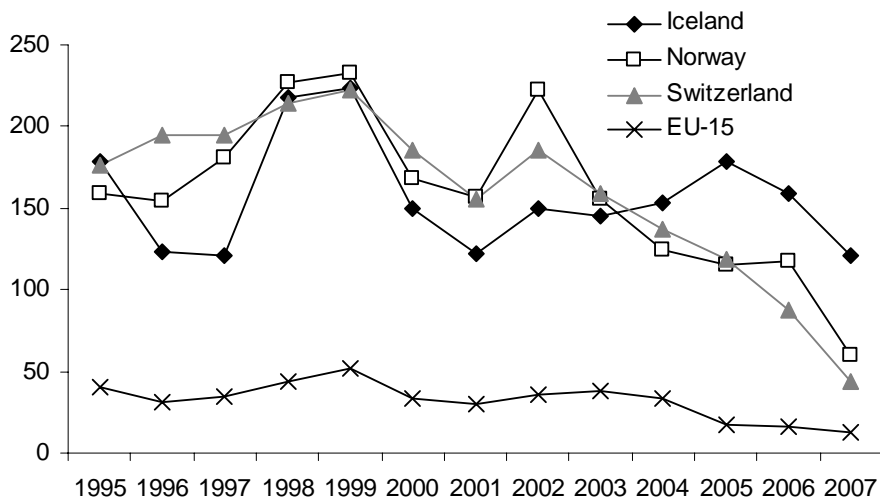
Source: Anderson and Valenzuela (2008), based on author's spreadsheet which draws heavily on OECD (2008) for calculations from 1979

Figure 5: NRAs to agriculture, EU-15/25/27 and Western European average, 1995 to 2007  
(percent)

(a) EU-15 to 2004, then EU25 for 2005-06 and EU27 for 2007, then EU27 for 2007

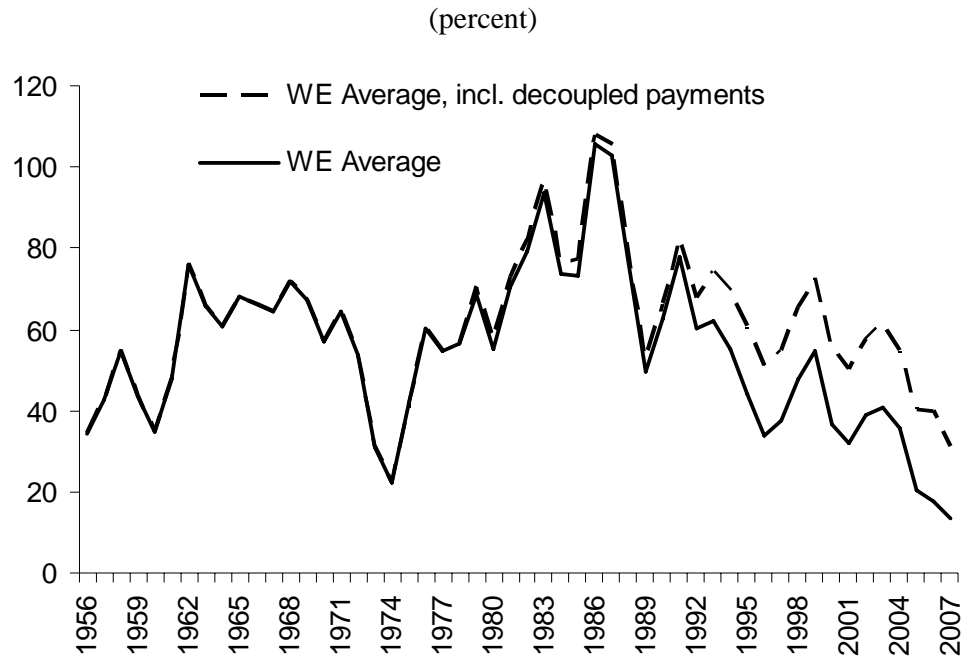


(b) Other Western European countries



Source: Anderson and Valenzuela (2008), based on author's spreadsheet which draws heavily on OECD (2008) for calculations from 1979

Figure 6: NRAs to agriculture without and with decoupled payments, Western Europe, 1956 to 2007

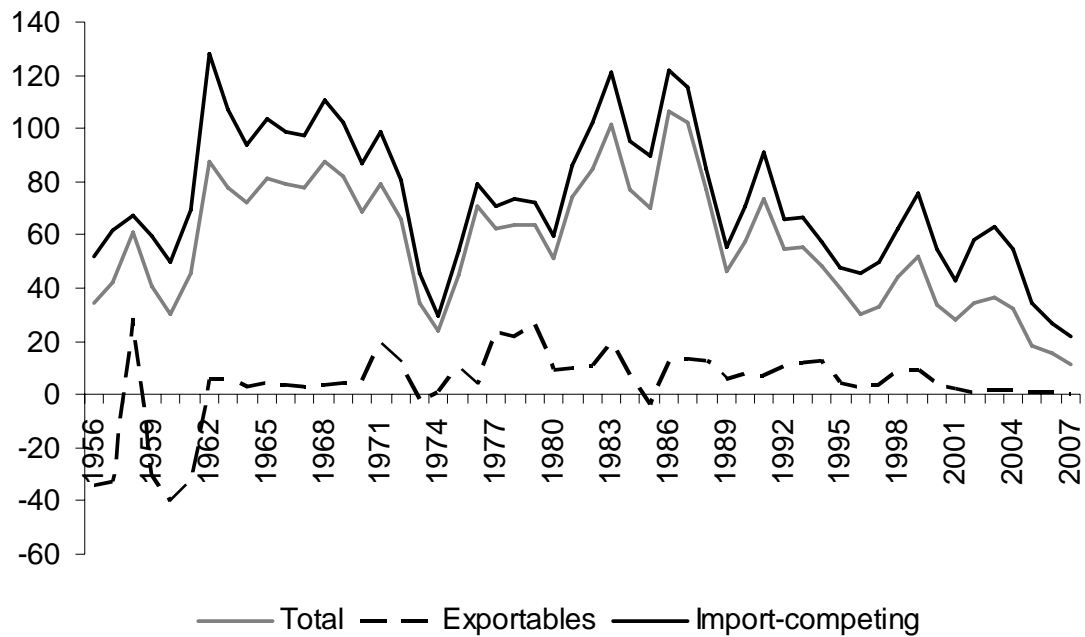


Source: Anderson and Valenzuela (2008), based on author's spreadsheet which draws heavily on OECD (2008) for calculations from 1979

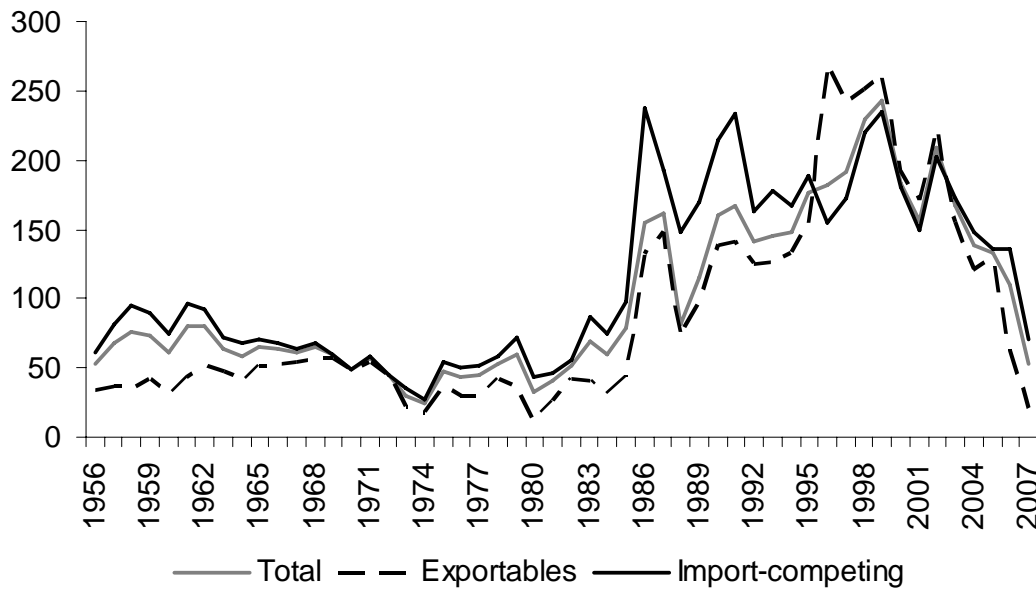


Figure 7: Nominal rates of assistance to exportable, import-competing and all<sup>a</sup> agricultural industries, EU and other Western European countries,<sup>a</sup> 1956 to 2007 (percent)

(a) European Union



(b) Other Western European countries



<sup>a</sup> All non-product-specific assistance is apportioned to tradables. The EU is the original six countries to 1972, then 9 to 1985, then 12 to 1994, then 15 to 2004, then 25 to 2006, then 27 thereafter. The other Western European countries in our study comprise the original 7 EFTA members (Austria, Denmark, Norway, Portugal, Sweden, Switzerland and the UK) plus Finland, Iceland, Ireland and Spain to 1970, then without Denmark, Ireland and the UK from 1973 when they joined the EEC6, then without Portugal and Spain from 1986 when they joined the EC, then without Austria, Finland and Sweden from 1995 when they joined the EU. Source: Anderson and Valenzuela (2008), based on author's spreadsheet which draws heavily on OECD (2008) for calculations from 1979

Table 1: Nominal rates of assistance to agricultural relative to non-agricultural industries, EU-15 and EFTA-3, 1956 to 2007  
(percent)

(a) EU-15 member countries (weighted average)

|                            | 1956-59 | 1960-64 | 1965-69 | 1970-74 | 1975-79 | 1980-84 | 1985-89 | 1990-94 | 1995-99 | 2000-04 | 2005-07 |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Covered products           | 49.0    | 61.9    | 72.4    | 47.3    | 56.3    | 69.9    | 79.8    | 60.8    | 39.8    | 32.9    | 14.7    |
| Non-covered products       | 14.1    | 28.2    | 38.4    | 26.0    | 33.3    | 39.1    | 45.8    | 32.7    | 23.3    | 19.3    | na      |
| All agriculture (excl NPS) | 39.8    | 53.6    | 64.4    | 42.5    | 51.3    | 62.7    | 72.6    | 54.6    | 36.2    | 30.0    | 11.2    |
| All importables            | 56.0    | 74.3    | 80.2    | 52.9    | 58.8    | 76.5    | 84.0    | 63.8    | 50.4    | 48.2    | 28.6    |
| All exportables            | 3.9     | 13.0    | 27.4    | 18.5    | 30.0    | 27.3    | 44.5    | 33.3    | 12.0    | 6.0     | 0.5     |
| All agriculture (incl NPS) | 39.8    | 53.6    | 64.4    | 42.5    | 53.3    | 71.0    | 76.8    | 59.2    | 40.4    | 34.2    | 15.4    |
| Decoupled payments         | 0.0     | 0.0     | 0.0     | 0.0     | 0.2     | 1.7     | 2.3     | 8.1     | 16.7    | 17.9    | 19.5    |
| All agric (incl NPS & dec) | 39.8    | 53.6    | 64.4    | 42.5    | 53.5    | 72.6    | 79.1    | 67.3    | 57.0    | 52.1    | 35.0    |
| All ag tradables (inc NPS) | 39.8    | 53.6    | 64.4    | 42.5    | 53.3    | 71.0    | 76.8    | 59.1    | 40.4    | 34.2    | 15.4    |
| All nonag tradables        | 8.2     | 7.4     | 5.7     | 3.8     | 2.5     | 1.4     | 1.7     | 1.3     | 1.4     | 1.4     | 1.1     |
| RRR <sup>a</sup>           | 29.2    | 43.1    | 55.5    | 37.3    | 49.7    | 68.5    | 73.9    | 57.1    | 38.4    | 32.4    | 14.1    |

Table 1 (continued): Nominal rates of assistance to agricultural relative to non-agricultural industries, EU-15 and EFTA-3, 1956 to 2007  
(percent)

(b) Iceland, Norway and Switzerland (weighted average)

|                             | 1956-59 | 1960-64 | 1965-69 | 1970-74 | 1975-79 | 1980-84 | 1985-89 | 1990-94 | 1995-99 | 2000-04 | 2005-07 |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Covered products            | 256     | 257     | 255     | 252     | 256     | 232     | 339     | 295     | 204     | 171     | 99      |
| Non-covered products        | 169     | 172     | 173     | 179     | 166     | 169     | 150     | 111     | 78      | 64      | 141     |
| All agriculture (excl NPS)  | 228     | 230     | 230     | 230     | 230     | 218     | 282     | 236     | 165     | 137     | 79      |
| All importables             | 220     | 221     | 221     | 220     | 227     | 211     | 262     | 234     | 169     | 149     | 114     |
| All exportables             | 247     | 249     | 249     | 255     | 239     | 240     | 334     | 242     | 159     | 119     | 70      |
| All agriculture (incl NPS)  | 228     | 230     | 230     | 230     | 233     | 233     | 313     | 266     | 197     | 164     | 90      |
| Decoupled payments          | 0       | 0       | 0       | 0       | 11      | 56      | 31      | 32      | 48      | 68      | 68      |
| All agric (incl NPS & dec)  | 228     | 230     | 230     | 230     | 244     | 289     | 344     | 298     | 245     | 233     | 158     |
| All ag tradables (incl NPS) | 228     | 230     | 230     | 230     | 233     | 233     | 313     | 266     | 197     | 164     | 90      |
| All nonag tradables         | 4.0     | 4.3     | 4.2     | 3.0     | 2.5     | 2.1     | 1.8     | 1.9     | 2.1     | 2.1     | 1.6     |
| RRA <sup>a</sup>            | 216     | 216     | 217     | 220     | 225     | 226     | 306     | 259     | 191     | 159     | 87      |

<sup>a</sup> The relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors, respectively.

Source: Anderson and Valenzuela (2008), drawing on authors' spreadsheet.

Table 2: Nominal rates of assistance to covered farm products, European Union,<sup>a</sup> 1956 to 2007  
(percent)

|                                       | 1956-59 | 1960-64 | 1965-69 | 1970-74 | 1975-79 | 1980-84 | 1985-89 | 1990-94 | 1995-99 | 2000-04 | 2005-07 |
|---------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Exportables</b>                    | -17     | -12     | 4       | 7       | 17      | 11      | 8       | 10      | 6       | 2       | 1       |
| Barley                                | nap     | nap     | nap     | 35      | 45      | 14      | nap     | nap     | nap     | 1       | 0       |
| Rapeseed                              | nap     | nap     | nap     | nap     | nap     | nap     | nap     | nap     | 0       | 0       | 0       |
| Rice                                  | -48     | -41     | -1      | -23     | -6      | 2       | 146     | 136     | 34      | 17      | 2       |
| Tomato                                | 9       | 16      | nap     | nap     | nap     | nap     | nap     | 4       | 0       | 1       | 0       |
| Wheat                                 | nap     | nap     | nap     | nap     | nap     | nap     | nap     | nap     | 16      | 4       | 0       |
| Wine                                  | -16     | -13     | 4       | 4       | 4       | 11      | 1       | 11      | 4       | 2       | 1       |
| <b>Import-competing</b>               | 60      | 90      | 103     | 68      | 70      | 93      | 93      | 70      | 56      | 55      | 28      |
| Barley                                | 39      | 59      | 66      | nap     | nap     | nap     | 108     | 104     | 32      | nap     | nap     |
| Beef                                  | 20      | 79      | 62      | 52      | 12      | 120     | 150     | 93      | 100     | 132     | 86      |
| Egg                                   | 28      | 18      | 20      | 1       | 23      | 17      | 22      | 10      | 9       | 1       | 0       |
| Maize                                 | -9      | 24      | 55      | 37      | 56      | 43      | 90      | 89      | 31      | 25      | 19      |
| Milk                                  | 259     | 301     | 314     | 269     | 431     | 335     | 291     | 122     | 87      | 61      | 19      |
| Oat                                   | 3       | 34      | 46      | 20      | 45      | 0       | 37      | 47      | 47      | 23      | 8       |
| Oilseed                               | 55      | 2       | 0       | 0       | 0       | 0       | 109     | 55      | 0       | 0       | 0       |
| Pigmeat                               | 28      | 75      | 139     | 113     | 88      | 111     | 24      | 13      | 25      | 28      | 17      |
| Potato                                | na      | na      | na      | 43      | 90      | 48      | 16      | 16      | 13      | 10      | 10      |
| Poultry                               | 130     | 64      | 54      | 88      | 55      | 75      | 79      | 105     | 81      | 64      | 78      |
| Sheepmeat                             | 170     | 197     | 343     | 340     | 277     | 189     | 164     | 97      | 45      | 38      | 65      |
| Soybean                               | 13      | 11      | na      | 0       | 0       | 0       | 121     | 61      | 0       | 0       | 0       |
| Sugar                                 | 137     | 121     | 295     | 23      | 131     | 140     | 227     | 162     | 167     | 191     | 111     |
| Wheat                                 | 11      | 52      | 67      | 5       | 2       | 38      | 84      | 75      | nap     | nap     | nap     |
| <b>All covered</b>                    | 44      | 63      | 82      | 54      | 61      | 78      | 81      | 58      | 40      | 33      | 15      |
| Domestic market support               | 0       | 0       | 0       | 0       | 0       | 0       | 3       | 2       | 0       | 0       | 0       |
| Border market support                 | 44      | 63      | 82      | 54      | 61      | 78      | 77      | 56      | 40      | 33      | 15      |
| Dispersion of NRA of covered products | 81      | 85      | 120     | 99      | 116     | 90      | 82      | 51      | 45      | 53      | 38      |
| % coverage at undistorted prices      | 74      | 77      | 78      | 80      | 79      | 78      | 78      | 78      | 79      | 79      | 74      |

<sup>a</sup> Weighted averages, with weights based on the unassisted value of production. Dispersion is the standard deviation shown is the simple 5-year average of the annual standard deviation around the weighted mean. The EU is the original six countries to 1972, then 9 to 1985, then 12 to 1994, then 15 to 2004, then 25 to 2006, then 27 thereafter.  
Source: Anderson and Valenzuela (2008), drawing on authors' spreadsheet.

Table 3: Nominal rates of assistance to covered farm products, non-EU Western European countries,<sup>a</sup> 1956 to 2007

|                                       | (percent) |         |         |         |         |         |         |         |         |         |         |
|---------------------------------------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                                       | 1956-59   | 1960-64 | 1965-69 | 1970-74 | 1975-79 | 1980-84 | 1985-89 | 1990-94 | 1995-99 | 2000-04 | 2005-07 |
| Barley                                | 36        | 39      | 29      | 18      | 34      | 5       | 223     | 219     | 186     | 105     | 76      |
| Beef                                  | 65        | 81      | 29      | 59      | 130     | 186     | 161     | 166     | 174     | 225     | 149     |
| Egg                                   | -64       | -69     | -71     | 80      | 321     | 328     | 145     | 148     | 296     | 161     | 186     |
| Maize                                 | 91        | 53      | 47      | 34      | 48      | 34      | 51      | 89      | 124     | 89      | 64      |
| Milk                                  | 259       | 275     | 251     | 262     | 301     | 223     | 227     | 240     | 242     | 181     | 73      |
| Oat                                   | 23        | 48      | 71      | 58      | 132     | 34      | 103     | 115     | 154     | 113     | 83      |
| Oilseed                               | 28        | 18      | 14      | 8       | 7       | 14      | 58      | 126     | 334     | 260     | 287     |
| Pigmeat                               | 51        | 63      | 74      | 38      | 12      | 45      | 71      | 82      | 180     | 172     | 116     |
| Potato                                | 130       | 144     | 167     | 59      | 63      | 63      | 38      | 35      | na      | na      | na      |
| Poultry                               | 56        | 52      | 25      | 101     | 188     | 207     | 104     | 74      | 370     | 437     | 383     |
| Rice                                  | -18       | -25     | -14     | -29     | -21     | -12     | 52      | na      | na      | na      | na      |
| Sheepmeat                             | 110       | 81      | 78      | 64      | 75      | 80      | 168     | 170     | 101     | 68      | 51      |
| Soybean                               | na        | na      | na      | -28     | 25      | 30      | 13      | na      | na      | na      | na      |
| Sugar                                 | 265       | 253     | 446     | 47      | 126     | 121     | 250     | 198     | 233     | 255     | 173     |
| Tomato                                | 0         | 0       | 0       | 5       | 4       | 4       | 4       | na      | na      | na      | na      |
| Wheat                                 | 29        | 42      | 43      | 7       | 14      | 46      | 126     | 170     | 195     | 91      | 61      |
| Wine                                  | 0         | 0       | 0       | 0       | 0       | 0       | 0       | 0       | na      | na      | na      |
| Wool                                  | na        | na      | na      | na      | 124     | 36      | 78      | 207     | 187     | 167     | 207     |
| <b>Exportables</b>                    | 37        | 43      | 55      | 37      | 35      | 30      | 98      | 133     | 236     | 172     | 70      |
| <b>Import-competing</b>               | 82        | 81      | 66      | 43      | 57      | 61      | 169     | 191     | 194     | 171     | 114     |
| <b>All covered</b>                    | 68        | 69      | 63      | 41      | 50      | 51      | 119     | 152     | 204     | 171     | 99      |
| Domestic market support               | 0         | 0       | 0       | 0       | 2       | 12      | -20     | -17     | 7       | 12      | 11      |
| Border market support                 | 68        | 69      | 63      | 41      | 46      | 33      | 138     | 169     | 198     | 159     | 88      |
| Dispersion of NRA of covered products | 90        | 91      | 125     | 67      | 109     | 103     | 81      | 73      | 84      | 105     | 112     |
| % coverage at undistorted prices      | 73        | 73      | 74      | 75      | 74      | 75      | 86      | 75      | 69      | 69      | 80      |

<sup>a</sup> Weighted averages, with weights based on the unassisted value of production. Dispersion is the standard deviation shown is the simple 5-year average of the annual standard deviation around the weighted mean. The other Western European countries in our study comprise the original 7 EFTA members (Austria, Denmark, Norway, Portugal, Sweden, Switzerland and the UK) plus Finland, Iceland, Ireland and Spain to 1970, then without Denmark, Ireland and the UK from 1973 when they joined the EEC6, then without Portugal and Spain from 1986 when they joined the EC, then without Austria, Finland and Sweden from 1995 when they joined the EU.

Source: Anderson and Valenzuela (2008), drawing on author's spreadsheet.

Table 4: Nominal rates of assistance to all agriculture,<sup>a</sup> individual Western European countries,<sup>a</sup> 1956 to 2007  
(percent)

|                                      | 1956-59 | 1960-64 | 1965-69 | 1970-74 | 1975-79 | 1980-84 | 1985-89 | 1990-94 | 1995-99 | 2000-04 | 2005-07 |
|--------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Austria                              | 25      | 33      | 36      | 12      | 17      | 17      | 49      | 71      | 45      | 41      | 19      |
| Denmark                              | 29      | 33      | 37      | 37      | 78      | 86      | 81      | 54      | 41      | 34      | 15      |
| Finland                              | 81      | 93      | 101     | 73      | 75      | 37      | 136     | 134     | 52      | 41      | 17      |
| France                               | 41      | 49      | 70      | 43      | 50      | 74      | 82      | 64      | 40      | 33      | 15      |
| Germany                              | 52      | 83      | 99      | 63      | 68      | 89      | 83      | 62      | 46      | 38      | 16      |
| Iceland                              | na      | na      | na      | na      | 229     | 252     | 346     | 289     | 173     | 144     | 153     |
| Ireland                              | 20      | 41      | 49      | 43      | 84      | 117     | 132     | 83      | 67      | 62      | 34      |
| Italy                                | 5       | 30      | 48      | 32      | 37      | 61      | 60      | 46      | 32      | 27      | 11      |
| Netherlands                          | 43      | 78      | 104     | 80      | 89      | 107     | 80      | 53      | 48      | 42      | 21      |
| Norway                               | 188     | 193     | 196     | 201     | 219     | 240     | 259     | 235     | 191     | 165     | 98      |
| Portugal                             | -6      | 4       | 7       | 9       | 24      | 15      | 41      | 37      | 28      | 26      | 15      |
| Spain                                | 13      | 14      | 12      | -2      | -4      | -1      | 53      | 44      | 31      | 26      | 14      |
| Sweden                               | 87      | 113     | 120     | 77      | 85      | 79      | 90      | 88      | 48      | 41      | 18      |
| Switzerland                          | 253     | 251     | 249     | 244     | 243     | 229     | 349     | 285     | 201     | 165     | 83      |
| UK                                   | 65      | 60      | 43      | 32      | 68      | 83      | 95      | 70      | 47      | 40      | 20      |
| <b>Total Western Europe, wted av</b> | 44      | 57      | 68      | 46      | 56      | 74      | 82      | 64      | 44      | 37      | 17      |
| EU countries <sup>c</sup>            | 40      | 54      | 64      | 43      | 53      | 71      | 77      | 59      | 40      | 34      | 15      |
| Other Western Europe <sup>c</sup>    | 228     | 230     | 230     | 230     | 233     | 233     | 313     | 266     | 197     | 164     | 90      |

<sup>a</sup> Weighted averages, with weights based on the unassisted value of production. Dispersion is the standard deviation shown is the simple 5-year average of the annual standard deviation around the weighted mean. The other Western European countries in our study comprise the original 7 EFTA members (Austria, Denmark, Norway, Portugal, Sweden, Switzerland and the UK) plus Finland, Iceland, Ireland and Spain to 1970, then without Denmark, Ireland and the UK from 1973 when they joined the EEC6, then without Portugal and Spain from 1986 when they joined the EC, then without Austria, Finland and Sweden from 1995 when they joined the EU. For 2005-07, the 'EU members' and 'Total Western Europe' aggregates also include the most recent 12 that joined the EU in May 2004 and January 2007.

Source: Anderson and Valenzuela (2008) based on author's spreadsheet.

Table 5: Gross subsidy equivalents of assistance to farmers, total, per farm worker and by product, Western European countries,<sup>a</sup> 1956 to 2007

(a) Total (constant 2000 US\$ million)

|                                   | 1956-59      | 1960-64      | 1965-69      | 1970-74      | 1975-79       | 1980-84       | 1985-89       | 1990-94       | 1995-99      | 2000-04      | 2005-07      |
|-----------------------------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|
| Austria                           | 422          | 566          | 651          | 192          | 462           | 440           | 8184          | 3108          | 1715         | 1338         | 541          |
| Denmark                           | 1439         | 1667         | 1983         | 2403         | 5719          | 5660          | 4133          | 3804          | 2565         | 1920         | 888          |
| Finland                           | 1219         | 1416         | 1820         | 1733         | 2185          | 932           | 3644          | 3685          | 1000         | 730          | 287          |
| France                            | 9866         | 14437        | 22418        | 17393        | 26423         | 31314         | 26608         | 25399         | 15707        | 11012        | 5225         |
| Germany                           | 8735         | 18158        | 25895        | 21893        | 32312         | 33297         | 24905         | 21113         | 13869        | 10125        | 3975         |
| Iceland                           | na           | na           | na           | na           | 314           | 246           | 245           | 177           | 113          | 96           | 123          |
| Ireland                           | 254          | 572          | 710          | 1235         | 3744          | 4026          | 3553          | 3421          | 2646         | 2035         | 837          |
| Italy                             | 651          | 6596         | 11772        | 8903         | 13826         | 17067         | 13585         | 13061         | 8728         | 6257         | 2646         |
| Netherlands                       | 1812         | 3778         | 5634         | 6153         | 9735          | 10432         | 7083          | 6695          | 5228         | 3593         | 1483         |
| Norway                            | 1432         | 1497         | 1710         | 1924         | 2898          | 2876          | 3061          | 3437          | 2566         | 1836         | 1208         |
| Portugal                          | -58          | 70           | 170          | 295          | 858           | 416           | 1218          | 1579          | 1194         | 924          | 509          |
| Spain                             | 841          | 911          | 919          | -816         | -741          | -604          | 8792          | 9431          | 6446         | 5440         | 3372         |
| Sweden                            | 2573         | 3323         | 3832         | 3050         | 4229          | 3363          | 3180          | 3096          | 1499         | 1047         | 413          |
| Switzerland                       | 3148         | 3486         | 3981         | 5130         | 5599          | 5817          | 6491          | 6541          | 4438         | 3014         | 1945         |
| UK                                | 8937         | 9177         | 7181         | 6915         | 16530         | 17597         | 14013         | 12752         | 8138         | 5498         | 2411         |
| <b>Total, Western Europe</b>      | <b>41271</b> | <b>65653</b> | <b>88676</b> | <b>76403</b> | <b>124095</b> | <b>132880</b> | <b>128695</b> | <b>117300</b> | <b>75850</b> | <b>54866</b> | <b>31173</b> |
| EU members <sup>a</sup>           | 21065        | 42969        | 65718        | 54342        | 108415        | 119393        | 103890        | 97256         | 68734        | 49920        | 27618        |
| Other Western Europe <sup>a</sup> | 20206        | 22685        | 22957        | 22061        | 15680         | 13487         | 24805         | 20044         | 7116         | 4946         | 3555         |

Table 5 (continued): Gross subsidy equivalents of assistance to farmers, total, per farm worker and by product, Western European countries,<sup>a</sup> 1956 to 2007

(b) Per person engaged in agriculture (constant 2000 US\$)

|                                   | 1961-64 | 1965-69 | 1970-74 | 1975-79 | 1980-84 | 1985-89 | 1990-94 | 1995-99 | 2000-04 | 2005-07 |
|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Austria                           | 805     | 1161    | 409     | 1257    | 1361    | 28429   | 12023   | 7947    | 7661    | 3468    |
| Denmark                           | 5240    | 6627    | 10339   | 26813   | 30680   | 24401   | 25217   | 20676   | 18950   | 9865    |
| Finland                           | 2820    | 3853    | 4267    | 6547    | 3340    | 15411   | 18224   | 6160    | 5659    | 2540    |
| France                            | 4285    | 6571    | 6223    | 11736   | 16887   | 17304   | 20111   | 15437   | 13678   | 7412    |
| Germany                           | 4303    | 6894    | 7235    | 11707   | 13875   | 13252   | 14324   | 11891   | 11069   | 4938    |
| Iceland                           | na      | na      | na      | 24186   | 19696   | 17016   | 11597   | 8195    | 7529    | 10223   |
| Ireland                           | 1752    | 2169    | 5026    | 14801   | 17647   | 17261   | 18759   | 15662   | 12680   | 5363    |
| Italy                             | 1445    | 2514    | 2350    | 4373    | 6288    | 5825    | 6731    | 5632    | 5176    | 2524    |
| Netherlands                       | 10230   | 15336   | 18827   | 30384   | 33320   | 22665   | 22195   | 19561   | 15434   | 6928    |
| Norway                            | 5992    | 7945    | 10489   | 17122   | 18461   | 21634   | 26848   | 22641   | 18274   | 12988   |
| Portugal                          | 39      | 143     | 276     | 765     | 357     | 839     | 1925    | 1668    | 1492    | 891     |
| Spain                             | 182     | 230     | -255    | -259    | -218    | 2973    | 5303    | 4364    | 4418    | 3024    |
| Sweden                            | 8365    | 10773   | 10105   | 15409   | 13520   | 14501   | 15848   | 8999    | 7422    | 3200    |
| Switzerland                       | 13128   | 16193   | 23432   | 27951   | 30661   | 33093   | 34182   | 25954   | 19938   | 13796   |
| UK                                | 10358   | 8954    | 10507   | 23461   | 25825   | 22013   | 21525   | 14852   | 10863   | 4971    |
| <b>Total, Western Europe</b>      | 2957    | 4258    | 4433    | 8164    | 10089   | 11392   | 12425   | 9612    | 8369    | 2471    |
| EU members <sup>a</sup>           | 3323    | 5348    | 5501    | 11090   | 14295   | 10193   | 11504   | 9051    | 7935    | 2256    |
| Other Western Europe <sup>a</sup> | 2395    | 2689    | 2999    | 2908    | 2799    | 22448   | 20325   | 23927   | 18664   | 13316   |



Table 5 (continued): Gross subsidy equivalents of assistance to farmers, total, per farm worker and by product, Western European countries,<sup>a</sup> 1956 to 2007

(c) by product (constant 2000 \$US millions)

|                                   | 1956-59      | 1960-64      | 1965-69      | 1970-74      | 1975-79       | 1980-84      | 1985-89       | 1990-94      | 1995-99      | 2000-04      | 2005-07      |
|-----------------------------------|--------------|--------------|--------------|--------------|---------------|--------------|---------------|--------------|--------------|--------------|--------------|
| Barley                            | 1649         | 2866         | 3627         | 2072         | 5456          | 1707         | 6532          | 6361         | 1621         | 120          | 50           |
| Beef                              | 2529         | 7192         | 7950         | 7914         | 6252          | 13145        | 19075         | 16169        | 12144        | 9877         | 6177         |
| Egg                               | -604         | -817         | -534         | -893         | 1808          | 1436         | 1673          | 1037         | 571          | 130          | 123          |
| Maize                             | 57           | 557          | 1323         | 1396         | 2715          | 2204         | 3589          | 3297         | 1394         | 1036         | 1020         |
| Milk                              | 20793        | 23917        | 28101        | 31074        | 45150         | 41790        | 37896         | 32811        | 22919        | 15418        | 2822         |
| Oat                               | 405          | 1229         | 1611         | 1081         | 2027          | 229          | 812           | 849          | 335          | 144          | 70           |
| Oilseed                           | 83           | 23           | 27           | 29           | 84            | 66           | 2833          | 1899         | 44           | 32           | 41           |
| Pigmeat                           | 3936         | 8899         | 14823        | 14400        | 15941         | 15699        | 7011          | 4732         | 5175         | 5401         | 4051         |
| Potato                            | 2653         | 2804         | 2841         | 2518         | 5846          | 2802         | 1127          | 1221         | 912          | 465          | 735          |
| Poultry                           | 1863         | 1973         | 1987         | 3229         | 3717          | 4060         | 4337          | 5687         | 4492         | 3424         | 4042         |
| Rice                              | -246         | -267         | -62          | -578         | -126          | -104         | 529           | 598          | 220          | 84           | 12           |
| Sheepmeat                         | 1194         | 1562         | 1997         | 3195         | 5274          | 4064         | 3163          | 2581         | 1432         | 1087         | 1458         |
| Soybean                           | 0            | 0            | na           | -2           | 2             | 1            | 571           | 337          | 0            | 0            | 0            |
| Sugar                             | 2354         | 2433         | 4151         | -518         | 4772          | 4087         | 5091          | 4807         | 4229         | 3232         | 1351         |
| Tomato                            | 44           | 387          | 710          | 1046         | 1539          | 1345         | 887           | 356          | 44           | 75           | 0            |
| Wheat                             | 1706         | 4943         | 6559         | -1229        | 304           | 6465         | 9849          | 9114         | 2039         | 546          | 126          |
| Wine                              | -1630        | -998         | 568          | 681          | 664           | 847          | 399           | 1707         | 721          | 240          | 267          |
| Wool                              | na           | na           | na           | na           | 26            | 2            | 18            | 16           | 11           | 8            | 9            |
| <b>Total, Western Europe</b>      | <b>36784</b> | <b>56703</b> | <b>75678</b> | <b>65415</b> | <b>101451</b> | <b>99844</b> | <b>105391</b> | <b>93581</b> | <b>58303</b> | <b>41319</b> | <b>21916</b> |
| EU members <sup>a</sup>           | 19158        | 36948        | 55749        | 47291        | 88543         | 88805        | 84016         | 77079        | 53218        | 37773        | 19033        |
| Other Western Europe <sup>a</sup> | 17626        | 19755        | 19929        | 18124        | 12908         | 11038        | 21375         | 16502        | 5086         | 3546         | 2883         |

Source: Anderson and Valenzuela (2008) based on author's spreadsheet.

<sup>a</sup>The EU is the original six countries to 1972, then 9 to 1985, then 12 to 1994, then 15 to 2004, then 27 thereafter. The EFTA countries are the original 7 to 1970, then 8 with Iceland to 1972, then 6 from 1973 (when the UK and Denmark joined the EEC) to 1985, then 5 from 1986 (when Portugal joined the EC) to 1994, then 3 after Austria, Finland and Sweden joined the EU in 1995. For 2005-07, the 'EU members' and 'Total Western Europe' aggregates also include the most recent 12 that joined the EU in May 2004 and January 2007.

Table 6: Consumer tax equivalents of policies assisting farmers, covered products, total and per capita and by product, Western European countries, <sup>a</sup> 1956 to 2007

(a) Aggregate CTE by country (percent)

|                                   | 1956-59 | 1960-64 | 1965-69 | 1970-74 | 1975-79 | 1980-84 | 1985-89 | 1990-94 | 1995-99 | 2000-04 | 2005-07 |
|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Austria                           | 74      | 88      | 77      | 22      | 24      | 22      | 63      | 88      | 39      | 35      | 17      |
| Denmark                           | 42      | 44      | 39      | 41      | 95      | 79      | 70      | 48      | 38      | 32      | 12      |
| Finland                           | 113     | 123     | 132     | 91      | 93      | 45      | 202     | 201     | 46      | 40      | 17      |
| France                            | 49      | 52      | 75      | 50      | 54      | 76      | 61      | 45      | 34      | 30      | 15      |
| Germany                           | 65      | 95      | 107     | 67      | 67      | 82      | 59      | 41      | 35      | 30      | 13      |
| Iceland                           | na      | na      | na      | na      | 42      | 72      | 272     | 210     | 117     | 95      | 104     |
| Ireland                           | 25      | 38      | 45      | 43      | 125     | 126     | 115     | 73      | 56      | 46      | 20      |
| Italy                             | 5       | 33      | 52      | 35      | 37      | 58      | 46      | 35      | 29      | 26      | 10      |
| Netherlands                       | 52      | 89      | 118     | 82      | 96      | 111     | 83      | 56      | 47      | 38      | 18      |
| Norway                            | 272     | 282     | 285     | 276     | 230     | 70      | 93      | 116     | 114     | 111     | 85      |
| Portugal                          | -1      | 11      | 18      | 11      | 34      | 21      | 37      | 33      | 25      | 24      | 16      |
| Spain                             | 19      | 20      | 19      | -4      | 0       | 5       | 36      | 30      | 24      | 21      | 13      |
| Sweden                            | 104     | 106     | 134     | 76      | 108     | 90      | 124     | 109     | 46      | 44      | 23      |
| Switzerland                       | 275     | 271     | 261     | 253     | 223     | 97      | 245     | 215     | 143     | 144     | 83      |
| UK                                | 69      | 65      | 46      | 34      | 71      | 89      | 77      | 54      | 44      | 40      | 22      |
| <b>Total, Western Europe</b>      | 53      | 65      | 74      | 49      | 59      | 70      | 65      | 49      | 37      | 33      | 17      |
| EU members <sup>a</sup>           | 42      | 62      | 80      | 54      | 60      | 78      | 59      | 42      | 34      | 30      | 15      |
| Other Western Europe <sup>a</sup> | 72      | 70      | 62      | 39      | 51      | 37      | 119     | 141     | 133     | 131     | 84      |

Table 6 (continued): Consumer tax equivalents of policies assisting farmers, covered products, total and per capita and by product, Western European countries,<sup>a</sup> 1956 to 2007

(b) Total CTE per capita (constant 2000 US\$)

|                                   | 1960-64    | 1965-69    | 1970-74    | 1975-79    | 1980-84    | 1985-89    | 1990-94    | 1995-99    | 2000-04    | 2005-07   |
|-----------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|
| Austria                           | 95         | 95         | 26         | 54         | 44         | 1026       | 354        | 145        | 108        | 46        |
| Denmark                           | 220        | 211        | 276        | 624        | 498        | 343        | 299        | 221        | 165        | 55        |
| Finland                           | 291        | 353        | 327        | 413        | 181        | 699        | 665        | 717        | 525        | 207       |
| France                            | 246        | 353        | 283        | 380        | 367        | 259        | 229        | 159        | 115        | 55        |
| Germany                           | 235        | 311        | 261        | 362        | 330        | 211        | 157        | 110        | 82         | 33        |
| Iceland                           | na         | na         | na         | 1070       | 969        | 937        | 465        | 310        | 277        | 379       |
| Ireland                           | 94         | 114        | 252        | 792        | 696        | 495        | 435        | 299        | 221        | 65        |
| Italy                             | 125        | 218        | 165        | 226        | 243        | 178        | 162        | 117        | 87         | 33        |
| Netherlands                       | 228        | 322        | 290        | 439        | 408        | 271        | 245        | 188        | 129        | 48        |
| Norway                            | 319        | 367        | 446        | 593        | 333        | 374        | 447        | 326        | 241        | 226       |
| Portugal                          | 19         | 41         | 29         | 121        | 58         | 107        | 134        | 105        | 84         | 48        |
| Spain                             | 32         | 34         | -29        | 0          | 6          | 146        | 150        | 108        | 89         | 56        |
| Sweden                            | 256        | 346        | 254        | 457        | 311        | 303        | 284        | 138        | 119        | 52        |
| Switzerland                       | 708        | 704        | 843        | 790        | 627        | 820        | 792        | 486        | 354        | 266       |
| UK                                | 185        | 135        | 136        | 302        | 272        | 188        | 157        | 111        | 86         | 41        |
| <b>Total, Western Europe</b>      | <b>162</b> | <b>205</b> | <b>198</b> | <b>306</b> | <b>276</b> | <b>226</b> | <b>207</b> | <b>138</b> | <b>103</b> | <b>46</b> |
| EU members <sup>a</sup>           | 161        | 232        | 240        | 339        | 319        | 209        | 178        | 128        | 96         | 41        |
| Other Western Europe <sup>a</sup> | 165        | 156        | 119        | 193        | 128        | 293        | 488        | 422        | 310        | 254       |

Source: Anderson and Valenzuela (2008) based on author's spreadsheet.

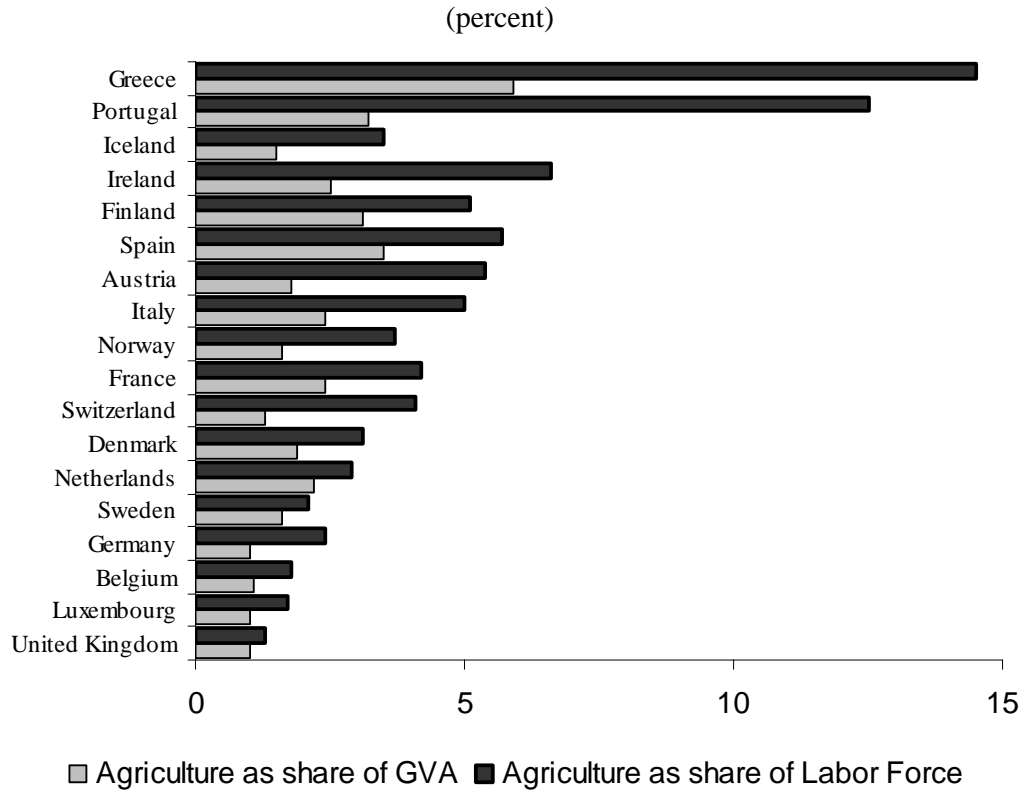
<sup>a</sup>The EU is the original six countries to 1972, then 9 to 1985, then 12 to 1994, then 15 to 2004, then 27 thereafter. The EFTA countries are the original 7 to 1970, then 8 with Iceland to 1972, then 6 from 1973 (when the UK and Denmark joined the EEC) to 1985, then 5 from 1986 (when Portugal joined the EC) to 1994, then 3 after Austria, Finland and Sweden joined the EU in 1995. For 2005-07, the 'EU members' and 'Total Western Europe' aggregates also include the most recent 12 that joined the EU in May 2004 and January 2007.

## **Appendix:**

### **Annual estimates of rates of assistance, Western European countries, 1956 to 2007**

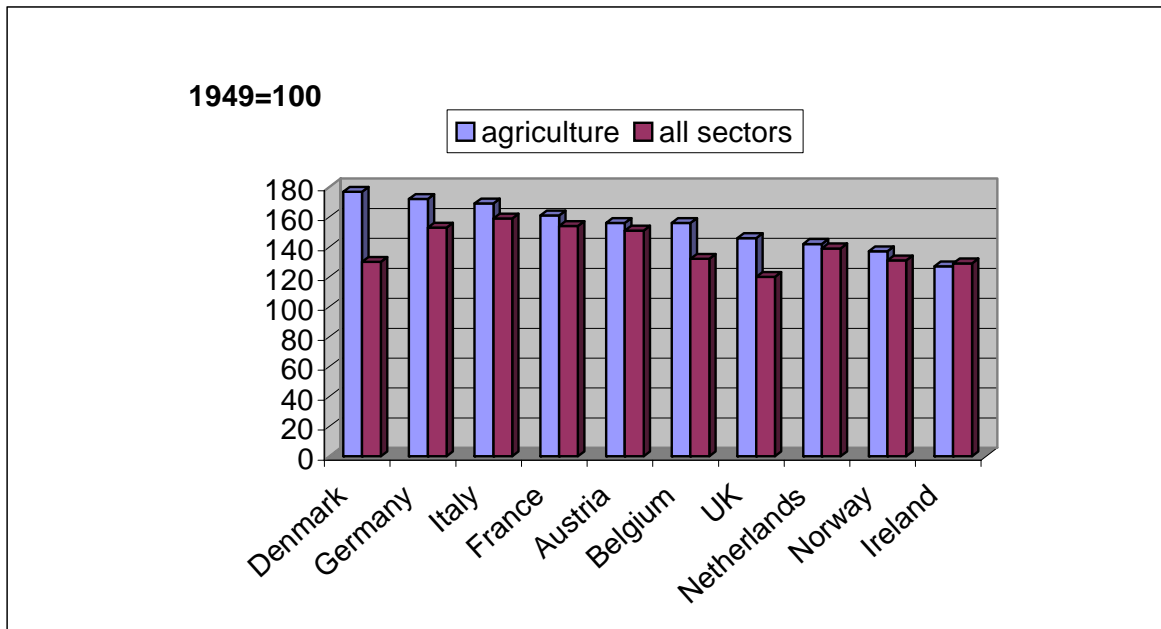
Compiled with the assistance of Uli Kleinwechter and Teresa Rojas Lara of Humboldt University and, at the University of Adelaide, Kym Anderson, Johanna Croser, Esteban Jara, Signe Nelgen and Ernesto Valenzuela

Appendix Figure 1: Agriculture's shares of national GDP and employment, Western European countries, 2003-05



Source: World Bank (2007)

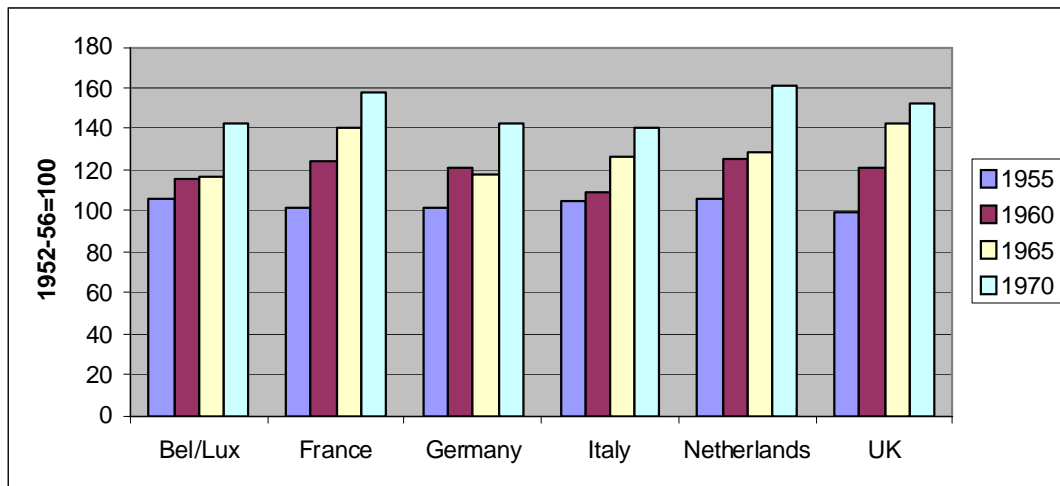
Appendix Figure 2: Increase in farm and non-farm output per person, Western European countries, 1949 to 1959



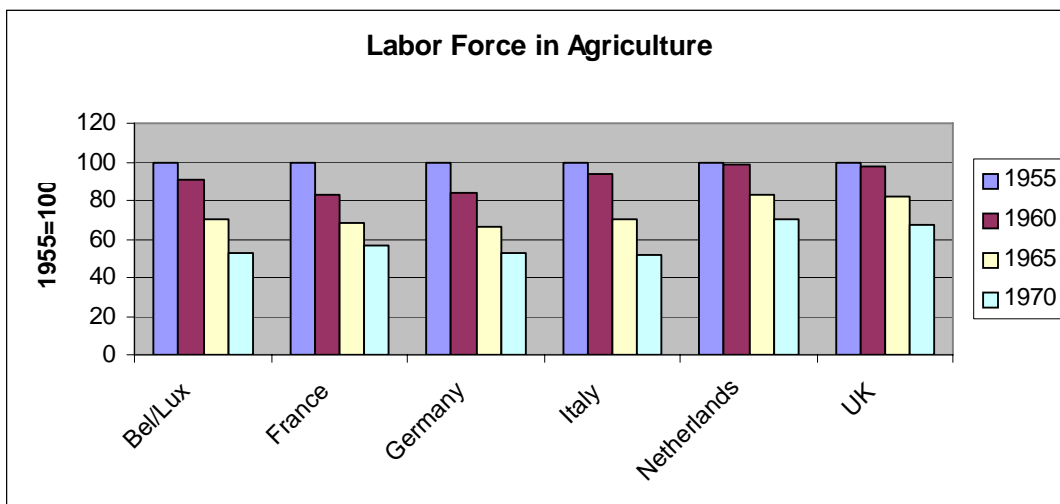
Source: Ingersent and Rayner (1999)

Appendix Figure 3: Agricultural productivity growth and farm employment decline, Western European countries, 1955 to 1970

(a) Agricultural productivity growth (1952-56 = 100)



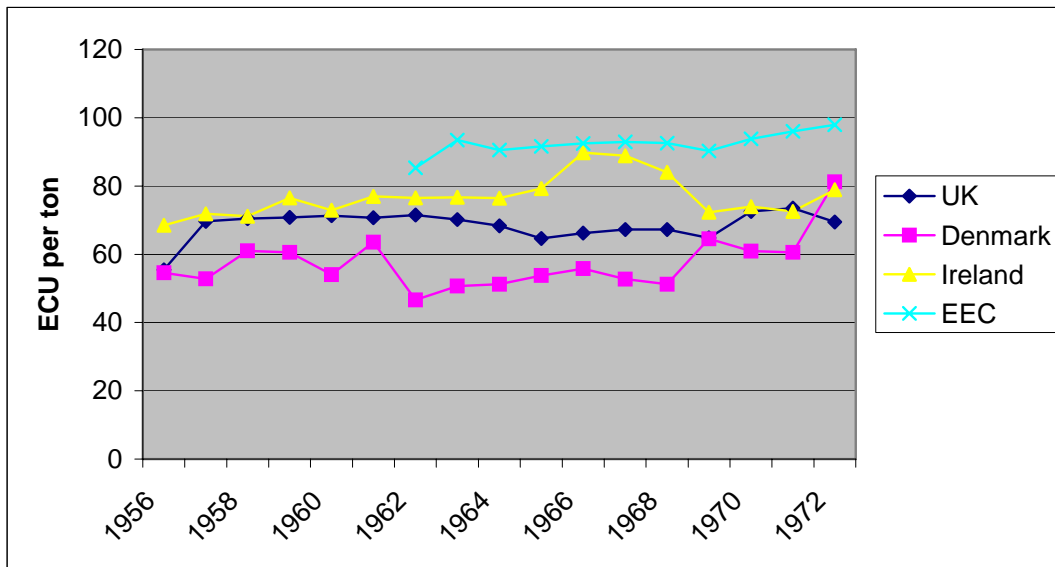
(b) Farm employment (1955 = 100)



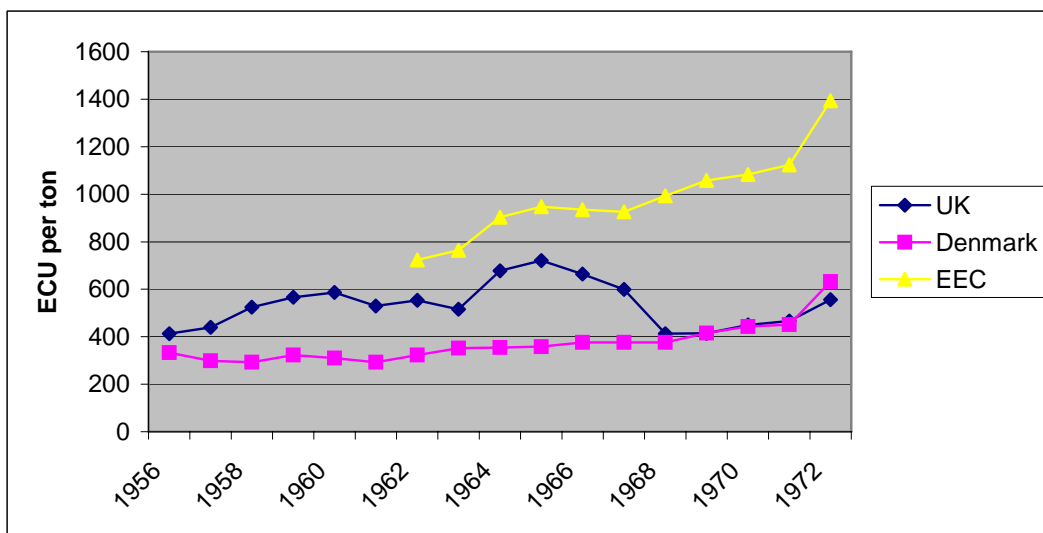
Source: OECD (2005)

Appendix Figure 4: Producer prices of wheat and beef , EU-9 members, 1956 to 1972  
(ECU per ton)

(a) Wheat



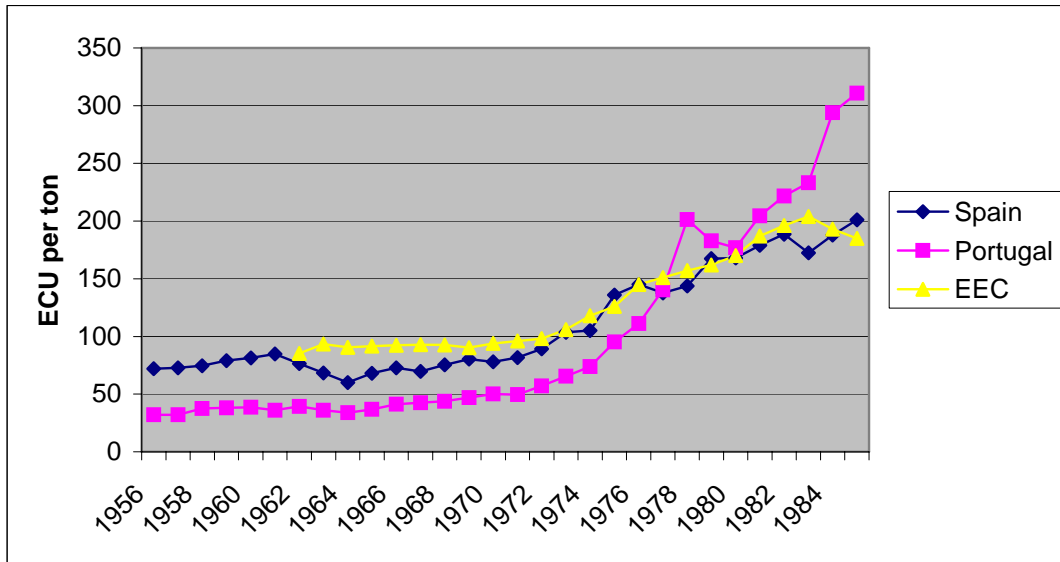
(b) Beef



Source: EUROSTAT (2006)



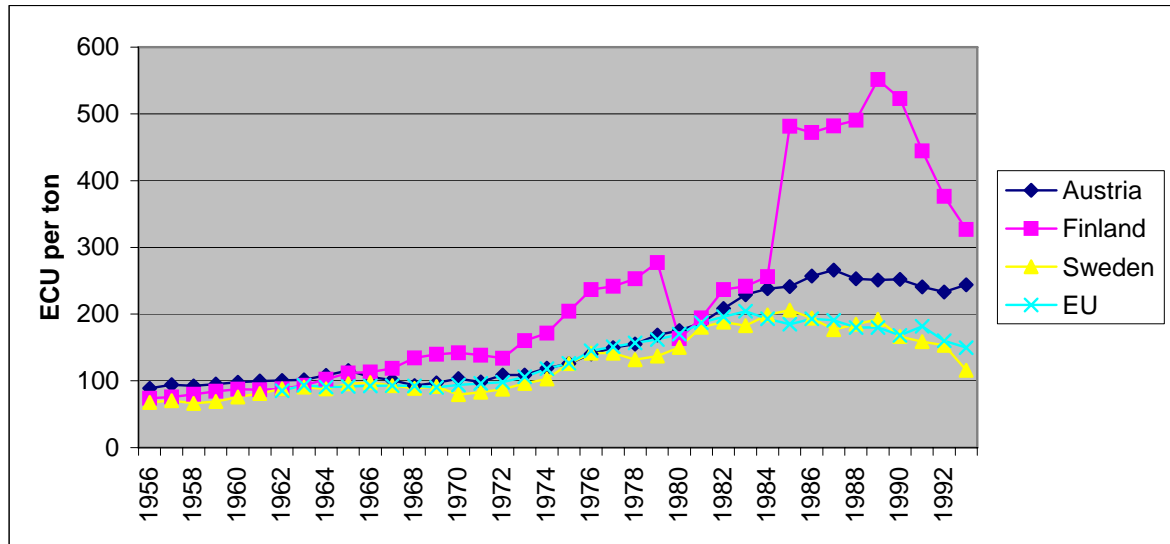
Appendix Figure 5: Producer prices of wheat, Portugal, Spain and EU-9, 1956 to 1985  
(ECU per ton)



Source: EUROSTAT (2006)

Appendix Figure 6: Producer prices of wheat, Austria, Finland, Sweden and EU-12, 1956 to 1993

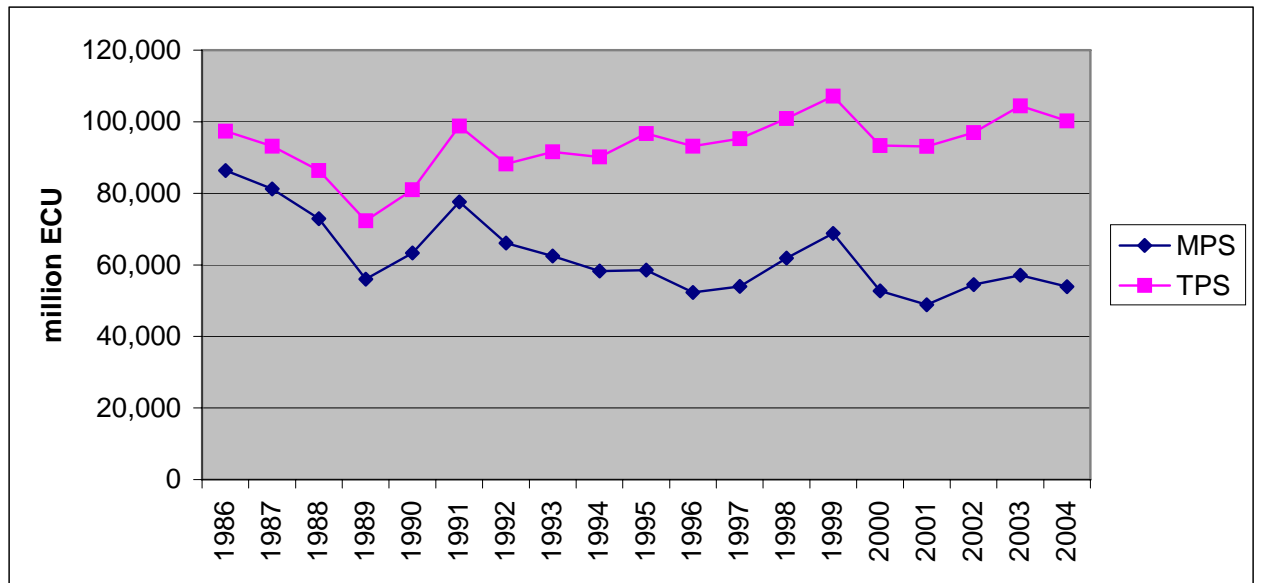
(ECU per ton)



Source: EUROSTAT (2006)

Appendix Figure 7: Value of market price support and total farm support, European Union, 1986 to 2004

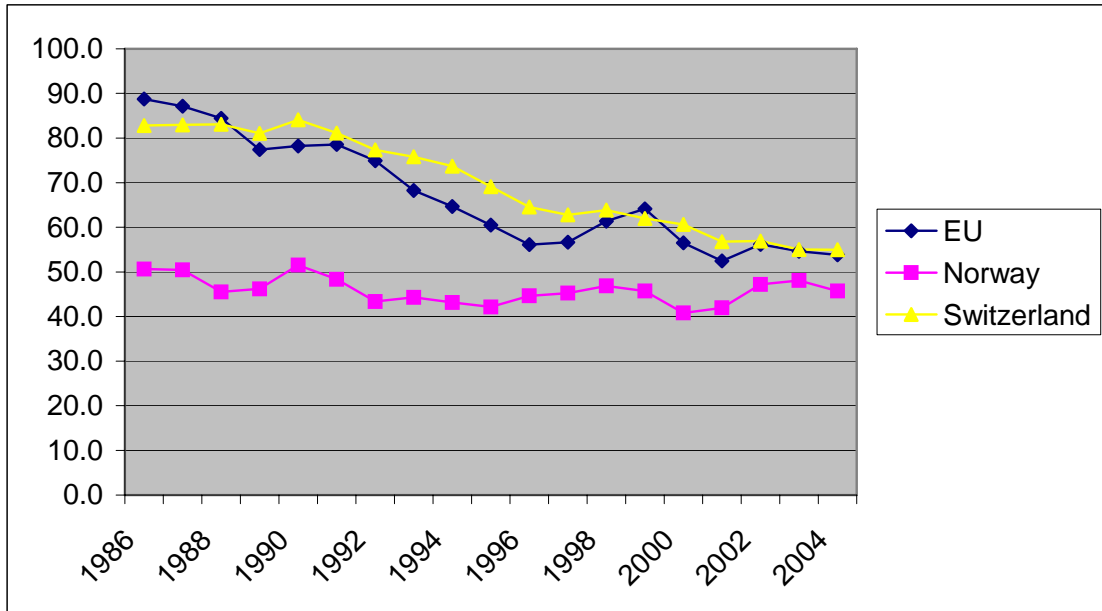
(million ECU)



Source: Author's calculations based on OECD (2006)

Appendix Figure 8: Share of market price support in total farm support, European Union, 1986 to 2004

(percent)



Source: Author's calculations based on OECD (2006)

Appendix Table 1: Annual distortion estimates, **Austria**, 1956 to 2007

(a) Nominal rates of assistance to covered products

(percent)

|      | Barl<br>ey | Bee<br>f | Egg | Mai<br>ze | Mil<br>k | Oat | Pig<br>mea<br>t | Pota<br>to | Pou<br>ltry | Rap<br>esee<br>d | She<br>epm<br>eat | Sug<br>ar | Sun<br>flo<br>wer | Wh<br>eat | Win<br>e | All<br>cov<br>ered |
|------|------------|----------|-----|-----------|----------|-----|-----------------|------------|-------------|------------------|-------------------|-----------|-------------------|-----------|----------|--------------------|
| 1956 | 48         | na       | na  | 110       | na       | 47  | na              | 0          | na          | 53               | na                | 179       | 53                | 44        | 0        | 31                 |
| 1957 | 81         | na       | na  | 170       | na       | 65  | na              | 0          | na          | 55               | na                | 98        | 55                | 59        | 0        | 33                 |
| 1958 | 97         | na       | na  | 211       | na       | 68  | na              | 0          | na          | 55               | na                | 177       | 55                | 59        | 0        | 39                 |
| 1959 | 88         | na       | na  | 184       | na       | 81  | na              | 0          | na          | 47               | na                | 220       | 47                | 58        | 0        | 44                 |
| 1960 | 87         | na       | na  | 179       | na       | 66  | na              | 0          | na          | 45               | na                | 220       | 45                | 62        | 0        | 47                 |
| 1961 | 122        | na       | na  | 256       | na       | 108 | na              | 0          | na          | 41               | na                | 248       | 41                | 64        | 0        | 55                 |
| 1962 | 101        | na       | na  | 116       | na       | 97  | na              | 0          | na          | 40               | na                | 240       | 40                | 109       | 0        | 57                 |
| 1963 | 99         | na       | na  | 95        | na       | 94  | na              | 0          | na          | 38               | na                | 24        | 38                | 102       | 0        | 44                 |
| 1964 | 98         | na       | na  | 106       | na       | 119 | na              | 0          | na          | 37               | na                | 92        | 37                | 103       | 0        | 51                 |
| 1965 | 98         | na       | na  | 113       | na       | 121 | na              | 0          | na          | 34               | na                | 432       | 49                | 120       | 0        | 68                 |
| 1966 | 82         | na       | na  | 92        | na       | 98  | na              | 0          | na          | 32               | na                | 471       | 47                | 87        | 0        | 60                 |
| 1967 | 91         | na       | na  | 93        | na       | 94  | na              | 0          | na          | 33               | na                | 325       | 48                | 77        | 0        | 52                 |
| 1968 | 104        | na       | na  | 96        | na       | 87  | na              | 0          | na          | 34               | na                | 200       | 50                | 73        | 0        | 48                 |
| 1969 | 66         | na       | na  | 87        | na       | 80  | na              | 0          | na          | 32               | na                | 162       | 47                | 74        | 0        | 47                 |
| 1970 | 70         | na       | na  | 66        | na       | 83  | na              | 0          | na          | 31               | na                | 97        | 46                | 37        | 0        | 35                 |
| 1971 | 93         | na       | na  | 68        | na       | 61  | na              | 0          | na          | 29               | na                | 58        | 43                | 59        | 0        | 43                 |
| 1972 | 42         | na       | na  | 103       | na       | 54  | na              | 0          | na          | 27               | na                | 40        | 39                | 9         | 0        | 26                 |
| 1973 | 6          | na       | na  | 27        | na       | 14  | na              | 0          | na          | 19               | na                | -14       | 28                | -28       | 0        | -3                 |
| 1974 | 4          | na       | na  | -2        | na       | 12  | na              | 0          | na          | 15               | na                | -52       | 23                | -23       | 0        | -13                |
| 1975 | 25         | na       | na  | 17        | na       | 33  | na              | 0          | na          | 18               | na                | 12        | 24                | -9        | 0        | 8                  |
| 1976 | 17         | na       | na  | 25        | na       | 9   | na              | 0          | na          | 19               | na                | 81        | 25                | -19       | 0        | 6                  |
| 1977 | 67         | na       | na  | 66        | na       | 38  | na              | 0          | na          | 16               | na                | 205       | 27                | -22       | 0        | 26                 |
| 1978 | 66         | na       | na  | 79        | na       | 89  | na              | 0          | na          | 19               | na                | 212       | 30                | 21        | 0        | 42                 |
| 1979 | 83         | na       | na  | 62        | na       | 99  | na              | 0          | na          | 19               | na                | 50        | 28                | 41        | 0        | 41                 |
| 1980 | 21         | na       | na  | 54        | na       | -23 | na              | 0          | na          | 19               | na                | -10       | 31                | 49        | 0        | 19                 |
| 1981 | 7          | na       | na  | 30        | na       | 0   | na              | 0          | na          | 16               | na                | 47        | 23                | 44        | 0        | 20                 |
| 1982 | 8          | na       | na  | 56        | na       | 30  | na              | 0          | na          | 16               | na                | 124       | 22                | 60        | 0        | 32                 |
| 1983 | 36         | na       | na  | 25        | na       | 8   | na              | 0          | na          | 16               | na                | 182       | 21                | 44        | 0        | 31                 |
| 1984 | 10         | na       | na  | 7         | na       | 5   | na              | 0          | na          | 10               | na                | 230       | 14                | 48        | 0        | 22                 |
| 1985 | 31         | na       | na  | 25        | na       | 15  | na              | 0          | na          | 12               | na                | 251       | 16                | 72        | 0        | 40                 |
| 1986 | 203        | 70       | 12  | 32        | 128      | 134 | 23              | 0          | 5           | 23               | 0                 | 332       | 24                | 70        | 0        | 62                 |
| 1987 | 323        | 51       | 3   | 75        | 91       | 109 | 41              | 0          | -1          | 34               | 0                 | 302       | 28                | 136       | 0        | 66                 |
| 1988 | 137        | 78       | 58  | 41        | 78       | 40  | 28              | 0          | 58          | 25               | 10                | 275       | 21                | 115       | 0        | 64                 |
| 1989 | 82         | 85       | 76  | 24        | 71       | 49  | 8               | 0          | 97          | 47               | 23                | 206       | 47                | 29        | 0        | 47                 |
| 1990 | 153        | 94       | 56  | 67        | 129      | 108 | 19              | 0          | 79          | 94               | 19                | 143       | 62                | 109       | 0        | 70                 |
| 1991 | 179        | 93       | 61  | 61        | 129      | 96  | 33              | 0          | 67          | 85               | 15                | 191       | 49                | 201       | 0        | 79                 |
| 1992 | 166        | 105      | 68  | 113       | 144      | 104 | 27              | 0          | 77          | 82               | 14                | 219       | 58                | 171       | 0        | 85                 |
| 1993 | 206        | 113      | 79  | 33        | 151      | 96  | 75              | 0          | 65          | 50               | 14                | 208       | 32                | 114       | 0        | 96                 |
| 1994 | 176        | 124      | 104 | 103       | 157      | 101 | 53              | 0          | 71          | 78               | 16                | 194       | 50                | 170       | 0        | 98                 |
| 1995 | 41         | 69       | 12  | 53        | 79       | 40  | 16              | 15         | 129         | 0                | 77                | 119       | 0                 | 16        | 4        | 43                 |
| 1996 | 2          | 68       | 5   | 14        | 70       | 34  | 16              | 14         | 77          | 0                | 45                | 140       | 0                 | 0         | 4        | 35                 |
| 1997 | 7          | 117      | 1   | 19        | 78       | 25  | 13              | 12         | 55          | 0                | 27                | 147       | 0                 | 0         | 5        | 38                 |
| 1998 | 64         | 121      | 11  | 32        | 100      | 50  | 22              | 11         | 51          | 0                | 38                | 186       | 0                 | 26        | 3        | 53                 |
| 1999 | 44         | 125      | 16  | 39        | 106      | 84  | 57              | 11         | 90          | 0                | 37                | 245       | 0                 | 37        | 2        | 66                 |
| 2000 | 3          | 113      | 3   | 27        | 57       | 59  | 32              | 10         | 57          | 1                | 26                | 176       | 0                 | 11        | 2        | 43                 |
| 2001 | 0          | 140      | 0   | 14        | 40       | 29  | 24              | 10         | 52          | 0                | 48                | 138       | 0                 | 4         | 2        | 34                 |
| 2002 | 0          | 157      | 0   | 9         | 75       | 0   | 24              | 10         | 56          | 0                | 35                | 161       | 0                 | 0         | 2        | 44                 |
| 2003 | 1          | 157      | 0   | 34        | 70       | 1   | 33              | 10         | 54          | 0                | 46                | 240       | 0                 | 2         | 2        | 48                 |
| 2004 | 1          | 92       | 0   | 39        | 62       | 23  | 27              | 10         | 101         | 0                | 33                | 238       | 0                 | 2         | 1        | 40                 |
| 2005 | 0          | 109      | 0   | 19        | 33       | 24  | 19              | 10         | 69          | 0                | 54                | 168       | 0                 | 0         | 2        | 24                 |
| 2006 | 0          | 81       | 0   | 19        | 25       | 0   | 14              | 10         | 69          | 0                | 74                | 66        | 0                 | 0         | 1        | 20                 |
| 2007 | 0          | 71       | 0   | 23        | 0        | 0   | 18              | 10         | 100         | 0                | 68                | 99        | 0                 | 0         | 1        | 15                 |

Appendix Table 1 (continued): Annual distortion estimates, **Austria**, 1956 to 2007  
 (b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup>  
 and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural  
 industries (percent)

|      | NRA, all agric products, <sup>a</sup> by component |                               |                                       |   |   | NRA, agric tradables    |                              |  | NRA, all non-ag tradable goods (9) | RRA <sup>b</sup> (10) |
|------|--|-------------------------------|---------------------------------------|---|---|-------------------------|------------------------------|--|------------------------------------|-----------------------|
|      | NRA, covered products (1)                          | NRA, non-covered products (2) | NRA, non-product-specific support (3) | NRA, all ag products (incl NPS and decoupled) (4)=1+2+3 (5) | NRA, all ag products (incl NPS and decoupled) (5) | NRA, ag exportables (6) | NRA, ag import-competing (7) | NRA, all agric tradable goods <sup>c</sup> (8)=6+7 |                                    |                       |
| 1956 | 31   | 4                             | na                                    | 21  | 21  | 0                       | 26                           | 21   | 3                                  | 17                    |
| 1957 | 33   | 5                             | na                                    | 23  | 23  | 0                       | 30                           | 23   | 3                                  | 20                    |
| 1958 | 39   | 5                             | na                                    | 26  | 26  | 0                       | 34                           | 26   | 3                                  | 22                    |
| 1959 | 44   | 6                             | na                                    | 29  | 29  | 0                       | 40                           | 29   | 4                                  | 24                    |
| 1960 | 47   | 6                             | na                                    | 31  | 31  | 0                       | 40                           | 31   | 4                                  | 26                    |
| 1961 | 55   | 6                             | na                                    | 35  | 35  | 0                       | 47                           | 35   | 4                                  | 29                    |
| 1962 | 57   | 7                             | na                                    | 37  | 37  | 0                       | 49                           | 37   | 4                                  | 32                    |
| 1963 | 44   | 6                             | na                                    | 29  | 29  | 0                       | 39                           | 29   | 4                                  | 24                    |
| 1964 | 51   | 7                             | na                                    | 33  | 33  | 0                       | 49                           | 33   | 4                                  | 28                    |
| 1965 | 68   | 8                             | na                                    | 42  | 42  | 0                       | 60                           | 42   | 4                                  | 37                    |
| 1966 | 60   | 8                             | na                                    | 39  | 39  | 0                       | 54                           | 39   | 4                                  | 34                    |
| 1967 | 52   | 8                             | na                                    | 35  | 35  | 0                       | 50                           | 35   | 4                                  | 30                    |
| 1968 | 48   | 7                             | na                                    | 32  | 32  | 0                       | 47                           | 32   | 4                                  | 27                    |
| 1969 | 47   | 7                             | na                                    | 31  | 31  | 0                       | 45                           | 31   | 3                                  | 27                    |
| 1970 | 35   | 5                             | na                                    | 24  | 24  | 0                       | 35                           | 24   | 3                                  | 20                    |
| 1971 | 43   | 6                             | na                                    | 29  | 29  | 0                       | 40                           | 29   | 3                                  | 25                    |
| 1972 | 26   | 4                             | na                                    | 18  | 18  | 0                       | 25                           | 18   | 3                                  | 15                    |
| 1973 | -3   | 0                             | na                                    | -2  | -2  | 0                       | -3                           | -2   | 3                                  | -4                    |
| 1974 | -13  | -2                            | na                                    | -10   | -10   | 0                       | -12                          | -10  | 2                                  | -11                   |
| 1975 | 8  | 1                             | na                                    | 6   | 6   | 0                       | 8                            | 6  | 2                                  | 4                     |
| 1976 | 6  | 1                             | na                                    | 4   | 4   | 0                       | 6                            | 4  | 1                                  | 3                     |
| 1977 | 26   | 4                             | na                                    | 18  | 18  | 0                       | 24                           | 18   | 1                                  | 17                    |
| 1978 | 42   | 7                             | na                                    | 28  | 28  | 0                       | 40                           | 28   | 1                                  | 27                    |
| 1979 | 41   | 6                             | na                                    | 27  | 27  | 0                       | 38                           | 27   | 1                                  | 26                    |
| 1980 | 19   | 3                             | na                                    | 13  | 13  | 0                       | 17                           | 13   | 1                                  | 12                    |
| 1981 | 20   | 3                             | na                                    | 13  | 13  | 0                       | 18                           | 13   | 1                                  | 13                    |
| 1982 | 32   | 5                             | na                                    | 23  | 23  | 0                       | 32                           | 23   | 1                                  | 22                    |
| 1983 | 31   | 5                             | na                                    | 22  | 22  | 0                       | 30                           | 22   | 1                                  | 21                    |
| 1984 | 22   | 4                             | na                                    | 16  | 16  | 0                       | 21                           | 16   | 1                                  | 15                    |
| 1985 | 40   | 5                             | na                                    | 27  | 27  | 0                       | 35                           | 27   | 1                                  | 26                    |
| 1986 | 62   | 14                            | 1                                     | 55  | 55  | 56                      | 50                           | 55   | 1                                  | 55                    |
| 1987 | 66   | 17                            | 1                                     | 59  | 59  | 69                      | 42                           | 59   | 1                                  | 58                    |
| 1988 | 64   | 11                            | 1                                     | 64  | 64  | 61                      | 78                           | 64   | 1                                  | 63                    |
| 1989 | 47   | 6                             | 1                                     | 40  | 40  | 39                      | 39                           | 40   | 1                                  | 39                    |
| 1990 | 70   | 9                             | 2                                     | 57  | 57  | 56                      | 56                           | 57   | 1                                  | 57                    |
| 1991 | 79   | 11                            | 2                                     | 67  | 67  | 68                      | 52                           | 67   | 1                                  | 66                    |
| 1992 | 85   | 9                             | 4                                     | 71  | 71  | 46                      | 92                           | 71   | 1                                  | 70                    |
| 1993 | 96   | 10                            | 3                                     | 81  | 81  | 67                      | 94                           | 81   | 1                                  | 80                    |
| 1994 | 98   | 0                             | 4                                     | 80  | 80  | 76                      | 124                          | 80   | 1                                  | 79                    |
| 1995 | 43   | 0                             | 5                                     | 38  | 55  | 4                       | 46                           | 38   | 1                                  | 37                    |
| 1996 | 35   | 16                            | 4                                     | 34  | 50  | 10                      | 38                           | 34   | 1                                  | 33                    |
| 1997 | 38   | 21                            | 4                                     | 39  | 55  | 13                      | 42                           | 39   | 1                                  | 38                    |
| 1998 | 53   | 30                            | 4                                     | 52  | 68  | 21                      | 57                           | 52   | 1                                  | 51                    |
| 1999 | 66   | 37                            | 4                                     | 63  | 81  | 24                      | 72                           | 63   | 1                                  | 62                    |
| 2000 | 43   | 23                            | 3                                     | 42  | 59  | 11                      | 50                           | 42   | 1                                  | 41                    |
| 2001 | 34   | 18                            | 4                                     | 34  | 51  | 8                       | 39                           | 34   | 1                                  | 33                    |
| 2002 | 44   | 23                            | 5                                     | 44  | 61  | 10                      | 51                           | 44   | 1                                  | 43                    |
| 2003 | 48   | 25                            | 5                                     | 47  | 67  | 10                      | 56                           | 47   | 1                                  | 46                    |
| 2004 | 40   | 21                            | 4                                     | 40  | 58  | 7                       | 49                           | 40   | 1                                  | 39                    |
| 2005 | 24   | 11                            | 4                                     | 22  | 41  | 1                       | 34                           | 22   | 1                                  | 21                    |
| 2006 | 20   | 10                            | 4                                     | 19  | 40  | 1                       | 28                           | 19   | 1                                  | 18                    |
| 2007 | 15   | 7                             | 4                                     | 16  | 34  | 0                       | 22                           | 16   | 1                                  | 15                    |

- a. NRAs including assistance to nontradables and via inputs and other forms of non-product-specific (NPS) assistance without and (in column (5)) with decoupled support.
- b. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors (columns 8 and 9), respectively, so it excludes decoupled payments but includes all NPS support.
- c. Including NPS but excluding decoupled payments, so more than the weighted average of columns (6) and (7).

Appendix Table 1 (continued): Annual distortion estimates, **Austria**, 1956 to 2007  
(c) Value shares of primary production of covered<sup>a</sup> and non-covered products (percent)

|      | Barl<br>ey | Bee<br>f | Egg | Mai<br>ze | Mil<br>k | Oat | Pig<br>mea<br>t | Pota<br>to | Poul<br>try | Rap<br>esee<br>d | She<br>epm<br>eat | Sug<br>ar | Sun<br>flow<br>er | Wh<br>eat | Win<br>e | Non<br>-<br>cov<br>ered |
|------|------------|----------|-----|-----------|----------|-----|-----------------|------------|-------------|------------------|-------------------|-----------|-------------------|-----------|----------|-------------------------|
| 1956 | 8          | na       | na  | 2         | na       | 8   | na              | 29         | na          | 0                | na                | 2         | 0                 | 12        | 1        | 38                      |
| 1957 | 6          | na       | na  | 2         | na       | 6   | na              | 31         | na          | 0                | na                | 4         | 0                 | 10        | 5        | 36                      |
| 1958 | 6          | na       | na  | 1         | na       | 6   | na              | 30         | na          | 0                | na                | 3         | 0                 | 11        | 5        | 38                      |
| 1959 | 5          | na       | na  | 2         | na       | 6   | na              | 25         | na          | 0                | na                | 3         | 0                 | 11        | 8        | 40                      |
| 1960 | 8          | na       | na  | 2         | na       | 6   | na              | 27         | na          | 0                | na                | 3         | 0                 | 12        | 3        | 39                      |
| 1961 | 7          | na       | na  | 2         | na       | 5   | na              | 24         | na          | 0                | na                | 2         | 0                 | 14        | 5        | 41                      |
| 1962 | 8          | na       | na  | 3         | na       | 5   | na              | 26         | na          | 0                | na                | 2         | 0                 | 11        | 4        | 40                      |
| 1963 | 8          | na       | na  | 3         | na       | 5   | na              | 21         | na          | 0                | na                | 8         | 0                 | 9         | 7        | 39                      |
| 1964 | 8          | na       | na  | 3         | na       | 4   | na              | 18         | na          | 0                | na                | 5         | 0                 | 10        | 12       | 40                      |
| 1965 | 9          | na       | na  | 5         | na       | 4   | na              | 19         | na          | 1                | na                | 2         | 0                 | 11        | 8        | 43                      |
| 1966 | 10         | na       | na  | 4         | na       | 4   | na              | 19         | na          | 1                | na                | 2         | 0                 | 13        | 7        | 41                      |
| 1967 | 9          | na       | na  | 4         | na       | 4   | na              | 17         | na          | 1                | na                | 2         | 0                 | 14        | 12       | 39                      |
| 1968 | 8          | na       | na  | 4         | na       | 4   | na              | 18         | na          | 0                | na                | 2         | 0                 | 13        | 12       | 39                      |
| 1969 | 11         | na       | na  | 8         | na       | 3   | na              | 15         | na          | 0                | na                | 3         | 0                 | 11        | 11       | 38                      |
| 1970 | 10         | na       | na  | 7         | na       | 3   | na              | 14         | na          | 0                | na                | 3         | 0                 | 12        | 14       | 37                      |
| 1971 | 10         | na       | na  | 8         | na       | 3   | na              | 15         | na          | 0                | na                | 4         | 0                 | 12        | 9        | 38                      |
| 1972 | 12         | na       | na  | 6         | na       | 3   | na              | 12         | na          | 0                | na                | 5         | 0                 | 14        | 11       | 36                      |
| 1973 | 12         | na       | na  | 10        | na       | 3   | na              | 10         | na          | 0                | na                | 7         | 0                 | 16        | 7        | 34                      |
| 1974 | 13         | na       | na  | 10        | na       | 3   | na              | 9          | na          | 0                | na                | 12        | 0                 | 16        | 5        | 32                      |
| 1975 | 10         | na       | na  | 11        | na       | 3   | na              | 9          | na          | 0                | na                | 8         | 0                 | 14        | 8        | 37                      |
| 1976 | 13         | na       | na  | 9         | na       | 3   | na              | 8          | na          | 0                | na                | 4         | 0                 | 20        | 8        | 34                      |
| 1977 | 10         | na       | na  | 10        | na       | 3   | na              | 8          | na          | 0                | na                | 3         | 0                 | 20        | 8        | 38                      |
| 1978 | 12         | na       | na  | 10        | na       | 2   | na              | 9          | na          | 0                | na                | 2         | 0                 | 14        | 10       | 40                      |
| 1979 | 9          | na       | na  | 13        | na       | 2   | na              | 11         | na          | 0                | na                | 5         | 0                 | 10        | 9        | 41                      |
| 1980 | 15         | na       | na  | 10        | na       | 5   | na              | 7          | na          | 0                | na                | 8         | 0                 | 10        | 8        | 37                      |
| 1981 | 15         | na       | na  | 14        | na       | 4   | na              | 7          | na          | 0                | na                | 6         | 0                 | 10        | 6        | 38                      |
| 1982 | 16         | na       | na  | 13        | na       | 3   | na              | 5          | na          | 0                | na                | 4         | 0                 | 10        | 12       | 36                      |
| 1983 | 14         | na       | na  | 16        | na       | 4   | na              | 6          | na          | 0                | na                | 3         | 0                 | 14        | 9        | 34                      |
| 1984 | 16         | na       | na  | 17        | na       | 3   | na              | 7          | na          | 0                | na                | 2         | 0                 | 14        | 6        | 34                      |
| 1985 | 14         | na       | na  | 18        | na       | 3   | na              | 6          | na          | 0                | na                | 2         | 0                 | 13        | 4        | 38                      |
| 1986 | 3          | 16       | 4   | 9         | 16       | 1   | 20              | 3          | 4           | 0                | 0                 | 1         | 0                 | 7         | 3        | 15                      |
| 1987 | 2          | 17       | 4   | 7         | 19       | 1   | 19              | 2          | 4           | 0                | 0                 | 1         | 0                 | 5         | 3        | 16                      |
| 1988 | 0          | 18       | 3   | 11        | 25       | 0   | 25              | 0          | 3           | 0                | 1                 | 1         | 0                 | 8         | 1        | 2                       |
| 1989 | 4          | 12       | 2   | 7         | 17       | 1   | 20              | 2          | 2           | 1                | 0                 | 1         | 0                 | 7         | 4        | 19                      |
| 1990 | 4          | 12       | 2   | 6         | 13       | 1   | 19              | 3          | 2           | 1                | 0                 | 1         | 0                 | 5         | 7        | 24                      |
| 1991 | 3          | 14       | 3   | 6         | 15       | 1   | 20              | 3          | 3           | 1                | 1                 | 1         | 0                 | 3         | 6        | 21                      |
| 1992 | 3          | 12       | 2   | 3         | 15       | 1   | 22              | 2          | 3           | 1                | 1                 | 1         | 0                 | 4         | 5        | 24                      |
| 1993 | 2          | 14       | 3   | 8         | 17       | 1   | 17              | 2          | 4           | 1                | 1                 | 2         | 1                 | 4         | 3        | 21                      |
| 1994 | 3          | 12       | 2   | 3         | 17       | 1   | 19              | 3          | 3           | 2                | 1                 | 1         | 1                 | 4         | 6        | 22                      |
| 1995 | 3          | 10       | 2   | 5         | 17       | 0   | 20              | 4          | 1           | 2                | 0                 | 2         | 0                 | 5         | 6        | 22                      |
| 1996 | 4          | 9        | 3   | 6         | 16       | 0   | 22              | 2          | 2           | 1                | 0                 | 2         | 0                 | 5         | 5        | 22                      |
| 1997 | 4          | 7        | 3   | 5         | 16       | 1   | 25              | 2          | 2           | 1                | 1                 | 2         | 0                 | 5         | 5        | 23                      |
| 1998 | 3          | 8        | 2   | 5         | 17       | 0   | 20              | 3          | 2           | 1                | 1                 | 2         | 1                 | 4         | 8        | 23                      |
| 1999 | 3          | 8        | 2   | 5         | 18       | 0   | 16              | 4          | 2           | 1                | 1                 | 2         | 1                 | 4         | 9        | 23                      |
| 2000 | 3          | 8        | 2   | 5         | 21       | 0   | 19              | 2          | 2           | 1                | 1                 | 1         | 0                 | 4         | 8        | 22                      |
| 2001 | 3          | 6        | 2   | 5         | 21       | 0   | 22              | 2          | 2           | 1                | 1                 | 2         | 0                 | 5         | 6        | 22                      |
| 2002 | 3          | 6        | 3   | 6         | 18       | 0   | 21              | 2          | 2           | 1                | 1                 | 2         | 1                 | 5         | 6        | 23                      |
| 2003 | 3          | 6        | 3   | 5         | 19       | 0   | 20              | 2          | 2           | 1                | 1                 | 1         | 1                 | 5         | 7        | 24                      |
| 2004 | 3          | 7        | 2   | 4         | 19       | 0   | 19              | 3          | 2           | 1                | 1                 | 1         | 1                 | 6         | 7        | 23                      |
| 2005 | 4          | 6        | 4   | 6         | 7        | 0   | 21              | 3          | 2           | 1                | 1                 | 1         | 1                 | 7         | 12       | 24                      |
| 2006 | 4          | 8        | 3   | 6         | 8        | 1   | 20              | 4          | 1           | 1                | 1                 | 2         | 1                 | 7         | 10       | 24                      |
| 2007 | 5          | 7        | 2   | 7         | 15       | 1   | 15              | 3          | 1           | 1                | 1                 | 1         | 1                 | 9         | 9        | 24                      |

Source: Anderson and Valenzuela (2008), based on author's spreadsheet a. At undistorted prices



Appendix Table 1 (continued): Annual distortion estimates, **Austria**, 1956 to 2007  
(d) Trade status of covered products<sup>a</sup>

[illegible]

|      | Sheep<br>meat | Sugar | Sunflo<br>wer | Wheat | Wine | Wool |
|------|---------------|-------|---------------|-------|------|------|
| 1956 | na            | M     | X             | M     | X    | na   |
| 1957 | na            | M     | X             | M     | X    | na   |
| 1958 | na            | M     | X             | M     | X    | na   |
| 1959 | na            | M     | X             | M     | X    | na   |
| 1960 | na            | M     | X             | M     | X    | na   |
| 1961 | na            | M     | X             | M     | X    | na   |
| 1962 | na            | M     | X             | M     | X    | na   |
| 1963 | na            | M     | X             | M     | X    | na   |
| 1964 | na            | M     | X             | M     | X    | na   |
| 1965 | na            | M     | X             | M     | X    | na   |
| 1966 | na            | M     | X             | M     | X    | na   |
| 1967 | na            | M     | X             | M     | X    | na   |
| 1968 | na            | M     | X             | M     | X    | na   |
| 1969 | na            | M     | X             | M     | X    | na   |
| 1970 | na            | M     | X             | M     | X    | na   |
| 1971 | na            | M     | X             | M     | X    | na   |
| 1972 | na            | M     | X             | M     | X    | na   |
| 1973 | na            | M     | X             | M     | X    | na   |
| 1974 | na            | M     | X             | M     | X    | na   |
| 1975 | na            | M     | X             | M     | X    | na   |
| 1976 | na            | M     | X             | M     | X    | na   |
| 1977 | na            | M     | X             | M     | X    | na   |
| 1978 | na            | M     | X             | M     | X    | na   |
| 1979 | na            | M     | X             | M     | X    | na   |
| 1980 | na            | M     | X             | M     | X    | na   |
| 1981 | na            | M     | X             | M     | X    | na   |
| 1982 | na            | M     | X             | M     | X    | na   |
| 1983 | na            | M     | X             | M     | X    | na   |
| 1984 | na            | M     | X             | M     | X    | na   |
| 1985 | na            | M     | X             | M     | X    | na   |
| 1986 | M             | M     | X             | X     | X    | M    |
| 1987 | M             | X     | X             | X     | X    | M    |
| 1988 | M             | M     | X             | X     | X    | M    |
| 1989 | M             | X     | X             | X     | X    | M    |
| 1990 | M             | M     | X             | X     | X    | M    |
| 1991 | M             | X     | X             | X     | X    | M    |
| 1992 | M             | M     | X             | X     | X    | M    |
| 1993 | M             | X     | X             | X     | X    | M    |
| 1994 | M             | M     | X             | X     | X    | M    |
| 1995 | M             | M     | M             | M     | X    | na   |
| 1996 | M             | M     | M             | X     | X    | na   |
| 1997 | M             | M     | M             | X     | X    | na   |
| 1998 | M             | M     | M             | X     | X    | na   |
| 1999 | M             | M     | M             | X     | X    | na   |
| 2000 | M             | M     | M             | X     | X    | na   |
| 2001 | M             | M     | M             | X     | X    | na   |
| 2002 | M             | M     | M             | X     | X    | na   |
| 2003 | M             | M     | M             | X     | X    | na   |
| 2004 | M             | M     | M             | X     | X    | na   |
| 2005 | M             | M     | M             | X     | X    | na   |
| 2006 | M             | M     | M             | X     | X    | na   |
| 2007 | M             | M     | M             | X     | X    | na   |

a. Exportables (X), import-competing products (M) and nontradables (H).  
Source: Anderson and Valenzuela (2008), based on author's spreadsheet

Appendix Table 2: Annual distortion estimates, **Denmark**, 1956 to 2007

(a) Nominal rates of assistance to covered products

(percent)

|      | Barle<br>y | Beef | Egg | Milk | Oat | Pigm<br>eat | Potat<br>o | Poult<br>ry | Rape<br>seed | Shee<br>pmea<br>t | Suga<br>r | Tom<br>ato | Whe<br>at | All<br>cove<br>red |
|------|------------|------|-----|------|-----|-------------|------------|-------------|--------------|-------------------|-----------|------------|-----------|--------------------|
| 1956 | -4         | -3   | -8  | 157  | -12 | 39          | -24        | 8           | 5            | na                | 135       | na         | -3        | 30                 |
| 1957 | 7          | -9   | -4  | 174  | -13 | 23          | -6         | 6           | 5            | na                | 43        | na         | 1         | 29                 |
| 1958 | 38         | -13  | 8   | 96   | 6   | 22          | 52         | 11          | 5            | na                | 102       | na         | 3         | 34                 |
| 1959 | 26         | -9   | -19 | 199  | -32 | 22          | 88         | -4          | 5            | na                | 138       | na         | 0         | 42                 |
| 1960 | 9          | 2    | -15 | 127  | -12 | 15          | -32        | -5          | 5            | na                | 120       | na         | -1        | 22                 |
| 1961 | 49         | -9   | -15 | 202  | 17  | 22          | 47         | -13         | 4            | na                | 150       | na         | -1        | 41                 |
| 1962 | -1         | 1    | -9  | 240  | -8  | 68          | 124        | -29         | 4            | na                | 184       | na         | 25        | 52                 |
| 1963 | 5          | -6   | -6  | 210  | -3  | 57          | 40         | -17         | 4            | na                | -3        | na         | 19        | 42                 |
| 1964 | -1         | -27  | 5   | 146  | 4   | 53          | 30         | -26         | 4            | na                | 42        | na         | 13        | 34                 |
| 1965 | -2         | -39  | 6   | 173  | 3   | 73          | 86         | -25         | 3            | na                | 301       | na         | 14        | 40                 |
| 1966 | 1          | -39  | -1  | 162  | 4   | 90          | 49         | -23         | 3            | na                | 388       | na         | 6         | 43                 |
| 1967 | 5          | -38  | 1   | 175  | 2   | 88          | 67         | -43         | 3            | na                | 249       | na         | 6         | 44                 |
| 1968 | 19         | -35  | 7   | 177  | 3   | 84          | 43         | -39         | 3            | na                | 177       | na         | 12        | 46                 |
| 1969 | 17         | -32  | -9  | 163  | 19  | 88          | 167        | -36         | 3            | na                | 161       | na         | 7         | 45                 |
| 1970 | 6          | -30  | -6  | 257  | 9   | 28          | 94         | -21         | 3            | na                | 99        | na         | 6         | 37                 |
| 1971 | 26         | -32  | -10 | 263  | 0   | 37          | 20         | 15          | 3            | na                | 50        | na         | 29        | 46                 |
| 1972 | 12         | -14  | -8  | 232  | -3  | 27          | 43         | -15         | 3            | na                | 37        | na         | 0         | 37                 |
| 1973 | -7         | 34   | -17 | 208  | 0   | 106         | 57         | 74          | 0            | 322               | -30       | 22         | -30       | 49                 |
| 1974 | 3          | -4   | 30  | 210  | 7   | 69          | 18         | 54          | 0            | 255               | -51       | 22         | -23       | 33                 |
| 1975 | 23         | 11   | 16  | 264  | 23  | 65          | 49         | 60          | 0            | 267               | 28        | 22         | -9        | 58                 |
| 1976 | 20         | 26   | 5   | 366  | 10  | 122         | 327        | 69          | 0            | 342               | 99        | 22         | -16       | 85                 |
| 1977 | 56         | 11   | 41  | 598  | 35  | 65          | 71         | 61          | 0            | 281               | 230       | 22         | -21       | 83                 |
| 1978 | 49         | 11   | 13  | 488  | 74  | 78          | -15        | 49          | 0            | 263               | 230       | 22         | 23        | 84                 |
| 1979 | 75         | 0    | 41  | 440  | 80  | 109         | 17         | 38          | 0            | 230               | 70        | 22         | 35        | 91                 |
| 1980 | 17         | -1   | 22  | 434  | -27 | 71          | 7          | 37          | 0            | 207               | 13        | 22         | 45        | 58                 |
| 1981 | 7          | 23   | 2   | 330  | -2  | 148         | 73         | 72          | 0            | 183               | 74        | 11         | 44        | 80                 |
| 1982 | 8          | 49   | 18  | 313  | 22  | 125         | 95         | 99          | 0            | 181               | 152       | 31         | 51        | 81                 |
| 1983 | 32         | 264  | 40  | 287  | -1  | 129         | 87         | 73          | 0            | 203               | 196       | 19         | 28        | 116                |
| 1984 | 6          | 265  | 3   | 311  | 8   | 81          | -24        | 95          | 0            | 172               | 268       | 26         | 20        | 74                 |
| 1985 | 18         | 293  | 8   | 282  | -6  | 22          | 11         | 91          | 0            | 95                | 297       | 26         | 31        | 65                 |
| 1986 | 157        | 188  | 31  | 361  | 83  | 40          | 17         | 79          | 153          | 134               | 247       | 17         | 119       | 120                |
| 1987 | 233        | 107  | 21  | 533  | 77  | 11          | 17         | 90          | 145          | 211               | 301       | 15         | 143       | 106                |
| 1988 | 85         | 80   | 21  | 192  | 14  | 34          | 17         | 69          | 112          | 215               | 201       | 15         | 94        | 82                 |
| 1989 | 45         | 79   | 29  | 84   | 15  | 14          | 17         | 66          | 140          | 167               | 90        | 0          | 31        | 45                 |
| 1990 | 94         | 98   | 12  | 125  | 48  | 7           | 16         | 100         | 200          | 154               | 109       | 2          | 57        | 58                 |
| 1991 | 119        | 157  | 13  | 128  | 39  | 20          | 16         | 83          | 97           | 128               | 191       | 0          | 146       | 73                 |
| 1992 | 103        | 93   | 15  | 118  | 63  | 0           | 17         | 118         | 0            | 112               | 212       | 0          | 65        | 42                 |
| 1993 | 105        | 63   | 10  | 123  | 44  | 18          | 17         | 110         | 0            | 38                | 169       | 8          | 58        | 54                 |
| 1994 | 100        | 53   | 0   | 117  | 43  | 18          | 16         | 114         | 0            | 55                | 129       | 11         | 48        | 49                 |
| 1995 | 41         | 69   | 12  | 79   | 40  | 16          | 15         | 129         | 0            | 77                | 119       | 0          | 16        | 37                 |
| 1996 | 2          | 68   | 5   | 70   | 34  | 16          | 14         | 77          | 0            | 45                | 140       | 2          | 0         | 27                 |
| 1997 | 7          | 117  | 1   | 78   | 25  | 13          | 12         | 55          | 0            | 27                | 147       | 0          | 0         | 29                 |
| 1998 | 64         | 121  | 11  | 100  | 50  | 22          | 11         | 51          | 0            | 38                | 186       | 0          | 26        | 48                 |
| 1999 | 44         | 125  | 16  | 106  | 84  | 57          | 11         | 90          | 0            | 37                | 245       | 0          | 37        | 66                 |
| 2000 | 3          | 113  | 3   | 57   | 59  | 32          | 10         | 57          | 1            | 26                | 176       | 0          | 11        | 37                 |
| 2001 | 0          | 140  | 0   | 40   | 29  | 24          | 10         | 52          | 0            | 48                | 138       | 0          | 4         | 28                 |
| 2002 | 0          | 157  | 0   | 75   | 0   | 24          | 10         | 56          | 0            | 35                | 161       | 0          | 0         | 35                 |
| 2003 | 1          | 157  | 0   | 70   | 1   | 33          | 10         | 54          | 0            | 46                | 240       | 2          | 2         | 37                 |
| 2004 | 1          | 92   | 0   | 62   | 23  | 27          | 10         | 101         | 0            | 33                | 238       | 2          | 2         | 33                 |
| 2005 | 0          | 109  | 0   | 33   | 24  | 19          | 10         | 69          | 0            | 54                | 168       | 0          | 0         | 18                 |
| 2006 | 0          | 86   | 0   | 24   | 0   | 15          | 10         | 69          | 0            | 74                | 62        | 0          | 0         | 14                 |
| 2007 | 0          | 66   | 0   | 0    | 0   | 17          | 10         | 100         | 0            | 68                | 99        | 0          | 0         | 11                 |

Appendix Table 2 (continued): Annual distortion estimates, **Denmark**, 1956 to 2007

(b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup> and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural industries (percent)

|      | NRA, all agric products, <sup>a</sup> by component |                               |                                       |   |   | NRA, agric tradables    |                              |  | NRA, all non-ag tradable goods (9) | RRA <sup>b</sup> (10) |
|------|--|-------------------------------|---------------------------------------|---|---|-------------------------|------------------------------|--|------------------------------------|-----------------------|
|      | NRA, covered products (1)                          | NRA, non-covered products (2) | NRA, non-product-specific support (3) | NRA, all ag products (incl NPS and decoupled) (4)=1+2+3 (5) | NRA, all ag products (incl NPS and decoupled) (5) | NRA, ag exportables (6) | NRA, ag import-competing (7) | NRA, all agric tradable goods <sup>c</sup> (8)=6+7 |                                    |                       |
| 1956 | 30   | 10                            | na                                    | 26  | 26  | 41                      | -5                           | 26   | 1                                  | 24                    |
| 1957 | 29   | 10                            | na                                    | 25  | 25  | 36                      | 1                            | 25   | 1                                  | 23                    |
| 1958 | 34   | 16                            | na                                    | 30  | 30  | 34                      | 22                           | 30   | 2                                  | 28                    |
| 1959 | 42   | 16                            | na                                    | 36  | 36  | 46                      | 10                           | 36   | 2                                  | 33                    |
| 1960 | 22   | 8                             | na                                    | 19  | 19  | 25                      | 3                            | 19   | 2                                  | 17                    |
| 1961 | 41   | 20                            | na                                    | 36  | 36  | 40                      | 29                           | 36   | 2                                  | 34                    |
| 1962 | 52   | 19                            | na                                    | 44  | 44  | 67                      | 1                            | 44   | 2                                  | 41                    |
| 1963 | 42   | 15                            | na                                    | 36  | 36  | 51                      | 4                            | 36   | 2                                  | 33                    |
| 1964 | 34   | 12                            | na                                    | 29  | 29  | 43                      | 1                            | 29   | 2                                  | 27                    |
| 1965 | 40   | 15                            | na                                    | 34  | 34  | 54                      | 0                            | 34   | 1                                  | 32                    |
| 1966 | 43   | 16                            | na                                    | 37  | 37  | 57                      | 2                            | 37   | 1                                  | 35                    |
| 1967 | 44   | 17                            | na                                    | 37  | 37  | 56                      | 4                            | 37   | 1                                  | 36                    |
| 1968 | 46   | 19                            | na                                    | 40  | 40  | 55                      | 13                           | 40   | 1                                  | 38                    |
| 1969 | 45   | 20                            | na                                    | 39  | 39  | 56                      | 14                           | 39   | 1                                  | 38                    |
| 1970 | 37   | 15                            | na                                    | 32  | 32  | 48                      | 5                            | 32   | 1                                  | 30                    |
| 1971 | 46   | 20                            | na                                    | 40  | 40  | 53                      | 19                           | 40   | 1                                  | 39                    |
| 1972 | 37   | 16                            | na                                    | 32  | 32  | 50                      | 8                            | 32   | 1                                  | 31                    |
| 1973 | 49   | 33                            | na                                    | 46  | 46  | 10                      | 66                           | 46   | 1                                  | 45                    |
| 1974 | 33   | 30                            | na                                    | 33  | 33  | 17                      | 41                           | 33   | 1                                  | 32                    |
| 1975 | 58   | 45                            | na                                    | 55  | 55  | 40                      | 62                           | 55   | 1                                  | 54                    |
| 1976 | 85   | 60                            | na                                    | 79  | 79  | 93                      | 77                           | 79   | 1                                  | 78                    |
| 1977 | 83   | 65                            | na                                    | 79  | 79  | 73                      | 82                           | 79   | 1                                  | 78                    |
| 1978 | 84   | 64                            | na                                    | 80  | 80  | 67                      | 86                           | 80   | 0                                  | 79                    |
| 1979 | 91   | 68                            | 12                                    | 98  | 99  | 86                      | 86                           | 98   | 0                                  | 97                    |
| 1980 | 58   | 57                            | 12                                    | 70  | 72  | 42                      | 66                           | 70   | 0                                  | 69                    |
| 1981 | 80   | 58                            | 10                                    | 85  | 86  | 32                      | 100                          | 85   | 0                                  | 84                    |
| 1982 | 81   | 58                            | 9                                     | 85  | 88  | 31                      | 104                          | 85   | 0                                  | 85                    |
| 1983 | 116  | 63                            | 9                                     | 112   | 115   | 49                      | 128                          | 112  | 0                                  | 111                   |
| 1984 | 74   | 44                            | 8                                     | 76  | 78  | 24                      | 91                           | 76   | 0                                  | 75                    |
| 1985 | 65   | 44                            | 10                                    | 70  | 73  | 37                      | 70                           | 70   | 0                                  | 69                    |
| 1986 | 120  | 70                            | 3                                     | 112   | 114   | 97                      | 110                          | 112  | 0                                  | 111                   |
| 1987 | 106  | 75                            | 3                                     | 102   | 105   | 120                     | 96                           | 102  | 0                                  | 101                   |
| 1988 | 82   | 47                            | 3                                     | 77  | 80  | 64                      | 75                           | 77   | 0                                  | 76                    |
| 1989 | 45   | 22                            | 3                                     | 43  | 46  | 29                      | 42                           | 43   | 0                                  | 42                    |
| 1990 | 58   | 29                            | 4                                     | 55  | 58  | 40                      | 52                           | 55   | 0                                  | 54                    |
| 1991 | 73   | 38                            | 5                                     | 70  | 74  | 51                      | 66                           | 70   | 1                                  | 69                    |
| 1992 | 42   | 27                            | 5                                     | 43  | 51  | 38                      | 39                           | 43   | 0                                  | 42                    |
| 1993 | 54   | 31                            | 5                                     | 54  | 66  | 37                      | 51                           | 54   | 0                                  | 53                    |
| 1994 | 49   | 28                            | 4                                     | 49  | 63  | 39                      | 45                           | 49   | 0                                  | 48                    |
| 1995 | 37   | 19                            | 5                                     | 37  | 54  | 25                      | 34                           | 37   | 0                                  | 37                    |
| 1996 | 27   | 14                            | 4                                     | 28  | 44  | 7                       | 33                           | 28   | 0                                  | 27                    |
| 1997 | 29   | 16                            | 4                                     | 30  | 46  | 9                       | 33                           | 30   | 0                                  | 29                    |
| 1998 | 48   | 25                            | 4                                     | 46  | 63  | 26                      | 47                           | 46   | 0                                  | 45                    |
| 1999 | 66   | 33                            | 4                                     | 62  | 79  | 32                      | 66                           | 62   | 0                                  | 61                    |
| 2000 | 37   | 18                            | 3                                     | 36  | 54  | 11                      | 43                           | 36   | 0                                  | 35                    |
| 2001 | 28   | 14                            | 4                                     | 28  | 45  | 7                       | 31                           | 28   | 0                                  | 28                    |
| 2002 | 35   | 18                            | 5                                     | 36  | 53  | 9                       | 41                           | 36   | 0                                  | 35                    |
| 2003 | 37   | 19                            | 5                                     | 38  | 57  | 8                       | 45                           | 38   | 0                                  | 37                    |
| 2004 | 33   | 16                            | 4                                     | 33  | 51  | 7                       | 39                           | 33   | 0                                  | 32                    |
| 2005 | 18   | 9                             | 4                                     | 18  | 37  | 0                       | 25                           | 18   | 0                                  | 17                    |
| 2006 | 14   | 7                             | 4                                     | 15  | 37  | 0                       | 20                           | 15   | 0                                  | 15                    |
| 2007 | 11   | 6                             | 4                                     | 13  | 31  | 0                       | 18                           | 13   | 0                                  | 12                    |

- a. NRAs including assistance to nontradables and via inputs and other forms of non-product-specific (NPS) assistance without and (in column (5)) with decoupled support.
- b. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors (columns 8 and 9), respectively, so it excludes decoupled payments but includes all NPS support.
- c. Including NPS but excluding decoupled payments, so more than the weighted average of columns (6) and (7).

Appendix Table 2 (continued): Annual distortion estimates, **Denmark**, 1956 to 2007  
(c) Value shares of primary production of covered<sup>a</sup> and non-covered products,  
(percent)

|      | Barle<br>y | Beef | Egg | Milk | Oat | Pigm<br>eat | Potat<br>o | Poult<br>ry | Rape<br>seed | Shee<br>pmea<br>t | Suga<br>r | Tom<br>ato | Whe<br>at | Non-<br>cover<br>ed |
|------|------------|------|-----|------|-----|-------------|------------|-------------|--------------|-------------------|-----------|------------|-----------|---------------------|
| 1956 | 15         | 6    | 8   | 11   | 6   | 21          | 6          | 1           | 0            | na                | 1         | na         | 2         | 23                  |
| 1957 | 14         | 7    | 7   | 10   | 5   | 23          | 5          | 1           | 0            | na                | 3         | na         | 2         | 23                  |
| 1958 | 13         | 7    | 6   | 12   | 4   | 25          | 4          | 2           | 0            | na                | 2         | na         | 2         | 22                  |
| 1959 | 12         | 7    | 7   | 11   | 3   | 27          | 4          | 2           | 0            | na                | 1         | na         | 2         | 23                  |
| 1960 | 13         | 7    | 6   | 11   | 4   | 27          | 6          | 2           | 0            | na                | 1         | na         | 2         | 22                  |
| 1961 | 12         | 8    | 7   | 9    | 3   | 28          | 3          | 3           | 0            | na                | 1         | na         | 3         | 23                  |
| 1962 | 17         | 9    | 5   | 8    | 3   | 22          | 3          | 3           | 1            | na                | 1         | na         | 3         | 24                  |
| 1963 | 15         | 10   | 5   | 9    | 3   | 23          | 3          | 3           | 0            | na                | 3         | na         | 2         | 24                  |
| 1964 | 17         | 9    | 3   | 10   | 3   | 24          | 2          | 3           | 1            | na                | 2         | na         | 2         | 23                  |
| 1965 | 19         | 11   | 4   | 9    | 3   | 22          | 2          | 3           | 1            | na                | 1         | na         | 3         | 23                  |
| 1966 | 19         | 12   | 4   | 10   | 4   | 21          | 2          | 3           | 0            | na                | 1         | na         | 2         | 24                  |
| 1967 | 18         | 12   | 4   | 9    | 4   | 21          | 2          | 3           | 1            | na                | 1         | na         | 2         | 24                  |
| 1968 | 19         | 12   | 4   | 9    | 4   | 21          | 2          | 3           | 0            | na                | 1         | na         | 2         | 23                  |
| 1969 | 23         | 12   | 4   | 9    | 3   | 19          | 1          | 3           | 0            | na                | 1         | na         | 2         | 23                  |
| 1970 | 22         | 11   | 4   | 8    | 3   | 20          | 2          | 3           | 0            | na                | 1         | na         | 3         | 23                  |
| 1971 | 21         | 11   | 3   | 9    | 3   | 21          | 2          | 2           | 1            | na                | 2         | na         | 3         | 23                  |
| 1972 | 26         | 8    | 3   | 9    | 3   | 19          | 1          | 2           | 1            | na                | 2         | na         | 4         | 23                  |
| 1973 | 25         | 9    | 3   | 8    | 2   | 19          | 2          | 2           | 1            | 0                 | 3         | 0          | 4         | 22                  |
| 1974 | 25         | 13   | 1   | 8    | 2   | 16          | 2          | 2           | 1            | 0                 | 5         | 0          | 4         | 20                  |
| 1975 | 20         | 14   | 2   | 9    | 1   | 21          | 2          | 2           | 2            | 0                 | 3         | 0          | 3         | 21                  |
| 1976 | 23         | 15   | 2   | 8    | 1   | 18          | 1          | 2           | 1            | 0                 | 2         | 0          | 4         | 22                  |
| 1977 | 20         | 16   | 2   | 5    | 1   | 22          | 2          | 3           | 1            | 0                 | 1         | 0          | 4         | 22                  |
| 1978 | 22         | 16   | 2   | 6    | 1   | 21          | 2          | 3           | 1            | 0                 | 1         | 0          | 3         | 22                  |
| 1979 | 20         | 18   | 2   | 7    | 0   | 19          | 2          | 3           | 1            | 0                 | 3         | 0          | 3         | 22                  |
| 1980 | 23         | 16   | 2   | 6    | 1   | 21          | 2          | 2           | 1            | 0                 | 4         | 0          | 2         | 20                  |
| 1981 | 26         | 13   | 2   | 8    | 1   | 17          | 2          | 2           | 2            | 0                 | 2         | 0          | 3         | 22                  |
| 1982 | 28         | 10   | 2   | 8    | 1   | 16          | 2          | 2           | 3            | 0                 | 2         | 0          | 4         | 22                  |
| 1983 | 19         | 5    | 2   | 11   | 0   | 21          | 2          | 3           | 3            | 0                 | 1         | 0          | 7         | 25                  |
| 1984 | 24         | 4    | 2   | 8    | 1   | 19          | 3          | 2           | 5            | 0                 | 1         | 0          | 9         | 23                  |
| 1985 | 18         | 4    | 2   | 8    | 1   | 29          | 2          | 2           | 5            | 0                 | 1         | 0          | 6         | 22                  |
| 1986 | 10         | 6    | 2   | 9    | 0   | 32          | 3          | 2           | 4            | 0                 | 1         | 0          | 6         | 24                  |
| 1987 | 7          | 9    | 2   | 6    | 0   | 38          | 3          | 2           | 3            | 0                 | 1         | 0          | 6         | 23                  |
| 1988 | 12         | 8    | 1   | 12   | 1   | 27          | 3          | 2           | 3            | 0                 | 1         | 0          | 5         | 24                  |
| 1989 | 10         | 6    | 1   | 15   | 0   | 29          | 3          | 2           | 3            | 0                 | 2         | 0          | 8         | 22                  |
| 1990 | 8          | 5    | 1   | 12   | 0   | 32          | 3          | 2           | 3            | 0                 | 2         | 0          | 8         | 23                  |
| 1991 | 8          | 4    | 1   | 13   | 0   | 33          | 4          | 2           | 3            | 0                 | 1         | 0          | 6         | 25                  |
| 1992 | 4          | 5    | 1   | 12   | 0   | 41          | 3          | 2           | 1            | 0                 | 1         | 0          | 7         | 23                  |
| 1993 | 5          | 7    | 1   | 13   | 0   | 34          | 2          | 2           | 2            | 0                 | 1         | 0          | 9         | 23                  |
| 1994 | 5          | 6    | 2   | 13   | 0   | 34          | 4          | 2           | 2            | 0                 | 2         | 0          | 7         | 23                  |
| 1995 | 7          | 5    | 1   | 14   | 0   | 31          | 5          | 1           | 1            | 0                 | 1         | 0          | 10        | 23                  |
| 1996 | 8          | 4    | 1   | 14   | 0   | 32          | 2          | 2           | 1            | 0                 | 1         | 0          | 12        | 22                  |
| 1997 | 7          | 3    | 1   | 13   | 0   | 35          | 2          | 2           | 1            | 0                 | 1         | 0          | 11        | 23                  |
| 1998 | 5          | 4    | 1   | 15   | 0   | 31          | 4          | 3           | 2            | 0                 | 1         | 0          | 10        | 24                  |
| 1999 | 7          | 4    | 1   | 16   | 0   | 26          | 5          | 2           | 2            | 0                 | 1         | 0          | 9         | 26                  |
| 2000 | 8          | 3    | 1   | 17   | 0   | 30          | 2          | 2           | 1            | 0                 | 1         | 0          | 9         | 23                  |
| 2001 | 7          | 2    | 1   | 16   | 0   | 34          | 3          | 2           | 1            | 0                 | 1         | 0          | 8         | 23                  |
| 2002 | 8          | 3    | 1   | 15   | 1   | 33          | 3          | 3           | 1            | 0                 | 1         | 0          | 8         | 24                  |
| 2003 | 7          | 3    | 2   | 15   | 0   | 30          | 3          | 2           | 2            | 0                 | 1         | 0          | 10        | 25                  |
| 2004 | 6          | 3    | 1   | 16   | 0   | 31          | 4          | 2           | 2            | 0                 | 1         | 0          | 10        | 24                  |
| 2005 | 9          | 2    | 2   | 3    | 0   | 41          | 3          | 2           | 2            | 0                 | 0         | 0          | 11        | 24                  |
| 2006 | 7          | 2    | 1   | 3    | 1   | 40          | 4          | 2           | 2            | 0                 | 1         | 0          | 12        | 24                  |
| 2007 | 10         | 2    | 1   | 10   | 1   | 29          | 4          | 2           | 3            | 0                 | 0         | 0          | 14        | 24                  |

a. At farmgate undistorted prices

Appendix Table 2 (continued): Annual distortion estimates, **Denmark**, 1956 to 2007  
 (d) Trade status of covered products<sup>a</sup>

|      | Barle<br>y | Beef | Egg | Milk | Oat | Pigm<br>eat | Potat<br>o | Poult<br>ry | Rape<br>seed | Shee<br>pmea<br>t | Sugar | Toma<br>to | Whea<br>t |
|------|------------|------|-----|------|-----|-------------|------------|-------------|--------------|-------------------|-------|------------|-----------|
| 1956 | M          | X    | X   | X    | M   | X           | X          | X           | X            | na                | X     | na         | M         |
| 1957 | M          | X    | X   | X    | M   | X           | X          | X           | X            | na                | X     | na         | M         |
| 1958 | M          | X    | X   | X    | M   | X           | X          | X           | X            | na                | X     | na         | M         |
| 1959 | M          | X    | X   | X    | M   | X           | X          | X           | X            | na                | X     | na         | M         |
| 1960 | M          | X    | X   | X    | M   | X           | X          | X           | X            | na                | X     | na         | M         |
| 1961 | M          | X    | X   | X    | M   | X           | X          | X           | X            | na                | X     | na         | M         |
| 1962 | M          | X    | X   | X    | M   | X           | X          | X           | X            | na                | X     | na         | M         |
| 1963 | M          | X    | X   | X    | M   | X           | X          | X           | X            | na                | X     | na         | M         |
| 1964 | M          | X    | X   | X    | M   | X           | X          | X           | X            | na                | X     | na         | M         |
| 1965 | M          | X    | X   | X    | M   | X           | X          | X           | X            | na                | X     | na         | M         |
| 1966 | M          | X    | X   | X    | M   | X           | X          | X           | X            | na                | X     | na         | M         |
| 1967 | M          | X    | X   | X    | M   | X           | X          | X           | X            | na                | X     | na         | M         |
| 1968 | M          | X    | X   | X    | M   | X           | X          | X           | X            | na                | X     | na         | M         |
| 1969 | M          | X    | X   | X    | M   | X           | X          | X           | X            | na                | X     | na         | M         |
| 1970 | M          | X    | X   | X    | M   | X           | X          | X           | X            | na                | X     | na         | M         |
| 1971 | M          | X    | X   | X    | M   | X           | X          | X           | X            | na                | X     | na         | M         |
| 1972 | M          | X    | X   | X    | M   | X           | X          | X           | X            | na                | X     | na         | M         |
| 1973 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1974 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1975 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1976 | M          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1977 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1978 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1979 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1980 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1981 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1982 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1983 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1984 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1985 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1986 | M          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1987 | M          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1988 | M          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1989 | M          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | X          | M         |
| 1990 | M          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | X          | M         |
| 1991 | M          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | X          | M         |
| 1992 | M          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | M         |
| 1993 | M          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | M         |
| 1994 | M          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | X          | M         |
| 1995 | M          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | X          | M         |
| 1996 | X          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 1997 | X          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 1998 | M          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 1999 | M          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 2000 | X          | M    | X   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 2001 | X          | M    | X   | M    | M   | M           | M          | M           | M            | M                 | M     | X          | X         |
| 2002 | X          | M    | X   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 2003 | X          | M    | X   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 2004 | X          | M    | X   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 2005 | X          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 2006 | X          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 2007 | X          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |

a. Exportables (X), import-competing products (M) and nontradables (H).

Source: Anderson and Valenzuela (2008), based on author's spreadsheet

Appendix Table 3: Annual distortion estimates, **Finland**, 1956 to 2007

(a) Nominal rates of assistance to covered products

(percent)

|      | Barle<br>y | Beef | Egg | Milk | Oat | Pigm<br>eat | Potat<br>o | Poult<br>ry | Shee<br>pmea<br>t | Sugar | Whea<br>t | All<br>cover<br>ed |
|------|------------|------|-----|------|-----|-------------|------------|-------------|-------------------|-------|-----------|--------------------|
| 1956 | 77         | 109  | na  | 163  | 62  | 57          | 15         | na          | na                | 194   | 20        | 83                 |
| 1957 | 103        | 109  | na  | 213  | 75  | 57          | 15         | na          | na                | 129   | 28        | 103                |
| 1958 | 126        | 109  | na  | 138  | 93  | 57          | 15         | na          | na                | 184   | 38        | 94                 |
| 1959 | 108        | 109  | na  | 178  | 113 | 57          | 15         | na          | na                | 207   | 40        | 107                |
| 1960 | 102        | 109  | na  | 127  | 96  | 57          | 15         | na          | na                | 201   | 44        | 89                 |
| 1961 | 135        | 109  | na  | 213  | 138 | 57          | 15         | na          | na                | 215   | 42        | 121                |
| 1962 | 111        | 109  | na  | 251  | 128 | 57          | 15         | na          | na                | 208   | 83        | 131                |
| 1963 | 107        | 109  | na  | 174  | 135 | 57          | 15         | na          | na                | 75    | 86        | 113                |
| 1964 | 94         | 109  | na  | 117  | 174 | 57          | 15         | na          | na                | 110   | 92        | 106                |
| 1965 | 82         | 109  | na  | 143  | 183 | 57          | 15         | na          | na                | 284   | 113       | 116                |
| 1966 | 82         | 109  | na  | 125  | 180 | 57          | 15         | na          | na                | 331   | 100       | 109                |
| 1967 | 100        | 109  | na  | 131  | 202 | 57          | 15         | na          | na                | 260   | 109       | 118                |
| 1968 | 132        | 109  | na  | 140  | 257 | 57          | 15         | na          | na                | 199   | 151       | 139                |
| 1969 | 81         | 109  | na  | 123  | 242 | 57          | 15         | na          | na                | 166   | 150       | 126                |
| 1970 | 74         | 109  | na  | 115  | 234 | 57          | 15         | na          | na                | 118   | 88        | 116                |
| 1971 | 107        | 109  | na  | 99   | 219 | 57          | 15         | na          | na                | 84    | 123       | 120                |
| 1972 | 38         | 109  | na  | 73   | 204 | 57          | 15         | na          | na                | 68    | 34        | 89                 |
| 1973 | 3          | 109  | na  | 31   | 155 | 57          | 15         | na          | na                | 35    | 6         | 61                 |
| 1974 | -8         | 109  | na  | 18   | 144 | 57          | 15         | na          | na                | 20    | 11        | 58                 |
| 1975 | 8          | 109  | na  | 20   | 232 | 57          | 15         | na          | na                | 45    | 48        | 82                 |
| 1976 | -10        | 109  | na  | 39   | 189 | 57          | 15         | na          | na                | 68    | 37        | 75                 |
| 1977 | 16         | 109  | na  | 92   | 240 | 57          | 15         | na          | na                | 95    | 27        | 90                 |
| 1978 | 10         | 109  | na  | 55   | 370 | 57          | 15         | na          | na                | 84    | 98        | 98                 |
| 1979 | 19         | 109  | na  | 55   | 430 | 57          | 15         | na          | na                | 40    | 131       | 113                |
| 1980 | -24        | 109  | na  | 55   | 17  | 57          | 15         | na          | na                | 24    | 39        | 40                 |
| 1981 | -37        | 109  | na  | 55   | 72  | 57          | 15         | na          | na                | 42    | 50        | 54                 |
| 1982 | -42        | 109  | na  | 55   | 149 | 57          | 15         | na          | na                | 57    | 82        | 58                 |
| 1983 | -31        | 109  | na  | 55   | 97  | 57          | 15         | na          | na                | 53    | 52        | 46                 |
| 1984 | -44        | 109  | na  | 55   | 77  | 57          | 15         | na          | na                | 69    | 59        | 36                 |
| 1985 | 135        | 109  | na  | 55   | 84  | 57          | 15         | na          | na                | 70    | 242       | 93                 |
| 1986 | 414        | 109  | 68  | 195  | 258 | 57          | 15         | 62          | 233               | 325   | 224       | 153                |
| 1987 | 581        | 131  | 42  | 230  | 215 | 70          | 15         | 82          | 355               | 489   | 403       | 163                |
| 1988 | 302        | 202  | 60  | 227  | 125 | 95          | 15         | 104         | 425               | 204   | 297       | 173                |
| 1989 | 242        | 147  | 69  | 200  | 168 | 88          | 15         | 59          | 335               | 124   | 239       | 152                |
| 1990 | 345        | 173  | 105 | 213  | 251 | 86          | 15         | 64          | 381               | 103   | 198       | 172                |
| 1991 | 339        | 167  | 73  | 226  | 193 | 75          | 15         | 27          | 346               | 216   | 267       | 166                |
| 1992 | 277        | 164  | 74  | 207  | 165 | 51          | 15         | 7           | 271               | 372   | 208       | 142                |
| 1993 | 258        | 130  | 52  | 182  | 113 | 90          | 15         | 6           | 126               | 243   | 145       | 137                |
| 1994 | 305        | 151  | 73  | 194  | 181 | 98          | 15         | 23          | 155               | 208   | 272       | 156                |
| 1995 | 41         | 69   | 12  | 79   | 40  | 16          | 15         | 129         | 77                | 119   | 16        | 51                 |
| 1996 | 2          | 68   | 5   | 70   | 34  | 16          | 14         | 77          | 45                | 140   | 0         | 39                 |
| 1997 | 7          | 117  | 1   | 78   | 25  | 13          | 12         | 55          | 27                | 147   | 0         | 45                 |
| 1998 | 64         | 121  | 11  | 100  | 50  | 22          | 11         | 51          | 38                | 186   | 26        | 69                 |
| 1999 | 44         | 125  | 16  | 106  | 84  | 57          | 11         | 90          | 37                | 245   | 37        | 78                 |
| 2000 | 3          | 113  | 3   | 57   | 59  | 32          | 10         | 57          | 26                | 176   | 11        | 45                 |
| 2001 | 0          | 140  | 0   | 40   | 29  | 24          | 10         | 52          | 48                | 138   | 4         | 35                 |
| 2002 | 0          | 157  | 0   | 75   | 0   | 24          | 10         | 56          | 35                | 161   | 0         | 43                 |
| 2003 | 1          | 157  | 0   | 70   | 1   | 33          | 10         | 54          | 46                | 240   | 2         | 45                 |
| 2004 | 1          | 92   | 0   | 62   | 23  | 27          | 10         | 101         | 33                | 238   | 2         | 43                 |
| 2005 | 0          | 109  | 0   | 33   | 24  | 19          | 10         | 69          | 54                | 168   | 0         | 25                 |
| 2006 | 0          | 81   | 0   | 24   | 0   | 14          | 10         | 42          | 74                | 66    | 0         | 17                 |
| 2007 | 0          | 66   | 0   | 0    | 0   | 18          | 10         | 99          | 68                | 99    | 0         | 8                  |



Appendix Table 3 (continued): Annual distortion estimates, **Finland**, 1956 to 2007

(b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup> and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural industries (percent)

|      | NRA, all agric products, <sup>a</sup> by component |                               |                                       |   |   | NRA, agric tradables    |                              |  | NRA, all non-ag tradable goods (9) | RRA <sup>b</sup> (10) |
|------|--|-------------------------------|---------------------------------------|---|---|-------------------------|------------------------------|--|------------------------------------|-----------------------|
|      | NRA, covered products (1)                          | NRA, non-covered products (2) | NRA, non-product-specific support (3) | NRA, all ag products (incl NPS and decoupled) (4)=1+2+3 (5) | NRA, all ag products (incl NPS and decoupled) (5) | NRA, ag exportables (6) | NRA, ag import-competing (7) | NRA, all agric tradable goods <sup>c</sup> (8)=6+7 |                                    |                       |
| 1956 | 83   | 29                            | na                                    | 69  | 69  | 50                      | 82                           | 69   | 10                                 | 54                    |
| 1957 | 103  | 38                            | na                                    | 86  | 86  | 61                      | 105                          | 86   | 9                                  | 71                    |
| 1958 | 94   | 35                            | na                                    | 78  | 78  | 70                      | 84                           | 78   | 8                                  | 64                    |
| 1959 | 107  | 41                            | na                                    | 90  | 90  | 77                      | 100                          | 90   | 8                                  | 76                    |
| 1960 | 89   | 31                            | na                                    | 74  | 74  | 67                      | 79                           | 74   | 7                                  | 63                    |
| 1961 | 121  | 46                            | na                                    | 101   | 101   | 89                      | 109                          | 101  | 6                                  | 89                    |
| 1962 | 131  | 46                            | na                                    | 108   | 108   | 76                      | 128                          | 108  | 6                                  | 97                    |
| 1963 | 113  | 41                            | na                                    | 94  | 94  | 83                      | 101                          | 94   | 4                                  | 87                    |
| 1964 | 106  | 38                            | na                                    | 88  | 88  | 88                      | 88                           | 88   | 4                                  | 81                    |
| 1965 | 116  | 42                            | na                                    | 97  | 97  | 100                     | 94                           | 97   | 5                                  | 88                    |
| 1966 | 109  | 38                            | na                                    | 91  | 91  | 94                      | 88                           | 91   | 5                                  | 82                    |
| 1967 | 118  | 42                            | na                                    | 98  | 98  | 105                     | 93                           | 98   | 4                                  | 90                    |
| 1968 | 139  | 53                            | na                                    | 116   | 116   | 137                     | 101                          | 116  | 7                                  | 103                   |
| 1969 | 126  | 46                            | na                                    | 105   | 105   | 119                     | 94                           | 105  | 3                                  | 99                    |
| 1970 | 116  | 41                            | na                                    | 96  | 96  | 116                     | 79                           | 96   | 2                                  | 92                    |
| 1971 | 120  | 41                            | na                                    | 99  | 99  | 122                     | 79                           | 99   | 2                                  | 96                    |
| 1972 | 89   | 29                            | na                                    | 74  | 74  | 90                      | 59                           | 74   | 2                                  | 70                    |
| 1973 | 61   | 16                            | na                                    | 50  | 50  | 64                      | 39                           | 50   | 2                                  | 48                    |
| 1974 | 58   | 14                            | na                                    | 48  | 48  | 57                      | 42                           | 48   | 1                                  | 46                    |
| 1975 | 82   | 24                            | na                                    | 68  | 68  | 92                      | 48                           | 68   | 1                                  | 66                    |
| 1976 | 75   | 21                            | na                                    | 62  | 62  | 75                      | 48                           | 62   | 1                                  | 60                    |
| 1977 | 90   | 22                            | na                                    | 73  | 73  | 83                      | 64                           | 73   | 1                                  | 72                    |
| 1978 | 98   | 26                            | na                                    | 80  | 80  | 98                      | 64                           | 80   | 1                                  | 79                    |
| 1979 | 113  | 32                            | na                                    | 93  | 93  | 127                     | 65                           | 93   | 1                                  | 92                    |
| 1980 | 40   | 1                             | na                                    | 32  | 32  | 9                       | 57                           | 32   | 1                                  | 31                    |
| 1981 | 54   | 2                             | na                                    | 42  | 42  | 22                      | 61                           | 42   | 1                                  | 41                    |
| 1982 | 58   | 6                             | na                                    | 46  | 46  | 34                      | 58                           | 46   | 1                                  | 45                    |
| 1983 | 46   | 3                             | na                                    | 37  | 37  | 32                      | 42                           | 37   | 1                                  | 36                    |
| 1984 | 36   | -1                            | na                                    | 28  | 28  | 17                      | 43                           | 28   | 1                                  | 27                    |
| 1985 | 93   | 21                            | na                                    | 75  | 75  | 83                      | 63                           | 75   | 0                                  | 74                    |
| 1986 | 153  | 49                            | 10                                    | 148   | 148   | 152                     | 45                           | 148  | 1                                  | 147                   |
| 1987 | 163  | 37                            | 15                                    | 161   | 161   | 155                     | 86                           | 161  | 1                                  | 159                   |
| 1988 | 173  | 27                            | 10                                    | 157   | 157   | 140                     | 156                          | 157  | 1                                  | 155                   |
| 1989 | 152  | 23                            | 9                                     | 137   | 137   | 148                     | 56                           | 137  | 1                                  | 135                   |
| 1990 | 172  | 34                            | 8                                     | 154   | 154   | 174                     | 24                           | 154  | 1                                  | 152                   |
| 1991 | 166  | 27                            | 9                                     | 149   | 149   | 161                     | 22                           | 149  | 1                                  | 147                   |
| 1992 | 142  | 13                            | 9                                     | 126   | 126   | 139                     | 35                           | 126  | 1                                  | 124                   |
| 1993 | 137  | 17                            | 6                                     | 118   | 118   | 134                     | 34                           | 118  | 1                                  | 116                   |
| 1994 | 156  | 0                             | 6                                     | 125   | 125   | 172                     | 78                           | 125  | 1                                  | 123                   |
| 1995 | 51   | 0                             | 5                                     | 43  | 60  | na                      | 51                           | 43   | 1                                  | 42                    |
| 1996 | 39   | 19                            | 4                                     | 38  | 54  | 12                      | 43                           | 38   | 1                                  | 37                    |
| 1997 | 45   | 22                            | 4                                     | 43  | 60  | 16                      | 48                           | 43   | 1                                  | 42                    |
| 1998 | 69   | 33                            | 4                                     | 63  | 80  | 35                      | 64                           | 63   | 1                                  | 62                    |
| 1999 | 78   | 38                            | 4                                     | 72  | 89  | 38                      | 72                           | 72   | 1                                  | 70                    |
| 2000 | 45   | 22                            | 3                                     | 43  | 60  | 11                      | 52                           | 43   | 1                                  | 42                    |
| 2001 | 35   | 17                            | 4                                     | 34  | 51  | 8                       | 39                           | 34   | 1                                  | 33                    |
| 2002 | 43   | 20                            | 5                                     | 42  | 59  | 12                      | 48                           | 42   | 1                                  | 41                    |
| 2003 | 45   | 22                            | 5                                     | 44  | 63  | 11                      | 52                           | 44   | 1                                  | 42                    |
| 2004 | 43   | 19                            | 4                                     | 41  | 59  | 9                       | 49                           | 41   | 1                                  | 40                    |
| 2005 | 25   | 12                            | 4                                     | 23  | 42  | 0                       | 35                           | 23   | 1                                  | 22                    |
| 2006 | 17   | 8                             | 4                                     | 17  | 39  | 0                       | 23                           | 17   | 1                                  | 16                    |
| 2007 | 8  | 4                             | 4                                     | 10  | 29  | 0                       | 13                           | 10   | 1                                  | 9                     |

- a. NRAs including assistance to nontradables and via inputs and other forms of non-product-specific (NPS) assistance without and (in column (5)) with decoupled support.
- b. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors (columns 8 and 9), respectively, so it excludes decoupled payments but includes all NPS support.
- c. Including NPS but excluding decoupled payments, so more than the weighted average of columns (6) and (7).

Appendix Table 3 (continued): Annual distortion estimates, **Finland**, 1956 to 2007  
(c) Value shares of primary production of covered<sup>a</sup> and non-covered products,  
(percent)

|      | Barle<br>y | Beef | Egg | Milk | Oat | Pigm<br>eat | Potat<br>o | Poult<br>ry | Shee<br>pmea<br>t | Suga<br>r | Whe<br>at | Non-<br>cover<br>ed |
|------|------------|------|-----|------|-----|-------------|------------|-------------|-------------------|-----------|-----------|---------------------|
| 1956 | 6          | 6    | na  | 21   | 14  | 7           | 16         | na          | na                | 0         | 4         | 25                  |
| 1957 | 7          | 6    | na  | 20   | 16  | 8           | 13         | na          | na                | 1         | 4         | 26                  |
| 1958 | 6          | 6    | na  | 24   | 14  | 8           | 11         | na          | na                | 0         | 5         | 26                  |
| 1959 | 7          | 6    | na  | 22   | 15  | 8           | 10         | na          | na                | 0         | 4         | 27                  |
| 1960 | 6          | 5    | na  | 26   | 14  | 8           | 11         | na          | na                | 0         | 5         | 26                  |
| 1961 | 5          | 7    | na  | 19   | 15  | 9           | 8          | na          | na                | 1         | 9         | 27                  |
| 1962 | 5          | 10   | na  | 20   | 12  | 8           | 9          | na          | na                | 1         | 8         | 27                  |
| 1963 | 7          | 10   | na  | 21   | 13  | 7           | 8          | na          | na                | 2         | 6         | 27                  |
| 1964 | 5          | 13   | na  | 25   | 10  | 8           | 5          | na          | na                | 1         | 7         | 26                  |
| 1965 | 7          | 14   | na  | 19   | 13  | 6           | 8          | na          | na                | 0         | 7         | 26                  |
| 1966 | 8          | 14   | na  | 21   | 12  | 6           | 7          | na          | na                | 0         | 5         | 26                  |
| 1967 | 8          | 14   | na  | 19   | 12  | 8           | 5          | na          | na                | 0         | 7         | 26                  |
| 1968 | 8          | 13   | na  | 19   | 13  | 7           | 5          | na          | na                | 0         | 7         | 27                  |
| 1969 | 10         | 15   | na  | 18   | 13  | 7           | 4          | na          | na                | 0         | 6         | 26                  |
| 1970 | 11         | 13   | na  | 15   | 15  | 7           | 6          | na          | na                | 1         | 6         | 26                  |
| 1971 | 10         | 14   | na  | 16   | 16  | 8           | 4          | na          | na                | 1         | 5         | 26                  |
| 1972 | 13         | 12   | na  | 15   | 14  | 8           | 4          | na          | na                | 2         | 7         | 25                  |
| 1973 | 12         | 13   | na  | 15   | 14  | 8           | 4          | na          | na                | 2         | 9         | 24                  |
| 1974 | 11         | 18   | na  | 14   | 12  | 7           | 3          | na          | na                | 3         | 10        | 22                  |
| 1975 | 11         | 16   | na  | 13   | 13  | 9           | 4          | na          | na                | 1         | 9         | 24                  |
| 1976 | 15         | 14   | na  | 10   | 16  | 7           | 4          | na          | na                | 1         | 10        | 24                  |
| 1977 | 13         | 19   | na  | 9    | 11  | 12          | 5          | na          | na                | 1         | 6         | 24                  |
| 1978 | 15         | 20   | na  | 11   | 9   | 11          | 5          | na          | na                | 1         | 3         | 25                  |
| 1979 | 14         | 22   | na  | 12   | 10  | 10          | 5          | na          | na                | 2         | 2         | 24                  |
| 1980 | 14         | 18   | na  | 9    | 19  | 9           | 4          | na          | na                | 3         | 3         | 21                  |
| 1981 | 14         | 19   | na  | 15   | 14  | 9           | 3          | na          | na                | 1         | 2         | 22                  |
| 1982 | 19         | 15   | na  | 14   | 13  | 8           | 3          | na          | na                | 1         | 4         | 22                  |
| 1983 | 18         | 6    | na  | 15   | 18  | 9           | 5          | na          | na                | 1         | 6         | 22                  |
| 1984 | 20         | 6    | na  | 14   | 17  | 10          | 5          | na          | na                | 1         | 5         | 22                  |
| 1985 | 18         | 6    | na  | 14   | 14  | 13          | 4          | na          | na                | 1         | 4         | 25                  |
| 1986 | 5          | 16   | 5   | 26   | 5   | 19          | 3          | 2           | 0                 | 1         | 4         | 14                  |
| 1987 | 3          | 17   | 6   | 27   | 4   | 21          | 3          | 2           | 0                 | 0         | 1         | 14                  |
| 1988 | 8          | 11   | 5   | 25   | 7   | 17          | 4          | 2           | 0                 | 2         | 2         | 18                  |
| 1989 | 8          | 12   | 4   | 22   | 9   | 15          | 5          | 2           | 0                 | 2         | 3         | 18                  |
| 1990 | 6          | 11   | 3   | 23   | 7   | 16          | 5          | 2           | 0                 | 2         | 5         | 19                  |
| 1991 | 7          | 12   | 4   | 23   | 6   | 17          | 4          | 4           | 0                 | 1         | 3         | 19                  |
| 1992 | 6          | 11   | 4   | 23   | 6   | 19          | 4          | 4           | 0                 | 1         | 2         | 20                  |
| 1993 | 7          | 10   | 4   | 24   | 8   | 14          | 3          | 4           | 0                 | 1         | 3         | 20                  |
| 1994 | 7          | 10   | 3   | 23   | 6   | 13          | 6          | 4           | 0                 | 1         | 2         | 24                  |
| 1995 | 9          | 9    | 3   | 24   | 6   | 11          | 9          | 1           | 0                 | 1         | 3         | 24                  |
| 1996 | 13         | 8    | 4   | 24   | 7   | 12          | 4          | 2           | 0                 | 1         | 4         | 24                  |
| 1997 | 12         | 6    | 3   | 23   | 7   | 14          | 3          | 2           | 0                 | 2         | 3         | 24                  |
| 1998 | 6          | 8    | 3   | 27   | 5   | 12          | 6          | 3           | 0                 | 1         | 3         | 26                  |
| 1999 | 9          | 8    | 3   | 26   | 4   | 9           | 9          | 2           | 0                 | 1         | 2         | 27                  |
| 2000 | 12         | 6    | 3   | 27   | 6   | 10          | 4          | 2           | 0                 | 1         | 3         | 24                  |
| 2001 | 10         | 4    | 3   | 30   | 6   | 12          | 4          | 3           | 0                 | 1         | 3         | 24                  |
| 2002 | 10         | 5    | 3   | 25   | 10  | 11          | 5          | 3           | 0                 | 1         | 3         | 25                  |
| 2003 | 10         | 5    | 4   | 25   | 7   | 10          | 4          | 3           | 0                 | 1         | 5         | 26                  |
| 2004 | 10         | 6    | 3   | 28   | 4   | 11          | 5          | 2           | 0                 | 1         | 5         | 25                  |
| 2005 | 17         | 6    | 4   | 13   | 5   | 15          | 5          | 3           | 0                 | 1         | 6         | 24                  |
| 2006 | 14         | 5    | 3   | 24   | 8   | 9           | 5          | 2           | 0                 | 1         | 5         | 24                  |
| 2007 | 21         | 3    | 2   | 17   | 10  | 7           | 5          | 2           | 0                 | 0         | 8         | 24                  |

a. At farmgate undistorted prices

Appendix Table 3 (continued): Annual distortion estimates, **Finland**, 1956 to 2007  
 (d) Trade status of covered products<sup>a</sup>

|      | Barle<br>y | Beef | Egg | Milk | Oat | Pigm<br>eat | Potat<br>o | Poult<br>ry | Shee<br>pmea<br>t | Sugar | Whea<br>t |
|------|------------|------|-----|------|-----|-------------|------------|-------------|-------------------|-------|-----------|
| 1956 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1957 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1958 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1959 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1960 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1961 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1962 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1963 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1964 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1965 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1966 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1967 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1968 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1969 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1970 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1971 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1972 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1973 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1974 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1975 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1976 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1977 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1978 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1979 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1980 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1981 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1982 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1983 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1984 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1985 | X          | M    | na  | M    | X   | X           | M          | na          | na                | M     | M         |
| 1986 | X          | X    | X   | X    | X   | X           | M          | H           | H                 | M     | X         |
| 1987 | X          | X    | X   | X    | X   | X           | M          | H           | M                 | M     | M         |
| 1988 | X          | X    | X   | M    | X   | X           | M          | M           | M                 | M     | M         |
| 1989 | X          | X    | X   | X    | X   | X           | M          | M           | M                 | M     | M         |
| 1990 | X          | X    | X   | X    | X   | X           | M          | M           | M                 | M     | X         |
| 1991 | X          | X    | X   | X    | X   | X           | M          | X           | M                 | M     | X         |
| 1992 | X          | X    | X   | X    | X   | X           | M          | M           | M                 | M     | M         |
| 1993 | X          | X    | X   | X    | X   | X           | M          | M           | M                 | M     | M         |
| 1994 | X          | X    | X   | X    | X   | X           | M          | M           | M                 | M     | M         |
| 1995 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M     | M         |
| 1996 | X          | M    | M   | M    | M   | M           | M          | M           | M                 | M     | X         |
| 1997 | X          | M    | M   | M    | M   | M           | M          | M           | M                 | M     | X         |
| 1998 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M     | X         |
| 1999 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M     | X         |
| 2000 | X          | M    | X   | M    | M   | M           | M          | M           | M                 | M     | X         |
| 2001 | X          | M    | X   | M    | M   | M           | M          | M           | M                 | M     | X         |
| 2002 | X          | M    | X   | M    | M   | M           | M          | M           | M                 | M     | X         |
| 2003 | X          | M    | X   | M    | M   | M           | M          | M           | M                 | M     | X         |
| 2004 | X          | M    | X   | M    | M   | M           | M          | M           | M                 | M     | X         |
| 2005 | X          | M    | M   | M    | M   | M           | M          | M           | M                 | M     | X         |
| 2006 | X          | M    | M   | M    | M   | M           | M          | M           | M                 | M     | X         |
| 2007 | X          | M    | M   | M    | M   | M           | M          | M           | M                 | M     | X         |

a. Exportables (X), import-competing products (M) and nontradables (H).

Source: Anderson and Valenzuela (2008), based on author's spreadsheet

Appendix Table 4: Annual distortion estimates, **France**, 1956 to 2007

(a) Nominal rates of assistance to covered products

|      | (percent) |      |     |       |      |     |             |        |         |              |
|------|-----------|------|-----|-------|------|-----|-------------|--------|---------|--------------|
|      | Barley    | Beef | Egg | Maize | Milk | Oat | Pigmea<br>t | Potato | Poultry | Rapese<br>ed |
| 1956 | 8         | -13  | 18  | -22   | 196  | -24 | 19          | na     | 190     | 73           |
| 1957 | 21        | -3   | 38  | 1     | 245  | 6   | 45          | na     | 198     | 71           |
| 1958 | 74        | 17   | 89  | 43    | 154  | 22  | 36          | na     | 178     | 64           |
| 1959 | 30        | -5   | 50  | 20    | 187  | -7  | 8           | na     | 124     | 32           |
| 1960 | 20        | 9    | 29  | 8     | 91   | -22 | 5           | na     | 61      | -46          |
| 1961 | 40        | 3    | 26  | -9    | 201  | 36  | 25          | na     | 91      | 21           |
| 1962 | 75        | 127  | 22  | 47    | 421  | 49  | 120         | na     | 80      | 0            |
| 1963 | 69        | 103  | 11  | 44    | 339  | 51  | 117         | na     | 73      | 0            |
| 1964 | 60        | 86   | 25  | 41    | 277  | 41  | 87          | na     | 57      | 0            |
| 1965 | 52        | 62   | 32  | 45    | 320  | 48  | 133         | na     | 61      | 0            |
| 1966 | 54        | 51   | 16  | 36    | 296  | 42  | 149         | na     | 59      | 0            |
| 1967 | 69        | 53   | 15  | 49    | 310  | 43  | 129         | na     | 51      | 0            |
| 1968 | 99        | 73   | 20  | 77    | 337  | 54  | 132         | na     | 51      | 0            |
| 1969 | 54        | 73   | 16  | 66    | 307  | 41  | 152         | na     | 48      | 0            |
| 1970 | 54        | 71   | -4  | 41    | 308  | 48  | 142         | na     | 43      | 0            |
| 1971 | 89        | 69   | 3   | 48    | 317  | 31  | 136         | na     | 162     | 0            |
| 1972 | 37        | 89   | -5  | 73    | 300  | 14  | 114         | 54     | 106     | 0            |
| 1973 | -7        | 34   | -17 | 19    | 208  | 0   | 106         | 57     | 74      | 0            |
| 1974 | 3         | -4   | 30  | 2     | 210  | 7   | 69          | 18     | 54      | 0            |
| 1975 | 23        | 11   | 16  | 22    | 264  | 23  | 65          | 49     | 60      | 0            |
| 1976 | 20        | 26   | 5   | 39    | 366  | 10  | 122         | 327    | 69      | 0            |
| 1977 | 56        | 11   | 41  | 72    | 598  | 35  | 65          | 71     | 61      | 0            |
| 1978 | 49        | 11   | 13  | 81    | 488  | 74  | 78          | -15    | 49      | 0            |
| 1979 | 75        | 0    | 41  | 67    | 440  | 80  | 109         | 17     | 38      | 0            |
| 1980 | 17        | -1   | 22  | 62    | 434  | -27 | 71          | 7      | 37      | 0            |
| 1981 | 7         | 23   | 2   | 43    | 330  | -2  | 148         | 73     | 72      | 0            |
| 1982 | 8         | 49   | 18  | 66    | 313  | 22  | 125         | 95     | 99      | 0            |
| 1983 | 32        | 264  | 40  | 29    | 287  | -1  | 129         | 87     | 73      | 0            |
| 1984 | 6         | 265  | 3   | 15    | 311  | 8   | 81          | -24    | 95      | 0            |
| 1985 | 18        | 293  | 8   | 28    | 282  | -6  | 22          | 11     | 91      | 0            |
| 1986 | 157       | 188  | 31  | 110   | 361  | 83  | 40          | 17     | 79      | 153          |
| 1987 | 233       | 107  | 21  | 170   | 533  | 77  | 11          | 17     | 90      | 145          |
| 1988 | 85        | 80   | 21  | 79    | 192  | 14  | 34          | 17     | 69      | 112          |
| 1989 | 45        | 79   | 29  | 62    | 84   | 15  | 14          | 17     | 66      | 140          |
| 1990 | 94        | 98   | 12  | 108   | 125  | 48  | 7           | 16     | 100     | 200          |
| 1991 | 119       | 157  | 13  | 120   | 128  | 39  | 20          | 16     | 83      | 97           |
| 1992 | 103       | 93   | 15  | 103   | 118  | 63  | 0           | 17     | 118     | 0            |
| 1993 | 105       | 63   | 10  | 69    | 123  | 44  | 18          | 17     | 110     | 0            |
| 1994 | 100       | 53   | 0   | 45    | 117  | 43  | 18          | 16     | 114     | 0            |
| 1995 | 41        | 69   | 12  | 53    | 79   | 40  | 16          | 15     | 129     | 0            |
| 1996 | 2         | 68   | 5   | 14    | 70   | 34  | 16          | 14     | 77      | 0            |
| 1997 | 7         | 117  | 1   | 19    | 78   | 25  | 13          | 12     | 55      | 0            |
| 1998 | 64        | 121  | 11  | 32    | 100  | 50  | 22          | 11     | 51      | 0            |
| 1999 | 44        | 125  | 16  | 39    | 106  | 84  | 57          | 11     | 90      | 0            |
| 2000 | 3         | 113  | 3   | 27    | 57   | 59  | 32          | 10     | 57      | 1            |
| 2001 | 0         | 140  | 0   | 14    | 40   | 29  | 24          | 10     | 52      | 0            |
| 2002 | 0         | 157  | 0   | 9     | 75   | 0   | 24          | 10     | 56      | 0            |
| 2003 | 1         | 157  | 0   | 34    | 70   | 1   | 33          | 10     | 54      | 0            |
| 2004 | 1         | 92   | 0   | 39    | 62   | 23  | 27          | 10     | 101     | 0            |
| 2005 | 0         | 109  | 0   | 19    | 33   | 24  | 19          | 10     | 69      | 0            |
| 2006 | 0         | 86   | 0   | 19    | 24   | 0   | 15          | 10     | 69      | 0            |
| 2007 | 0         | 71   | 0   | 21    | 0    | 0   | 18          | 10     | 100     | 0            |

|      | Rice | Sheep<br>meat | Soybea<br>n | Sugar | Sunflo<br>wer | Tomato | Wheat | Wine | All<br>cover<br>ed |
|------|------|---------------|-------------|-------|---------------|--------|-------|------|--------------------|
| 1956 | 57   | 222           | na          | 118   | 5             | na     | 51    | -31  | 32                 |
| 1957 | 42   | 261           | na          | 66    | 15            | na     | 15    | -16  | 47                 |
| 1958 | 25   | 219           | na          | 153   | 20            | na     | 33    | 78   | 73                 |
| 1959 | 9    | 180           | na          | 205   | 9             | na     | 23    | -6   | 40                 |
| 1960 | 8    | 118           | na          | 125   | 9             | na     | 18    | -42  | 16                 |
| 1961 | -9   | 176           | na          | 160   | 3             | -17    | 23    | -39  | 32                 |
| 1962 | -15  | 279           | na          | 185   | 0             | 22     | 78    | 4    | 79                 |
| 1963 | -20  | 231           | na          | 13    | 0             | 22     | 86    | 4    | 71                 |
| 1964 | -19  | 226           | na          | 63    | 0             | 22     | 70    | 4    | 67                 |
| 1965 | 8    | 203           | na          | 330   | 0             | 22     | 74    | 4    | 72                 |
| 1966 | -12  | 372           | na          | 410   | 0             | 22     | 63    | 4    | 71                 |
| 1967 | -24  | 373           | na          | 319   | 0             | 22     | 64    | 4    | 73                 |
| 1968 | -2   | 382           | na          | 232   | 0             | 22     | 73    | 4    | 82                 |
| 1969 | 25   | 386           | na          | 183   | 0             | 22     | 62    | 4    | 77                 |
| 1970 | 43   | 372           | na          | 100   | 0             | 22     | 24    | 4    | 60                 |
| 1971 | -12  | 367           | na          | 47    | 0             | 22     | 55    | 4    | 73                 |
| 1972 | -31  | 385           | na          | 46    | 0             | 22     | -2    | 4    | 59                 |
| 1973 | -61  | 322           | 0           | -30   | 0             | 22     | -30   | 4    | 24                 |
| 1974 | -55  | 255           | 0           | -51   | 0             | 22     | -23   | 4    | 16                 |
| 1975 | -19  | 267           | 0           | 28    | 0             | 22     | -9    | 4    | 37                 |
| 1976 | 0    | 342           | 0           | 99    | 0             | 22     | -16   | 4    | 52                 |
| 1977 | -10  | 281           | 0           | 230   | 0             | 22     | -21   | 4    | 52                 |
| 1978 | 16   | 263           | 0           | 230   | 0             | 22     | 23    | 4    | 59                 |
| 1979 | -15  | 230           | 0           | 70    | 0             | 22     | 35    | 4    | 57                 |
| 1980 | -38  | 207           | 0           | 13    | 0             | 22     | 45    | 4    | 50                 |
| 1981 | 1    | 183           | 0           | 74    | 0             | 11     | 44    | 17   | 68                 |
| 1982 | 17   | 181           | 0           | 152   | 0             | 31     | 51    | 15   | 78                 |
| 1983 | -10  | 203           | 0           | 196   | 0             | 19     | 28    | 10   | 89                 |
| 1984 | 41   | 172           | 0           | 268   | 0             | 26     | 20    | 7    | 69                 |
| 1985 | 105  | 95            | 0           | 297   | 0             | 26     | 31    | -25  | 61                 |
| 1986 | 127  | 134           | 211         | 247   | 144           | 17     | 119   | 9    | 114                |
| 1987 | 190  | 211           | 169         | 301   | 150           | 15     | 143   | 9    | 118                |
| 1988 | 162  | 215           | 108         | 201   | 96            | 15     | 94    | 7    | 82                 |
| 1989 | 148  | 167           | 118         | 90    | 150           | 0      | 31    | 6    | 50                 |
| 1990 | 152  | 154           | 147         | 109   | 143           | 2      | 57    | 8    | 66                 |
| 1991 | 144  | 128           | 159         | 191   | 111           | 0      | 146   | 9    | 90                 |
| 1992 | 143  | 112           | 0           | 212   | 0             | 0      | 65    | 13   | 62                 |
| 1993 | 106  | 38            | 0           | 169   | 0             | 8      | 58    | 13   | 60                 |
| 1994 | 133  | 55            | 0           | 129   | 0             | 11     | 48    | 10   | 50                 |
| 1995 | 88   | 77            | 0           | 119   | 0             | 0      | 16    | 4    | 39                 |
| 1996 | 33   | 45            | 0           | 140   | 0             | 2      | 0     | 4    | 28                 |
| 1997 | 31   | 27            | 0           | 147   | 0             | 0      | 0     | 5    | 32                 |
| 1998 | 18   | 38            | 0           | 186   | 0             | 0      | 26    | 3    | 43                 |
| 1999 | 0    | 37            | 0           | 245   | 0             | 0      | 37    | 2    | 49                 |
| 2000 | 1    | 26            | 0           | 176   | 0             | 0      | 11    | 2    | 33                 |
| 2001 | 42   | 48            | 0           | 138   | 0             | 0      | 4     | 2    | 27                 |
| 2002 | 24   | 35            | 0           | 161   | 0             | 0      | 0     | 2    | 32                 |
| 2003 | 18   | 46            | 0           | 240   | 0             | 2      | 2     | 2    | 36                 |
| 2004 | 1    | 33            | 0           | 238   | 0             | 2      | 2     | 1    | 31                 |
| 2005 | 2    | 54            | 0           | 168   | 0             | 0      | 0     | 2    | 17                 |
| 2006 | 3    | 74            | 0           | 66    | 0             | 0      | 0     | 1    | 15                 |
| 2007 | 1    | 68            | 0           | 99    | 0             | 0      | 0     | 1    | 11                 |

Appendix Table 4 (continued): Annual distortion estimates, **France**, 1956 to 2007

(b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup> and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural industries (percent)

|      | NRA, all agric products, <sup>a</sup> by component |                               |                                       |   |   | NRA, agric tradables    |                              |  | NRA, all non-ag tradable goods (9) | RRA <sup>b</sup> (10) |
|------|--|-------------------------------|---------------------------------------|---|---|-------------------------|------------------------------|--|------------------------------------|-----------------------|
|      | NRA, covered products (1)                          | NRA, non-covered products (2) | NRA, non-product-specific support (3) | NRA, all ag products (incl NPS) (4)=1+2+3 | NRA, all ag products (incl NPS and decoupled) (5) | NRA, ag exportables (6) | NRA, ag import-competing (7) | NRA, all agric tradable goods <sup>c</sup> (8)=6+7 |                                    |                       |
|      |  |                               |                                       |   |   |                         |                              |  |                                    |                       |
| 1956 | 32   | 9                             | na                                    | 27  | 27  | -11                     | 41                           | 27   | 10                                 | 15                    |
| 1957 | 47   | 18                            | na                                    | 40  | 40  | 1                       | 54                           | 40   | 11                                 | 25                    |
| 1958 | 73   | 36                            | na                                    | 64  | 64  | 50                      | 68                           | 64   | 14                                 | 44                    |
| 1959 | 40   | 18                            | na                                    | 35  | 35  | 7                       | 45                           | 35   | 13                                 | 19                    |
| 1960 | 16   | 2                             | na                                    | 13  | 13  | -20                     | 25                           | 13   | 12                                 | 1                     |
| 1961 | 32   | 11                            | na                                    | 27  | 27  | -15                     | 46                           | 27   | 12                                 | 14                    |
| 1962 | 79   | 58                            | na                                    | 75  | 75  | 20                      | 111                          | 75   | 12                                 | 56                    |
| 1963 | 71   | 49                            | na                                    | 67  | 67  | 19                      | 94                           | 67   | 12                                 | 50                    |
| 1964 | 67   | 46                            | na                                    | 62  | 62  | 18                      | 85                           | 62   | 11                                 | 46                    |
| 1965 | 72   | 50                            | na                                    | 68  | 68  | 22                      | 91                           | 68   | 11                                 | 51                    |
| 1966 | 71   | 49                            | na                                    | 67  | 67  | 22                      | 87                           | 67   | 10                                 | 51                    |
| 1967 | 73   | 47                            | na                                    | 68  | 68  | 22                      | 87                           | 68   | 11                                 | 51                    |
| 1968 | 82   | 54                            | na                                    | 76  | 76  | 22                      | 102                          | 76   | 8                                  | 63                    |
| 1969 | 77   | 51                            | na                                    | 72  | 72  | 24                      | 92                           | 72   | 7                                  | 60                    |
| 1970 | 60   | 43                            | na                                    | 57  | 57  | 16                      | 77                           | 57   | 7                                  | 47                    |
| 1971 | 73   | 48                            | na                                    | 68  | 68  | 31                      | 89                           | 68   | 6                                  | 58                    |
| 1972 | 59   | 36                            | na                                    | 55  | 55  | 20                      | 71                           | 55   | 6                                  | 46                    |
| 1973 | 24   | 15                            | na                                    | 22  | 22  | 5                       | 31                           | 22   | 5                                  | 16                    |
| 1974 | 16   | 11                            | na                                    | 15  | 15  | 8                       | 18                           | 15   | 4                                  | 11                    |
| 1975 | 37   | 25                            | na                                    | 35  | 35  | 16                      | 44                           | 35   | 4                                  | 30                    |
| 1976 | 52   | 32                            | na                                    | 48  | 48  | 18                      | 58                           | 48   | 4                                  | 43                    |
| 1977 | 52   | 31                            | na                                    | 48  | 48  | 26                      | 56                           | 48   | 4                                  | 42                    |
| 1978 | 59   | 37                            | na                                    | 55  | 55  | 28                      | 66                           | 55   | 5                                  | 47                    |
| 1979 | 57   | 39                            | 12                                    | 66  | 67  | 31                      | 63                           | 66   | 5                                  | 58                    |
| 1980 | 50   | 33                            | 12                                    | 58  | 60  | 29                      | 52                           | 58   | 4                                  | 51                    |
| 1981 | 68   | 39                            | 10                                    | 71  | 73  | 31                      | 71                           | 71   | 4                                  | 65                    |
| 1982 | 78   | 45                            | 9                                     | 80  | 82  | 30                      | 86                           | 80   | 4                                  | 73                    |
| 1983 | 89   | 50                            | 9                                     | 89  | 92  | 30                      | 99                           | 89   | 4                                  | 81                    |
| 1984 | 69   | 39                            | 8                                     | 70  | 72  | 19                      | 80                           | 70   | 4                                  | 64                    |
| 1985 | 61   | 40                            | 10                                    | 67  | 70  | 7                       | 81                           | 67   | 6                                  | 58                    |
| 1986 | 114  | 68                            | 3                                     | 107                                       | 109   | 38                      | 128                          | 107  | 6                                  | 95                    |
| 1987 | 118  | 70                            | 3                                     | 111                                       | 113   | 46                      | 129                          | 111  | 6                                  | 98                    |
| 1988 | 82   | 45                            | 3                                     | 77  | 80  | 31                      | 87                           | 77   | 5                                  | 68                    |
| 1989 | 50   | 26                            | 3                                     | 48  | 51  | 15                      | 55                           | 48   | 5                                  | 41                    |
| 1990 | 66   | 35                            | 4                                     | 63  | 67  | 20                      | 74                           | 63   | 5                                  | 56                    |
| 1991 | 90   | 48                            | 5                                     | 85  | 90  | 30                      | 96                           | 85   | 5                                  | 76                    |
| 1992 | 62   | 37                            | 5                                     | 61  | 69  | 24                      | 69                           | 61   | 5                                  | 54                    |
| 1993 | 60   | 35                            | 5                                     | 59  | 72  | 24                      | 65                           | 59   | 5                                  | 52                    |
| 1994 | 50   | 30                            | 4                                     | 50  | 65  | 21                      | 55                           | 50   | 5                                  | 43                    |
| 1995 | 39   | 24                            | 5                                     | 41  | 58  | 13                      | 45                           | 41   | 5                                  | 34                    |
| 1996 | 28   | 16                            | 4                                     | 30  | 46  | 5                       | 43                           | 30   | 5                                  | 23                    |
| 1997 | 32   | 19                            | 4                                     | 34  | 50  | 7                       | 47                           | 34   | 5                                  | 27                    |
| 1998 | 43   | 26                            | 4                                     | 44  | 61  | 15                      | 59                           | 44   | 5                                  | 37                    |
| 1999 | 49   | 32                            | 4                                     | 50  | 67  | 17                      | 69                           | 50   | 5                                  | 43                    |
| 2000 | 33   | 20                            | 3                                     | 34  | 51  | 8                       | 50                           | 34   | 5                                  | 27                    |
| 2001 | 27   | 16                            | 4                                     | 29  | 46  | 5                       | 39                           | 29   | 5                                  | 22                    |
| 2002 | 32   | 19                            | 5                                     | 34  | 51  | 4                       | 52                           | 34   | 5                                  | 27                    |
| 2003 | 36   | 22                            | 5                                     | 38  | 57  | 5                       | 59                           | 38   | 5                                  | 31                    |
| 2004 | 31   | 19                            | 4                                     | 33  | 51  | 4                       | 52                           | 33   | 5                                  | 26                    |
| 2005 | 17   | 9                             | 4                                     | 17  | 36  | 1                       | 39                           | 17   | 4                                  | 13                    |
| 2006 | 15   | 7                             | 4                                     | 16  | 37  | 1                       | 33                           | 16   | 4                                  | 11                    |
| 2007 | 11   | 6                             | 4                                     | 13  | 31  | 0                       | 29                           | 13   | 4                                  | 8                     |

- a. NRAs including assistance to nontradables and via inputs and other forms of non-product-specific (NPS) assistance without and (in column (5)) with decoupled support.
- b. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors (columns 8 and 9), respectively, so it excludes decoupled payments but includes all NPS support.
- c. Including NPS but excluding decoupled payments, so more than the weighted average of columns (6) and (7).



Appendix Table 4 (continued): Annual distortion estimates, **France**, 1956 to 2007  
(c) Value shares of primary production of covered<sup>a</sup> and non-covered products,  
(percent)

|      | Barley | Beef | Egg | Maize | Milk | Oat | Pigmea<br>t | Potato | Poultry | Rapese<br>ed |
|------|--------|------|-----|-------|------|-----|-------------|--------|---------|--------------|
| 1956 | 8      | 10   | 5   | 2     | 8    | 6   | 7           | na     | 3       | 0            |
| 1957 | 4      | 10   | 5   | 1     | 8    | 3   | 8           | na     | 3       | 0            |
| 1958 | 4      | 11   | 5   | 1     | 11   | 4   | 9           | na     | 4       | 0            |
| 1959 | 5      | 10   | 5   | 1     | 8    | 3   | 9           | na     | 3       | 0            |
| 1960 | 6      | 9    | 5   | 2     | 10   | 3   | 9           | na     | 3       | 0            |
| 1961 | 5      | 10   | 5   | 1     | 8    | 2   | 8           | na     | 3       | 0            |
| 1962 | 5      | 8    | 4   | 1     | 5    | 2   | 7           | na     | 4       | 0            |
| 1963 | 6      | 9    | 4   | 3     | 6    | 2   | 7           | na     | 4       | 0            |
| 1964 | 5      | 10   | 4   | 2     | 6    | 2   | 7           | na     | 4       | 1            |
| 1965 | 6      | 12   | 4   | 3     | 6    | 2   | 6           | na     | 4       | 1            |
| 1966 | 6      | 13   | 4   | 3     | 7    | 2   | 6           | na     | 3       | 1            |
| 1967 | 7      | 13   | 4   | 3     | 7    | 2   | 6           | na     | 3       | 1            |
| 1968 | 5      | 13   | 4   | 3     | 7    | 2   | 6           | na     | 3       | 1            |
| 1969 | 7      | 13   | 4   | 4     | 7    | 2   | 6           | na     | 4       | 1            |
| 1970 | 5      | 11   | 4   | 5     | 6    | 1   | 5           | na     | 3       | 1            |
| 1971 | 5      | 12   | 4   | 6     | 6    | 2   | 6           | na     | 2       | 1            |
| 1972 | 7      | 10   | 4   | 4     | 6    | 2   | 5           | 2      | 2       | 1            |
| 1973 | 6      | 9    | 4   | 5     | 6    | 1   | 5           | 2      | 2       | 1            |
| 1974 | 6      | 14   | 2   | 6     | 6    | 1   | 5           | 2      | 2       | 1            |
| 1975 | 5      | 15   | 3   | 5     | 6    | 1   | 6           | 2      | 3       | 1            |
| 1976 | 6      | 15   | 3   | 4     | 5    | 1   | 6           | 1      | 3       | 1            |
| 1977 | 5      | 15   | 2   | 4     | 4    | 1   | 7           | 3      | 3       | 1            |
| 1978 | 5      | 16   | 3   | 4     | 4    | 1   | 6           | 3      | 3       | 1            |
| 1979 | 5      | 18   | 2   | 5     | 5    | 1   | 5           | 3      | 4       | 1            |
| 1980 | 7      | 18   | 3   | 4     | 5    | 2   | 6           | 2      | 4       | 1            |
| 1981 | 7      | 16   | 3   | 5     | 7    | 1   | 5           | 2      | 4       | 1            |
| 1982 | 7      | 13   | 3   | 5     | 7    | 1   | 5           | 2      | 4       | 2            |
| 1983 | 6      | 6    | 3   | 7     | 8    | 1   | 5           | 2      | 4       | 1            |
| 1984 | 7      | 5    | 3   | 7     | 7    | 1   | 5           | 3      | 3       | 2            |
| 1985 | 6      | 5    | 3   | 7     | 7    | 1   | 7           | 3      | 3       | 2            |
| 1986 | 3      | 8    | 3   | 6     | 8    | 0   | 8           | 3      | 5       | 1            |
| 1987 | 2      | 11   | 3   | 4     | 5    | 1   | 9           | 3      | 4       | 2            |
| 1988 | 3      | 11   | 2   | 6     | 10   | 1   | 6           | 2      | 4       | 2            |
| 1989 | 3      | 8    | 2   | 5     | 14   | 0   | 8           | 2      | 4       | 1            |
| 1990 | 3      | 9    | 2   | 3     | 12   | 0   | 8           | 2      | 3       | 1            |
| 1991 | 3      | 7    | 3   | 5     | 13   | 0   | 8           | 3      | 4       | 1            |
| 1992 | 3      | 9    | 2   | 4     | 12   | 0   | 10          | 2      | 3       | 1            |
| 1993 | 2      | 10   | 3   | 5     | 13   | 0   | 8           | 1      | 4       | 1            |
| 1994 | 2      | 10   | 3   | 5     | 12   | 0   | 8           | 3      | 4       | 2            |
| 1995 | 2      | 9    | 2   | 4     | 14   | 0   | 8           | 3      | 3       | 2            |
| 1996 | 3      | 7    | 3   | 6     | 12   | 0   | 8           | 2      | 4       | 2            |
| 1997 | 3      | 6    | 3   | 6     | 12   | 0   | 9           | 2      | 4       | 3            |
| 1998 | 2      | 6    | 2   | 5     | 12   | 0   | 7           | 3      | 5       | 3            |
| 1999 | 2      | 6    | 2   | 5     | 12   | 0   | 5           | 3      | 4       | 3            |
| 2000 | 3      | 6    | 3   | 5     | 15   | 0   | 7           | 2      | 4       | 2            |
| 2001 | 3      | 4    | 3   | 6     | 17   | 0   | 9           | 2      | 5       | 2            |
| 2002 | 3      | 5    | 3   | 6     | 13   | 0   | 7           | 2      | 4       | 2            |
| 2003 | 3      | 5    | 4   | 4     | 14   | 0   | 7           | 2      | 4       | 3            |
| 2004 | 3      | 5    | 3   | 5     | 14   | 0   | 7           | 3      | 3       | 3            |
| 2005 | 4      | 4    | 3   | 4     | 4    | 0   | 8           | 2      | 4       | 3            |
| 2006 | 4      | 4    | 3   | 4     | 4    | 0   | 7           | 3      | 4       | 4            |
| 2007 | 5      | 3    | 3   | 5     | 6    | 0   | 5           | 1      | 3       | 4            |

|      | Rice | Sheep<br>meat | Soybea<br>n | Sugar | Sunflo<br>wer | Tomato | Wheat | Wine | Non-<br>covere<br>d |
|------|------|---------------|-------------|-------|---------------|--------|-------|------|---------------------|
| 1956 | 0    | 1             | na          | 1     | 0             | na     | 8     | 16   | 24                  |
| 1957 | 0    | 1             | na          | 2     | 0             | na     | 15    | 15   | 24                  |
| 1958 | 0    | 1             | na          | 2     | 0             | na     | 14    | 10   | 25                  |
| 1959 | 0    | 1             | na          | 1     | 0             | na     | 15    | 14   | 24                  |
| 1960 | 0    | 1             | na          | 1     | 0             | na     | 13    | 16   | 23                  |
| 1961 | 0    | 1             | na          | 2     | 0             | 2      | 12    | 17   | 24                  |
| 1962 | 0    | 1             | na          | 1     | 0             | 1      | 12    | 27   | 20                  |
| 1963 | 0    | 1             | na          | 3     | 0             | 1      | 8     | 25   | 20                  |
| 1964 | 0    | 1             | na          | 2     | 0             | 1      | 11    | 23   | 20                  |
| 1965 | 0    | 1             | na          | 1     | 0             | 1      | 11    | 22   | 20                  |
| 1966 | 0    | 1             | na          | 1     | 0             | 2      | 9     | 21   | 20                  |
| 1967 | 0    | 1             | na          | 1     | 0             | 1      | 11    | 19   | 21                  |
| 1968 | 0    | 1             | na          | 1     | 0             | 1      | 11    | 22   | 20                  |
| 1969 | 0    | 1             | na          | 1     | 0             | 1      | 11    | 18   | 21                  |
| 1970 | 0    | 1             | na          | 2     | 0             | 1      | 11    | 24   | 19                  |
| 1971 | 0    | 1             | na          | 3     | 0             | 1      | 11    | 20   | 20                  |
| 1972 | 0    | 1             | na          | 3     | 0             | 1      | 16    | 16   | 20                  |
| 1973 | 0    | 1             | 0           | 4     | 0             | 1      | 16    | 19   | 18                  |
| 1974 | 0    | 1             | 0           | 6     | 0             | 1      | 16    | 14   | 18                  |
| 1975 | 0    | 1             | 0           | 3     | 0             | 1      | 12    | 16   | 19                  |
| 1976 | 0    | 1             | 0           | 2     | 0             | 2      | 17    | 14   | 20                  |
| 1977 | 0    | 1             | 0           | 2     | 0             | 1      | 18    | 12   | 21                  |
| 1978 | 0    | 1             | 0           | 2     | 0             | 2      | 14    | 13   | 20                  |
| 1979 | 0    | 1             | 0           | 3     | 0             | 2      | 11    | 16   | 20                  |
| 1980 | 0    | 1             | 0           | 5     | 0             | 2      | 12    | 8    | 21                  |
| 1981 | 0    | 2             | 0           | 4     | 0             | 2      | 13    | 6    | 22                  |
| 1982 | 0    | 2             | 0           | 2     | 1             | 2      | 14    | 9    | 22                  |
| 1983 | 0    | 1             | 0           | 2     | 1             | 2      | 17    | 10   | 22                  |
| 1984 | 0    | 1             | 0           | 1     | 1             | 1      | 19    | 9    | 22                  |
| 1985 | 0    | 1             | 0           | 2     | 2             | 2      | 15    | 14   | 21                  |
| 1986 | 0    | 1             | 0           | 2     | 2             | 2      | 11    | 16   | 22                  |
| 1987 | 0    | 1             | 0           | 2     | 2             | 2      | 10    | 14   | 22                  |
| 1988 | 0    | 1             | 0           | 2     | 2             | 1      | 11    | 12   | 22                  |
| 1989 | 0    | 1             | 0           | 2     | 2             | 2      | 14    | 12   | 20                  |
| 1990 | 0    | 1             | 0           | 3     | 2             | 2      | 13    | 15   | 21                  |
| 1991 | 0    | 1             | 0           | 2     | 2             | 2      | 10    | 11   | 24                  |
| 1992 | 0    | 1             | 0           | 2     | 2             | 2      | 11    | 14   | 21                  |
| 1993 | 0    | 1             | 0           | 2     | 2             | 2      | 11    | 13   | 21                  |
| 1994 | 0    | 1             | 0           | 2     | 2             | 2      | 10    | 14   | 20                  |
| 1995 | 0    | 1             | 0           | 2     | 2             | 1      | 12    | 15   | 20                  |
| 1996 | 0    | 1             | 0           | 2     | 1             | 1      | 15    | 13   | 20                  |
| 1997 | 0    | 1             | 0           | 2     | 1             | 1      | 13    | 13   | 20                  |
| 1998 | 0    | 1             | 0           | 2     | 2             | 2      | 12    | 16   | 20                  |
| 1999 | 0    | 1             | 0           | 2     | 1             | 2      | 11    | 19   | 20                  |
| 2000 | 0    | 1             | 0           | 2     | 1             | 2      | 12    | 15   | 20                  |
| 2001 | 0    | 1             | 0           | 2     | 1             | 2      | 10    | 14   | 20                  |
| 2002 | 0    | 1             | 0           | 2     | 1             | 2      | 13    | 14   | 21                  |
| 2003 | 0    | 1             | 0           | 1     | 1             | 2      | 11    | 15   | 21                  |
| 2004 | 0    | 1             | 0           | 1     | 1             | 1      | 14    | 15   | 20                  |
| 2005 | 0    | 1             | 0           | 1     | 1             | 2      | 13    | 21   | 24                  |
| 2006 | 0    | 1             | 0           | 2     | 1             | 2      | 15    | 19   | 24                  |
| 2007 | 0    | 1             | 0           | 1     | 1             | 1      | 19    | 18   | 24                  |

a. At farmgate undistorted prices

Appendix Table 4 (continued): Annual distortion estimates, **France**, 1956 to 2007  
(d) Trade status of covered products<sup>a</sup>

[illegible]

|      | Rice | Sheep<br>meat | Soybe<br>an | Sugar | Sunflo<br>wer | Tomat<br>o | Wheat | Wine |
|------|------|---------------|-------------|-------|---------------|------------|-------|------|
| 1956 | X    | M             | 0           | M     | M             | na         | M     | X    |
| 1957 | X    | M             | 0           | M     | M             | na         | M     | X    |
| 1958 | X    | M             | 0           | M     | M             | na         | M     | X    |
| 1959 | X    | M             | 0           | M     | M             | na         | M     | X    |
| 1960 | X    | M             | 0           | M     | M             | na         | M     | X    |
| 1961 | X    | M             | 0           | M     | M             | X          | M     | X    |
| 1962 | X    | M             | 0           | M     | M             | X          | M     | X    |
| 1963 | X    | M             | 0           | M     | M             | X          | M     | X    |
| 1964 | X    | M             | 0           | M     | M             | M          | M     | X    |
| 1965 | X    | M             | 0           | M     | M             | M          | M     | X    |
| 1966 | X    | M             | 0           | M     | M             | M          | M     | X    |
| 1967 | X    | M             | 0           | M     | M             | M          | M     | X    |
| 1968 | X    | M             | 0           | M     | M             | M          | M     | X    |
| 1969 | X    | M             | 0           | M     | M             | M          | M     | X    |
| 1970 | X    | M             | 0           | M     | M             | M          | M     | X    |
| 1971 | X    | M             | 0           | M     | M             | M          | M     | X    |
| 1972 | X    | M             | 0           | M     | M             | M          | M     | X    |
| 1973 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1974 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1975 | X    | M             | M           | M     | X             | M          | M     | X    |
| 1976 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1977 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1978 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1979 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1980 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1981 | X    | M             | M           | M     | X             | M          | M     | X    |
| 1982 | X    | M             | M           | M     | X             | M          | M     | X    |
| 1983 | X    | M             | M           | M     | X             | M          | M     | X    |
| 1984 | X    | M             | M           | M     | X             | M          | M     | X    |
| 1985 | X    | M             | M           | M     | X             | M          | M     | X    |
| 1986 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1987 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1988 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1989 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1990 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1991 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1992 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1993 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1994 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1995 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1996 | X    | M             | M           | M     | M             | X          | X     | X    |
| 1997 | X    | M             | M           | M     | M             | X          | X     | X    |
| 1998 | X    | M             | M           | M     | M             | X          | X     | X    |
| 1999 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2000 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2001 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2002 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2003 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2004 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2005 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2006 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2007 | X    | M             | M           | M     | M             | X          | X     | X    |

a. Exportables (X), import-competing products (M) and nontradables (H).  
Source: Anderson and Valenzuela (2008), based on author's spreadsheet

Appendix Table 5: Annual distortion estimates, **Germany**, 1956 to 2007

(a) Nominal rates of assistance to covered products

|      | (percent) |      |     |       |      |     |             |        |         |              |
|------|-----------|------|-----|-------|------|-----|-------------|--------|---------|--------------|
|      | Barley    | Beef | Egg | Maize | Milk | Oat | Pigmea<br>t | Potato | Poultry | Rapese<br>ed |
| 1956 | 35        | 32   | 33  | na    | 453  | 15  | 25          | na     | 23      | 64           |
| 1957 | 51        | 41   | 38  | na    | 434  | 19  | 32          | na     | 28      | 74           |
| 1958 | 74        | 43   | 66  | na    | 460  | 29  | 19          | na     | 27      | 75           |
| 1959 | 72        | 52   | 37  | na    | 412  | 44  | 29          | na     | 23      | 57           |
| 1960 | 70        | 80   | 27  | na    | 390  | 32  | 20          | na     | 20      | 35           |
| 1961 | 96        | 77   | 39  | na    | 361  | 57  | 39          | na     | 31      | 24           |
| 1962 | 75        | 127  | 22  | 47    | 421  | 49  | 120         | na     | 80      | 0            |
| 1963 | 69        | 103  | 11  | 44    | 339  | 51  | 117         | na     | 73      | 0            |
| 1964 | 60        | 86   | 25  | 41    | 277  | 41  | 87          | na     | 57      | 0            |
| 1965 | 52        | 62   | 32  | 45    | 320  | 48  | 133         | na     | 61      | 0            |
| 1966 | 54        | 51   | 16  | 36    | 296  | 42  | 149         | na     | 59      | 0            |
| 1967 | 69        | 53   | 15  | 49    | 310  | 43  | 129         | na     | 51      | 0            |
| 1968 | 99        | 73   | 20  | 77    | 337  | 54  | 132         | na     | 51      | 0            |
| 1969 | 54        | 73   | 16  | 66    | 307  | 41  | 152         | na     | 48      | 0            |
| 1970 | 54        | 71   | -4  | 41    | 308  | 48  | 142         | na     | 43      | 0            |
| 1971 | 89        | 69   | 3   | 48    | 317  | 31  | 136         | na     | 162     | 0            |
| 1972 | 37        | 89   | -5  | 73    | 300  | 14  | 114         | 54     | 106     | 0            |
| 1973 | -7        | 34   | -17 | 19    | 208  | 0   | 106         | 57     | 74      | 0            |
| 1974 | 3         | -4   | 30  | 2     | 210  | 7   | 69          | 18     | 54      | 0            |
| 1975 | 23        | 11   | 16  | 22    | 264  | 23  | 65          | 49     | 60      | 0            |
| 1976 | 20        | 26   | 5   | 39    | 366  | 10  | 122         | 327    | 69      | 0            |
| 1977 | 56        | 11   | 41  | 72    | 598  | 35  | 65          | 71     | 61      | 0            |
| 1978 | 49        | 11   | 13  | 81    | 488  | 74  | 78          | -15    | 49      | 0            |
| 1979 | 75        | 0    | 41  | 67    | 440  | 80  | 109         | 17     | 38      | 0            |
| 1980 | 17        | -1   | 22  | 62    | 434  | -27 | 71          | 7      | 37      | 0            |
| 1981 | 7         | 23   | 2   | 43    | 330  | -2  | 148         | 73     | 72      | 0            |
| 1982 | 8         | 49   | 18  | 66    | 313  | 22  | 125         | 95     | 99      | 0            |
| 1983 | 32        | 264  | 40  | 29    | 287  | -1  | 129         | 87     | 73      | 0            |
| 1984 | 6         | 265  | 3   | 15    | 311  | 8   | 81          | -24    | 95      | 0            |
| 1985 | 18        | 293  | 8   | 28    | 282  | -6  | 22          | 11     | 91      | 0            |
| 1986 | 157       | 188  | 31  | 110   | 361  | 83  | 40          | 17     | 79      | 153          |
| 1987 | 233       | 107  | 21  | 170   | 533  | 77  | 11          | 17     | 90      | 145          |
| 1988 | 85        | 80   | 21  | 79    | 192  | 14  | 34          | 17     | 69      | 112          |
| 1989 | 45        | 79   | 29  | 62    | 84   | 15  | 14          | 17     | 66      | 140          |
| 1990 | 94        | 98   | 12  | 108   | 125  | 48  | 7           | 16     | 100     | 200          |
| 1991 | 119       | 157  | 13  | 120   | 128  | 39  | 20          | 16     | 83      | 97           |
| 1992 | 103       | 93   | 15  | 103   | 118  | 63  | 0           | 17     | 118     | 0            |
| 1993 | 105       | 63   | 10  | 69    | 123  | 44  | 18          | 17     | 110     | 0            |
| 1994 | 100       | 53   | 0   | 45    | 117  | 43  | 18          | 16     | 114     | 0            |
| 1995 | 41        | 69   | 12  | 53    | 79   | 40  | 16          | 15     | 129     | 0            |
| 1996 | 2         | 68   | 5   | 14    | 70   | 34  | 16          | 14     | 77      | 0            |
| 1997 | 7         | 117  | 1   | 19    | 78   | 25  | 13          | 12     | 55      | 0            |
| 1998 | 64        | 121  | 11  | 32    | 100  | 50  | 22          | 11     | 51      | 0            |
| 1999 | 44        | 125  | 16  | 39    | 106  | 84  | 57          | 11     | 90      | 0            |
| 2000 | 3         | 113  | 3   | 27    | 57   | 59  | 32          | 10     | 57      | 1            |
| 2001 | 0         | 140  | 0   | 14    | 40   | 29  | 24          | 10     | 52      | 0            |
| 2002 | 0         | 157  | 0   | 9     | 75   | 0   | 24          | 10     | 56      | 0            |
| 2003 | 1         | 157  | 0   | 34    | 70   | 1   | 33          | 10     | 54      | 0            |
| 2004 | 1         | 92   | 0   | 39    | 62   | 23  | 27          | 10     | 101     | 0            |
| 2005 | 0         | 109  | 0   | 19    | 33   | 24  | 19          | 10     | 69      | 0            |
| 2006 | 0         | 81   | 0   | 19    | 25   | 0   | 14          | 10     | 42      | 0            |
| 2007 | 0         | 66   | 0   | 21    | 0    | 0   | 18          | 10     | 99      | 0            |

|      | Sheep<br>meat | Soybea<br>n | Sugar | Sunflo<br>wer | Tomato | Wheat | Wine | All<br>cover<br>ed |
|------|---------------|-------------|-------|---------------|--------|-------|------|--------------------|
| 1956 | -10           | na          | 160   | na            | na     | -16   | 28   | 63                 |
| 1957 | -5            | na          | 75    | na            | na     | -18   | 161  | 70                 |
| 1958 | -11           | na          | 177   | na            | na     | 2     | 70   | 80                 |
| 1959 | -5            | na          | 222   | na            | na     | -17   | 20   | 75                 |
| 1960 | -6            | na          | 219   | na            | na     | -8    | 116  | 75                 |
| 1961 | 11            | na          | 246   | na            | na     | 15    | -8   | 89                 |
| 1962 | 279           | na          | 185   | na            | 22     | 78    | na   | 136                |
| 1963 | 231           | na          | 13    | na            | 22     | 86    | na   | 114                |
| 1964 | 226           | na          | 63    | na            | 22     | 70    | na   | 102                |
| 1965 | 203           | na          | 330   | na            | 22     | 74    | na   | 119                |
| 1966 | 372           | na          | 410   | na            | 22     | 63    | na   | 115                |
| 1967 | 373           | na          | 319   | na            | 22     | 64    | na   | 110                |
| 1968 | 382           | na          | 232   | na            | 22     | 73    | na   | 122                |
| 1969 | 386           | na          | 183   | na            | 22     | 62    | na   | 115                |
| 1970 | 372           | na          | 100   | na            | 22     | 24    | na   | 101                |
| 1971 | 367           | na          | 47    | na            | 22     | 55    | na   | 107                |
| 1972 | 385           | na          | 46    | na            | 22     | -2    | na   | 83                 |
| 1973 | 322           | na          | -30   | na            | 22     | -30   | 4    | 44                 |
| 1974 | 255           | na          | -51   | na            | 22     | -23   | 4    | 28                 |
| 1975 | 267           | na          | 28    | na            | 22     | -9    | 4    | 53                 |
| 1976 | 342           | na          | 99    | na            | 22     | -16   | 4    | 92                 |
| 1977 | 281           | na          | 230   | na            | 22     | -21   | 4    | 71                 |
| 1978 | 263           | na          | 230   | na            | 22     | 23    | 4    | 71                 |
| 1979 | 230           | na          | 70    | na            | 22     | 35    | 4    | 75                 |
| 1980 | 207           | na          | 13    | na            | 22     | 45    | 4    | 56                 |
| 1981 | 183           | na          | 74    | na            | 11     | 44    | 17   | 85                 |
| 1982 | 181           | na          | 152   | na            | 31     | 51    | 15   | 94                 |
| 1983 | 203           | na          | 196   | na            | 19     | 28    | 10   | 122                |
| 1984 | 172           | na          | 268   | na            | 26     | 20    | 7    | 87                 |
| 1985 | 95            | na          | 297   | na            | 26     | 31    | -25  | 78                 |
| 1986 | 134           | na          | 247   | na            | 17     | 119   | 9    | 123                |
| 1987 | 211           | na          | 301   | 150           | 15     | 143   | 9    | 109                |
| 1988 | 215           | na          | 201   | 96            | 15     | 94    | 7    | 82                 |
| 1989 | 167           | 118         | 90    | 150           | 0      | 31    | 6    | 49                 |
| 1990 | 154           | 147         | 109   | 143           | 2      | 57    | 8    | 62                 |
| 1991 | 128           | 159         | 191   | 111           | 0      | 146   | 9    | 84                 |
| 1992 | 112           | 0           | 212   | 0             | 0      | 65    | 13   | 59                 |
| 1993 | 38            | 0           | 169   | 0             | 8      | 58    | 13   | 64                 |
| 1994 | 55            | 0           | 129   | 0             | 11     | 48    | 10   | 55                 |
| 1995 | 77            | 0           | 119   | 0             | 0      | 16    | 4    | 43                 |
| 1996 | 45            | 0           | 140   | 0             | 2      | 0     | 4    | 35                 |
| 1997 | 27            | 0           | 147   | 0             | 0      | 0     | 5    | 39                 |
| 1998 | 38            | 0           | 186   | 0             | 0      | 26    | 3    | 54                 |
| 1999 | 37            | 0           | 245   | 0             | 0      | 37    | 2    | 65                 |
| 2000 | 26            | 0           | 176   | 0             | 0      | 11    | 2    | 40                 |
| 2001 | 48            | 0           | 138   | 0             | 0      | 4     | 2    | 31                 |
| 2002 | 35            | 0           | 161   | 0             | 0      | 0     | 2    | 41                 |
| 2003 | 46            | 0           | 240   | 0             | 2      | 2     | 2    | 43                 |
| 2004 | 33            | 0           | 238   | 0             | 2      | 2     | 1    | 36                 |
| 2005 | 54            | 0           | 168   | 0             | 0      | 0     | 2    | 19                 |
| 2006 | 74            | 0           | 66    | 0             | 0      | 0     | 1    | 15                 |
| 2007 | 68            | 0           | 99    | 0             | 0      | 0     | 1    | 11                 |

Appendix Table 5 (continued): Annual distortion estimates, **Germany**, 1956 to 2007

(b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup> and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural industries (percent)

|      | NRA, all agric products, <sup>a</sup> by component |                               |                                       |   |   | NRA, agric tradables    |                              |  | NRA, all non-ag tradable goods (9) | RRA <sup>b</sup> (10) |
|------|--|-------------------------------|---------------------------------------|---|---|-------------------------|------------------------------|--|------------------------------------|-----------------------|
|      | NRA, covered products (1)                          | NRA, non-covered products (2) | NRA, non-product-specific support (3) | NRA, all ag products (incl NPS and decoupled) (4)=1+2+3 (5) | NRA, all ag products (incl NPS and decoupled) (5) | NRA, ag exportables (6) | NRA, ag import-competing (7) | NRA, all agric tradable goods <sup>c</sup> (8)=6+7 |                                    |                       |
| 1956 | 63   | 7                             | na                                    | 46  | 46  | 2                       | 55                           | 46   | 4                                  | 41                    |
| 1957 | 70   | 6                             | na                                    | 50  | 50  | 5                       | 58                           | 50   | 3                                  | 45                    |
| 1958 | 80   | 9                             | na                                    | 57  | 57  | 5                       | 68                           | 57   | 3                                  | 52                    |
| 1959 | 75   | 12                            | na                                    | 56  | 56  | 2                       | 67                           | 56   | 3                                  | 50                    |
| 1960 | 75   | 11                            | na                                    | 55  | 55  | 11                      | 64                           | 55   | 3                                  | 50                    |
| 1961 | 89   | 13                            | na                                    | 65  | 65  | -1                      | 80                           | 65   | 3                                  | 59                    |
| 1962 | 136  | 63                            | na                                    | 113   | 113   | 67                      | 122                          | 113  | 3                                  | 106                   |
| 1963 | 114  | 51                            | na                                    | 96  | 96  | 56                      | 103                          | 96   | 3                                  | 89                    |
| 1964 | 102  | 49                            | na                                    | 88  | 88  | 56                      | 93                           | 88   | 3                                  | 83                    |
| 1965 | 119  | 59                            | na                                    | 102   | 102   | 70                      | 107                          | 102  | 2                                  | 98                    |
| 1966 | 115  | 58                            | na                                    | 98  | 98  | 65                      | 104                          | 98   | 2                                  | 95                    |
| 1967 | 110  | 50                            | na                                    | 93  | 93  | 54                      | 99                           | 93   | 2                                  | 89                    |
| 1968 | 122  | 54                            | na                                    | 103   | 103   | 56                      | 110                          | 103  | 1                                  | 100                   |
| 1969 | 115  | 58                            | na                                    | 99  | 99  | 64                      | 105                          | 99   | 2                                  | 96                    |
| 1970 | 101  | 53                            | na                                    | 88  | 88  | 58                      | 93                           | 88   | 1                                  | 85                    |
| 1971 | 107  | 49                            | na                                    | 91  | 91  | 62                      | 98                           | 91   | 1                                  | 89                    |
| 1972 | 83   | 41                            | na                                    | 73  | 73  | 41                      | 80                           | 73   | 1                                  | 71                    |
| 1973 | 44   | 23                            | na                                    | 39  | 39  | 12                      | 46                           | 39   | 1                                  | 37                    |
| 1974 | 28   | 16                            | na                                    | 26  | 26  | 16                      | 28                           | 26   | 1                                  | 24                    |
| 1975 | 53   | 30                            | na                                    | 48  | 48  | 32                      | 51                           | 48   | 1                                  | 46                    |
| 1976 | 92   | 51                            | na                                    | 82  | 82  | 63                      | 85                           | 82   | 1                                  | 81                    |
| 1977 | 71   | 40                            | na                                    | 64  | 64  | 50                      | 67                           | 64   | 1                                  | 63                    |
| 1978 | 71   | 39                            | na                                    | 63  | 63  | 47                      | 68                           | 63   | 1                                  | 62                    |
| 1979 | 75   | 43                            | 12                                    | 80  | 81  | 59                      | 70                           | 80   | 1                                  | 79                    |
| 1980 | 56   | 37                            | 12                                    | 63  | 65  | 41                      | 54                           | 63   | 1                                  | 62                    |
| 1981 | 85   | 48                            | 10                                    | 86  | 88  | 40                      | 86                           | 86   | 1                                  | 85                    |
| 1982 | 94   | 53                            | 9                                     | 94  | 96  | 41                      | 98                           | 94   | 1                                  | 93                    |
| 1983 | 122  | 62                            | 9                                     | 115   | 118   | 48                      | 125                          | 115  | 1                                  | 114                   |
| 1984 | 87   | 44                            | 8                                     | 85  | 87  | 26                      | 92                           | 85   | 1                                  | 84                    |
| 1985 | 78   | 42                            | 10                                    | 79  | 83  | 33                      | 80                           | 79   | 1                                  | 78                    |
| 1986 | 123  | 66                            | 3                                     | 112   | 114   | 72                      | 115                          | 112  | 1                                  | 111                   |
| 1987 | 109  | 63                            | 3                                     | 101   | 103   | 81                      | 100                          | 101  | 1                                  | 100                   |
| 1988 | 82   | 44                            | 3                                     | 76  | 79  | 49                      | 77                           | 76   | 1                                  | 75                    |
| 1989 | 49   | 24                            | 3                                     | 46  | 49  | 25                      | 46                           | 46   | 1                                  | 45                    |
| 1990 | 62   | 31                            | 4                                     | 59  | 62  | 34                      | 59                           | 59   | 1                                  | 58                    |
| 1991 | 84   | 42                            | 5                                     | 78  | 83  | 40                      | 79                           | 78   | 1                                  | 77                    |
| 1992 | 59   | 32                            | 5                                     | 58  | 65  | 33                      | 57                           | 58   | 1                                  | 57                    |
| 1993 | 64   | 33                            | 5                                     | 62  | 74  | 32                      | 62                           | 62   | 1                                  | 61                    |
| 1994 | 55   | 29                            | 4                                     | 53  | 68  | 32                      | 52                           | 53   | 1                                  | 52                    |
| 1995 | 43   | 22                            | 5                                     | 43  | 60  | 21                      | 41                           | 43   | 1                                  | 42                    |
| 1996 | 35   | 17                            | 4                                     | 34  | 51  | 8                       | 41                           | 34   | 1                                  | 34                    |
| 1997 | 39   | 20                            | 4                                     | 38  | 55  | 10                      | 46                           | 38   | 1                                  | 37                    |
| 1998 | 54   | 28                            | 4                                     | 52  | 69  | 21                      | 59                           | 52   | 1                                  | 51                    |
| 1999 | 65   | 34                            | 4                                     | 62  | 79  | 25                      | 70                           | 62   | 1                                  | 61                    |
| 2000 | 40   | 21                            | 3                                     | 39  | 57  | 10                      | 50                           | 39   | 1                                  | 38                    |
| 2001 | 31   | 16                            | 4                                     | 31  | 48  | 6                       | 37                           | 31   | 1                                  | 31                    |
| 2002 | 41   | 21                            | 5                                     | 41  | 58  | 7                       | 52                           | 41   | 1                                  | 40                    |
| 2003 | 43   | 22                            | 5                                     | 43  | 62  | 8                       | 55                           | 43   | 1                                  | 42                    |
| 2004 | 36   | 18                            | 4                                     | 36  | 54  | 6                       | 47                           | 36   | 1                                  | 35                    |
| 2005 | 19   | 9                             | 4                                     | 19  | 37  | 0                       | 31                           | 19   | 1                                  | 18                    |
| 2006 | 15   | 7                             | 4                                     | 16  | 37  | 0                       | 24                           | 16   | 1                                  | 15                    |
| 2007 | 11   | 6                             | 4                                     | 13  | 31  | 0                       | 19                           | 13   | 1                                  | 12                    |

- a. NRAs including assistance to nontradables and via inputs and other forms of non-product-specific (NPS) assistance without and (in column (5)) with decoupled support.
- b. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors (columns 8 and 9), respectively, so it excludes decoupled payments but includes all NPS support.
- c. Including NPS but excluding decoupled payments, so more than the weighted average of columns (6) and (7).



Appendix Table 5 (continued): Annual distortion estimates, **Germany**, 1956 to 2007  
(c) Value shares of primary production of covered<sup>a</sup> and non-covered products,  
(percent)

|      | Barley | Beef | Egg | Maize | Milk | Oat | Pigmea<br>t | Potato | Poultry | Rapese<br>ed |
|------|--------|------|-----|-------|------|-----|-------------|--------|---------|--------------|
| 1956 | 5      | 10   | 6   | na    | 6    | 5   | 24          | na     | 1       | 0            |
| 1957 | 4      | 11   | 6   | na    | 7    | 4   | 24          | na     | 1       | 0            |
| 1958 | 4      | 11   | 5   | na    | 7    | 4   | 26          | na     | 1       | 0            |
| 1959 | 4      | 11   | 6   | na    | 7    | 3   | 24          | na     | 1       | 0            |
| 1960 | 4      | 9    | 6   | na    | 8    | 4   | 25          | na     | 1       | 0            |
| 1961 | 3      | 10   | 7   | na    | 8    | 3   | 24          | na     | 1       | 0            |
| 1962 | 6      | 11   | 7   | 0     | 9    | 4   | 20          | na     | 2       | 1            |
| 1963 | 5      | 11   | 8   | 0     | 9    | 3   | 20          | na     | 2       | 1            |
| 1964 | 5      | 12   | 6   | 0     | 11   | 3   | 22          | na     | 2       | 1            |
| 1965 | 5      | 15   | 8   | 0     | 10   | 3   | 19          | na     | 2       | 1            |
| 1966 | 5      | 16   | 8   | 0     | 11   | 3   | 18          | na     | 2       | 1            |
| 1967 | 6      | 15   | 8   | 0     | 10   | 3   | 17          | na     | 2       | 1            |
| 1968 | 5      | 14   | 8   | 0     | 10   | 3   | 18          | na     | 2       | 1            |
| 1969 | 6      | 15   | 8   | 0     | 10   | 3   | 18          | na     | 2       | 1            |
| 1970 | 5      | 15   | 9   | 0     | 9    | 2   | 17          | na     | 2       | 1            |
| 1971 | 5      | 15   | 9   | 0     | 9    | 3   | 17          | na     | 1       | 1            |
| 1972 | 6      | 11   | 8   | 0     | 8    | 3   | 15          | 9      | 1       | 1            |
| 1973 | 7      | 12   | 7   | 0     | 8    | 3   | 13          | 8      | 1       | 1            |
| 1974 | 7      | 15   | 4   | 0     | 7    | 3   | 13          | 8      | 1       | 1            |
| 1975 | 6      | 16   | 4   | 0     | 8    | 3   | 17          | 6      | 2       | 1            |
| 1976 | 7      | 16   | 6   | 0     | 7    | 2   | 15          | 6      | 2       | 1            |
| 1977 | 6      | 17   | 4   | 0     | 4    | 2   | 18          | 8      | 2       | 1            |
| 1978 | 7      | 18   | 5   | 0     | 6    | 2   | 17          | 8      | 2       | 1            |
| 1979 | 5      | 21   | 3   | 0     | 6    | 2   | 14          | 9      | 2       | 1            |
| 1980 | 8      | 19   | 4   | 0     | 6    | 3   | 16          | 6      | 2       | 1            |
| 1981 | 9      | 17   | 5   | 1     | 9    | 3   | 13          | 6      | 2       | 1            |
| 1982 | 11     | 16   | 4   | 1     | 10   | 3   | 13          | 5      | 2       | 1            |
| 1983 | 9      | 7    | 5   | 1     | 12   | 2   | 15          | 6      | 2       | 1            |
| 1984 | 11     | 6    | 5   | 1     | 9    | 3   | 16          | 9      | 2       | 2            |
| 1985 | 9      | 5    | 4   | 1     | 10   | 3   | 22          | 8      | 1       | 2            |
| 1986 | 5      | 9    | 4   | 1     | 10   | 1   | 23          | 8      | 2       | 2            |
| 1987 | 3      | 13   | 4   | 0     | 7    | 1   | 25          | 9      | 2       | 1            |
| 1988 | 5      | 13   | 3   | 1     | 14   | 2   | 18          | 7      | 2       | 1            |
| 1989 | 5      | 10   | 2   | 1     | 18   | 1   | 20          | 6      | 1       | 1            |
| 1990 | 4      | 10   | 3   | 1     | 15   | 1   | 22          | 6      | 1       | 1            |
| 1991 | 5      | 9    | 3   | 1     | 16   | 1   | 20          | 6      | 1       | 2            |
| 1992 | 4      | 10   | 3   | 1     | 16   | 1   | 24          | 4      | 1       | 2            |
| 1993 | 4      | 11   | 3   | 1     | 18   | 1   | 18          | 4      | 2       | 3            |
| 1994 | 3      | 10   | 3   | 1     | 17   | 1   | 17          | 7      | 1       | 3            |
| 1995 | 4      | 9    | 2   | 1     | 19   | 0   | 16          | 8      | 1       | 3            |
| 1996 | 5      | 8    | 3   | 1     | 19   | 1   | 17          | 4      | 2       | 2            |
| 1997 | 6      | 6    | 3   | 1     | 18   | 1   | 19          | 4      | 2       | 3            |
| 1998 | 4      | 7    | 3   | 1     | 19   | 0   | 15          | 7      | 2       | 4            |
| 1999 | 5      | 7    | 2   | 1     | 19   | 0   | 12          | 8      | 2       | 4            |
| 2000 | 5      | 6    | 3   | 1     | 21   | 0   | 16          | 4      | 2       | 3            |
| 2001 | 5      | 4    | 3   | 1     | 22   | 0   | 18          | 4      | 2       | 3            |
| 2002 | 4      | 5    | 3   | 2     | 19   | 0   | 17          | 5      | 2       | 4            |
| 2003 | 5      | 5    | 4   | 2     | 20   | 0   | 16          | 4      | 3       | 4            |
| 2004 | 5      | 5    | 2   | 1     | 19   | 0   | 15          | 7      | 2       | 4            |
| 2005 | 7      | 4    | 4   | 2     | 3    | 0   | 23          | 6      | 2       | 6            |
| 2006 | 6      | 5    | 3   | 1     | 7    | 0   | 20          | 7      | 2       | 6            |
| 2007 | 7      | 4    | 3   | 2     | 11   | 0   | 15          | 6      | 1       | 6            |

|      | Sheep<br>meat | Soybea<br>n | Sugar | Sunflo<br>wer | Tomato | Wheat | Wine | Non-<br>cover<br>ed |
|------|---------------|-------------|-------|---------------|--------|-------|------|---------------------|
| 1956 | 0             | na          | 2     | na            | na     | 8     | 1    | 31                  |
| 1957 | 0             | na          | 2     | na            | na     | 8     | 1    | 32                  |
| 1958 | 0             | na          | 2     | na            | na     | 7     | 1    | 32                  |
| 1959 | 0             | na          | 2     | na            | na     | 8     | 2    | 31                  |
| 1960 | 0             | na          | 1     | na            | na     | 8     | 2    | 32                  |
| 1961 | 0             | na          | 2     | na            | na     | 7     | 3    | 32                  |
| 1962 | 1             | na          | 2     | na            | 0      | 7     | na   | 32                  |
| 1963 | 0             | na          | 5     | na            | 0      | 6     | na   | 29                  |
| 1964 | 0             | na          | 3     | na            | 0      | 6     | na   | 28                  |
| 1965 | 0             | na          | 1     | na            | 0      | 6     | na   | 29                  |
| 1966 | 0             | na          | 1     | na            | 0      | 6     | na   | 29                  |
| 1967 | 0             | na          | 1     | na            | 0      | 7     | na   | 29                  |
| 1968 | 0             | na          | 2     | na            | 0      | 8     | na   | 28                  |
| 1969 | 0             | na          | 2     | na            | 0      | 7     | na   | 28                  |
| 1970 | 0             | na          | 2     | na            | 0      | 8     | na   | 28                  |
| 1971 | 0             | na          | 3     | na            | 0      | 8     | na   | 27                  |
| 1972 | 0             | na          | 3     | na            | 0      | 10    | na   | 25                  |
| 1973 | 0             | na          | 5     | na            | 0      | 11    | 2    | 22                  |
| 1974 | 0             | na          | 7     | na            | 0      | 10    | 1    | 21                  |
| 1975 | 0             | na          | 4     | na            | 0      | 9     | 2    | 22                  |
| 1976 | 0             | na          | 2     | na            | 0      | 11    | 2    | 24                  |
| 1977 | 0             | na          | 2     | na            | 0      | 11    | 2    | 23                  |
| 1978 | 0             | na          | 2     | na            | 0      | 8     | 2    | 23                  |
| 1979 | 0             | na          | 3     | na            | 0      | 7     | 2    | 23                  |
| 1980 | 0             | na          | 5     | na            | 0      | 6     | 1    | 22                  |
| 1981 | 0             | na          | 4     | na            | 0      | 7     | 1    | 23                  |
| 1982 | 0             | na          | 2     | na            | 0      | 7     | 1    | 24                  |
| 1983 | 0             | na          | 2     | na            | 0      | 10    | 2    | 25                  |
| 1984 | 0             | na          | 2     | na            | 0      | 10    | 1    | 24                  |
| 1985 | 0             | na          | 2     | na            | 0      | 8     | 1    | 24                  |
| 1986 | 0             | na          | 2     | na            | 0      | 7     | 2    | 25                  |
| 1987 | 0             | na          | 2     | 0             | 0      | 6     | 2    | 25                  |
| 1988 | 0             | na          | 2     | 0             | 0      | 6     | 2    | 24                  |
| 1989 | 0             | 0           | 2     | 0             | 0      | 7     | 2    | 23                  |
| 1990 | 0             | 0           | 3     | 0             | 0      | 6     | 2    | 23                  |
| 1991 | 0             | 0           | 2     | 0             | 0      | 5     | 3    | 25                  |
| 1992 | 0             | 0           | 2     | 0             | 0      | 7     | 2    | 24                  |
| 1993 | 0             | 0           | 2     | 0             | 0      | 7     | 2    | 24                  |
| 1994 | 0             | 0           | 2     | 0             | 0      | 7     | 3    | 23                  |
| 1995 | 0             | 0           | 2     | 0             | 0      | 8     | 3    | 23                  |
| 1996 | 0             | 0           | 2     | 0             | 0      | 10    | 3    | 22                  |
| 1997 | 0             | 0           | 2     | 0             | 0      | 10    | 3    | 23                  |
| 1998 | 0             | 0           | 2     | 0             | 0      | 8     | 4    | 23                  |
| 1999 | 0             | 0           | 2     | 0             | 0      | 8     | 5    | 24                  |
| 2000 | 1             | 0           | 2     | 0             | 0      | 9     | 3    | 23                  |
| 2001 | 0             | 0           | 2     | 0             | 0      | 9     | 3    | 22                  |
| 2002 | 1             | 0           | 2     | 0             | 0      | 9     | 3    | 23                  |
| 2003 | 1             | 0           | 1     | 0             | 0      | 9     | 3    | 24                  |
| 2004 | 1             | 0           | 1     | 0             | 0      | 11    | 3    | 23                  |
| 2005 | 1             | 0           | 1     | 0             | 0      | 13    | 5    | 24                  |
| 2006 | 0             | 0           | 1     | 0             | 0      | 12    | 4    | 24                  |
| 2007 | 0             | 0           | 1     | 0             | 0      | 15    | 4    | 24                  |

a. At farmgate undistorted prices

Appendix Table 5 (continued): Annual distortion estimates, **Germany**, 1956 to 2007  
(d) Trade status of of covered products<sup>a</sup>[illegible]

|      | sheep<br>meat | soybea<br>n | sugar | sunflo<br>wer | tomato | wheat | wine |
|------|---------------|-------------|-------|---------------|--------|-------|------|
| 1956 | M             | na          | M     | na            | na     | M     | X    |
| 1957 | M             | na          | M     | na            | na     | M     | X    |
| 1958 | M             | na          | M     | na            | na     | M     | X    |
| 1959 | M             | na          | M     | na            | na     | M     | X    |
| 1960 | M             | na          | M     | na            | na     | M     | X    |
| 1961 | M             | na          | M     | na            | na     | M     | X    |
| 1962 | M             | na          | M     | na            | X      | M     | na   |
| 1963 | M             | na          | M     | na            | X      | M     | na   |
| 1964 | M             | na          | M     | na            | M      | M     | na   |
| 1965 | M             | na          | M     | na            | M      | M     | na   |
| 1966 | M             | na          | M     | na            | M      | M     | na   |
| 1967 | M             | na          | M     | na            | M      | M     | na   |
| 1968 | M             | na          | M     | na            | M      | M     | na   |
| 1969 | M             | na          | M     | na            | M      | M     | na   |
| 1970 | M             | na          | M     | na            | M      | M     | na   |
| 1971 | M             | na          | M     | na            | M      | M     | na   |
| 1972 | M             | na          | M     | na            | M      | M     | na   |
| 1973 | M             | na          | M     | na            | M      | M     | X    |
| 1974 | M             | na          | M     | na            | M      | M     | X    |
| 1975 | M             | na          | M     | na            | M      | M     | X    |
| 1976 | M             | na          | M     | na            | M      | M     | X    |
| 1977 | M             | na          | M     | na            | M      | M     | X    |
| 1978 | M             | na          | M     | na            | M      | M     | X    |
| 1979 | M             | na          | M     | na            | M      | M     | X    |
| 1980 | M             | na          | M     | na            | M      | M     | X    |
| 1981 | M             | na          | M     | na            | M      | M     | X    |
| 1982 | M             | na          | M     | na            | M      | M     | X    |
| 1983 | M             | na          | M     | na            | M      | M     | X    |
| 1984 | M             | na          | M     | na            | M      | M     | X    |
| 1985 | M             | na          | M     | na            | M      | M     | X    |
| 1986 | M             | na          | M     | na            | M      | M     | X    |
| 1987 | M             | na          | M     | M             | M      | M     | X    |
| 1988 | M             | na          | M     | M             | M      | M     | X    |
| 1989 | M             | M           | M     | M             | X      | M     | X    |
| 1990 | M             | M           | M     | M             | X      | M     | X    |
| 1991 | M             | M           | M     | M             | X      | M     | X    |
| 1992 | M             | M           | M     | M             | X      | M     | X    |
| 1993 | M             | M           | M     | M             | X      | M     | X    |
| 1994 | M             | M           | M     | M             | X      | M     | X    |
| 1995 | M             | M           | M     | M             | X      | M     | X    |
| 1996 | M             | M           | M     | M             | X      | X     | X    |
| 1997 | M             | M           | M     | M             | X      | X     | X    |
| 1998 | M             | M           | M     | M             | X      | X     | X    |
| 1999 | M             | M           | M     | M             | X      | X     | X    |
| 2000 | M             | M           | M     | M             | X      | X     | X    |
| 2001 | M             | M           | M     | M             | X      | X     | X    |
| 2002 | M             | M           | M     | M             | X      | X     | X    |
| 2003 | M             | M           | M     | M             | X      | X     | X    |
| 2004 | M             | M           | M     | M             | X      | X     | X    |
| 2005 | M             | M           | M     | M             | X      | X     | X    |
| 2006 | M             | M           | M     | M             | X      | X     | X    |
| 2007 | M             | M           | M     | M             | X      | X     | X    |

a. Exportables (X), import-competing products (M) and nontradables (H).

Source: Anderson and Valenzuela (2008), based on author's spreadsheet

Appendix Table 6: Annual distortion estimates, **Iceland**, 1979 to 2007

(a) Nominal rates of assistance to covered products

(percent)

|      | Beef | Egg | Milk | Pigmea<br>t | Poultry | Sheep<br>meat | Wool | All<br>covere<br>d |
|------|------|-----|------|-------------|---------|---------------|------|--------------------|
| 1979 | 74   | 296 | 430  | 146         | 552     | 192           | 0    | 219                |
| 1980 | 101  | 233 | 407  | 130         | 475     | 199           | 32   | 233                |
| 1981 | 143  | 268 | 344  | 168         | 466     | 137           | 50   | 192                |
| 1982 | 156  | 326 | 305  | 219         | 634     | 275           | 58   | 267                |
| 1983 | 134  | 290 | 291  | 209         | 682     | 207           | 23   | 225                |
| 1984 | 185  | 276 | 407  | 251         | 684     | 227           | 15   | 269                |
| 1985 | 267  | 243 | 1032 | 233         | 524     | 256           | 57   | 390                |
| 1986 | 203  | 456 | 592  | 337         | 624     | 167           | 39   | 279                |
| 1987 | 134  | 354 | 858  | 306         | 744     | 323           | 20   | 379                |
| 1988 | 103  | 463 | 387  | 427         | 629     | 352           | 2    | 298                |
| 1989 | 95   | 493 | 272  | 228         | 573     | 282           | -8   | 237                |
| 1990 | 129  | 377 | 589  | 203         | 530     | 248           | 32   | 319                |
| 1991 | 234  | 355 | 538  | 276         | 497     | 314           | 70   | 373                |
| 1992 | 121  | 417 | 431  | 196         | 681     | 236           | 99   | 295                |
| 1993 | 64   | 372 | 449  | 297         | 660     | 109           | 97   | 207                |
| 1994 | 30   | 345 | 402  | 227         | 633     | 100           | 26   | 171                |
| 1995 | 33   | 420 | 276  | 176         | 615     | 139           | 39   | 172                |
| 1996 | 45   | 277 | 361  | 106         | 524     | 0             | 148  | 116                |
| 1997 | 99   | 279 | 299  | 112         | 521     | 0             | 128  | 115                |
| 1998 | 117  | 350 | 390  | 229         | 595     | 109           | 213  | 206                |
| 1999 | 128  | 395 | 395  | 339         | 571     | 108           | 185  | 214                |
| 2000 | 110  | 240 | 192  | 179         | 614     | 84            | 141  | 142                |
| 2001 | 95   | 153 | 133  | 95          | 494     | 75            | 153  | 115                |
| 2002 | 95   | 146 | 430  | 101         | 471     | 26            | 87   | 141                |
| 2003 | 94   | 171 | 378  | 85          | 377     | 20            | 115  | 135                |
| 2004 | 71   | 174 | 340  | 140         | 534     | 0             | 97   | 141                |
| 2005 | 108  | 288 | 422  | 182         | 648     | 3             | 148  | 162                |
| 2006 | 70   | 210 | 339  | 170         | 634     | 11            | 142  | 149                |
| 2007 | 57   | 177 | 154  | 197         | 516     | 14            | 170  | 113                |

Appendix Table 6 (continued): Annual distortion estimates, **Iceland**, 1979 to 2007

(b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup> and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural industries (percent)

|      | NRA, all agric products, <sup>a</sup> by component |                               |                                       |   |   | NRA, agric tradables    |                              |  | NRA, all non-ag tradable goods (9) | RRA <sup>b</sup> (10) |
|------|--|-------------------------------|---------------------------------------|---|---|-------------------------|------------------------------|--|------------------------------------|-----------------------|
|      | NRA, covered products (1)                          | NRA, non-covered products (2) | NRA, non-product-specific support (3) | NRA, all ag products (incl NPS and decoupled) (4)=1+2+3 | NRA, all ag products (incl NPS and decoupled) (5) | NRA, ag exportables (6) | NRA, ag import-competing (7) | NRA, all agric tradable goods <sup>c</sup> (8)=6+7 |                                    |                       |
| 1979 | 219  | 219                           | 10                                    | 229   | 229   | na                      | 229                          | 229  | 10                                 | 199                   |
| 1980 | 233  | 233                           | 11                                    | 243   | 245   | na                      | 243                          | 243  | 10                                 | 213                   |
| 1981 | 192  | 192                           | 10                                    | 202   | 202   | na                      | 202                          | 202  | 10                                 | 175                   |
| 1982 | 267  | 267                           | 15                                    | 282   | 282   | na                      | 282                          | 282  | 11                                 | 244                   |
| 1983 | 225  | 225                           | 17                                    | 242   | 243   | na                      | 242                          | 242  | 11                                 | 209                   |
| 1984 | 269  | 269                           | 20                                    | 290   | 290   | 684                     | 262                          | 290  | 9                                  | 259                   |
| 1985 | 390  | 390                           | 43                                    | 434   | 435   | 292                     | 411                          | 434  | 9                                  | 392                   |
| 1986 | 279  | 279                           | 25                                    | 303   | 303   | 276                     | 337                          | 303  | 6                                  | 280                   |
| 1987 | 379  | 379                           | 26                                    | 405   | 408   | 341                     | 539                          | 405  | 6                                  | 376                   |
| 1988 | 298  | 298                           | 23                                    | 321   | 324   | 370                     | 161                          | 321  | 6                                  | 298                   |
| 1989 | 237  | 237                           | 27                                    | 264   | 266   | 226                     | 246                          | 264  | 6                                  | 243                   |
| 1990 | 319  | 319                           | 26                                    | 345   | 348   | 213                     | 437                          | 345  | 4                                  | 329                   |
| 1991 | 373  | 373                           | 21                                    | 394   | 397   | 418                     | 288                          | 394  | 4                                  | 376                   |
| 1992 | 295  | 295                           | 14                                    | 310   | 311   | 313                     | 266                          | 310  | 4                                  | 295                   |
| 1993 | 207  | 207                           | 9                                     | 216   | 216   | 70                      | 264                          | 216  | 4                                  | 204                   |
| 1994 | 171  | 171                           | 8                                     | 179   | 179   | 29                      | 239                          | 179  | 4                                  | 169                   |
| 1995 | 172  | 172                           | 7                                     | 179   | 179   | 218                     | 156                          | 179  | 4                                  | 169                   |
| 1996 | 116  | 116                           | 7                                     | 123   | 149   | 150                     | 107                          | 123  | 4                                  | 115                   |
| 1997 | 115  | 115                           | 6                                     | 121   | 147   | 49                      | 234                          | 121  | 6                                  | 109                   |
| 1998 | 206  | 206                           | 12                                    | 218   | 247   | 154                     | 284                          | 218  | 4                                  | 205                   |
| 1999 | 214  | 214                           | 9                                     | 223   | 253   | 157                     | 377                          | 223  | 4                                  | 210                   |
| 2000 | 142  | 142                           | 8                                     | 149   | 175   | 100                     | 201                          | 149  | 4                                  | 140                   |
| 2001 | 115  | 115                           | 7                                     | 122   | 155   | 107                     | 126                          | 122  | 3                                  | 115                   |
| 2002 | 141  | 141                           | 8                                     | 150   | 179   | 70                      | 362                          | 150  | 3                                  | 142                   |
| 2003 | 135  | 135                           | 10                                    | 146   | 179   | 60                      | 277                          | 146  | 3                                  | 139                   |
| 2004 | 141  | 141                           | 12                                    | 153   | 185   | 68                      | 247                          | 153  | 3                                  | 146                   |
| 2005 | 162  | 162                           | 16                                    | 178   | 211   | 83                      | 308                          | 178  | 2                                  | 172                   |
| 2006 | 149  | 149                           | 10                                    | 159   | 194   | 91                      | 235                          | 159  | 2                                  | 153                   |
| 2007 | 113  | 113                           | 8                                     | 121   | 155   | 96                      | 131                          | 121  | 2                                  | 116                   |

a. NRAs including assistance to nontradables and via inputs and other forms of non-product-specific (NPS) assistance without and (in column (5)) with decoupled support.

b. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors (columns 8 and 9), respectively, so it excludes decoupled payments but includes all NPS support.

c. Including NPS but excluding decoupled payments, so more than the weighted average of columns (6) and (7).

Appendix Table 6 (continued): Annual distortion estimates, **Iceland**, 1979 to 2007  
(c) Value shares of primary production of covered<sup>a</sup> and non-covered products,  
(percent)

|      | Beef | Egg | Milk | Pigmea<br>t | Poultry | Sheep<br>meat | Wool | Non-<br>covere<br>d |
|------|------|-----|------|-------------|---------|---------------|------|---------------------|
| 1979 | 10   | 3   | 19   | 2           | 1       | 37            | 8    | 20                  |
| 1980 | 7    | 4   | 20   | 3           | 1       | 39            | 6    | 20                  |
| 1981 | 6    | 3   | 19   | 2           | 1       | 44            | 5    | 20                  |
| 1982 | 6    | 4   | 25   | 3           | 1       | 37            | 5    | 20                  |
| 1983 | 7    | 4   | 27   | 3           | 1       | 34            | 5    | 20                  |
| 1984 | 6    | 4   | 23   | 4           | 1       | 34            | 7    | 20                  |
| 1985 | 7    | 6   | 15   | 5           | 3       | 38            | 6    | 20                  |
| 1986 | 8    | 3   | 17   | 4           | 2       | 42            | 6    | 19                  |
| 1987 | 12   | 4   | 15   | 5           | 2       | 35            | 7    | 20                  |
| 1988 | 12   | 2   | 27   | 4           | 1       | 26            | 9    | 20                  |
| 1989 | 11   | 2   | 31   | 5           | 1       | 25            | 6    | 19                  |
| 1990 | 13   | 3   | 23   | 7           | 2       | 32            | 5    | 15                  |
| 1991 | 10   | 4   | 28   | 7           | 2       | 32            | 3    | 15                  |
| 1992 | 15   | 3   | 32   | 8           | 2       | 18            | 5    | 17                  |
| 1993 | 19   | 4   | 16   | 7           | 2       | 27            | 4    | 23                  |
| 1994 | 19   | 4   | 15   | 8           | 2       | 24            | 6    | 24                  |
| 1995 | 16   | 3   | 19   | 9           | 2       | 19            | 6    | 26                  |
| 1996 | 13   | 3   | 13   | 9           | 2       | 30            | 2    | 28                  |
| 1997 | 9    | 3   | 15   | 9           | 2       | 34            | 2    | 26                  |
| 1998 | 10   | 2   | 16   | 7           | 3       | 37            | 2    | 23                  |
| 1999 | 10   | 2   | 16   | 6           | 3       | 39            | 2    | 22                  |
| 2000 | 9    | 2   | 22   | 7           | 2       | 42            | 2    | 13                  |
| 2001 | 7    | 2   | 23   | 10          | 3       | 35            | 2    | 17                  |
| 2002 | 7    | 3   | 14   | 9           | 3       | 38            | 1    | 24                  |
| 2003 | 8    | 4   | 18   | 9           | 4       | 41            | 2    | 15                  |
| 2004 | 10   | 3   | 21   | 9           | 3       | 34            | 3    | 18                  |
| 2005 | 10   | 2   | 17   | 8           | 4       | 40            | 2    | 16                  |
| 2006 | 12   | 3   | 20   | 10          | 4       | 37            | 2    | 12                  |
| 2007 | 12   | 3   | 30   | 8           | 4       | 31            | 2    | 12                  |

a. At farmgate undistorted prices

Appendix Table 6 (continued): Annual distortion estimates, **Iceland**, 1979 to 2007  
 (d) Trade status of covered products<sup>a</sup>

|      | Beef | Egg | Milk | Pigme<br>at | Poultr<br>y | Sheep<br>meat | Wool |
|------|------|-----|------|-------------|-------------|---------------|------|
| 1979 | M    | M   | M    | M           | M           | M             | M    |
| 1980 | M    | M   | M    | M           | M           | M             | M    |
| 1981 | M    | M   | M    | M           | M           | M             | M    |
| 1982 | M    | M   | M    | M           | M           | M             | M    |
| 1983 | M    | M   | M    | M           | M           | M             | M    |
| 1984 | M    | M   | M    | M           | X           | M             | M    |
| 1985 | M    | X   | M    | X           | X           | M             | M    |
| 1986 | X    | X   | X    | M           | X           | X             | X    |
| 1987 | M    | X   | M    | X           | X           | X             | H    |
| 1988 | M    | M   | X    | M           | M           | X             | M    |
| 1989 | X    | M   | M    | M           | M           | X             | M    |
| 1990 | X    | M   | M    | M           | M           | X             | M    |
| 1991 | M    | M   | X    | M           | M           | X             | H    |
| 1992 | X    | M   | X    | M           | M           | M             | X    |
| 1993 | X    | M   | M    | M           | M           | M             | X    |
| 1994 | X    | M   | M    | M           | M           | M             | X    |
| 1995 | M    | X   | M    | X           | X           | M             | X    |
| 1996 | M    | X   | M    | X           | M           | M             | X    |
| 1997 | X    | M   | M    | M           | X           | X             | X    |
| 1998 | M    | M   | M    | X           | X           | X             | M    |
| 1999 | X    | M   | M    | X           | X           | X             | M    |
| 2000 | M    | M   | M    | X           | M           | X             | X    |
| 2001 | M    | M   | M    | X           | X           | X             | X    |
| 2002 | X    | M   | M    | X           | X           | X             | M    |
| 2003 | M    | M   | M    | X           | X           | X             | X    |
| 2004 | M    | M   | M    | X           | X           | X             | X    |
| 2005 | M    | M   | M    | X           | X           | X             | X    |
| 2006 | M    | M   | M    | X           | X           | X             | X    |
| 2007 | M    | M   | M    | X           | X           | X             | X    |

a. Exportables (X), import-competing products (M) and nontradables (H).  
 Source: Anderson and Valenzuela (2008), based on author's spreadsheet



Appendix Table 7: Annual distortion estimates, **Ireland**, 1956 to 2007

(a) Nominal rates of assistance to covered products

(percent)

|      | Barle<br>y | Beef | Egg | Milk | Oat | Pigm<br>eat | Potat<br>o | Poult<br>ry | Rape<br>seed | Shee<br>pmea<br>t | Suga<br>r | Tom<br>ato | Whe<br>at | All<br>cover<br>ed |
|------|------------|------|-----|------|-----|-------------|------------|-------------|--------------|-------------------|-----------|------------|-----------|--------------------|
| 1956 | 6          | na   | na  | 5    | 1   | 36          | na         | na          | na           | na                | 257       | na         | 11        | 16                 |
| 1957 | 22         | na   | na  | 25   | 6   | 36          | na         | na          | na           | na                | 153       | na         | 21        | 28                 |
| 1958 | 35         | na   | na  | -5   | 11  | 35          | na         | na          | na           | na                | 269       | na         | 23        | 22                 |
| 1959 | 25         | na   | na  | 11   | 16  | 36          | na         | na          | na           | na                | 314       | na         | 27        | 31                 |
| 1960 | 21         | na   | na  | -9   | 3   | 25          | na         | na          | na           | na                | 295       | na         | 21        | 21                 |
| 1961 | 41         | na   | na  | 25   | 27  | 41          | 127        | na          | na           | na                | 322       | na         | 27        | 62                 |
| 1962 | 27         | na   | na  | 40   | 19  | 91          | 95         | na          | na           | na                | 316       | na         | 59        | 70                 |
| 1963 | 24         | na   | na  | 10   | 16  | 68          | 126        | na          | na           | na                | 51        | na         | 53        | 57                 |
| 1964 | 16         | na   | na  | -13  | 23  | 66          | 167        | na          | na           | na                | 143       | na         | 44        | 54                 |
| 1965 | 9          | na   | na  | -3   | 17  | 114         | 141        | na          | na           | na                | 556       | na         | 51        | 68                 |
| 1966 | 9          | na   | na  | -10  | 14  | 96          | 141        | na          | na           | na                | 687       | na         | 58        | 61                 |
| 1967 | 20         | na   | na  | -7   | 17  | 103         | 144        | na          | na           | na                | 508       | na         | 56        | 65                 |
| 1968 | 39         | na   | na  | -4   | 22  | 145         | 153        | na          | na           | na                | 364       | na         | 57        | 77                 |
| 1969 | 9          | na   | na  | -11  | 13  | 144         | 139        | na          | na           | na                | 295       | na         | 29        | 61                 |
| 1970 | 5          | na   | na  | -14  | 8   | 149         | 138        | na          | na           | na                | 171       | na         | -2        | 55                 |
| 1971 | 24         | na   | na  | -20  | 0   | 183         | 121        | na          | na           | na                | 91        | na         | 17        | 60                 |
| 1972 | -17        | na   | na  | -31  | -14 | 205         | 109        | na          | na           | na                | 53        | na         | -21       | 41                 |
| 1973 | -7         | 34   | -17 | 208  | 0   | 106         | 57         | 74          | na           | 322               | -30       | 22         | -30       | 74                 |
| 1974 | 3          | -4   | 30  | 210  | 7   | 69          | 18         | 54          | na           | 255               | -51       | 22         | -23       | 42                 |
| 1975 | 23         | 11   | 16  | 264  | 23  | 65          | 49         | 60          | 0            | 267               | 28        | 22         | -9        | 62                 |
| 1976 | 20         | 26   | 5   | 366  | 10  | 122         | 327        | 69          | 0            | 342               | 99        | 22         | -16       | 109                |
| 1977 | 56         | 11   | 41  | 598  | 35  | 65          | 71         | 61          | 0            | 281               | 230       | 22         | -21       | 87                 |
| 1978 | 49         | 11   | 13  | 488  | 74  | 78          | -15        | 49          | 0            | 263               | 230       | 22         | 23        | 88                 |
| 1979 | 75         | 0    | 41  | 440  | 80  | 109         | 17         | 38          | 0            | 230               | 70        | 22         | 35        | 81                 |
| 1980 | 17         | -1   | 22  | 434  | -27 | 71          | 7          | 37          | 0            | 207               | 13        | 22         | 45        | 60                 |
| 1981 | 7          | 23   | 2   | 330  | -2  | 148         | 73         | 72          | 0            | 183               | 74        | 11         | 44        | 94                 |
| 1982 | 8          | 49   | 18  | 313  | 22  | 125         | 95         | 99          | 0            | 181               | 152       | 31         | 51        | 109                |
| 1983 | 32         | 264  | 40  | 287  | -1  | 129         | 87         | 73          | 0            | 203               | 196       | 19         | 28        | 177                |
| 1984 | 6          | 265  | 3   | 311  | 8   | 81          | -24        | 95          | 0            | 172               | 268       | 26         | 20        | 152                |
| 1985 | 18         | 293  | 8   | 282  | -6  | 22          | 11         | 91          | 0            | 95                | 297       | 26         | 31        | 161                |
| 1986 | 157        | 188  | 31  | 361  | 83  | 40          | 17         | 79          | 153          | 134               | 247       | 17         | 119       | 194                |
| 1987 | 233        | 107  | 21  | 533  | 77  | 11          | 17         | 90          | 145          | 211               | 301       | 15         | 143       | 180                |
| 1988 | 85         | 80   | 21  | 192  | 14  | 34          | 17         | 69          | 112          | 215               | 201       | 15         | 94        | 112                |
| 1989 | 45         | 79   | 29  | 84   | 15  | 14          | 17         | 66          | 140          | 167               | 90        | 0          | 31        | 73                 |
| 1990 | 94         | 98   | 12  | 125  | 48  | 7           | 16         | 100         | 200          | 154               | 109       | 2          | 57        | 96                 |
| 1991 | 119        | 157  | 13  | 128  | 39  | 20          | 16         | 83          | 97           | 128               | 191       | 0          | 146       | 116                |
| 1992 | 103        | 93   | 15  | 118  | 63  | 0           | 17         | 118         | 0            | 112               | 212       | 0          | 65        | 87                 |
| 1993 | 105        | 63   | 10  | 123  | 44  | 18          | 17         | 110         | 0            | 38                | 169       | 8          | 58        | 77                 |
| 1994 | 100        | 53   | 0   | 117  | 43  | 18          | 16         | 114         | 0            | 55                | 129       | 11         | 48        | 72                 |
| 1995 | 41         | 69   | 12  | 79   | 40  | 16          | 15         | 129         | 0            | 77                | 119       | 0          | 16        | 64                 |
| 1996 | 2          | 68   | 5   | 70   | 34  | 16          | 14         | 77          | 0            | 45                | 140       | 2          | 0         | 54                 |
| 1997 | 7          | 117  | 1   | 78   | 25  | 13          | 12         | 55          | 0            | 27                | 147       | 0          | 0         | 67                 |
| 1998 | 64         | 121  | 11  | 100  | 50  | 22          | 11         | 51          | 0            | 38                | 186       | 0          | 26        | 85                 |
| 1999 | 44         | 125  | 16  | 106  | 84  | 57          | 11         | 90          | 0            | 37                | 245       | 0          | 37        | 93                 |
| 2000 | 3          | 113  | 3   | 57   | 59  | 32          | 10         | 57          | 1            | 26                | 176       | 0          | 11        | 63                 |
| 2001 | 0          | 140  | 0   | 40   | 29  | 24          | 10         | 52          | 0            | 48                | 138       | 0          | 4         | 56                 |
| 2002 | 0          | 157  | 0   | 75   | 0   | 24          | 10         | 56          | 0            | 35                | 161       | 0          | 0         | 75                 |
| 2003 | 1          | 157  | 0   | 70   | 1   | 33          | 10         | 54          | 0            | 46                | 240       | 2          | 2         | 76                 |
| 2004 | 1          | 92   | 0   | 62   | 23  | 27          | 10         | 101         | 0            | 33                | 238       | 2          | 2         | 59                 |
| 2005 | 0          | 109  | 0   | 33   | 24  | 19          | 10         | 69          | 0            | 54                | 168       | 0          | 0         | 57                 |
| 2006 | 0          | 81   | 0   | 25   | 0   | 14          | 10         | 69          | 0            | 74                | 62        | 0          | 0         | 37                 |
| 2007 | 0          | 71   | 0   | 0    | 0   | 17          | 10         | 100         | 0            | 68                | 99        | 0          | 0         | 24                 |

Appendix Table 7 (continued): Annual distortion estimates, **Ireland**, 1956 to 2007

(b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup> and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural industries (percent)

|      | NRA, all agric products, <sup>a</sup> by component |                               |                                       |   |   | NRA, agric tradables    |                              |  | NRA, all non-ag tradable goods (9) | RRA <sup>b</sup> (10) |
|------|--|-------------------------------|---------------------------------------|---|---|-------------------------|------------------------------|--|------------------------------------|-----------------------|
|      | NRA, covered products (1)                          | NRA, non-covered products (2) | NRA, non-product-specific support (3) | NRA, all ag products (incl NPS and decoupled) (4)=1+2+3 (5) | NRA, all ag products (incl NPS and decoupled) (5) | NRA, ag exportables (6) | NRA, ag import-competing (7) | NRA, all agric tradable goods <sup>c</sup> (8)=6+7 |                                    |                       |
| 1956 | 16   | 6                             | na                                    | 14  | 14  | 13                      | 14                           | 14   | 12                                 | 1                     |
| 1957 | 28   | 11                            | na                                    | 23  | 23  | 24                      | 23                           | 23   | 13                                 | 9                     |
| 1958 | 22   | 11                            | na                                    | 19  | 19  | 10                      | 32                           | 19   | 12                                 | 6                     |
| 1959 | 31   | 13                            | na                                    | 26  | 26  | 18                      | 34                           | 26   | 11                                 | 14                    |
| 1960 | 21   | 9                             | na                                    | 17  | 17  | 7                       | 27                           | 17   | 9                                  | 7                     |
| 1961 | 62   | 20                            | na                                    | 48  | 48  | 56                      | 38                           | 48   | 9                                  | 37                    |
| 1962 | 70   | 22                            | na                                    | 54  | 54  | 64                      | 41                           | 54   | 9                                  | 42                    |
| 1963 | 57   | 16                            | na                                    | 43  | 43  | 55                      | 26                           | 43   | 8                                  | 32                    |
| 1964 | 54   | 16                            | na                                    | 41  | 41  | 47                      | 30                           | 41   | 8                                  | 30                    |
| 1965 | 68   | 18                            | na                                    | 50  | 50  | 62                      | 32                           | 50   | 8                                  | 39                    |
| 1966 | 61   | 17                            | na                                    | 44  | 44  | 52                      | 31                           | 44   | 9                                  | 32                    |
| 1967 | 65   | 19                            | na                                    | 47  | 47  | 52                      | 41                           | 47   | 9                                  | 35                    |
| 1968 | 77   | 24                            | na                                    | 58  | 58  | 62                      | 50                           | 58   | 8                                  | 46                    |
| 1969 | 61   | 16                            | na                                    | 45  | 45  | 58                      | 26                           | 45   | 7                                  | 35                    |
| 1970 | 55   | 12                            | na                                    | 39  | 39  | 58                      | 14                           | 39   | 7                                  | 30                    |
| 1971 | 60   | 14                            | na                                    | 43  | 43  | 58                      | 23                           | 43   | 7                                  | 34                    |
| 1972 | 41   | 5                             | na                                    | 28  | 28  | 55                      | -7                           | 28   | 7                                  | 20                    |
| 1973 | 74   | 41                            | na                                    | 66  | 66  | 29                      | 76                           | 66   | 6                                  | 57                    |
| 1974 | 42   | 33                            | na                                    | 40  | 40  | 33                      | 42                           | 40   | 3                                  | 36                    |
| 1975 | 62   | 48                            | na                                    | 59  | 59  | 58                      | 59                           | 59   | 5                                  | 51                    |
| 1976 | 109  | 76                            | na                                    | 102   | 102   | 125                     | 98                           | 102  | 1                                  | 100                   |
| 1977 | 87   | 71                            | na                                    | 83  | 83  | 94                      | 81                           | 83   | 0                                  | 82                    |
| 1978 | 88   | 71                            | na                                    | 84  | 84  | 92                      | 82                           | 84   | 0                                  | 83                    |
| 1979 | 81   | 70                            | 12                                    | 91  | 92  | 105                     | 73                           | 91   | 0                                  | 90                    |
| 1980 | 60   | 65                            | 12                                    | 73  | 75  | 68                      | 60                           | 73   | 0                                  | 72                    |
| 1981 | 94   | 68                            | 10                                    | 98  | 100   | 56                      | 99                           | 98   | 0                                  | 97                    |
| 1982 | 109  | 71                            | 10                                    | 110   | 112   | 57                      | 115                          | 110  | 0                                  | 109                   |
| 1983 | 177  | 90                            | 9                                     | 163   | 165   | 69                      | 183                          | 163  | 1                                  | 161                   |
| 1984 | 152  | 78                            | 8                                     | 141   | 143   | 46                      | 167                          | 141  | 1                                  | 140                   |
| 1985 | 161  | 83                            | 10                                    | 150   | 153   | 61                      | 166                          | 150  | 1                                  | 149                   |
| 1986 | 194  | 104                           | 3                                     | 173   | 175   | 130                     | 176                          | 173  | 0                                  | 172                   |
| 1987 | 180  | 112                           | 3                                     | 166   | 168   | 167                     | 162                          | 166  | 0                                  | 165                   |
| 1988 | 112  | 59                            | 3                                     | 102   | 105   | 77                      | 102                          | 102  | 1                                  | 101                   |
| 1989 | 73   | 36                            | 3                                     | 66  | 70  | 36                      | 68                           | 66   | 1                                  | 66                    |
| 1990 | 96   | 48                            | 4                                     | 87  | 91  | 52                      | 88                           | 87   | 0                                  | 86                    |
| 1991 | 116  | 57                            | 5                                     | 105   | 110   | 54                      | 107                          | 105  | 0                                  | 104                   |
| 1992 | 87   | 45                            | 5                                     | 81  | 89  | 51                      | 80                           | 81   | 0                                  | 81                    |
| 1993 | 77   | 41                            | 5                                     | 73  | 85  | 54                      | 70                           | 73   | 1                                  | 72                    |
| 1994 | 72   | 38                            | 4                                     | 68  | 83  | 50                      | 66                           | 68   | 1                                  | 67                    |
| 1995 | 64   | 32                            | 5                                     | 61  | 77  | 35                      | 59                           | 61   | 1                                  | 60                    |
| 1996 | 54   | 27                            | 4                                     | 51  | 67  | 18                      | 54                           | 51   | 1                                  | 50                    |
| 1997 | 67   | 33                            | 4                                     | 63  | 79  | 23                      | 67                           | 63   | 1                                  | 62                    |
| 1998 | 85   | 42                            | 4                                     | 78  | 95  | 39                      | 80                           | 78   | 1                                  | 77                    |
| 1999 | 93   | 46                            | 4                                     | 85  | 102   | 44                      | 87                           | 85   | 1                                  | 84                    |
| 2000 | 63   | 31                            | 3                                     | 58  | 76  | 18                      | 64                           | 58   | 1                                  | 58                    |
| 2001 | 56   | 29                            | 4                                     | 53  | 70  | 12                      | 58                           | 53   | 1                                  | 52                    |
| 2002 | 75   | 37                            | 5                                     | 70  | 87  | 20                      | 77                           | 70   | 1                                  | 69                    |
| 2003 | 76   | 39                            | 5                                     | 71  | 91  | 18                      | 80                           | 71   | 1                                  | 70                    |
| 2004 | 59   | 28                            | 4                                     | 55  | 73  | 13                      | 61                           | 55   | 1                                  | 54                    |
| 2005 | 57   | 28                            | 4                                     | 47  | 66  | 0                       | 67                           | 47   | 1                                  | 47                    |
| 2006 | 37   | 19                            | 4                                     | 33  | 54  | 0                       | 42                           | 33   | 1                                  | 32                    |
| 2007 | 24   | 12                            | 4                                     | 22  | 41  | 0                       | 30                           | 22   | 1                                  | 22                    |

- a. NRAs including assistance to nontradables and via inputs and other forms of non-product-specific (NPS) assistance without and (in column (5)) with decoupled support.
- b. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors (columns 8 and 9), respectively, so it excludes decoupled payments but includes all NPS support.
- c. Including NPS but excluding decoupled payments, so more than the weighted average of columns (6) and (7).

Appendix Table 7 (continued): Annual distortion estimates, **Ireland**, 1956 to 2007  
(c) Value shares of primary production of covered<sup>a</sup> and non-covered products,  
(percent)

|      | Barle<br>y | Beef | Egg | Milk | Oat | Pigm<br>eat | Potat<br>o | Poult<br>ry | Rape<br>seed | Shee<br>pmea<br>t | Suga<br>r | Tom<br>ato | Whe<br>at | Non-<br>cover<br>ed |
|------|------------|------|-----|------|-----|-------------|------------|-------------|--------------|-------------------|-----------|------------|-----------|---------------------|
| 1956 | 8          | na   | na  | 23   | 15  | 14          | na         | na          | na           | na                | 1         | na         | 12        | 27                  |
| 1957 | 9          | na   | na  | 21   | 11  | 15          | na         | na          | na           | na                | 3         | na         | 14        | 28                  |
| 1958 | 7          | na   | na  | 26   | 11  | 19          | na         | na          | na           | na                | 2         | na         | 9         | 27                  |
| 1959 | 10         | na   | na  | 21   | 11  | 18          | na         | na          | na           | na                | 2         | na         | 10        | 28                  |
| 1960 | 9          | na   | na  | 16   | 11  | 20          | na         | na          | na           | na                | 2         | na         | 12        | 31                  |
| 1961 | 8          | na   | na  | 10   | 6   | 16          | 16         | na          | na           | na                | 1         | na         | 10        | 33                  |
| 1962 | 10         | na   | na  | 9    | 7   | 13          | 19         | na          | na           | na                | 2         | na         | 7         | 33                  |
| 1963 | 10         | na   | na  | 12   | 6   | 14          | 15         | na          | na           | na                | 4         | na         | 5         | 34                  |
| 1964 | 10         | na   | na  | 16   | 5   | 16          | 11         | na          | na           | na                | 3         | na         | 5         | 35                  |
| 1965 | 11         | na   | na  | 15   | 5   | 15          | 13         | na          | na           | na                | 1         | na         | 4         | 36                  |
| 1966 | 11         | na   | na  | 16   | 5   | 14          | 13         | na          | na           | na                | 1         | na         | 3         | 37                  |
| 1967 | 10         | na   | na  | 17   | 5   | 11          | 13         | na          | na           | na                | 1         | na         | 5         | 38                  |
| 1968 | 10         | na   | na  | 18   | 4   | 12          | 11         | na          | na           | na                | 2         | na         | 7         | 37                  |
| 1969 | 12         | na   | na  | 18   | 4   | 14          | 10         | na          | na           | na                | 2         | na         | 6         | 36                  |
| 1970 | 12         | na   | na  | 17   | 3   | 13          | 10         | na          | na           | na                | 2         | na         | 7         | 36                  |
| 1971 | 11         | na   | na  | 17   | 3   | 12          | 10         | na          | na           | na                | 4         | na         | 6         | 37                  |
| 1972 | 15         | na   | na  | 18   | 3   | 13          | 7          | na          | na           | na                | 3         | na         | 6         | 36                  |
| 1973 | 9          | 23   | 3   | 13   | 2   | 7           | 6          | 2           | na           | 4                 | 4         | 1          | 4         | 23                  |
| 1974 | 8          | 36   | 2   | 11   | 1   | 6           | 4          | 1           | na           | 3                 | 3         | 1          | 3         | 21                  |
| 1975 | 7          | 41   | 2   | 10   | 1   | 5           | 4          | 1           | 0            | 3                 | 2         | 1          | 2         | 21                  |
| 1976 | 8          | 35   | 2   | 11   | 1   | 5           | 5          | 2           | 0            | 3                 | 2         | 1          | 3         | 23                  |
| 1977 | 8          | 41   | 1   | 7    | 1   | 6           | 6          | 2           | 0            | 3                 | 1         | 1          | 3         | 22                  |
| 1978 | 8          | 42   | 2   | 9    | 1   | 6           | 4          | 2           | 0            | 3                 | 1         | 1          | 2         | 21                  |
| 1979 | 7          | 43   | 1   | 10   | 0   | 5           | 4          | 2           | 0            | 3                 | 2         | 1          | 2         | 21                  |
| 1980 | 10         | 43   | 1   | 8    | 1   | 5           | 3          | 2           | 0            | 3                 | 2         | 1          | 1         | 19                  |
| 1981 | 13         | 31   | 2   | 14   | 1   | 5           | 2          | 2           | 0            | 4                 | 2         | 1          | 2         | 22                  |
| 1982 | 13         | 29   | 1   | 15   | 1   | 5           | 3          | 2           | 0            | 4                 | 1         | 0          | 2         | 23                  |
| 1983 | 13         | 15   | 2   | 21   | 1   | 6           | 4          | 3           | 0            | 4                 | 2         | 1          | 4         | 27                  |
| 1984 | 15         | 14   | 2   | 18   | 1   | 6           | 5          | 2           | 0            | 4                 | 1         | 0          | 5         | 26                  |
| 1985 | 11         | 15   | 2   | 21   | 1   | 8           | 3          | 2           | 0            | 5                 | 1         | 0          | 4         | 26                  |
| 1986 | 6          | 26   | 1   | 19   | 1   | 8           | 3          | 3           | 0            | 5                 | 1         | 0          | 2         | 26                  |
| 1987 | 4          | 33   | 2   | 13   | 1   | 9           | 4          | 3           | 0            | 3                 | 1         | 0          | 2         | 25                  |
| 1988 | 5          | 29   | 1   | 22   | 1   | 5           | 2          | 3           | 0            | 3                 | 1         | 0          | 2         | 25                  |
| 1989 | 5          | 23   | 1   | 30   | 1   | 6           | 2          | 2           | 0            | 3                 | 1         | 0          | 2         | 24                  |
| 1990 | 4          | 24   | 1   | 25   | 1   | 8           | 3          | 2           | 0            | 4                 | 1         | 0          | 2         | 25                  |
| 1991 | 3          | 20   | 1   | 26   | 1   | 8           | 3          | 2           | 0            | 5                 | 1         | 0          | 2         | 27                  |
| 1992 | 3          | 24   | 1   | 24   | 0   | 10          | 2          | 2           | 0            | 5                 | 1         | 0          | 2         | 25                  |
| 1993 | 2          | 27   | 1   | 24   | 0   | 7           | 1          | 2           | 0            | 8                 | 1         | 0          | 2         | 24                  |
| 1994 | 2          | 25   | 1   | 25   | 0   | 8           | 3          | 2           | 0            | 7                 | 1         | 0          | 2         | 24                  |
| 1995 | 3          | 24   | 1   | 28   | 0   | 7           | 4          | 1           | 0            | 5                 | 1         | 0          | 2         | 24                  |
| 1996 | 4          | 22   | 1   | 27   | 0   | 8           | 2          | 2           | 0            | 6                 | 1         | 0          | 3         | 24                  |
| 1997 | 4          | 20   | 1   | 27   | 0   | 9           | 1          | 2           | 0            | 7                 | 1         | 0          | 3         | 25                  |
| 1998 | 2          | 23   | 1   | 26   | 0   | 7           | 2          | 2           | 0            | 7                 | 1         | 0          | 2         | 26                  |
| 1999 | 3          | 24   | 1   | 25   | 0   | 6           | 3          | 2           | 0            | 7                 | 1         | 0          | 2         | 26                  |
| 2000 | 4          | 20   | 1   | 29   | 0   | 7           | 1          | 2           | 0            | 7                 | 1         | 0          | 2         | 25                  |
| 2001 | 4          | 15   | 1   | 34   | 0   | 9           | 1          | 2           | 0            | 6                 | 1         | 0          | 2         | 24                  |
| 2002 | 3          | 16   | 1   | 30   | 1   | 8           | 2          | 3           | 0            | 7                 | 1         | 0          | 3         | 26                  |
| 2003 | 4          | 17   | 1   | 30   | 0   | 6           | 2          | 3           | 0            | 6                 | 1         | 0          | 3         | 27                  |
| 2004 | 4          | 19   | 1   | 31   | 0   | 6           | 2          | 2           | 0            | 6                 | 1         | 0          | 3         | 25                  |
| 2005 | 6          | 27   | 2   | 6    | 0   | 12          | 2          | 4           | 0            | 10                | 1         | 0          | 5         | 24                  |
| 2006 | 5          | 17   | 2   | 30   | 1   | 7           | 2          | 2           | 0            | 6                 | 0         | 0          | 4         | 24                  |
| 2007 | 9          | 15   | 1   | 28   | 1   | 7           | 3          | 2           | 0            | 6                 | 0         | 0          | 5         | 24                  |

a. At farmgate undistorted prices

Appendix Table 7 (continued): Annual distortion estimates, **Ireland**, 1956 to 2007  
 (d) Trade status of covered products<sup>a</sup>

|      | Barle<br>y | Beef | Egg | Milk | Oat | Pigm<br>eat | Potat<br>o | Poult<br>ry | Rape<br>seed | Shee<br>pmea<br>t | Sugar | Toma<br>to | Whea<br>t |
|------|------------|------|-----|------|-----|-------------|------------|-------------|--------------|-------------------|-------|------------|-----------|
| 1956 | M          | na   | na  | X    | M   | X           | na         | na          | na           | na                | M     | na         | M         |
| 1957 | M          | na   | na  | X    | M   | X           | na         | na          | na           | na                | M     | na         | M         |
| 1958 | M          | na   | na  | X    | M   | X           | na         | na          | na           | na                | M     | na         | M         |
| 1959 | M          | na   | na  | X    | M   | X           | na         | na          | na           | na                | M     | na         | M         |
| 1960 | M          | na   | na  | X    | M   | X           | na         | na          | na           | na                | M     | na         | M         |
| 1961 | M          | na   | na  | X    | M   | X           | X          | na          | na           | na                | M     | na         | M         |
| 1962 | M          | na   | na  | X    | M   | X           | X          | na          | na           | na                | M     | na         | M         |
| 1963 | M          | na   | na  | X    | M   | X           | X          | na          | na           | na                | M     | na         | M         |
| 1964 | M          | na   | na  | X    | M   | X           | X          | na          | na           | na                | M     | na         | M         |
| 1965 | M          | na   | na  | X    | M   | X           | X          | na          | na           | na                | M     | na         | M         |
| 1966 | M          | na   | na  | X    | M   | X           | X          | na          | na           | na                | M     | na         | M         |
| 1967 | M          | na   | na  | X    | M   | X           | X          | na          | na           | na                | M     | na         | M         |
| 1968 | M          | na   | na  | X    | M   | X           | X          | na          | na           | na                | M     | na         | M         |
| 1969 | M          | na   | na  | X    | M   | X           | X          | na          | na           | na                | M     | na         | M         |
| 1970 | M          | na   | na  | X    | M   | X           | X          | na          | na           | na                | M     | na         | M         |
| 1971 | M          | na   | na  | X    | M   | X           | X          | na          | na           | na                | M     | na         | M         |
| 1972 | M          | na   | na  | X    | M   | X           | X          | na          | na           | na                | M     | na         | M         |
| 1973 | X          | M    | M   | M    | M   | M           | M          | M           | na           | M                 | M     | M          | M         |
| 1974 | X          | M    | M   | M    | M   | M           | M          | M           | na           | M                 | M     | M          | M         |
| 1975 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1976 | M          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1977 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1978 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1979 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1980 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1981 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1982 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1983 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1984 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1985 | X          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1986 | M          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1987 | M          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1988 | M          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M          | M         |
| 1989 | M          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | X          | M         |
| 1990 | M          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | X          | M         |
| 1991 | M          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | X          | M         |
| 1992 | M          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | M         |
| 1993 | M          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | M         |
| 1994 | M          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | X          | M         |
| 1995 | M          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | X          | M         |
| 1996 | X          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 1997 | X          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 1998 | M          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 1999 | M          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 2000 | X          | M    | X   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 2001 | X          | M    | X   | M    | M   | M           | M          | M           | M            | M                 | M     | X          | X         |
| 2002 | X          | M    | X   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 2003 | X          | M    | X   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 2004 | X          | M    | X   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 2005 | X          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 2006 | X          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |
| 2007 | X          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X          | X         |

a. Exportables (X), import-competing products (M) and nontradables (H).

Source: Anderson and Valenzuela (2008), based on author's spreadsheet

Appendix Table 7: Annual distortion estimates, **Italy**, 1956 to 2007

(a) Nominal rates of assistance to covered products

|      | (percent) |      |     |       |      |     |        |        |         |          |
|------|-----------|------|-----|-------|------|-----|--------|--------|---------|----------|
|      | Barley    | Beef | Egg | Maize | Milk | Oat | Pigeon | Potato | Poultry | Rapeseed |
| 1956 | -12       | -25  | 5   | -17   | 211  | -61 | 26     | na     | 25      | -38      |
| 1957 | 1         | -9   | 24  | -24   | 284  | -72 | 24     | na     | 16      | -33      |
| 1958 | 13        | -2   | 25  | -11   | 215  | -69 | 16     | na     | 3       | -28      |
| 1959 | 4         | -7   | 6   | -21   | 264  | -64 | 15     | na     | -8      | -38      |
| 1960 | 1         | 26   | 7   | -23   | 224  | -60 | 1      | na     | -2      | -35      |
| 1961 | 17        | 4    | 10  | -1    | 325  | -61 | 11     | na     | -5      | -43      |
| 1962 | 75        | 127  | 22  | 47    | 421  | 49  | 120    | na     | 80      | 0        |
| 1963 | 69        | 103  | 11  | 44    | 339  | 51  | 117    | na     | 73      | 0        |
| 1964 | 60        | 86   | 25  | 41    | 277  | 41  | 87     | na     | 57      | 0        |
| 1965 | 52        | 62   | 32  | 45    | 320  | 48  | 133    | na     | 61      | 0        |
| 1966 | 54        | 51   | 16  | 36    | 296  | 42  | 149    | na     | 59      | 0        |
| 1967 | 69        | 53   | 15  | 49    | 310  | 43  | 129    | na     | 51      | 0        |
| 1968 | 99        | 73   | 20  | 77    | 337  | 54  | 132    | na     | 51      | 0        |
| 1969 | 54        | 73   | 16  | 66    | 307  | 41  | 152    | na     | 48      | 0        |
| 1970 | 54        | 71   | -4  | 41    | 308  | 48  | 142    | na     | 43      | 0        |
| 1971 | 89        | 69   | 3   | 48    | 317  | 31  | 136    | na     | 162     | 0        |
| 1972 | 37        | 89   | -5  | 73    | 300  | 14  | 114    | 54     | 106     | 0        |
| 1973 | -7        | 34   | -17 | 19    | 208  | 0   | 106    | 57     | 74      | 0        |
| 1974 | 3         | -4   | 30  | 2     | 210  | 7   | 69     | 18     | 54      | 0        |
| 1975 | 23        | 11   | 16  | 22    | 264  | 23  | 65     | 49     | 60      | 0        |
| 1976 | 20        | 26   | 5   | 39    | 366  | 10  | 122    | 327    | 69      | 0        |
| 1977 | 56        | 11   | 41  | 72    | 598  | 35  | 65     | 71     | 61      | 0        |
| 1978 | 49        | 11   | 13  | 81    | 488  | 74  | 78     | -15    | 49      | 0        |
| 1979 | 75        | 0    | 41  | 67    | 440  | 80  | 109    | 17     | 38      | 0        |
| 1980 | 17        | -1   | 22  | 62    | 434  | -27 | 71     | 7      | 37      | 0        |
| 1981 | 7         | 23   | 2   | 43    | 330  | -2  | 148    | 73     | 72      | 0        |
| 1982 | 8         | 49   | 18  | 66    | 313  | 22  | 125    | 95     | 99      | 0        |
| 1983 | 32        | 264  | 40  | 29    | 287  | -1  | 129    | 87     | 73      | 0        |
| 1984 | 6         | 265  | 3   | 15    | 311  | 8   | 81     | -24    | 95      | 0        |
| 1985 | 18        | 293  | 8   | 28    | 282  | -6  | 22     | 11     | 91      | 0        |
| 1986 | 157       | 188  | 31  | 110   | 361  | 83  | 40     | 17     | 79      | 153      |
| 1987 | 233       | 107  | 21  | 170   | 533  | 77  | 11     | 17     | 90      | 145      |
| 1988 | 85        | 80   | 21  | 79    | 192  | 14  | 34     | 17     | 69      | 112      |
| 1989 | 45        | 79   | 29  | 62    | 84   | 15  | 14     | 17     | 66      | 140      |
| 1990 | 94        | 98   | 12  | 108   | 125  | 48  | 7      | 16     | 100     | 200      |
| 1991 | 119       | 157  | 13  | 120   | 128  | 39  | 20     | 16     | 83      | 97       |
| 1992 | 103       | 93   | 15  | 103   | 118  | 63  | 0      | 17     | 118     | 0        |
| 1993 | 105       | 63   | 10  | 69    | 123  | 44  | 18     | 17     | 110     | 0        |
| 1994 | 100       | 53   | 0   | 45    | 117  | 43  | 18     | 16     | 114     | 0        |
| 1995 | 41        | 69   | 12  | 53    | 79   | 40  | 16     | 15     | 129     | 0        |
| 1996 | 2         | 68   | 5   | 14    | 70   | 34  | 16     | 14     | 77      | 0        |
| 1997 | 7         | 117  | 1   | 19    | 78   | 25  | 13     | 12     | 55      | 0        |
| 1998 | 64        | 121  | 11  | 32    | 100  | 50  | 22     | 11     | 51      | 0        |
| 1999 | 44        | 125  | 16  | 39    | 106  | 84  | 57     | 11     | 90      | 0        |
| 2000 | 3         | 113  | 3   | 27    | 57   | 59  | 32     | 10     | 57      | 1        |
| 2001 | 0         | 140  | 0   | 14    | 40   | 29  | 24     | 10     | 52      | 0        |
| 2002 | 0         | 157  | 0   | 9     | 75   | 0   | 24     | 10     | 56      | 0        |
| 2003 | 1         | 157  | 0   | 34    | 70   | 1   | 33     | 10     | 54      | 0        |
| 2004 | 1         | 92   | 0   | 39    | 62   | 23  | 27     | 10     | 101     | 0        |
| 2005 | 0         | 109  | 0   | 19    | 33   | 24  | 19     | 10     | 69      | 0        |
| 2006 | 0         | 86   | 0   | 19    | 24   | 0   | 14     | 10     | 69      | 0        |
| 2007 | 0         | 66   | 0   | 23    | 0    | 0   | 17     | 10     | 99      | 0        |

|      | Rice | Sheep<br>meat | Soybea<br>n | Sugar | Sunflo<br>wer | Tomato | Wheat | Wine | All<br>covere<br>d |
|------|------|---------------|-------------|-------|---------------|--------|-------|------|--------------------|
| 1956 | -53  | 89            | 14          | -11   | 5             | 1      | 15    | -43  | 4                  |
| 1957 | -54  | 99            | 13          | -31   | 15            | -2     | 6     | -53  | -1                 |
| 1958 | -59  | 126           | 13          | 46    | 20            | 23     | -3    | 2    | 23                 |
| 1959 | -81  | 120           | 12          | 59    | 9             | -13    | 7     | -52  | -3                 |
| 1960 | -89  | 105           | 12          | -30   | 9             | 11     | 23    | -53  | 0                  |
| 1961 | -87  | 117           | 11          | 12    | 3             | -6     | 9     | -33  | 12                 |
| 1962 | -15  | 279           | na          | 185   | 0             | 22     | 78    | 4    | 52                 |
| 1963 | -20  | 231           | na          | 13    | 0             | 22     | 86    | 4    | 46                 |
| 1964 | -19  | 226           | na          | 63    | 0             | 22     | 70    | 4    | 45                 |
| 1965 | 8    | 203           | na          | 330   | 0             | 22     | 74    | 4    | 51                 |
| 1966 | -12  | 372           | na          | 410   | 0             | 22     | 63    | 4    | 49                 |
| 1967 | -24  | 373           | na          | 319   | 0             | 22     | 64    | 4    | 47                 |
| 1968 | -2   | 382           | na          | 232   | 0             | 22     | 73    | 4    | 55                 |
| 1969 | 25   | 386           | na          | 183   | 0             | 22     | 62    | 4    | 49                 |
| 1970 | 43   | 372           | na          | 100   | 0             | 22     | 24    | 4    | 42                 |
| 1971 | -12  | 367           | na          | 47    | 0             | 22     | 55    | 4    | 50                 |
| 1972 | -31  | 385           | na          | 46    | 0             | 22     | -2    | 4    | 44                 |
| 1973 | -61  | 322           | 0           | -30   | 0             | 22     | -30   | 4    | 17                 |
| 1974 | -55  | 255           | 0           | -51   | 0             | 22     | -23   | 4    | 12                 |
| 1975 | -19  | 267           | 0           | 28    | 0             | 22     | -9    | 4    | 26                 |
| 1976 | 0    | 342           | 0           | 99    | 0             | 22     | -16   | 4    | 40                 |
| 1977 | -10  | 281           | 0           | 230   | 0             | 22     | -21   | 4    | 38                 |
| 1978 | 16   | 263           | 0           | 230   | 0             | 22     | 23    | 4    | 40                 |
| 1979 | -15  | 230           | 0           | 70    | 0             | 22     | 35    | 4    | 37                 |
| 1980 | -38  | 207           | 0           | 13    | 0             | 22     | 45    | 4    | 34                 |
| 1981 | 1    | 183           | 0           | 74    | 0             | 11     | 44    | 17   | 51                 |
| 1982 | 17   | 181           | 0           | 152   | 0             | 31     | 51    | 15   | 64                 |
| 1983 | -10  | 203           | 0           | 196   | 0             | 19     | 28    | 10   | 65                 |
| 1984 | 41   | 172           | 0           | 268   | 0             | 26     | 20    | 7    | 58                 |
| 1985 | 105  | 95            | 0           | 297   | 0             | 26     | 31    | -25  | 48                 |
| 1986 | 127  | 134           | 211         | 247   | 144           | 17     | 119   | 9    | 74                 |
| 1987 | 190  | 211           | 169         | 301   | 150           | 15     | 143   | 9    | 74                 |
| 1988 | 162  | 215           | 108         | 201   | 96            | 15     | 94    | 7    | 57                 |
| 1989 | 148  | 167           | 118         | 90    | 150           | 0      | 31    | 6    | 36                 |
| 1990 | 152  | 154           | 147         | 109   | 143           | 2      | 57    | 8    | 44                 |
| 1991 | 144  | 128           | 159         | 191   | 111           | 0      | 146   | 9    | 51                 |
| 1992 | 143  | 112           | 0           | 212   | 0             | 0      | 65    | 13   | 42                 |
| 1993 | 106  | 38            | 0           | 169   | 0             | 8      | 58    | 13   | 42                 |
| 1994 | 133  | 55            | 0           | 129   | 0             | 11     | 48    | 10   | 37                 |
| 1995 | 88   | 77            | 0           | 119   | 0             | 0      | 16    | 4    | 31                 |
| 1996 | 33   | 45            | 0           | 140   | 0             | 2      | 0     | 4    | 23                 |
| 1997 | 31   | 27            | 0           | 147   | 0             | 0      | 0     | 5    | 27                 |
| 1998 | 18   | 38            | 0           | 186   | 0             | 0      | 26    | 3    | 30                 |
| 1999 | 0    | 37            | 0           | 245   | 0             | 0      | 37    | 2    | 33                 |
| 2000 | 1    | 26            | 0           | 176   | 0             | 0      | 11    | 2    | 24                 |
| 2001 | 42   | 48            | 0           | 138   | 0             | 0      | 4     | 2    | 22                 |
| 2002 | 24   | 35            | 0           | 161   | 0             | 0      | 0     | 2    | 26                 |
| 2003 | 18   | 46            | 0           | 240   | 0             | 2      | 2     | 2    | 27                 |
| 2004 | 1    | 33            | 0           | 238   | 0             | 2      | 2     | 1    | 23                 |
| 2005 | 2    | 54            | 0           | 168   | 0             | 0      | 0     | 2    | 10                 |
| 2006 | 3    | 74            | 0           | 66    | 0             | 0      | 0     | 1    | 8                  |
| 2007 | 1    | 68            | 0           | 99    | 0             | 0      | 0     | 1    | 8                  |

Appendix Table 7 (continued): Annual distortion estimates, **Italy**, 1956 to 2007

(b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup> and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural industries (percent)

|      | NRA, all agric products, <sup>a</sup> by component |                               |                                       |   |   | NRA, agric tradables    |                              |  | NRA, all non-ag tradable goods (9) | RRA <sup>b</sup> (10) |
|------|--|-------------------------------|---------------------------------------|---|---|-------------------------|------------------------------|--|------------------------------------|-----------------------|
|      | NRA, covered products (1)                          | NRA, non-covered products (2) | NRA, non-product-specific support (3) | NRA, all ag products (incl NPS and decoupled) (4)=1+2+3 (5) | NRA, all ag products (incl NPS and decoupled) (5) | NRA, ag exportables (6) | NRA, ag import-competing (7) | NRA, all agric tradable goods <sup>c</sup> (8)=6+7 |                                    |                       |
| 1956 | 4  | 2                             | na                                    | 3   | 3   | -35                     | 36                           | 3  | 3                                  | 0                     |
| 1957 | -1   | 1                             | na                                    | -1  | -1  | -43                     | 41                           | -1   | 3                                  | -4                    |
| 1958 | 23   | 10                            | na                                    | 20  | 20  | -1                      | 36                           | 20   | 4                                  | 15                    |
| 1959 | -3   | 1                             | na                                    | -2  | -2  | -45                     | 43                           | -2   | 4                                  | -5                    |
| 1960 | 0  | 2                             | na                                    | 0   | 0   | -45                     | 50                           | 0  | 3                                  | -3                    |
| 1961 | 12   | 7                             | na                                    | 11  | 11  | -31                     | 52                           | 11   | 3                                  | 8                     |
| 1962 | 52   | 47                            | na                                    | 51  | 51  | 14                      | 101                          | 51   | 3                                  | 47                    |
| 1963 | 46   | 39                            | na                                    | 45  | 45  | 13                      | 83                           | 45   | 3                                  | 41                    |
| 1964 | 45   | 37                            | na                                    | 44  | 44  | 12                      | 67                           | 44   | 3                                  | 39                    |
| 1965 | 51   | 41                            | na                                    | 49  | 49  | 14                      | 75                           | 49   | 2                                  | 46                    |
| 1966 | 49   | 38                            | na                                    | 47  | 47  | 13                      | 69                           | 47   | 2                                  | 44                    |
| 1967 | 47   | 37                            | na                                    | 45  | 45  | 11                      | 69                           | 45   | 2                                  | 42                    |
| 1968 | 55   | 42                            | na                                    | 52  | 52  | 13                      | 79                           | 52   | 2                                  | 50                    |
| 1969 | 49   | 40                            | na                                    | 47  | 47  | 13                      | 72                           | 47   | 1                                  | 45                    |
| 1970 | 42   | 32                            | na                                    | 40  | 40  | 11                      | 58                           | 40   | 1                                  | 38                    |
| 1971 | 50   | 38                            | na                                    | 48  | 48  | 13                      | 70                           | 48   | 1                                  | 46                    |
| 1972 | 44   | 31                            | na                                    | 42  | 42  | 9                       | 60                           | 42   | 1                                  | 40                    |
| 1973 | 17   | 11                            | na                                    | 16  | 16  | -1                      | 27                           | 16   | 1                                  | 15                    |
| 1974 | 12   | 9                             | na                                    | 12  | 12  | 1                       | 17                           | 12   | 1                                  | 11                    |
| 1975 | 26   | 19                            | na                                    | 24  | 24  | 8                       | 33                           | 24   | 1                                  | 24                    |
| 1976 | 40   | 26                            | na                                    | 37  | 37  | 12                      | 47                           | 37   | 0                                  | 37                    |
| 1977 | 38   | 28                            | na                                    | 37  | 37  | 13                      | 48                           | 37   | 0                                  | 36                    |
| 1978 | 40   | 30                            | na                                    | 38  | 38  | 15                      | 50                           | 38   | 0                                  | 38                    |
| 1979 | 37   | 31                            | 12                                    | 48  | 50  | 15                      | 47                           | 48   | 0                                  | 48                    |
| 1980 | 34   | 28                            | 12                                    | 45  | 47  | 14                      | 40                           | 45   | 0                                  | 45                    |
| 1981 | 51   | 34                            | 10                                    | 58  | 59  | 28                      | 55                           | 58   | 0                                  | 58                    |
| 1982 | 64   | 42                            | 9                                     | 69  | 71  | 29                      | 72                           | 69   | 0                                  | 69                    |
| 1983 | 65   | 42                            | 9                                     | 69  | 72  | 21                      | 79                           | 69   | 0                                  | 69                    |
| 1984 | 58   | 37                            | 8                                     | 62  | 64  | 20                      | 69                           | 62   | 0                                  | 62                    |
| 1985 | 48   | 39                            | 10                                    | 56  | 59  | 2                       | 67                           | 56   | 0                                  | 56                    |
| 1986 | 74   | 55                            | 3                                     | 74  | 76  | 31                      | 90                           | 74   | 0                                  | 74                    |
| 1987 | 74   | 58                            | 3                                     | 74  | 77  | 36                      | 87                           | 74   | 0                                  | 74                    |
| 1988 | 57   | 40                            | 3                                     | 58  | 60  | 27                      | 66                           | 58   | 0                                  | 58                    |
| 1989 | 36   | 23                            | 3                                     | 36  | 39  | 11                      | 53                           | 36   | 0                                  | 36                    |
| 1990 | 44   | 30                            | 4                                     | 45  | 48  | 15                      | 66                           | 45   | 0                                  | 45                    |
| 1991 | 51   | 36                            | 5                                     | 54  | 58  | 15                      | 82                           | 54   | 0                                  | 54                    |
| 1992 | 42   | 32                            | 5                                     | 45  | 52  | 18                      | 61                           | 45   | 0                                  | 45                    |
| 1993 | 42   | 31                            | 5                                     | 45  | 58  | 20                      | 58                           | 45   | 0                                  | 45                    |
| 1994 | 37   | 28                            | 4                                     | 39  | 54  | 18                      | 51                           | 39   | 0                                  | 39                    |
| 1995 | 31   | 24                            | 5                                     | 34  | 51  | 10                      | 47                           | 34   | 0                                  | 34                    |
| 1996 | 23   | 16                            | 4                                     | 25  | 42  | 7                       | 38                           | 25   | 0                                  | 25                    |
| 1997 | 27   | 19                            | 4                                     | 30  | 46  | 7                       | 44                           | 30   | 0                                  | 30                    |
| 1998 | 30   | 23                            | 4                                     | 33  | 49  | 8                       | 54                           | 33   | 0                                  | 33                    |
| 1999 | 33   | 27                            | 4                                     | 36  | 53  | 9                       | 66                           | 36   | 0                                  | 36                    |
| 2000 | 24   | 17                            | 3                                     | 26  | 43  | 5                       | 47                           | 26   | 0                                  | 26                    |
| 2001 | 22   | 15                            | 4                                     | 24  | 41  | 4                       | 40                           | 24   | 0                                  | 24                    |
| 2002 | 26   | 18                            | 5                                     | 29  | 46  | 5                       | 50                           | 29   | 0                                  | 29                    |
| 2003 | 27   | 19                            | 5                                     | 30  | 49  | 5                       | 55                           | 30   | 0                                  | 30                    |
| 2004 | 23   | 18                            | 4                                     | 27  | 45  | 4                       | 49                           | 27   | 0                                  | 27                    |
| 2005 | 10   | 5                             | 4                                     | 12  | 31  | 1                       | 31                           | 12   | 0                                  | 12                    |
| 2006 | 8  | 5                             | 4                                     | 11  | 32  | 1                       | 24                           | 11   | 0                                  | 11                    |
| 2007 | 8  | 4                             | 4                                     | 10  | 29  | 0                       | 21                           | 10   | 0                                  | 10                    |



- a. NRAs including assistance to nontradables and via inputs and other forms of non-product-specific (NPS) assistance without and (in column (5)) with decoupled support.
- b. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors (columns 8 and 9), respectively, so it excludes decoupled payments but includes all NPS support.
- c. Including NPS but excluding decoupled payments, so more than the weighted average of columns (6) and (7).

Appendix Table 7 (continued): Annual distortion estimates, **Italy**, 1956 to 2007(c) Value shares of primary production of covered<sup>a</sup> and non-covered products,

(percent)

|      | Barley | Beef | Egg | Maize | Milk | Oat | Pigmea<br>t | Potato | Poultry | Rapese<br>ed |
|------|--------|------|-----|-------|------|-----|-------------|--------|---------|--------------|
| 1956 | 1      | 2    | 1   | 6     | 7    | 1   | 5           | na     | 0       | 0            |
| 1957 | 1      | 2    | 1   | 5     | 6    | 1   | 5           | na     | 1       | 0            |
| 1958 | 1      | 2    | 1   | 5     | 9    | 1   | 5           | na     | 1       | 0            |
| 1959 | 1      | 2    | 1   | 5     | 7    | 1   | 5           | na     | 1       | 0            |
| 1960 | 0      | 2    | 1   | 5     | 8    | 1   | 6           | na     | 1       | 0            |
| 1961 | 0      | 2    | 1   | 4     | 6    | 1   | 6           | na     | 1       | 0            |
| 1962 | 0      | 5    | 4   | 3     | 3    | 1   | 3           | na     | 3       | 0            |
| 1963 | 0      | 6    | 5   | 4     | 3    | 1   | 3           | na     | 4       | 0            |
| 1964 | 0      | 6    | 4   | 4     | 4    | 0   | 4           | na     | 4       | 0            |
| 1965 | 0      | 8    | 5   | 4     | 4    | 1   | 3           | na     | 5       | 0            |
| 1966 | 0      | 9    | 5   | 4     | 4    | 0   | 3           | na     | 5       | 0            |
| 1967 | 0      | 10   | 4   | 4     | 4    | 1   | 3           | na     | 4       | 0            |
| 1968 | 0      | 10   | 4   | 3     | 4    | 0   | 3           | na     | 5       | 0            |
| 1969 | 0      | 10   | 4   | 4     | 3    | 0   | 3           | na     | 4       | 0            |
| 1970 | 0      | 10   | 5   | 4     | 3    | 0   | 3           | na     | 4       | 0            |
| 1971 | 0      | 11   | 5   | 4     | 4    | 0   | 3           | na     | 3       | 0            |
| 1972 | 0      | 10   | 5   | 3     | 4    | 0   | 4           | 1      | 3       | 0            |
| 1973 | 0      | 10   | 5   | 4     | 3    | 0   | 3           | 1      | 3       | 0            |
| 1974 | 0      | 13   | 3   | 5     | 3    | 0   | 3           | 1      | 4       | 0            |
| 1975 | 0      | 11   | 3   | 5     | 3    | 0   | 4           | 1      | 4       | 0            |
| 1976 | 1      | 12   | 4   | 5     | 3    | 0   | 4           | 1      | 4       | 0            |
| 1977 | 0      | 14   | 3   | 5     | 2    | 0   | 6           | 1      | 5       | 0            |
| 1978 | 1      | 13   | 4   | 4     | 2    | 0   | 5           | 1      | 5       | 0            |
| 1979 | 0      | 15   | 2   | 4     | 3    | 0   | 4           | 1      | 5       | 0            |
| 1980 | 1      | 16   | 3   | 4     | 3    | 1   | 5           | 1      | 5       | 0            |
| 1981 | 1      | 14   | 4   | 6     | 4    | 0   | 5           | 1      | 5       | 0            |
| 1982 | 1      | 13   | 4   | 6     | 5    | 0   | 5           | 1      | 5       | 0            |
| 1983 | 1      | 5    | 3   | 7     | 4    | 0   | 5           | 1      | 5       | 0            |
| 1984 | 2      | 5    | 3   | 7     | 4    | 0   | 6           | 1      | 4       | 0            |
| 1985 | 1      | 5    | 3   | 6     | 4    | 0   | 8           | 1      | 4       | 0            |
| 1986 | 1      | 7    | 3   | 4     | 4    | 0   | 7           | 1      | 5       | 0            |
| 1987 | 1      | 9    | 3   | 3     | 3    | 0   | 9           | 1      | 4       | 0            |
| 1988 | 1      | 10   | 3   | 4     | 6    | 0   | 7           | 1      | 5       | 0            |
| 1989 | 1      | 8    | 2   | 3     | 8    | 0   | 8           | 1      | 4       | 0            |
| 1990 | 1      | 8    | 3   | 3     | 7    | 0   | 9           | 1      | 3       | 0            |
| 1991 | 1      | 6    | 3   | 3     | 7    | 0   | 8           | 1      | 4       | 0            |
| 1992 | 1      | 8    | 3   | 3     | 7    | 0   | 10          | 1      | 3       | 0            |
| 1993 | 1      | 10   | 3   | 4     | 8    | 0   | 8           | 1      | 3       | 0            |
| 1994 | 0      | 10   | 3   | 4     | 7    | 0   | 7           | 1      | 3       | 0            |
| 1995 | 1      | 9    | 2   | 4     | 9    | 0   | 7           | 2      | 2       | 0            |
| 1996 | 1      | 7    | 3   | 5     | 8    | 0   | 8           | 1      | 3       | 0            |
| 1997 | 1      | 6    | 3   | 5     | 9    | 0   | 9           | 1      | 4       | 0            |
| 1998 | 0      | 6    | 2   | 4     | 8    | 0   | 6           | 1      | 3       | 0            |
| 1999 | 0      | 6    | 2   | 4     | 8    | 0   | 4           | 1      | 2       | 0            |
| 2000 | 1      | 6    | 3   | 5     | 10   | 0   | 6           | 1      | 3       | 0            |
| 2001 | 1      | 4    | 3   | 5     | 11   | 0   | 8           | 1      | 3       | 0            |
| 2002 | 1      | 5    | 3   | 6     | 9    | 0   | 7           | 1      | 3       | 0            |
| 2003 | 0      | 5    | 4   | 4     | 9    | 0   | 7           | 1      | 3       | 0            |
| 2004 | 1      | 6    | 3   | 5     | 9    | 0   | 7           | 1      | 2       | 0            |
| 2005 | 1      | 2    | 3   | 4     | 3    | 0   | 7           | 1      | 1       | 0            |
| 2006 | 1      | 3    | 3   | 4     | 3    | 0   | 8           | 1      | 1       | 0            |
| 2007 | 1      | 3    | 2   | 5     | 7    | 0   | 6           | 1      | 1       | 0            |

|      | Rice | Sheep<br>meat | Soybea<br>n | Sugar | Sunflo<br>wer | Tomato | Wheat | Wine | Non-<br>covere<br>d |
|------|------|---------------|-------------|-------|---------------|--------|-------|------|---------------------|
| 1956 | 3    | 1             | 0           | 0     | 0             | 2      | 19    | 30   | 22                  |
| 1957 | 3    | 1             | 0           | 0     | 0             | 3      | 17    | 34   | 21                  |
| 1958 | 3    | 1             | 0           | 0     | 0             | 4      | 21    | 24   | 23                  |
| 1959 | 3    | 1             | 0           | 0     | 0             | 3      | 16    | 35   | 21                  |
| 1960 | 3    | 1             | 0           | 0     | 0             | 3      | 13    | 36   | 21                  |
| 1961 | 3    | 1             | 0           | 0     | 0             | 4      | 16    | 31   | 22                  |
| 1962 | 2    | 1             | na          | 1     | 0             | 9      | 11    | 38   | 16                  |
| 1963 | 2    | 1             | na          | 2     | 0             | 9      | 9     | 36   | 16                  |
| 1964 | 2    | 1             | na          | 1     | 0             | 11     | 9     | 33   | 16                  |
| 1965 | 1    | 1             | na          | 1     | 0             | 10     | 10    | 33   | 17                  |
| 1966 | 1    | 0             | na          | 1     | 0             | 11     | 10    | 29   | 17                  |
| 1967 | 2    | 0             | na          | 1     | 0             | 10     | 10    | 31   | 17                  |
| 1968 | 2    | 0             | na          | 1     | 0             | 10     | 9     | 30   | 17                  |
| 1969 | 1    | 0             | na          | 1     | 0             | 10     | 9     | 32   | 17                  |
| 1970 | 1    | 0             | na          | 1     | 0             | 9      | 11    | 29   | 17                  |
| 1971 | 2    | 0             | na          | 2     | 0             | 10     | 10    | 28   | 17                  |
| 1972 | 2    | 0             | na          | 2     | 0             | 9      | 13    | 24   | 18                  |
| 1973 | 4    | 0             | 0           | 2     | 0             | 9      | 12    | 25   | 16                  |
| 1974 | 3    | 0             | 0           | 3     | 0             | 11     | 12    | 22   | 16                  |
| 1975 | 2    | 0             | 0           | 2     | 0             | 11     | 11    | 24   | 17                  |
| 1976 | 2    | 0             | 0           | 2     | 0             | 11     | 13    | 18   | 19                  |
| 1977 | 2    | 1             | 0           | 1     | 0             | 11     | 10    | 21   | 18                  |
| 1978 | 2    | 1             | 0           | 1     | 0             | 13     | 9     | 22   | 18                  |
| 1979 | 2    | 1             | 0           | 2     | 0             | 14     | 7     | 22   | 17                  |
| 1980 | 2    | 1             | 0           | 3     | 0             | 15     | 7     | 15   | 18                  |
| 1981 | 2    | 1             | 0           | 3     | 0             | 14     | 8     | 12   | 20                  |
| 1982 | 2    | 1             | 0           | 1     | 0             | 13     | 8     | 16   | 20                  |
| 1983 | 2    | 1             | 0           | 1     | 0             | 17     | 8     | 18   | 20                  |
| 1984 | 2    | 1             | 0           | 1     | 0             | 18     | 9     | 17   | 20                  |
| 1985 | 1    | 1             | 0           | 1     | 0             | 18     | 7     | 21   | 19                  |
| 1986 | 1    | 1             | 1           | 1     | 1             | 17     | 5     | 23   | 18                  |
| 1987 | 1    | 1             | 2           | 1     | 0             | 16     | 5     | 22   | 19                  |
| 1988 | 1    | 1             | 2           | 1     | 1             | 14     | 4     | 20   | 19                  |
| 1989 | 1    | 1             | 2           | 2     | 0             | 17     | 5     | 20   | 18                  |
| 1990 | 1    | 1             | 2           | 1     | 0             | 18     | 4     | 20   | 18                  |
| 1991 | 1    | 1             | 1           | 1     | 0             | 19     | 4     | 21   | 19                  |
| 1992 | 1    | 1             | 1           | 1     | 0             | 15     | 4     | 22   | 18                  |
| 1993 | 1    | 1             | 1           | 1     | 0             | 15     | 4     | 20   | 18                  |
| 1994 | 1    | 1             | 1           | 1     | 1             | 16     | 4     | 22   | 18                  |
| 1995 | 1    | 1             | 1           | 1     | 1             | 14     | 4     | 23   | 18                  |
| 1996 | 2    | 1             | 1           | 1     | 0             | 16     | 5     | 21   | 18                  |
| 1997 | 2    | 1             | 1           | 1     | 1             | 15     | 4     | 20   | 18                  |
| 1998 | 2    | 1             | 1           | 1     | 1             | 17     | 4     | 25   | 17                  |
| 1999 | 2    | 1             | 1           | 1     | 0             | 20     | 3     | 25   | 18                  |
| 2000 | 2    | 1             | 1           | 1     | 0             | 21     | 3     | 20   | 18                  |
| 2001 | 1    | 1             | 1           | 1     | 0             | 17     | 3     | 21   | 18                  |
| 2002 | 1    | 1             | 1           | 1     | 0             | 18     | 4     | 22   | 18                  |
| 2003 | 1    | 1             | 0           | 0     | 0             | 20     | 3     | 22   | 19                  |
| 2004 | 2    | 1             | 1           | 1     | 0             | 17     | 4     | 23   | 19                  |
| 2005 | 1    | 0             | 1           | 0     | 0             | 20     | 4     | 28   | 24                  |
| 2006 | 2    | 0             | 1           | 0     | 0             | 18     | 4     | 27   | 24                  |
| 2007 | 2    | 0             | 1           | 0     | 0             | 18     | 6     | 21   | 24                  |

a. At farmgate undistorted prices

Appendix Table 7 (continued): Annual distortion estimates, **Italy**, 1956 to 2007  
(d) Trade status of of covered products<sup>a</sup>[illegible]

|      | Rice | Sheep<br>meat | Soybe<br>an | Sugar | Sunflo<br>wer | Tomat<br>o | Wheat | Wine |
|------|------|---------------|-------------|-------|---------------|------------|-------|------|
| 1956 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1957 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1958 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1959 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1960 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1961 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1962 | X    | M             | na          | M     | M             | X          | M     | X    |
| 1963 | X    | M             | na          | M     | M             | X          | M     | X    |
| 1964 | X    | M             | na          | M     | M             | M          | M     | X    |
| 1965 | X    | M             | na          | M     | M             | M          | M     | X    |
| 1966 | X    | M             | na          | M     | M             | M          | M     | X    |
| 1967 | X    | M             | na          | M     | M             | M          | M     | X    |
| 1968 | X    | M             | na          | M     | M             | M          | M     | X    |
| 1969 | X    | M             | na          | M     | M             | M          | M     | X    |
| 1970 | X    | M             | na          | M     | M             | M          | M     | X    |
| 1971 | X    | M             | na          | M     | M             | M          | M     | X    |
| 1972 | X    | M             | na          | M     | M             | M          | M     | X    |
| 1973 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1974 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1975 | X    | M             | M           | M     | X             | M          | M     | X    |
| 1976 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1977 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1978 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1979 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1980 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1981 | X    | M             | M           | M     | X             | M          | M     | X    |
| 1982 | X    | M             | M           | M     | X             | M          | M     | X    |
| 1983 | X    | M             | M           | M     | X             | M          | M     | X    |
| 1984 | X    | M             | M           | M     | X             | M          | M     | X    |
| 1985 | X    | M             | M           | M     | X             | M          | M     | X    |
| 1986 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1987 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1988 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1989 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1990 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1991 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1992 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1993 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1994 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1995 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1996 | X    | M             | M           | M     | M             | X          | X     | X    |
| 1997 | X    | M             | M           | M     | M             | X          | X     | X    |
| 1998 | X    | M             | M           | M     | M             | X          | X     | X    |
| 1999 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2000 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2001 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2002 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2003 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2004 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2005 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2006 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2007 | X    | M             | M           | M     | M             | X          | X     | X    |

a. Exportables (X), import-competing products (M) and nontradables (H).

Source: Anderson and Valenzuela (2008), based on author's spreadsheet

Appendix Table 8: Annual distortion estimates, **Netherlands**, 1956 to 2007

(a) Nominal rates of assistance to covered products

(percent)

|      | Barle<br>y | Beef | Egg | Maiz<br>e | Milk | Oat | Pigm<br>eat | Potat<br>o | Poult<br>ry | Rape<br>seed | Shee<br>pmea<br>t | Suga<br>r | Tom<br>ato | Whe<br>at | All<br>cove<br>red |
|------|------------|------|-----|-----------|------|-----|-------------|------------|-------------|--------------|-------------------|-----------|------------|-----------|--------------------|
| 1956 | -23        | 61   | -32 | na        | 149  | 1   | 43          | na         | 82          | na           | 110               | 103       | 53         | -48       | 46                 |
| 1957 | -12        | 89   | -25 | na        | 221  | 6   | 54          | na         | 72          | na           | 97                | 48        | 41         | -67       | 61                 |
| 1958 | 5          | 82   | -15 | na        | 121  | 11  | 39          | na         | 74          | na           | 38                | 125       | 28         | -68       | 48                 |
| 1959 | -9         | 86   | -24 | na        | 204  | 16  | 52          | na         | 70          | na           | 7                 | 163       | 30         | -82       | 58                 |
| 1960 | 2          | 114  | -25 | na        | 132  | 3   | 35          | na         | 67          | na           | 16                | 164       | 33         | -73       | 45                 |
| 1961 | -9         | 100  | -28 | na        | 244  | 27  | 52          | na         | 38          | na           | 73                | 173       | 36         | -88       | 61                 |
| 1962 | 75         | 127  | 22  | 47        | 421  | 49  | 120         | na         | 80          | 0            | 279               | 185       | 22         | 78        | 135                |
| 1963 | 69         | 103  | 11  | 44        | 339  | 51  | 117         | na         | 73          | 0            | 231               | 13        | 22         | 86        | 114                |
| 1964 | 60         | 86   | 25  | 41        | 277  | 41  | 87          | na         | 57          | 0            | 226               | 63        | 22         | 70        | 105                |
| 1965 | 52         | 62   | 32  | 45        | 320  | 48  | 133         | na         | 61          | 0            | 203               | 330       | 22         | 74        | 123                |
| 1966 | 54         | 51   | 16  | 36        | 296  | 42  | 149         | na         | 59          | 0            | 372               | 410       | 22         | 63        | 118                |
| 1967 | 69         | 53   | 15  | 49        | 310  | 43  | 129         | na         | 51          | 0            | 373               | 319       | 22         | 64        | 117                |
| 1968 | 99         | 73   | 20  | 77        | 337  | 54  | 132         | na         | 51          | 0            | 382               | 232       | 22         | 73        | 128                |
| 1969 | 54         | 73   | 16  | 66        | 307  | 41  | 152         | na         | 48          | 0            | 386               | 183       | 22         | 62        | 121                |
| 1970 | 54         | 71   | -4  | 41        | 308  | 48  | 142         | na         | 43          | 0            | 372               | 100       | 22         | 24        | 110                |
| 1971 | 89         | 69   | 3   | 48        | 317  | 31  | 136         | na         | 162         | 0            | 367               | 47        | 22         | 55        | 125                |
| 1972 | 37         | 89   | -5  | 73        | 300  | 14  | 114         | 54         | 106         | 0            | 385               | 46        | 22         | -2        | 107                |
| 1973 | -7         | 34   | -17 | 19        | 208  | 0   | 106         | 57         | 74          | 0            | 322               | -30       | 22         | -30       | 68                 |
| 1974 | 3          | -4   | 30  | 2         | 210  | 7   | 69          | 18         | 54          | 0            | 255               | -51       | 22         | -23       | 50                 |
| 1975 | 23         | 11   | 16  | 22        | 264  | 23  | 65          | 49         | 60          | 0            | 267               | 28        | 22         | -9        | 75                 |
| 1976 | 20         | 26   | 5   | 39        | 366  | 10  | 122         | 327        | 69          | 0            | 342               | 99        | 22         | -16       | 128                |
| 1977 | 56         | 11   | 41  | 72        | 598  | 35  | 65          | 71         | 61          | 0            | 281               | 230       | 22         | -21       | 101                |
| 1978 | 49         | 11   | 13  | 81        | 488  | 74  | 78          | -15        | 49          | 0            | 263               | 230       | 22         | 23        | 91                 |
| 1979 | 75         | 0    | 41  | 67        | 440  | 80  | 109         | 17         | 38          | 0            | 230               | 70        | 22         | 35        | 93                 |
| 1980 | 17         | -1   | 22  | 62        | 434  | -27 | 71          | 7          | 37          | 0            | 207               | 13        | 22         | 45        | 75                 |
| 1981 | 7          | 23   | 2   | 43        | 330  | -2  | 148         | 73         | 72          | 0            | 183               | 74        | 11         | 44        | 107                |
| 1982 | 8          | 49   | 18  | 66        | 313  | 22  | 125         | 95         | 99          | 0            | 181               | 152       | 31         | 51        | 122                |
| 1983 | 32         | 264  | 40  | 29        | 287  | -1  | 129         | 87         | 73          | 0            | 203               | 196       | 19         | 28        | 145                |
| 1984 | 6          | 265  | 3   | 15        | 311  | 8   | 81          | -24        | 95          | 0            | 172               | 268       | 26         | 20        | 110                |
| 1985 | 18         | 293  | 8   | 28        | 282  | -6  | 22          | 11         | 91          | 0            | 95                | 297       | 26         | 31        | 93                 |
| 1986 | 157        | 188  | 31  | 110       | 361  | 83  | 40          | 17         | 79          | 153          | 134               | 247       | 17         | 119       | 114                |
| 1987 | 233        | 107  | 21  | 170       | 533  | 77  | 11          | 17         | 90          | 145          | 211               | 301       | 15         | 143       | 95                 |
| 1988 | 85         | 80   | 21  | 79        | 192  | 14  | 34          | 17         | 69          | 112          | 215               | 201       | 15         | 94        | 78                 |
| 1989 | 45         | 79   | 29  | 62        | 84   | 15  | 14          | 17         | 66          | 140          | 167               | 90        | 0          | 31        | 46                 |
| 1990 | 94         | 98   | 12  | 108       | 125  | 48  | 7           | 16         | 100         | 200          | 154               | 109       | 2          | 57        | 51                 |
| 1991 | 119        | 157  | 13  | 120       | 128  | 39  | 20          | 16         | 83          | 97           | 128               | 191       | 0          | 146       | 63                 |
| 1992 | 103        | 93   | 15  | 103       | 118  | 63  | 0           | 17         | 118         | 0            | 112               | 212       | 0          | 65        | 52                 |
| 1993 | 105        | 63   | 10  | 69        | 123  | 44  | 18          | 17         | 110         | 0            | 38                | 169       | 8          | 58        | 58                 |
| 1994 | 100        | 53   | 0   | 45        | 117  | 43  | 18          | 16         | 114         | 0            | 55                | 129       | 11         | 48        | 51                 |
| 1995 | 41         | 69   | 12  | 53        | 79   | 40  | 16          | 15         | 129         | 0            | 77                | 119       | 0          | 16        | 44                 |
| 1996 | 2          | 68   | 5   | 14        | 70   | 34  | 16          | 14         | 77          | 0            | 45                | 140       | 2          | 0         | 41                 |
| 1997 | 7          | 117  | 1   | 19        | 78   | 25  | 13          | 12         | 55          | 0            | 27                | 147       | 0          | 0         | 45                 |
| 1998 | 64         | 121  | 11  | 32        | 100  | 50  | 22          | 11         | 51          | 0            | 38                | 186       | 0          | 26        | 55                 |
| 1999 | 44         | 125  | 16  | 39        | 106  | 84  | 57          | 11         | 90          | 0            | 37                | 245       | 0          | 37        | 66                 |
| 2000 | 3          | 113  | 3   | 27        | 57   | 59  | 32          | 10         | 57          | 1            | 26                | 176       | 0          | 11        | 44                 |
| 2001 | 0          | 140  | 0   | 14        | 40   | 29  | 24          | 10         | 52          | 0            | 48                | 138       | 0          | 4         | 34                 |
| 2002 | 0          | 157  | 0   | 9         | 75   | 0   | 24          | 10         | 56          | 0            | 35                | 161       | 0          | 0         | 46                 |
| 2003 | 1          | 157  | 0   | 34        | 70   | 1   | 33          | 10         | 54          | 0            | 46                | 240       | 2          | 2         | 48                 |
| 2004 | 1          | 92   | 0   | 39        | 62   | 23  | 27          | 10         | 101         | 0            | 33                | 238       | 2          | 2         | 43                 |
| 2005 | 0          | 109  | 0   | 19        | 33   | 24  | 19          | 10         | 69          | 0            | 54                | 168       | 0          | 0         | 28                 |
| 2006 | 0          | 81   | 0   | 19        | 25   | 0   | 15          | 10         | 42          | 0            | 74                | 66        | 0          | 0         | 21                 |
| 2007 | 0          | 66   | 0   | 23        | 0    | 0   | 18          | 10         | 100         | 0            | 68                | 99        | 0          | 0         | 16                 |

Appendix Table 8 (continued): Annual distortion estimates, **Netherlands**, 1956 to 2007 (b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup> and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural industries (percent)

|      | NRA, all agric products, <sup>a</sup> by component |                               |                                       |   |   | NRA, agric tradables    |                              |  | NRA, all non-ag tradable goods (9) | RRA <sup>b</sup> (10) |
|------|--|-------------------------------|---------------------------------------|---|---|-------------------------|------------------------------|--|------------------------------------|-----------------------|
|      | NRA, covered products (1)                          | NRA, non-covered products (2) | NRA, non-product-specific support (3) | NRA, all ag products (incl NPS) (4)=1+2+3 | NRA, all ag products (incl NPS and decoupled) (5) | NRA, ag exportables (6) | NRA, ag import-competing (7) | NRA, all agric tradable goods <sup>c</sup> (8)=6+7 |                                    |                       |
| 1956 | 46   | 14                            | na                                    | 38  | 38  | 27                      | 39                           | 38   | 3                                  | 34                    |
| 1957 | 61   | 16                            | na                                    | 48  | 48  | 37                      | 50                           | 48   | 3                                  | 44                    |
| 1958 | 48   | 16                            | na                                    | 39  | 39  | 29                      | 41                           | 39   | 3                                  | 35                    |
| 1959 | 58   | 19                            | na                                    | 47  | 47  | 32                      | 51                           | 47   | 3                                  | 43                    |
| 1960 | 45   | 11                            | na                                    | 36  | 36  | 25                      | 38                           | 36   | 3                                  | 33                    |
| 1961 | 61   | 20                            | na                                    | 50  | 50  | 32                      | 54                           | 50   | 3                                  | 46                    |
| 1962 | 135  | 64                            | na                                    | 114                                       | 114   | 63                      | 126                          | 114  | 3                                  | 108                   |
| 1963 | 114  | 53                            | na                                    | 97  | 97  | 54                      | 106                          | 97   | 3                                  | 92                    |
| 1964 | 105  | 50                            | na                                    | 90  | 90  | 62                      | 94                           | 90   | 3                                  | 84                    |
| 1965 | 123  | 60                            | na                                    | 106                                       | 106   | 74                      | 111                          | 106  | 3                                  | 100                   |
| 1966 | 118  | 58                            | na                                    | 101                                       | 101   | 68                      | 107                          | 101  | 3                                  | 95                    |
| 1967 | 117  | 55                            | na                                    | 100                                       | 100   | 63                      | 106                          | 100  | 4                                  | 93                    |
| 1968 | 128  | 58                            | na                                    | 108                                       | 108   | 65                      | 115                          | 108  | 3                                  | 102                   |
| 1969 | 121  | 60                            | na                                    | 104                                       | 104   | 67                      | 110                          | 104  | 3                                  | 98                    |
| 1970 | 110  | 56                            | na                                    | 95  | 95  | 63                      | 100                          | 95   | 3                                  | 90                    |
| 1971 | 125  | 56                            | na                                    | 106                                       | 106   | 69                      | 113                          | 106  | 3                                  | 101                   |
| 1972 | 107  | 53                            | na                                    | 94  | 94  | 61                      | 99                           | 94   | 3                                  | 89                    |
| 1973 | 68   | 34                            | na                                    | 60  | 60  | 37                      | 63                           | 60   | 3                                  | 56                    |
| 1974 | 50   | 28                            | na                                    | 45  | 45  | 43                      | 45                           | 45   | 2                                  | 42                    |
| 1975 | 75   | 41                            | na                                    | 67  | 67  | 60                      | 68                           | 67   | 2                                  | 63                    |
| 1976 | 128  | 67                            | na                                    | 113                                       | 113   | 99                      | 115                          | 113  | 2                                  | 109                   |
| 1977 | 101  | 56                            | na                                    | 90  | 90  | 87                      | 91                           | 90   | 2                                  | 87                    |
| 1978 | 91   | 48                            | na                                    | 80  | 80  | 67                      | 82                           | 80   | 2                                  | 77                    |
| 1979 | 93   | 49                            | 12                                    | 94  | 95  | 73                      | 83                           | 94   | 1                                  | 92                    |
| 1980 | 75   | 41                            | 12                                    | 79  | 80  | 64                      | 67                           | 79   | 1                                  | 77                    |
| 1981 | 107  | 53                            | 10                                    | 103                                       | 105   | 67                      | 97                           | 103  | 1                                  | 101                   |
| 1982 | 122  | 60                            | 9                                     | 115                                       | 117   | 74                      | 111                          | 115  | 1                                  | 113                   |
| 1983 | 145  | 72                            | 9                                     | 135                                       | 137   | 72                      | 134                          | 135  | 1                                  | 132                   |
| 1984 | 110  | 56                            | 8                                     | 105                                       | 107   | 50                      | 103                          | 105  | 1                                  | 103                   |
| 1985 | 93   | 46                            | 10                                    | 92  | 95  | 56                      | 85                           | 92   | 1                                  | 90                    |
| 1986 | 114  | 60                            | 3                                     | 104                                       | 106   | 77                      | 103                          | 104  | 1                                  | 101                   |
| 1987 | 95   | 53                            | 3                                     | 88  | 90  | 80                      | 85                           | 88   | 1                                  | 85                    |
| 1988 | 78   | 41                            | 3                                     | 72  | 75  | 53                      | 71                           | 72   | 1                                  | 70                    |
| 1989 | 46   | 23                            | 3                                     | 43  | 46  | 22                      | 44                           | 43   | 1                                  | 42                    |
| 1990 | 51   | 26                            | 4                                     | 49  | 53  | 27                      | 49                           | 49   | 1                                  | 48                    |
| 1991 | 63   | 31                            | 5                                     | 61  | 65  | 27                      | 61                           | 61   | 1                                  | 59                    |
| 1992 | 52   | 28                            | 5                                     | 51  | 58  | 31                      | 49                           | 51   | 1                                  | 49                    |
| 1993 | 58   | 30                            | 5                                     | 56  | 69  | 33                      | 55                           | 56   | 1                                  | 55                    |
| 1994 | 51   | 26                            | 4                                     | 49  | 64  | 30                      | 48                           | 49   | 1                                  | 48                    |
| 1995 | 44   | 22                            | 5                                     | 44  | 60  | 21                      | 42                           | 44   | 1                                  | 42                    |
| 1996 | 41   | 20                            | 4                                     | 40  | 56  | 17                      | 40                           | 40   | 1                                  | 38                    |
| 1997 | 45   | 22                            | 4                                     | 44  | 60  | 18                      | 44                           | 44   | 1                                  | 42                    |
| 1998 | 55   | 27                            | 4                                     | 52  | 69  | 24                      | 54                           | 52   | 1                                  | 51                    |
| 1999 | 66   | 34                            | 4                                     | 62  | 79  | 25                      | 65                           | 62   | 1                                  | 60                    |
| 2000 | 44   | 23                            | 3                                     | 43  | 60  | 12                      | 48                           | 43   | 1                                  | 41                    |
| 2001 | 34   | 18                            | 4                                     | 34  | 51  | 8                       | 37                           | 34   | 1                                  | 33                    |
| 2002 | 46   | 23                            | 5                                     | 45  | 62  | 11                      | 50                           | 45   | 1                                  | 43                    |
| 2003 | 48   | 25                            | 5                                     | 47  | 67  | 11                      | 54                           | 47   | 1                                  | 46                    |
| 2004 | 43   | 21                            | 4                                     | 42  | 60  | 10                      | 47                           | 42   | 1                                  | 40                    |
| 2005 | 28   | 14                            | 4                                     | 25  | 44  | 0                       | 32                           | 25   | 1                                  | 24                    |
| 2006 | 21   | 11                            | 4                                     | 20  | 41  | 0                       | 23                           | 20   | 1                                  | 19                    |
| 2007 | 16   | 8                             | 4                                     | 17  | 35  | 0                       | 19                           | 17   | 1                                  | 15                    |

- a. NRAs including assistance to nontradables and via inputs and other forms of non-product-specific (NPS) assistance without and (in column (5)) with decoupled support.
- b. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors (columns 8 and 9), respectively, so it excludes decoupled payments but includes all NPS support.
- c. Including NPS but excluding decoupled payments, so more than the weighted average of columns (6) and (7).



Appendix Table 8 (continued): Annual distortion estimates, **Netherlands**, 1956 to 2007(c) Value shares of primary production of covered<sup>a</sup> and non-covered products,  
(percent)

|      | Barl<br>ey | Beef | Egg | Maiz<br>e | Milk | Oat | Pigm<br>eat | Potat<br>o | Poult<br>ry | Rape<br>seed | Shee<br>pme<br>at | Suga<br>r | Tom<br>ato | Whe<br>at | Non-<br>cove<br>red |
|------|------------|------|-----|-----------|------|-----|-------------|------------|-------------|--------------|-------------------|-----------|------------|-----------|---------------------|
| 1956 | 2          | 9    | 17  | na        | 16   | 4   | 17          | na         | 1           | na           | 0                 | 2         | 1          | 3         | 27                  |
| 1957 | 2          | 8    | 17  | na        | 14   | 4   | 16          | na         | 2           | na           | 0                 | 3         | 2          | 3         | 28                  |
| 1958 | 2          | 9    | 16  | na        | 17   | 3   | 16          | na         | 2           | na           | 0                 | 2         | 3          | 3         | 27                  |
| 1959 | 2          | 8    | 20  | na        | 14   | 2   | 15          | na         | 2           | na           | 0                 | 2         | 3          | 4         | 27                  |
| 1960 | 2          | 7    | 18  | na        | 16   | 2   | 16          | na         | 3           | na           | 0                 | 2         | 3          | 4         | 27                  |
| 1961 | 2          | 8    | 19  | na        | 12   | 2   | 17          | na         | 3           | na           | 0                 | 2         | 4          | 3         | 27                  |
| 1962 | 2          | 10   | 16  | 0         | 12   | 4   | 14          | na         | 5           | 0            | 1                 | 2         | 4          | 3         | 29                  |
| 1963 | 2          | 11   | 16  | 0         | 12   | 3   | 14          | na         | 5           | 0            | 0                 | 3         | 3          | 3         | 27                  |
| 1964 | 2          | 11   | 11  | 0         | 14   | 2   | 15          | na         | 6           | 0            | 0                 | 3         | 5          | 3         | 27                  |
| 1965 | 2          | 14   | 11  | 0         | 13   | 2   | 15          | na         | 6           | 0            | 1                 | 1         | 4          | 3         | 27                  |
| 1966 | 2          | 14   | 10  | 0         | 14   | 2   | 14          | na         | 7           | 0            | 0                 | 1         | 4          | 3         | 28                  |
| 1967 | 2          | 14   | 8   | 0         | 13   | 2   | 15          | na         | 8           | 0            | 0                 | 2         | 5          | 3         | 28                  |
| 1968 | 1          | 14   | 9   | 0         | 13   | 1   | 16          | na         | 8           | 0            | 0                 | 2         | 4          | 3         | 28                  |
| 1969 | 2          | 14   | 9   | 0         | 13   | 1   | 15          | na         | 8           | 0            | 0                 | 2         | 4          | 3         | 28                  |
| 1970 | 1          | 14   | 9   | 0         | 12   | 1   | 16          | na         | 9           | 0            | 0                 | 3         | 4          | 3         | 28                  |
| 1971 | 1          | 15   | 9   | 0         | 13   | 1   | 17          | na         | 5           | 0            | 0                 | 4         | 4          | 3         | 28                  |
| 1972 | 1          | 11   | 8   | 0         | 13   | 0   | 15          | 9          | 6           | 0            | 0                 | 4         | 4          | 3         | 25                  |
| 1973 | 1          | 12   | 8   | 0         | 12   | 0   | 15          | 9          | 5           | 0            | 0                 | 6         | 4          | 4         | 24                  |
| 1974 | 1          | 16   | 4   | 0         | 12   | 1   | 15          | 8          | 5           | 0            | 0                 | 7         | 4          | 3         | 23                  |
| 1975 | 1          | 17   | 5   | 0         | 12   | 0   | 18          | 8          | 5           | 0            | 1                 | 4         | 4          | 2         | 24                  |
| 1976 | 1          | 16   | 7   | 0         | 11   | 0   | 16          | 7          | 5           | 0            | 0                 | 3         | 5          | 4         | 25                  |
| 1977 | 1          | 17   | 6   | 0         | 7    | 0   | 20          | 9          | 5           | 0            | 1                 | 2         | 4          | 3         | 24                  |
| 1978 | 1          | 16   | 7   | 0         | 9    | 0   | 18          | 10         | 5           | 0            | 1                 | 2         | 4          | 2         | 24                  |
| 1979 | 1          | 19   | 6   | 0         | 9    | 0   | 15          | 10         | 5           | 0            | 1                 | 3         | 4          | 2         | 24                  |
| 1980 | 1          | 17   | 8   | 0         | 9    | 0   | 16          | 9          | 5           | 0            | 1                 | 5         | 4          | 2         | 24                  |
| 1981 | 1          | 15   | 10  | 0         | 13   | 0   | 14          | 8          | 5           | 0            | 1                 | 3         | 4          | 2         | 25                  |
| 1982 | 1          | 13   | 10  | 0         | 15   | 0   | 14          | 8          | 5           | 0            | 0                 | 2         | 4          | 2         | 26                  |
| 1983 | 0          | 6    | 10  | 0         | 17   | 0   | 16          | 9          | 6           | 0            | 0                 | 2         | 4          | 3         | 26                  |
| 1984 | 1          | 6    | 11  | 0         | 14   | 0   | 18          | 12         | 4           | 0            | 0                 | 2         | 4          | 3         | 25                  |
| 1985 | 0          | 5    | 9   | 0         | 13   | 0   | 25          | 10         | 4           | 0            | 0                 | 1         | 4          | 2         | 25                  |
| 1986 | 0          | 8    | 7   | 0         | 12   | 0   | 23          | 10         | 5           | 0            | 0                 | 2         | 5          | 1         | 25                  |
| 1987 | 0          | 11   | 8   | 0         | 8    | 0   | 26          | 11         | 4           | 0            | 0                 | 1         | 4          | 1         | 25                  |
| 1988 | 0          | 11   | 6   | 0         | 16   | 0   | 21          | 9          | 5           | 0            | 0                 | 2         | 4          | 1         | 25                  |
| 1989 | 0          | 8    | 5   | 0         | 20   | 0   | 23          | 8          | 3           | 0            | 0                 | 2         | 4          | 2         | 23                  |
| 1990 | 0          | 8    | 6   | 0         | 16   | 0   | 25          | 9          | 3           | 0            | 0                 | 2         | 5          | 1         | 23                  |
| 1991 | 0          | 7    | 6   | 0         | 17   | 0   | 22          | 11         | 4           | 0            | 0                 | 2         | 5          | 1         | 25                  |
| 1992 | 0          | 9    | 5   | 0         | 18   | 0   | 27          | 7          | 3           | 0            | 0                 | 1         | 4          | 1         | 24                  |
| 1993 | 0          | 12   | 6   | 0         | 18   | 0   | 22          | 6          | 4           | 0            | 1                 | 2         | 4          | 1         | 24                  |
| 1994 | 0          | 11   | 6   | 0         | 17   | 0   | 20          | 11         | 4           | 0            | 0                 | 2         | 4          | 1         | 24                  |
| 1995 | 0          | 10   | 4   | 0         | 20   | 0   | 19          | 14         | 3           | 0            | 0                 | 2         | 3          | 1         | 23                  |
| 1996 | 0          | 9    | 6   | 0         | 20   | 0   | 22          | 7          | 5           | 0            | 0                 | 1         | 3          | 2         | 23                  |
| 1997 | 0          | 7    | 6   | 0         | 21   | 0   | 21          | 7          | 6           | 0            | 1                 | 2         | 3          | 2         | 24                  |
| 1998 | 0          | 8    | 6   | 0         | 21   | 0   | 19          | 9          | 6           | 0            | 0                 | 1         | 4          | 1         | 25                  |
| 1999 | 0          | 7    | 5   | 0         | 20   | 0   | 14          | 16         | 5           | 0            | 1                 | 1         | 4          | 1         | 26                  |
| 2000 | 0          | 6    | 7   | 0         | 24   | 0   | 18          | 8          | 5           | 0            | 1                 | 1         | 4          | 1         | 24                  |
| 2001 | 0          | 4    | 6   | 0         | 26   | 0   | 19          | 8          | 6           | 0            | 1                 | 1         | 4          | 1         | 23                  |
| 2002 | 0          | 4    | 7   | 0         | 23   | 0   | 17          | 9          | 6           | 0            | 1                 | 1         | 5          | 1         | 24                  |
| 2003 | 0          | 4    | 7   | 0         | 25   | 0   | 15          | 9          | 5           | 0            | 1                 | 1         | 5          | 2         | 25                  |
| 2004 | 0          | 5    | 6   | 0         | 25   | 0   | 15          | 13         | 4           | 0            | 1                 | 1         | 4          | 2         | 24                  |
| 2005 | 1          | 6    | 9   | 0         | 5    | 0   | 23          | 12         | 7           | 0            | 1                 | 1         | 8          | 2         | 24                  |
| 2006 | 0          | 4    | 6   | 0         | 22   | 0   | 16          | 13         | 5           | 0            | 1                 | 1         | 6          | 2         | 24                  |
| 2007 | 1          | 4    | 6   | 0         | 21   | 0   | 15          | 15         | 5           | 0            | 0                 | 1         | 6          | 3         | 24                  |

a. At farmgate undistorted prices

Appendix Table 8 (cont.): Annual distortion estimates, **Netherlands**, 1956 to 2007  
 (d) Trade status of covered products<sup>a</sup>

|      | Barl<br>ey | Beef | Egg | Maiz<br>e | Milk | Oat | Pigm<br>eat | Potat<br>o | Poult<br>ry | Rape<br>seed | Shee<br>pme<br>at | Suga<br>r | Tom<br>ato | Whe<br>at |
|------|------------|------|-----|-----------|------|-----|-------------|------------|-------------|--------------|-------------------|-----------|------------|-----------|
| 1956 | M          | M    | M   | 0         | M    | M   | M           | na         | M           | na           | M                 | M         | X          | M         |
| 1957 | M          | M    | M   | 0         | M    | M   | M           | na         | M           | na           | M                 | M         | X          | M         |
| 1958 | M          | M    | M   | 0         | M    | M   | M           | na         | M           | na           | M                 | M         | X          | M         |
| 1959 | M          | M    | M   | 0         | M    | M   | M           | na         | M           | na           | M                 | M         | X          | M         |
| 1960 | M          | M    | M   | 0         | M    | M   | M           | na         | M           | na           | M                 | M         | X          | M         |
| 1961 | M          | M    | M   | 0         | M    | M   | M           | na         | M           | na           | M                 | M         | X          | M         |
| 1962 | M          | M    | M   | M         | M    | M   | M           | na         | M           | X            | M                 | M         | X          | M         |
| 1963 | M          | M    | M   | M         | M    | M   | M           | na         | M           | M            | M                 | M         | X          | M         |
| 1964 | M          | M    | M   | M         | M    | M   | M           | na         | M           | X            | M                 | M         | M          | M         |
| 1965 | M          | M    | M   | M         | M    | M   | M           | na         | M           | M            | M                 | M         | M          | M         |
| 1966 | M          | M    | M   | M         | M    | M   | M           | na         | M           | M            | M                 | M         | M          | M         |
| 1967 | M          | M    | M   | M         | M    | M   | M           | na         | M           | M            | M                 | M         | M          | M         |
| 1968 | M          | M    | M   | M         | M    | M   | M           | na         | M           | M            | M                 | M         | M          | M         |
| 1969 | M          | M    | M   | M         | M    | M   | M           | na         | M           | M            | M                 | M         | M          | M         |
| 1970 | M          | M    | M   | M         | M    | M   | M           | na         | M           | M            | M                 | M         | M          | M         |
| 1971 | X          | M    | M   | M         | M    | M   | M           | na         | M           | M            | M                 | M         | M          | M         |
| 1972 | X          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | M          | M         |
| 1973 | X          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | M          | M         |
| 1974 | X          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | M          | M         |
| 1975 | X          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | M          | M         |
| 1976 | M          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | M          | M         |
| 1977 | X          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | M          | M         |
| 1978 | X          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | M          | M         |
| 1979 | X          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | M          | M         |
| 1980 | X          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | M          | M         |
| 1981 | X          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | M          | M         |
| 1982 | X          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | M          | M         |
| 1983 | X          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | M          | M         |
| 1984 | X          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | M          | M         |
| 1985 | X          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | M          | M         |
| 1986 | M          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | M          | M         |
| 1987 | M          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | M          | M         |
| 1988 | M          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | M          | M         |
| 1989 | M          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | X          | M         |
| 1990 | M          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | X          | M         |
| 1991 | M          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | X          | M         |
| 1992 | M          | M    | M   | M         | M    | M   | M           | M          | M           | X            | M                 | M         | X          | M         |
| 1993 | M          | M    | M   | M         | M    | M   | M           | M          | M           | X            | M                 | M         | X          | M         |
| 1994 | M          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | X          | M         |
| 1995 | M          | M    | M   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | X          | M         |
| 1996 | X          | M    | M   | M         | M    | M   | M           | M          | M           | X            | M                 | M         | X          | X         |
| 1997 | X          | M    | M   | M         | M    | M   | M           | M          | M           | X            | M                 | M         | X          | X         |
| 1998 | M          | M    | M   | M         | M    | M   | M           | M          | M           | X            | M                 | M         | X          | X         |
| 1999 | M          | M    | M   | M         | M    | M   | M           | M          | M           | X            | M                 | M         | X          | X         |
| 2000 | X          | M    | X   | M         | M    | M   | M           | M          | M           | X            | M                 | M         | X          | X         |
| 2001 | X          | M    | X   | M         | M    | M   | M           | M          | M           | M            | M                 | M         | X          | X         |
| 2002 | X          | M    | X   | M         | M    | M   | M           | M          | M           | X            | M                 | M         | X          | X         |
| 2003 | X          | M    | X   | M         | M    | M   | M           | M          | M           | X            | M                 | M         | X          | X         |
| 2004 | X          | M    | X   | M         | M    | M   | M           | M          | M           | X            | M                 | M         | X          | X         |
| 2005 | X          | M    | M   | M         | M    | M   | M           | M          | na          | X            | M                 | M         | X          | X         |
| 2006 | X          | M    | M   | M         | M    | M   | M           | M          | na          | X            | M                 | M         | X          | X         |
| 2007 | X          | M    | M   | M         | M    | M   | M           | M          | M           | X            | M                 | M         | X          | X         |

a. Exportables (X), import-competing products (M) and nontradables (H).

Source: Anderson and Valenzuela (2008), based on author's spreadsheet

Appendix Table 9: Annual distortion estimates, **Norway**, 1956 to 2007

(a) Nominal rates of assistance to covered products

(percent)

|      | Barle<br>y | Beef | Egg | Milk | Oat | Pigm<br>eat | Potat<br>o | Poult<br>ry | Shee<br>pmea<br>t | Whea<br>t | Wool | All<br>cover<br>ed |
|------|------------|------|-----|------|-----|-------------|------------|-------------|-------------------|-----------|------|--------------------|
| 1956 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 249                |
| 1957 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 259                |
| 1958 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 258                |
| 1959 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 256                |
| 1960 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 257                |
| 1961 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 258                |
| 1962 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 264                |
| 1963 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 260                |
| 1964 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 270                |
| 1965 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 262                |
| 1966 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 261                |
| 1967 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 269                |
| 1968 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 270                |
| 1969 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 269                |
| 1970 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 271                |
| 1971 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 275                |
| 1972 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 275                |
| 1973 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 275                |
| 1974 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 274                |
| 1975 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 280                |
| 1976 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 278                |
| 1977 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 278                |
| 1978 | 426        | 385  | 355 | 284  | 244 | 252         | 169        | 431         | 119               | 169       | na   | 279                |
| 1979 | 416        | 385  | 355 | 441  | 374 | 252         | 169        | 431         | 119               | 236       | 281  | 324                |
| 1980 | 242        | 385  | 355 | 377  | 194 | 252         | 169        | 431         | 119               | 181       | na   | 287                |
| 1981 | 284        | 385  | 355 | 315  | 133 | 252         | 169        | 431         | 119               | 311       | na   | 283                |
| 1982 | 454        | 385  | 355 | 235  | 234 | 252         | 169        | 431         | 119               | 344       | na   | 291                |
| 1983 | 358        | 385  | 355 | 251  | 264 | 252         | 169        | 431         | 119               | 210       | na   | 292                |
| 1984 | 269        | 385  | 355 | 300  | 170 | 252         | 169        | 431         | 119               | 155       | na   | 276                |
| 1985 | 391        | 385  | 355 | 433  | 226 | 252         | 169        | 431         | 119               | 196       | na   | 314                |
| 1986 | 507        | 506  | 387 | 593  | 287 | 252         | na         | 431         | 206               | 198       | 147  | 405                |
| 1987 | 666        | 347  | 239 | 620  | 241 | 207         | na         | 529         | 318               | 317       | 91   | 372                |
| 1988 | 352        | 272  | 356 | 271  | 142 | 289         | na         | 431         | 355               | 310       | 64   | 272                |
| 1989 | 245        | 262  | 357 | 227  | 146 | 179         | na         | 417         | 281               | 210       | 101  | 226                |
| 1990 | 360        | 319  | 247 | 486  | 234 | 179         | na         | 390         | 287               | 309       | 221  | 329                |
| 1991 | 329        | 482  | 240 | 391  | 161 | 210         | na         | 362         | 259               | 420       | 330  | 329                |
| 1992 | 295        | 300  | 303 | 304  | 156 | 127         | na         | 512         | 213               | 237       | 357  | 254                |
| 1993 | 287        | 213  | 209 | 350  | 112 | 200         | na         | 372         | 100               | 214       | 352  | 247                |
| 1994 | 286        | 181  | 175 | 307  | 143 | 166         | na         | 301         | 97                | 235       | 207  | 224                |
| 1995 | 155        | 167  | 234 | 175  | 143 | 125         | na         | 277         | 127               | 120       | 205  | 161                |
| 1996 | 79         | 205  | 97  | 219  | 104 | 98          | na         | 197         | 70                | 77        | 207  | 153                |
| 1997 | 112        | 315  | 120 | 246  | 116 | 97          | na         | 167         | 47                | 131       | 181  | 179                |
| 1998 | 231        | 294  | 173 | 297  | 171 | 200         | na         | 201         | 82                | 134       | 227  | 239                |
| 1999 | 189        | 286  | 254 | 279  | 238 | 297         | na         | 244         | 91                | 220       | 236  | 252                |
| 2000 | 93         | 242  | 94  | 179  | 161 | 148         | na         | 253         | 73                | 136       | 168  | 163                |
| 2001 | 92         | 386  | 94  | 151  | 110 | 102         | na         | 174         | 83                | 121       | 163  | 151                |
| 2002 | 140        | 420  | 116 | 323  | 74  | 187         | na         | 439         | 70                | 165       | 216  | 237                |
| 2003 | 111        | 382  | 56  | 161  | 102 | 205         | na         | 395         | 69                | 140       | 192  | 170                |
| 2004 | 89         | 234  | 99  | 123  | 117 | 140         | na         | 446         | 39                | 98        | 187  | 129                |
| 2005 | 112        | 193  | 141 | 110  | 144 | 106         | na         | 310         | 42                | 148       | 216  | 127                |
| 2006 | 104        | 205  | 139 | 105  | 74  | 123         | na         | 442         | 68                | 111       | 227  | 130                |
| 2007 | 12         | 206  | 114 | 16   | 31  | 153         | na         | 247         | 93                | 29        | 261  | 65                 |

Appendix Table 9 (continued): Annual distortion estimates, **Norway**, 1956 to 2007

(b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup> and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural industries (percent)

|      | NRA, all agric products, <sup>a</sup> by component |                               |                                       |   |   | NRA, agric tradables    |                              |  | NRA, all non-ag tradable goods (9) | RRA <sup>b</sup> (10) |
|------|--|-------------------------------|---------------------------------------|---|---|-------------------------|------------------------------|--|------------------------------------|-----------------------|
|      | NRA, covered products (1)                          | NRA, non-covered products (2) | NRA, non-product-specific support (3) | NRA, all ag products (incl NPS) (4)=1+2+3 | NRA, all ag products (incl NPS and decoupled) (5) | NRA, ag exportables (6) | NRA, ag import-competing (7) | NRA, all agric tradable goods <sup>c</sup> (8)=6+7 |                                    |                       |
|      |  |                               |                                       |   |   |                         |                              |  |                                    |                       |
| 1956 | 249  | 63                            | na                                    | 184                                       | 184   | 0                       | 223                          | 184  | 2                                  | 179                   |
| 1957 | 259  | 65                            | na                                    | 191                                       | 191   | 0                       | 231                          | 191  | 2                                  | 184                   |
| 1958 | 258  | 65                            | na                                    | 190                                       | 190   | 0                       | 231                          | 190  | 2                                  | 184                   |
| 1959 | 256  | 64                            | na                                    | 189                                       | 189   | 0                       | 229                          | 189  | 2                                  | 183                   |
| 1960 | 257  | 65                            | na                                    | 189                                       | 189   | 0                       | 230                          | 189  | 2                                  | 183                   |
| 1961 | 258  | 65                            | na                                    | 190                                       | 190   | 0                       | 231                          | 190  | 2                                  | 184                   |
| 1962 | 264  | 66                            | na                                    | 194                                       | 194   | 0                       | 236                          | 194  | 2                                  | 188                   |
| 1963 | 260  | 65                            | na                                    | 191                                       | 191   | 0                       | 232                          | 191  | 2                                  | 186                   |
| 1964 | 270  | 68                            | na                                    | 198                                       | 198   | 0                       | 241                          | 198  | 2                                  | 193                   |
| 1965 | 262  | 66                            | na                                    | 193                                       | 193   | 0                       | 234                          | 193  | 2                                  | 188                   |
| 1966 | 261  | 66                            | na                                    | 192                                       | 192   | 0                       | 234                          | 192  | 2                                  | 188                   |
| 1967 | 269  | 68                            | na                                    | 197                                       | 197   | 0                       | 240                          | 197  | 1                                  | 194                   |
| 1968 | 270  | 68                            | na                                    | 198                                       | 198   | 0                       | 241                          | 198  | 1                                  | 195                   |
| 1969 | 269  | 68                            | na                                    | 197                                       | 197   | 0                       | 240                          | 197  | 1                                  | 195                   |
| 1970 | 271  | 68                            | na                                    | 199                                       | 199   | 0                       | 242                          | 199  | 1                                  | 197                   |
| 1971 | 275  | 69                            | na                                    | 201                                       | 201   | 0                       | 245                          | 201  | 1                                  | 200                   |
| 1972 | 275  | 70                            | na                                    | 202                                       | 202   | 0                       | 246                          | 202  | 1                                  | 200                   |
| 1973 | 275  | 70                            | na                                    | 202                                       | 202   | 0                       | 246                          | 202  | 0                                  | 200                   |
| 1974 | 274  | 69                            | na                                    | 201                                       | 201   | 0                       | 244                          | 201  | 0                                  | 200                   |
| 1975 | 280  | 71                            | na                                    | 205                                       | 205   | 0                       | 250                          | 205  | 0                                  | 204                   |
| 1976 | 278  | 70                            | na                                    | 203                                       | 203   | 0                       | 248                          | 203  | 0                                  | 203                   |
| 1977 | 278  | 70                            | na                                    | 203                                       | 203   | 0                       | 248                          | 203  | 0                                  | 202                   |
| 1978 | 279  | 71                            | na                                    | 205                                       | 205   | 0                       | 249                          | 205  | 0                                  | 204                   |
| 1979 | 324  | 71                            | 25                                    | 276                                       | 444   | 186                     | 276                          | 276  | 0                                  | 276                   |
| 1980 | 287  | 68                            | 21                                    | 247                                       | 394   | 131                     | 257                          | 247  | 0                                  | 246                   |
| 1981 | 283  | 70                            | 20                                    | 241                                       | 389   | 173                     | 266                          | 241  | 0                                  | 240                   |
| 1982 | 291  | 70                            | 15                                    | 241                                       | 389   | 231                     | 216                          | 241  | 0                                  | 240                   |
| 1983 | 292  | 70                            | 15                                    | 243                                       | 394   | 235                     | 212                          | 243  | 0                                  | 241                   |
| 1984 | 276  | 69                            | 13                                    | 229                                       | 375   | 214                     | 218                          | 229  | 0                                  | 228                   |
| 1985 | 314  | 70                            | 12                                    | 248                                       | 420   | 223                     | 249                          | 248  | 0                                  | 246                   |
| 1986 | 405  | 73                            | 43                                    | 319                                       | 344   | 12                      | 347                          | 319  | 0                                  | 317                   |
| 1987 | 372  | 70                            | 44                                    | 301                                       | 326   | 8                       | 323                          | 301  | 0                                  | 300                   |
| 1988 | 272  | 49                            | 39                                    | 230                                       | 254   | 6                       | 237                          | 230  | 0                                  | 229                   |
| 1989 | 226  | 39                            | 34                                    | 195                                       | 216   | 8                       | 197                          | 195  | 0                                  | 194                   |
| 1990 | 329  | 63                            | 39                                    | 264                                       | 288   | 10                      | 280                          | 264  | 0                                  | 263                   |
| 1991 | 329  | 60                            | 44                                    | 267                                       | 297   | 0                       | 277                          | 267  | 0                                  | 266                   |
| 1992 | 254  | 46                            | 44                                    | 222                                       | 255   | 0                       | 218                          | 222  | 0                                  | 220                   |
| 1993 | 247  | 45                            | 43                                    | 217                                       | 252   | 0                       | 212                          | 217  | 0                                  | 216                   |
| 1994 | 224  | 41                            | 44                                    | 204                                       | 240   | 0                       | 194                          | 204  | 0                                  | 203                   |
| 1995 | 161  | 28                            | 40                                    | 159                                       | 187   | 0                       | 141                          | 159  | 0                                  | 157                   |
| 1996 | 153  | 26                            | 44                                    | 155                                       | 182   | 0                       | 133                          | 155  | 0                                  | 154                   |
| 1997 | 179  | 33                            | 53                                    | 181                                       | 212   | 0                       | 155                          | 181  | 0                                  | 180                   |
| 1998 | 239  | 47                            | 59                                    | 227                                       | 261   | 0                       | 206                          | 227  | 0                                  | 226                   |
| 1999 | 252  | 51                            | 58                                    | 232                                       | 274   | 0                       | 216                          | 232  | 0                                  | 231                   |
| 2000 | 163  | 31                            | 49                                    | 168                                       | 209   | 3                       | 143                          | 168  | 0                                  | 167                   |
| 2001 | 151  | 29                            | 47                                    | 156                                       | 197   | 0                       | 132                          | 156  | 0                                  | 155                   |
| 2002 | 237  | 46                            | 58                                    | 223                                       | 278   | 4                       | 203                          | 223  | 0                                  | 221                   |
| 2003 | 170  | 38                            | 34                                    | 156                                       | 235   | 3                       | 149                          | 156  | 0                                  | 154                   |
| 2004 | 129  | 31                            | 29                                    | 124                                       | 191   | 3                       | 115                          | 124  | 0                                  | 123                   |
| 2005 | 127  | 28                            | 11                                    | 116                                       | 201   | 149                     | 126                          | 116  | 0                                  | 115                   |
| 2006 | 130  | 28                            | 11                                    | 117                                       | 199   | 146                     | 129                          | 117  | 0                                  | 116                   |
| 2007 | 65   | 14                            | 8                                     | 60  | 119   | 122                     | 63                           | 60   | 0                                  | 60                    |

- a. NRAs including assistance to nontradables and via inputs and other forms of non-product-specific (NPS) assistance without and (in column (5)) with decoupled support.
- b. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors (columns 8 and 9), respectively, so it excludes decoupled payments but includes all NPS support.
- c. Including NPS but excluding decoupled payments, so more than the weighted average of columns (6) and (7).

Appendix Table 9 (continued): Annual distortion estimates, **Norway**, 1956 to 2007(c) Value shares of primary production of covered<sup>a</sup> and non-covered products,

(percent)

|      | Barle<br>y | Beef | Egg | Milk | Oat | Pigme<br>at | Potato | Poultr<br>y | Sheep<br>meat | Whea<br>t | Wool | Non-<br>cover<br>ed |
|------|------------|------|-----|------|-----|-------------|--------|-------------|---------------|-----------|------|---------------------|
| 1956 | 3          | 6    | 3   | 19   | 3   | 5           | 22     | 0           | 4             | 1         | na   | 35                  |
| 1957 | 4          | 6    | 3   | 21   | 2   | 6           | 18     | 0           | 4             | 1         | na   | 35                  |
| 1958 | 4          | 6    | 3   | 21   | 2   | 6           | 18     | 0           | 4             | 1         | na   | 35                  |
| 1959 | 4          | 6    | 3   | 21   | 2   | 6           | 20     | 0           | 4             | 0         | na   | 35                  |
| 1960 | 4          | 6    | 3   | 21   | 2   | 6           | 19     | 0           | 4             | 0         | na   | 35                  |
| 1961 | 5          | 6    | 3   | 19   | 3   | 6           | 19     | 0           | 4             | 0         | na   | 35                  |
| 1962 | 4          | 7    | 3   | 21   | 2   | 7           | 16     | 0           | 4             | 0         | na   | 35                  |
| 1963 | 5          | 6    | 3   | 20   | 2   | 6           | 19     | 0           | 4             | 0         | na   | 35                  |
| 1964 | 6          | 7    | 3   | 22   | 2   | 6           | 14     | 0           | 4             | 0         | na   | 35                  |
| 1965 | 5          | 6    | 3   | 20   | 2   | 6           | 18     | 0           | 4             | 0         | na   | 35                  |
| 1966 | 4          | 7    | 3   | 21   | 1   | 6           | 18     | 0           | 4             | 0         | na   | 35                  |
| 1967 | 6          | 6    | 3   | 22   | 2   | 7           | 14     | 0           | 5             | 0         | na   | 36                  |
| 1968 | 7          | 6    | 3   | 21   | 3   | 7           | 14     | 0           | 4             | 0         | na   | 36                  |
| 1969 | 5          | 7    | 3   | 21   | 2   | 7           | 14     | 0           | 4             | 0         | na   | 35                  |
| 1970 | 6          | 6    | 3   | 20   | 3   | 7           | 13     | 0           | 4             | 0         | na   | 36                  |
| 1971 | 6          | 7    | 3   | 22   | 4   | 8           | 11     | 0           | 4             | 0         | na   | 36                  |
| 1972 | 6          | 7    | 3   | 22   | 4   | 9           | 10     | 0           | 4             | 0         | na   | 36                  |
| 1973 | 5          | 7    | 3   | 22   | 5   | 8           | 10     | 0           | 4             | 0         | na   | 36                  |
| 1974 | 6          | 7    | 2   | 20   | 4   | 8           | 11     | 0           | 4             | 1         | na   | 36                  |
| 1975 | 4          | 9    | 3   | 24   | 3   | 9           | 6      | 0           | 4             | 1         | na   | 36                  |
| 1976 | 4          | 8    | 3   | 25   | 3   | 9           | 7      | 0           | 4             | 1         | na   | 36                  |
| 1977 | 5          | 8    | 2   | 23   | 4   | 9           | 7      | 0           | 4             | 1         | na   | 36                  |
| 1978 | 5          | 8    | 3   | 23   | 4   | 9           | 7      | 0           | 5             | 1         | na   | 36                  |
| 1979 | 4          | 18   | 7   | 6    | 3   | 23          | 6      | 3           | 1             | 1         | 1    | 29                  |
| 1980 | 6          | 14   | 6   | 6    | 4   | 21          | 10     | 3           | 1             | 1         | na   | 28                  |
| 1981 | 5          | 13   | 7   | 10   | 7   | 18          | 6      | 3           | 2             | 0         | na   | 29                  |
| 1982 | 4          | 14   | 7   | 14   | 5   | 18          | 6      | 2           | 1             | 0         | na   | 29                  |
| 1983 | 5          | 14   | 7   | 13   | 4   | 19          | 5      | 2           | 1             | 1         | na   | 29                  |
| 1984 | 6          | 10   | 7   | 11   | 7   | 18          | 6      | 2           | 1             | 2         | na   | 29                  |
| 1985 | 4          | 11   | 7   | 10   | 5   | 18          | 6      | 3           | 2             | 2         | na   | 32                  |
| 1986 | 4          | 10   | 4   | 16   | 5   | 12          | na     | 1           | 6             | 2         | 2    | 39                  |
| 1987 | 3          | 12   | 4   | 15   | 6   | 13          | na     | 0           | 4             | 3         | 2    | 38                  |
| 1988 | 4          | 11   | 2   | 26   | 5   | 8           | na     | 1           | 3             | 1         | 2    | 36                  |
| 1989 | 5          | 11   | 2   | 26   | 5   | 10          | na     | 1           | 3             | 2         | 1    | 35                  |
| 1990 | 6          | 11   | 3   | 17   | 6   | 11          | na     | 1           | 3             | 2         | 1    | 39                  |
| 1991 | 5          | 8    | 3   | 22   | 6   | 11          | na     | 1           | 3             | 2         | 0    | 39                  |
| 1992 | 3          | 10   | 2   | 25   | 3   | 13          | na     | 1           | 3             | 2         | 0    | 36                  |
| 1993 | 4          | 13   | 3   | 21   | 4   | 9           | na     | 1           | 6             | 3         | 0    | 36                  |
| 1994 | 3          | 14   | 3   | 24   | 2   | 10          | na     | 1           | 6             | 2         | 0    | 35                  |
| 1995 | 4          | 12   | 2   | 28   | 3   | 10          | na     | 1           | 4             | 3         | 0    | 33                  |
| 1996 | 7          | 10   | 3   | 23   | 3   | 11          | na     | 1           | 5             | 3         | 0    | 33                  |
| 1997 | 6          | 8    | 3   | 23   | 3   | 12          | na     | 1           | 6             | 3         | 0    | 35                  |
| 1998 | 4          | 10   | 2   | 24   | 3   | 10          | na     | 1           | 5             | 3         | 0    | 37                  |
| 1999 | 5          | 11   | 2   | 24   | 2   | 8           | na     | 1           | 6             | 2         | 0    | 38                  |
| 2000 | 5          | 10   | 3   | 27   | 2   | 9           | na     | 1           | 6             | 3         | 0    | 34                  |
| 2001 | 6          | 7    | 3   | 28   | 2   | 11          | na     | 2           | 6             | 2         | 0    | 33                  |
| 2002 | 6          | 8    | 3   | 21   | 3   | 10          | na     | 1           | 7             | 3         | 0    | 38                  |
| 2003 | 5          | 7    | 4   | 25   | 3   | 9           | na     | 1           | 6             | 3         | 0    | 37                  |
| 2004 | 5          | 9    | 3   | 25   | 2   | 9           | na     | 0           | 7             | 3         | 0    | 35                  |
| 2005 | 6          | 12   | 3   | 34   | 3   | 13          | na     | 3           | 6             | 4         | 0    | 18                  |
| 2006 | 6          | 12   | 3   | 33   | 3   | 14          | na     | 2           | 6             | 4         | 0    | 18                  |
| 2007 | 7          | 8    | 2   | 40   | 3   | 9           | na     | 2           | 4             | 5         | 0    | 19                  |

a. At farmgate undistorted prices

Appendix Table 9 (continued): Annual distortion estimates, **Norway**, 1956 to 2007  
 (d) Trade status of covered products<sup>a</sup>

|      | Barle<br>y | Beef | Egg | Milk | Oat | Pigm<br>eat | Potat<br>o | Poult<br>ry | Shee<br>pmea<br>t | Whea<br>t | Wool |
|------|------------|------|-----|------|-----|-------------|------------|-------------|-------------------|-----------|------|
| 1956 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1957 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1958 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1959 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1960 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1961 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1962 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1963 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1964 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1965 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1966 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1967 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1968 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1969 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1970 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1971 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1972 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1973 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1974 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1975 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1976 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1977 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1978 | M          | M    | M   | M    | M   | M           | M          | M           | M                 | M         | na   |
| 1979 | M          | M    | X   | X    | M   | M           | M          | M           | M                 | M         | M    |
| 1980 | M          | M    | M   | X    | X   | M           | M          | M           | M                 | M         | na   |
| 1981 | M          | M    | M   | X    | X   | X           | M          | M           | M                 | M         | na   |
| 1982 | X          | X    | M   | X    | X   | X           | M          | M           | M                 | M         | na   |
| 1983 | M          | X    | X   | X    | M   | X           | M          | M           | M                 | M         | na   |
| 1984 | M          | X    | X   | M    | X   | X           | M          | M           | M                 | M         | na   |
| 1985 | M          | M    | X   | X    | M   | X           | M          | M           | M                 | M         | na   |
| 1986 | M          | M    | M   | M    | M   | M           | na         | M           | M                 | M         | X    |
| 1987 | M          | M    | M   | M    | M   | M           | na         | M           | M                 | M         | X    |
| 1988 | M          | M    | M   | M    | M   | M           | na         | M           | M                 | M         | X    |
| 1989 | M          | M    | M   | M    | M   | M           | na         | M           | M                 | M         | X    |
| 1990 | M          | M    | M   | M    | M   | M           | na         | M           | M                 | M         | X    |
| 1991 | M          | M    | M   | M    | M   | M           | na         | M           | M                 | M         | M    |
| 1992 | M          | M    | M   | M    | M   | M           | na         | M           | M                 | M         | M    |
| 1993 | M          | M    | M   | M    | M   | M           | na         | M           | M                 | M         | M    |
| 1994 | M          | M    | M   | M    | M   | M           | na         | M           | M                 | M         | M    |
| 1995 | M          | M    | M   | M    | M   | M           | na         | M           | M                 | M         | M    |
| 1996 | M          | M    | M   | M    | M   | M           | na         | M           | M                 | M         | M    |
| 1997 | M          | M    | M   | M    | M   | M           | na         | M           | M                 | M         | M    |
| 1998 | M          | M    | M   | M    | M   | M           | na         | M           | M                 | M         | M    |
| 1999 | M          | M    | M   | M    | M   | M           | na         | M           | M                 | M         | M    |
| 2000 | M          | M    | M   | M    | M   | M           | na         | M           | M                 | M         | X    |
| 2001 | M          | M    | M   | M    | M   | M           | na         | M           | M                 | M         | M    |
| 2002 | M          | M    | M   | M    | M   | M           | na         | M           | M                 | M         | X    |
| 2003 | M          | M    | M   | M    | M   | M           | na         | M           | M                 | M         | X    |
| 2004 | M          | M    | M   | M    | M   | M           | na         | M           | M                 | M         | X    |
| 2005 | M          | M    | X   | M    | M   | M           | na         | M           | M                 | M         | X    |
| 2006 | M          | M    | X   | M    | M   | M           | na         | M           | M                 | M         | X    |
| 2007 | M          | M    | X   | M    | M   | M           | na         | M           | M                 | M         | X    |

a. Exportables (X), import-competing products (M) and nontradables (H).

Source: Anderson and Valenzuela (2008), based on author's spreadsheet

Appendix Table 10: Annual distortion estimates, **Portugal**, 1956 to 2007

(a) Nominal rates of assistance to covered products

|      | (percent) |      |     |       |      |     |             |        |         |      |
|------|-----------|------|-----|-------|------|-----|-------------|--------|---------|------|
|      | Barley    | Beef | Egg | Maize | Milk | Oat | Pigmea<br>t | Potato | Poultry | Rice |
| 1956 | na        | na   | na  | na    | na   | na  | na          | na     | na      | na   |
| 1957 | na        | na   | na  | na    | na   | na  | na          | na     | na      | na   |
| 1958 | na        | na   | na  | na    | na   | na  | na          | na     | na      | na   |
| 1959 | na        | na   | na  | na    | na   | na  | na          | na     | na      | na   |
| 1960 | na        | 42   | na  | 45    | 0    | na  | na          | na     | na      | 2    |
| 1961 | na        | 52   | na  | 12    | 0    | na  | na          | na     | na      | 4    |
| 1962 | na        | 53   | na  | 14    | 0    | na  | na          | na     | na      | -36  |
| 1963 | na        | 58   | na  | 19    | 0    | na  | na          | na     | na      | -3   |
| 1964 | na        | 26   | na  | 19    | 0    | na  | na          | na     | na      | 5    |
| 1965 | na        | 24   | na  | 39    | 0    | na  | na          | na     | na      | 24   |
| 1966 | na        | 40   | na  | 27    | 0    | na  | na          | na     | na      | 11   |
| 1967 | na        | 66   | na  | 27    | 22   | na  | na          | na     | na      | 6    |
| 1968 | na        | 77   | na  | 24    | 19   | na  | na          | na     | na      | 9    |
| 1969 | na        | 67   | na  | 23    | 18   | na  | na          | na     | na      | 31   |
| 1970 | na        | 46   | na  | 7     | 19   | na  | na          | na     | na      | 27   |
| 1971 | na        | 42   | na  | 33    | 9    | na  | na          | na     | na      | -12  |
| 1972 | na        | 42   | na  | 47    | 12   | na  | na          | na     | na      | 37   |
| 1973 | na        | 66   | na  | 0     | 12   | na  | na          | na     | na      | -16  |
| 1974 | na        | 55   | na  | -22   | 11   | na  | na          | na     | na      | -39  |
| 1975 | na        | 123  | na  | 30    | 5    | na  | na          | na     | na      | -12  |
| 1976 | na        | 151  | na  | 30    | 4    | na  | na          | na     | na      | 0    |
| 1977 | na        | 140  | na  | 35    | 3    | na  | na          | na     | na      | -10  |
| 1978 | na        | 122  | na  | 32    | 2    | na  | na          | na     | na      | -6   |
| 1979 | na        | 123  | na  | 24    | 2    | na  | na          | na     | na      | 7    |
| 1980 | na        | 86   | na  | 18    | 5    | na  | na          | na     | na      | 13   |
| 1981 | na        | 63   | na  | 14    | 7    | na  | na          | na     | na      | -21  |
| 1982 | na        | 41   | na  | 34    | 6    | na  | na          | na     | na      | 1    |
| 1983 | na        | 69   | na  | 35    | 31   | na  | na          | na     | na      | 13   |
| 1984 | na        | 38   | na  | 31    | 3    | na  | na          | na     | na      | 18   |
| 1985 | na        | 38   | na  | 31    | 3    | na  | na          | na     | na      | 18   |
| 1986 | 157       | 188  | 31  | 110   | 361  | 83  | 40          | 17     | 79      | 127  |
| 1987 | 233       | 107  | 21  | 170   | 533  | 77  | 11          | 17     | 90      | 190  |
| 1988 | 85        | 80   | 21  | 79    | 192  | 14  | 34          | 17     | 69      | 162  |
| 1989 | 45        | 79   | 29  | 62    | 84   | 15  | 14          | 17     | 66      | 148  |
| 1990 | 94        | 98   | 12  | 108   | 125  | 48  | 7           | 16     | 100     | 152  |
| 1991 | 119       | 157  | 13  | 120   | 128  | 39  | 20          | 16     | 83      | 144  |
| 1992 | 103       | 93   | 15  | 103   | 118  | 63  | 0           | 17     | 118     | 143  |
| 1993 | 105       | 63   | 10  | 69    | 123  | 44  | 18          | 17     | 110     | 106  |
| 1994 | 100       | 53   | 0   | 45    | 117  | 43  | 18          | 16     | 114     | 133  |
| 1995 | 41        | 69   | 12  | 53    | 79   | 40  | 16          | 15     | 129     | 88   |
| 1996 | 2         | 68   | 5   | 14    | 70   | 34  | 16          | 14     | 77      | 33   |
| 1997 | 7         | 117  | 1   | 19    | 78   | 25  | 13          | 12     | 55      | 31   |
| 1998 | 64        | 121  | 11  | 32    | 100  | 50  | 22          | 11     | 51      | 18   |
| 1999 | 44        | 125  | 16  | 39    | 106  | 84  | 57          | 11     | 90      | 0    |
| 2000 | 3         | 113  | 3   | 27    | 57   | 59  | 32          | 10     | 57      | 1    |
| 2001 | 0         | 140  | 0   | 14    | 40   | 29  | 24          | 10     | 52      | 42   |
| 2002 | 0         | 157  | 0   | 9     | 75   | 0   | 24          | 10     | 56      | 24   |
| 2003 | 1         | 157  | 0   | 34    | 70   | 1   | 33          | 10     | 54      | 18   |
| 2004 | 1         | 92   | 0   | 39    | 62   | 23  | 27          | 10     | 101     | 1    |
| 2005 | 0         | 109  | 0   | 19    | 33   | 24  | 19          | 10     | 69      | 2    |
| 2006 | 0         | 86   | 0   | 11    | 25   | 0   | 14          | 10     | 69      | 3    |
| 2007 | 0         | 71   | 0   | 21    | 0    | 0   | 18          | 10     | 100     | 1    |



|      | Sheep<br>meat | Sugar | Sunflo<br>wer | Tomato | Wheat | Wine | All<br>cover<br>ed |
|------|---------------|-------|---------------|--------|-------|------|--------------------|
| 1956 | na            | -16   | na            | na     | na    | 0    | 0                  |
| 1957 | na            | -44   | na            | na     | na    | 0    | 0                  |
| 1958 | na            | -6    | na            | na     | na    | 0    | 0                  |
| 1959 | na            | 7     | na            | na     | na    | 0    | 0                  |
| 1960 | 8             | 5     | na            | 0      | 56    | 0    | 14                 |
| 1961 | 16            | 5     | na            | 0      | 52    | 0    | 11                 |
| 1962 | 12            | 10    | na            | 0      | 48    | 0    | 6                  |
| 1963 | 16            | -63   | na            | 0      | 51    | 0    | 9                  |
| 1964 | 18            | -50   | na            | 0      | 46    | 0    | 6                  |
| 1965 | 14            | 44    | na            | 0      | 83    | 0    | 10                 |
| 1966 | 25            | 89    | na            | 0      | 65    | 0    | 10                 |
| 1967 | 31            | 53    | na            | 0      | 60    | 0    | 13                 |
| 1968 | 29            | 20    | na            | 0      | 68    | 0    | 13                 |
| 1969 | 33            | 8     | na            | 2      | 79    | 0    | 16                 |
| 1970 | 30            | -18   | na            | 6      | 56    | 0    | 12                 |
| 1971 | 33            | -42   | 4             | 11     | 88    | 0    | 17                 |
| 1972 | 29            | -46   | 4             | 12     | 59    | 0    | 19                 |
| 1973 | 30            | -69   | 3             | 0      | -10   | 0    | 5                  |
| 1974 | 27            | -80   | 2             | 62     | -26   | 0    | 18                 |
| 1975 | 32            | -41   | 2             | 41     | -8    | 0    | 34                 |
| 1976 | 35            | 3     | 2             | 11     | 4     | 0    | 26                 |
| 1977 | 27            | 83    | 3             | 0      | 17    | 0    | 27                 |
| 1978 | 24            | 130   | 3             | 7      | 20    | 0    | 30                 |
| 1979 | 31            | 0     | 3             | 26     | 39    | 0    | 31                 |
| 1980 | 16            | -41   | 3             | 37     | 24    | 0    | 30                 |
| 1981 | 4             | 51    | 2             | 24     | 11    | 0    | 21                 |
| 1982 | 8             | 126   | 2             | 7      | 27    | 0    | 14                 |
| 1983 | 14            | 57    | 2             | 4      | 27    | 0    | 14                 |
| 1984 | 5             | 115   | 1             | 13     | 38    | 0    | 13                 |
| 1985 | 5             | 218   | 2             | 13     | 38    | 0    | 10                 |
| 1986 | 134           | 247   | 144           | 17     | 119   | 9    | 55                 |
| 1987 | 211           | 301   | 150           | 15     | 143   | 9    | 55                 |
| 1988 | 215           | 201   | 96            | 15     | 94    | 7    | 56                 |
| 1989 | 167           | 90    | 150           | 0      | 31    | 6    | 31                 |
| 1990 | 154           | 109   | 143           | 2      | 57    | 8    | 28                 |
| 1991 | 128           | 191   | 111           | 0      | 146   | 9    | 38                 |
| 1992 | 112           | 212   | 0             | 0      | 65    | 13   | 36                 |
| 1993 | 38            | 169   | 0             | 8      | 58    | 13   | 37                 |
| 1994 | 55            | 129   | 0             | 11     | 48    | 10   | 32                 |
| 1995 | 77            | 119   | 0             | 0      | 16    | 4    | 27                 |
| 1996 | 45            | 140   | 0             | 2      | 0     | 4    | 21                 |
| 1997 | 27            | 147   | 0             | 0      | 0     | 5    | 22                 |
| 1998 | 38            | 186   | 0             | 0      | 26    | 3    | 23                 |
| 1999 | 37            | 245   | 0             | 0      | 37    | 2    | 29                 |
| 2000 | 26            | 176   | 0             | 0      | 11    | 2    | 22                 |
| 2001 | 48            | 138   | 0             | 0      | 4     | 2    | 19                 |
| 2002 | 35            | 161   | 0             | 0      | 0     | 2    | 23                 |
| 2003 | 46            | 240   | 0             | 2      | 2     | 2    | 25                 |
| 2004 | 33            | 238   | 0             | 2      | 2     | 1    | 23                 |
| 2005 | 54            | 168   | 0             | 0      | 0     | 2    | 16                 |
| 2006 | 74            | 62    | 0             | 0      | 0     | 1    | 13                 |
| 2007 | 68            | 99    | 0             | 0      | 0     | 1    | 13                 |

Appendix Table 10 (continued): Annual distortion estimates, **Portugal**, 1956 to 2007

(b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup> and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural industries (percent)

|      | NRA, all agric products, <sup>a</sup> by component |                               |                                       |   |   | NRA, agric tradables    |                              |  | NRA, all non-ag tradable goods (9) | RRA <sup>b</sup> (10) |
|------|--|-------------------------------|---------------------------------------|---|---|-------------------------|------------------------------|--|------------------------------------|-----------------------|
|      | NRA, covered products (1)                          | NRA, non-covered products (2) | NRA, non-product-specific support (3) | NRA, all ag products (incl NPS and decoupled) (4)=1+2+3 (5) | NRA, all ag products (incl NPS and decoupled) (5) | NRA, ag exportables (6) | NRA, ag import-competing (7) | NRA, all agric tradable goods <sup>c</sup> (8)=6+7 |                                    |                       |
| 1956 | 0  | -22                           | na                                    | -7  | -7  | -5                      | -16                          | -7   | 10                                 | -15                   |
| 1957 | 0  | -20                           | na                                    | -7  | -7  | -5                      | -16                          | -7   | 9                                  | -14                   |
| 1958 | 0  | -12                           | na                                    | -4  | -4  | -2                      | -13                          | -4   | 9                                  | -12                   |
| 1959 | 0  | -13                           | na                                    | -5  | -5  | -3                      | -14                          | -5   | 10                                 | -13                   |
| 1960 | 14   | -14                           | na                                    | 8   | 8   | -3                      | 19                           | 8  | 10                                 | -2                    |
| 1961 | 11   | -14                           | na                                    | 5   | 5   | -4                      | 14                           | 5  | 10                                 | -4                    |
| 1962 | 6  | -13                           | na                                    | 2   | 2   | -3                      | 8                            | 2  | 10                                 | -8                    |
| 1963 | 9  | -20                           | na                                    | 3   | 3   | -5                      | 13                           | 3  | 10                                 | -6                    |
| 1964 | 6  | -21                           | na                                    | 1   | 1   | -5                      | 8                            | 1  | 8                                  | -7                    |
| 1965 | 10   | -21                           | na                                    | 5   | 5   | -5                      | 16                           | 5  | 9                                  | -4                    |
| 1966 | 10   | -22                           | na                                    | 4   | 4   | -7                      | 12                           | 4  | 8                                  | -4                    |
| 1967 | 13   | -16                           | na                                    | 7   | 7   | -5                      | 16                           | 7  | 8                                  | -1                    |
| 1968 | 13   | -15                           | na                                    | 8   | 8   | -4                      | 19                           | 8  | 8                                  | 0                     |
| 1969 | 16   | -15                           | na                                    | 9   | 9   | -5                      | 19                           | 9  | 8                                  | 1                     |
| 1970 | 12   | -13                           | na                                    | 7   | 7   | -3                      | 16                           | 7  | 9                                  | -1                    |
| 1971 | 17   | -16                           | na                                    | 11  | 11  | -5                      | 22                           | 11   | 7                                  | 3                     |
| 1972 | 19   | -12                           | na                                    | 12  | 12  | -3                      | 22                           | 12   | 7                                  | 5                     |
| 1973 | 5  | -11                           | na                                    | 2   | 2   | -2                      | 4                            | 2  | 6                                  | -3                    |
| 1974 | 18   | -13                           | na                                    | 12  | 12  | -3                      | 22                           | 12   | 47                                 | -24                   |
| 1975 | 34   | -6                            | na                                    | 25  | 25  | -1                      | 38                           | 25   | 5                                  | 20                    |
| 1976 | 26   | -3                            | na                                    | 20  | 20  | 1                       | 30                           | 20   | 5                                  | 14                    |
| 1977 | 27   | 4                             | na                                    | 22  | 22  | 6                       | 29                           | 22   | 4                                  | 17                    |
| 1978 | 30   | 18                            | na                                    | 27  | 27  | 16                      | 32                           | 27   | 3                                  | 23                    |
| 1979 | 31   | 11                            | na                                    | 27  | 27  | 8                       | 41                           | 27   | 2                                  | 24                    |
| 1980 | 30   | 3                             | na                                    | 24  | 24  | 5                       | 35                           | 24   | 2                                  | 21                    |
| 1981 | 21   | 1                             | na                                    | 17  | 17  | 4                       | 24                           | 17   | 2                                  | 14                    |
| 1982 | 14   | 1                             | na                                    | 11  | 11  | 3                       | 15                           | 11   | 2                                  | 9                     |
| 1983 | 14   | 3                             | na                                    | 11  | 11  | 3                       | 16                           | 11   | 2                                  | 9                     |
| 1984 | 13   | 4                             | na                                    | 11  | 11  | 3                       | 15                           | 11   | 1                                  | 9                     |
| 1985 | 10   | -5                            | na                                    | 6   | 6   | -4                      | 14                           | 6  | 1                                  | 5                     |
| 1986 | 55   | 40                            | 3                                     | 56  | 58  | 25                      | 64                           | 56   | 1                                  | 54                    |
| 1987 | 55   | 44                            | 3                                     | 57  | 59  | 27                      | 66                           | 57   | 1                                  | 54                    |
| 1988 | 56   | 36                            | 3                                     | 55  | 57  | 33                      | 57                           | 55   | 0                                  | 55                    |
| 1989 | 31   | 21                            | 3                                     | 32  | 35  | 10                      | 46                           | 32   | 0                                  | 32                    |
| 1990 | 28   | 25                            | 4                                     | 31  | 35  | 11                      | 51                           | 31   | 0                                  | 31                    |
| 1991 | 38   | 28                            | 5                                     | 41  | 46  | 13                      | 62                           | 41   | 0                                  | 41                    |
| 1992 | 36   | 26                            | 5                                     | 39  | 47  | 16                      | 48                           | 39   | 0                                  | 39                    |
| 1993 | 37   | 27                            | 5                                     | 40  | 52  | 18                      | 49                           | 40   | 0                                  | 40                    |
| 1994 | 32   | 24                            | 4                                     | 35  | 50  | 17                      | 43                           | 35   | 0                                  | 35                    |
| 1995 | 27   | 20                            | 5                                     | 31  | 47  | 9                       | 41                           | 31   | 0                                  | 31                    |
| 1996 | 21   | 17                            | 4                                     | 24  | 40  | 8                       | 34                           | 24   | 0                                  | 24                    |
| 1997 | 22   | 18                            | 4                                     | 26  | 42  | 7                       | 37                           | 26   | 0                                  | 26                    |
| 1998 | 23   | 19                            | 4                                     | 26  | 43  | 6                       | 43                           | 26   | 0                                  | 26                    |
| 1999 | 29   | 24                            | 4                                     | 32  | 49  | 7                       | 56                           | 32   | 0                                  | 32                    |
| 2000 | 22   | 16                            | 3                                     | 24  | 42  | 5                       | 41                           | 24   | 0                                  | 24                    |
| 2001 | 19   | 14                            | 4                                     | 22  | 39  | 4                       | 34                           | 22   | 0                                  | 22                    |
| 2002 | 23   | 17                            | 5                                     | 27  | 44  | 5                       | 43                           | 27   | 0                                  | 27                    |
| 2003 | 25   | 19                            | 5                                     | 28  | 48  | 5                       | 47                           | 28   | 0                                  | 28                    |
| 2004 | 23   | 18                            | 4                                     | 26  | 44  | 4                       | 44                           | 26   | 0                                  | 26                    |
| 2005 | 16   | 9                             | 4                                     | 16  | 35  | 1                       | 37                           | 16   | 0                                  | 16                    |
| 2006 | 13   | 7                             | 4                                     | 14  | 36  | 1                       | 30                           | 14   | 0                                  | 14                    |
| 2007 | 13   | 7                             | 4                                     | 14  | 32  | 1                       | 26                           | 14   | 0                                  | 14                    |

- a. NRAs including assistance to nontradables and via inputs and other forms of non-product-specific (NPS) assistance without and (in column (5)) with decoupled support.
- b. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors (columns 8 and 9), respectively, so it excludes decoupled payments but includes all NPS support.
- c. Including NPS but excluding decoupled payments, so more than the weighted average of columns (6) and (7).

Appendix Table 10 (continued): Annual distortion estimates, **Portugal**, 1956 to 2007  
(c) Value shares of primary production of covered<sup>a</sup> and non-covered products,  
(percent)

|      | Barley | Beef | Egg | Maize | Milk | Oat | Pigmea<br>t | Potato | Poultry | Rice |
|------|--------|------|-----|-------|------|-----|-------------|--------|---------|------|
| 1956 | na     | na   | na  | na    | na   | na  | na          | na     | na      | na   |
| 1957 | na     | na   | na  | na    | na   | na  | na          | na     | na      | na   |
| 1958 | na     | na   | na  | na    | na   | na  | na          | na     | na      | na   |
| 1959 | na     | na   | na  | na    | na   | na  | na          | na     | na      | na   |
| 1960 | na     | 4    | na  | 5     | 3    | na  | na          | na     | na      | 6    |
| 1961 | na     | 5    | na  | 6     | 3    | na  | na          | na     | na      | 7    |
| 1962 | na     | 4    | na  | 6     | 2    | na  | na          | na     | na      | 4    |
| 1963 | na     | 4    | na  | 6     | 2    | na  | na          | na     | na      | 4    |
| 1964 | na     | 4    | na  | 6     | 3    | na  | na          | na     | na      | 4    |
| 1965 | na     | 6    | na  | 4     | 2    | na  | na          | na     | na      | 2    |
| 1966 | na     | 8    | na  | 6     | 3    | na  | na          | na     | na      | 4    |
| 1967 | na     | 6    | na  | 5     | 2    | na  | na          | na     | na      | 4    |
| 1968 | na     | 6    | na  | 4     | 2    | na  | na          | na     | na      | 3    |
| 1969 | na     | 8    | na  | 5     | 3    | na  | na          | na     | na      | 3    |
| 1970 | na     | 8    | na  | 5     | 2    | na  | na          | na     | na      | 2    |
| 1971 | na     | 8    | na  | 5     | 3    | na  | na          | na     | na      | 3    |
| 1972 | na     | 7    | na  | 4     | 3    | na  | na          | na     | na      | 4    |
| 1973 | na     | 8    | na  | 4     | 3    | na  | na          | na     | na      | 6    |
| 1974 | na     | 10   | na  | 5     | 3    | na  | na          | na     | na      | 3    |
| 1975 | na     | 12   | na  | 4     | 3    | na  | na          | na     | na      | 3    |
| 1976 | na     | 10   | na  | 4     | 3    | na  | na          | na     | na      | 2    |
| 1977 | na     | 13   | na  | 4     | 2    | na  | na          | na     | na      | 3    |
| 1978 | na     | 15   | na  | 4     | 2    | na  | na          | na     | na      | 2    |
| 1979 | na     | 13   | na  | 3     | 2    | na  | na          | na     | na      | 3    |
| 1980 | na     | 15   | na  | 4     | 2    | na  | na          | na     | na      | 4    |
| 1981 | na     | 18   | na  | 4     | 4    | na  | na          | na     | na      | 3    |
| 1982 | na     | 15   | na  | 4     | 4    | na  | na          | na     | na      | 3    |
| 1983 | na     | 6    | na  | 6     | 5    | na  | na          | na     | na      | 3    |
| 1984 | na     | 5    | na  | 6     | 4    | na  | na          | na     | na      | 2    |
| 1985 | na     | 4    | na  | 5     | 4    | na  | na          | na     | na      | 1    |
| 1986 | 0      | 5    | 2   | 3     | 3    | 1   | 8           | 7      | 5       | 1    |
| 1987 | 0      | 6    | 3   | 2     | 3    | 1   | 10          | 7      | 4       | 1    |
| 1988 | 0      | 9    | 3   | 4     | 7    | 1   | 9           | 6      | 5       | 1    |
| 1989 | 0      | 7    | 2   | 3     | 8    | 1   | 10          | 5      | 3       | 1    |
| 1990 | 0      | 4    | 2   | 2     | 6    | 0   | 11          | 4      | 2       | 1    |
| 1991 | 0      | 4    | 3   | 2     | 7    | 0   | 10          | 6      | 3       | 1    |
| 1992 | 0      | 6    | 3   | 2     | 8    | 0   | 16          | 5      | 4       | 1    |
| 1993 | 0      | 7    | 3   | 2     | 8    | 0   | 13          | 3      | 4       | 0    |
| 1994 | 0      | 5    | 3   | 2     | 7    | 0   | 11          | 6      | 4       | 1    |
| 1995 | 0      | 5    | 2   | 3     | 9    | 0   | 11          | 8      | 3       | 1    |
| 1996 | 0      | 4    | 3   | 3     | 9    | 0   | 12          | 3      | 4       | 1    |
| 1997 | 0      | 4    | 3   | 3     | 9    | 0   | 12          | 2      | 5       | 1    |
| 1998 | 0      | 3    | 2   | 3     | 7    | 0   | 8           | 4      | 5       | 1    |
| 1999 | 0      | 3    | 2   | 3     | 8    | 0   | 7           | 6      | 4       | 1    |
| 2000 | 0      | 3    | 3   | 3     | 11   | 0   | 9           | 3      | 5       | 1    |
| 2001 | 0      | 2    | 3   | 3     | 12   | 0   | 11          | 3      | 5       | 1    |
| 2002 | 0      | 3    | 3   | 3     | 10   | 0   | 10          | 4      | 5       | 1    |
| 2003 | 0      | 3    | 4   | 3     | 10   | 0   | 9           | 4      | 4       | 1    |
| 2004 | 0      | 4    | 3   | 2     | 10   | 0   | 8           | 5      | 3       | 1    |
| 2005 | 0      | 3    | 3   | 1     | 7    | 0   | 9           | 2      | 4       | 1    |
| 2006 | 0      | 2    | 4   | 2     | 7    | 0   | 8           | 3      | 4       | 1    |
| 2007 | 1      | 2    | 4   | 3     | 9    | 0   | 8           | 3      | 4       | 1    |

|      | Sheep<br>meat | Sugar | Sunflo<br>wer | Tomato | Wheat | Wine | Non-<br>covere<br>d |
|------|---------------|-------|---------------|--------|-------|------|---------------------|
| 1956 | na            | 0     | na            | na     | na    | 70   | 30                  |
| 1957 | na            | 0     | na            | na     | na    | 67   | 33                  |
| 1958 | na            | 0     | na            | na     | na    | 65   | 35                  |
| 1959 | na            | 0     | na            | na     | na    | 64   | 36                  |
| 1960 | 2             | 0     | na            | 7      | 12    | 39   | 22                  |
| 1961 | 3             | 0     | na            | 9      | 9     | 35   | 23                  |
| 1962 | 2             | 0     | na            | 7      | 7     | 48   | 21                  |
| 1963 | 3             | 0     | na            | 9      | 7     | 45   | 20                  |
| 1964 | 3             | 0     | na            | 13     | 5     | 43   | 19                  |
| 1965 | 3             | 0     | na            | 15     | 5     | 44   | 18                  |
| 1966 | 2             | 0     | na            | 21     | 4     | 33   | 20                  |
| 1967 | 2             | 0     | na            | 21     | 6     | 33   | 21                  |
| 1968 | 1             | 0     | na            | 18     | 6     | 38   | 20                  |
| 1969 | 2             | 0     | na            | 24     | 4     | 30   | 21                  |
| 1970 | 2             | 0     | na            | 18     | 6     | 36   | 21                  |
| 1971 | 2             | 0     | 0             | 19     | 8     | 32   | 20                  |
| 1972 | 2             | 0     | 0             | 24     | 8     | 27   | 21                  |
| 1973 | 2             | 0     | 0             | 24     | 7     | 26   | 20                  |
| 1974 | 2             | 0     | 0             | 21     | 6     | 30   | 20                  |
| 1975 | 2             | 0     | 0             | 27     | 7     | 21   | 21                  |
| 1976 | 2             | 0     | 0             | 24     | 10    | 24   | 22                  |
| 1977 | 3             | 0     | 0             | 29     | 4     | 20   | 23                  |
| 1978 | 3             | 0     | 0             | 30     | 3     | 18   | 23                  |
| 1979 | 2             | 0     | 0             | 19     | 2     | 32   | 24                  |
| 1980 | 3             | 0     | 0             | 20     | 3     | 24   | 23                  |
| 1981 | 3             | 0     | 0             | 19     | 3     | 24   | 23                  |
| 1982 | 3             | 0     | 0             | 19     | 4     | 25   | 23                  |
| 1983 | 4             | 0     | 0             | 24     | 4     | 24   | 25                  |
| 1984 | 3             | 0     | 1             | 26     | 5     | 22   | 27                  |
| 1985 | 3             | 0     | 0             | 24     | 3     | 31   | 26                  |
| 1986 | 2             | 0     | 0             | 21     | 2     | 20   | 19                  |
| 1987 | 2             | 0     | 0             | 17     | 2     | 24   | 18                  |
| 1988 | 2             | 0     | 1             | 19     | 2     | 11   | 21                  |
| 1989 | 1             | 0     | 0             | 20     | 3     | 18   | 18                  |
| 1990 | 1             | 0     | 0             | 19     | 1     | 31   | 15                  |
| 1991 | 1             | 0     | 0             | 20     | 2     | 22   | 19                  |
| 1992 | 2             | 0     | 0             | 15     | 1     | 18   | 19                  |
| 1993 | 2             | 0     | 0             | 19     | 2     | 16   | 19                  |
| 1994 | 2             | 0     | 0             | 19     | 1     | 19   | 18                  |
| 1995 | 1             | 0     | 0             | 16     | 1     | 20   | 18                  |
| 1996 | 2             | 0     | 0             | 17     | 2     | 23   | 17                  |
| 1997 | 2             | 0     | 0             | 16     | 1     | 24   | 17                  |
| 1998 | 2             | 0     | 0             | 21     | 0     | 25   | 17                  |
| 1999 | 2             | 0     | 0             | 20     | 1     | 26   | 18                  |
| 2000 | 2             | 0     | 0             | 19     | 1     | 23   | 18                  |
| 2001 | 2             | 0     | 0             | 17     | 0     | 22   | 18                  |
| 2002 | 2             | 0     | 0             | 17     | 1     | 23   | 18                  |
| 2003 | 2             | 0     | 0             | 18     | 1     | 24   | 19                  |
| 2004 | 2             | 0     | 0             | 17     | 1     | 24   | 18                  |
| 2005 | 2             | 0     | 0             | 17     | 0     | 27   | 24                  |
| 2006 | 2             | 0     | 0             | 16     | 1     | 25   | 24                  |
| 2007 | 2             | 0     | 0             | 15     | 1     | 21   | 24                  |

a. At farmgate undistorted prices



|      | Sheep<br>meat | Sugar | Sunflo<br>wer | Tomat<br>o | Wheat | Wine |
|------|---------------|-------|---------------|------------|-------|------|
| 1956 | na            | M     | na            | na         | na    | X    |
| 1957 | na            | M     | na            | na         | na    | X    |
| 1958 | na            | M     | na            | na         | na    | X    |
| 1959 | na            | M     | na            | na         | na    | X    |
| 1960 | M             | M     | na            | M          | M     | X    |
| 1961 | M             | M     | na            | M          | M     | X    |
| 1962 | M             | M     | na            | M          | M     | X    |
| 1963 | M             | M     | na            | M          | M     | X    |
| 1964 | M             | M     | na            | M          | M     | X    |
| 1965 | M             | M     | na            | M          | M     | X    |
| 1966 | M             | M     | na            | M          | M     | X    |
| 1967 | M             | M     | na            | M          | M     | X    |
| 1968 | M             | M     | na            | M          | M     | X    |
| 1969 | M             | M     | na            | M          | M     | X    |
| 1970 | M             | M     | na            | M          | M     | X    |
| 1971 | M             | M     | X             | M          | M     | X    |
| 1972 | M             | M     | X             | M          | M     | X    |
| 1973 | M             | M     | X             | M          | M     | X    |
| 1974 | M             | M     | X             | M          | M     | X    |
| 1975 | M             | M     | X             | M          | M     | X    |
| 1976 | M             | M     | X             | M          | M     | X    |
| 1977 | M             | M     | X             | M          | M     | X    |
| 1978 | M             | M     | X             | M          | M     | X    |
| 1979 | M             | M     | X             | M          | M     | X    |
| 1980 | M             | M     | X             | M          | M     | X    |
| 1981 | M             | M     | X             | M          | M     | X    |
| 1982 | M             | M     | X             | M          | M     | X    |
| 1983 | M             | M     | X             | M          | M     | X    |
| 1984 | M             | M     | X             | M          | M     | X    |
| 1985 | M             | M     | X             | M          | M     | X    |
| 1986 | M             | M     | M             | M          | M     | X    |
| 1987 | M             | M     | M             | M          | M     | X    |
| 1988 | M             | M     | M             | M          | M     | X    |
| 1989 | M             | M     | M             | X          | M     | X    |
| 1990 | M             | M     | M             | X          | M     | X    |
| 1991 | M             | M     | M             | X          | M     | X    |
| 1992 | M             | M     | M             | X          | M     | X    |
| 1993 | M             | M     | M             | X          | M     | X    |
| 1994 | M             | M     | M             | X          | M     | X    |
| 1995 | M             | M     | M             | X          | M     | X    |
| 1996 | M             | M     | M             | X          | X     | X    |
| 1997 | M             | M     | M             | X          | X     | X    |
| 1998 | M             | M     | M             | X          | X     | X    |
| 1999 | M             | M     | M             | X          | X     | X    |
| 2000 | M             | M     | M             | X          | X     | X    |
| 2001 | M             | M     | M             | X          | X     | X    |
| 2002 | M             | M     | M             | X          | X     | X    |
| 2003 | M             | M     | M             | X          | X     | X    |
| 2004 | M             | M     | M             | X          | X     | X    |
| 2005 | M             | M     | M             | X          | X     | X    |
| 2006 | M             | M     | M             | X          | X     | X    |
| 2007 | M             | M     | M             | X          | X     | X    |

a. Exportables (X), import-competing products (M) and nontradables (H).

Source: Anderson and Valenzuela (2008), based on author's spreadsheet

Appendix Table 11: Annual distortion estimates, **Spain**, 1955 to 2007

(a) Nominal rates of assistance to covered products

|      | (percent) |      |     |       |      |     |             |        |         |              |
|------|-----------|------|-----|-------|------|-----|-------------|--------|---------|--------------|
|      | Barley    | Beef | Egg | Maize | Milk | Oat | Pigmea<br>t | Potato | Poultry | Rapese<br>ed |
| 1956 | 6         | na   | na  | 44    | na   | -16 | 16          | na     | na      | na           |
| 1957 | 22        | na   | na  | 75    | na   | -11 | 25          | na     | na      | na           |
| 1958 | 35        | na   | na  | 105   | na   | -8  | 24          | na     | na      | na           |
| 1959 | 30        | na   | na  | 82    | na   | -3  | 22          | na     | na      | na           |
| 1960 | 39        | na   | na  | 74    | na   | -14 | 45          | na     | na      | na           |
| 1961 | 53        | na   | na  | 117   | na   | 6   | 41          | na     | na      | na           |
| 1962 | 27        | na   | na  | 31    | na   | -1  | 44          | na     | na      | na           |
| 1963 | 24        | na   | na  | 17    | na   | -3  | 25          | na     | na      | na           |
| 1964 | 9         | na   | na  | 13    | na   | -12 | -1          | na     | na      | na           |
| 1965 | 16        | na   | na  | 25    | na   | -5  | -10         | na     | na      | na           |
| 1966 | 24        | na   | na  | 30    | na   | -2  | -16         | na     | na      | na           |
| 1967 | 31        | na   | na  | 32    | na   | -3  | -15         | na     | na      | na           |
| 1968 | 65        | na   | na  | 58    | na   | 10  | -7          | na     | na      | na           |
| 1969 | 37        | na   | na  | 53    | na   | 8   | -11         | na     | na      | na           |
| 1970 | 28        | na   | na  | 24    | na   | 1   | -14         | na     | na      | na           |
| 1971 | 58        | na   | na  | 38    | na   | -3  | -11         | na     | na      | na           |
| 1972 | 6         | na   | na  | 65    | na   | -9  | -11         | na     | na      | na           |
| 1973 | -13       | na   | na  | 19    | na   | -21 | -33         | na     | na      | na           |
| 1974 | 4         | na   | na  | -15   | na   | -29 | -47         | na     | na      | na           |
| 1975 | 19        | na   | na  | 30    | na   | 18  | -33         | na     | na      | na           |
| 1976 | 0         | na   | na  | 33    | na   | -15 | -29         | na     | na      | na           |
| 1977 | 25        | na   | na  | 45    | na   | -3  | -48         | na     | na      | na           |
| 1978 | 15        | na   | na  | 50    | na   | 32  | -49         | na     | na      | na           |
| 1979 | 48        | na   | na  | 60    | na   | 62  | -49         | na     | na      | na           |
| 1980 | -4        | na   | na  | 48    | na   | -40 | -58         | na     | na      | na           |
| 1981 | -11       | na   | na  | 32    | na   | -17 | -48         | na     | na      | na           |
| 1982 | -7        | na   | na  | 50    | na   | 10  | -32         | na     | na      | na           |
| 1983 | 4         | na   | na  | 15    | na   | -16 | 55          | na     | na      | na           |
| 1984 | -2        | na   | na  | 8     | na   | -11 | 64          | na     | na      | na           |
| 1985 | 13        | na   | na  | 24    | na   | -12 | 91          | na     | na      | na           |
| 1986 | 157       | 188  | 31  | 110   | 361  | 83  | 40          | 17     | 79      | 153          |
| 1987 | 233       | 107  | 21  | 170   | 533  | 77  | 11          | 17     | 90      | 145          |
| 1988 | 85        | 80   | 21  | 79    | 192  | 14  | 34          | 17     | 69      | 112          |
| 1989 | 45        | 79   | 29  | 62    | 84   | 15  | 14          | 17     | 66      | 140          |
| 1990 | 94        | 98   | 12  | 108   | 125  | 48  | 7           | 16     | 100     | 200          |
| 1991 | 119       | 157  | 13  | 120   | 128  | 39  | 20          | 16     | 83      | 97           |
| 1992 | 103       | 93   | 15  | 103   | 118  | 63  | 0           | 17     | 118     | 0            |
| 1993 | 105       | 63   | 10  | 69    | 123  | 44  | 18          | 17     | 110     | 0            |
| 1994 | 100       | 53   | 0   | 45    | 117  | 43  | 18          | 16     | 114     | 0            |
| 1995 | 41        | 69   | 12  | 53    | 79   | 40  | 16          | 15     | 129     | 0            |
| 1996 | 2         | 68   | 5   | 14    | 70   | 34  | 16          | 14     | 77      | 0            |
| 1997 | 7         | 117  | 1   | 19    | 78   | 25  | 13          | 12     | 55      | 0            |
| 1998 | 64        | 121  | 11  | 32    | 100  | 50  | 22          | 11     | 51      | 0            |
| 1999 | 44        | 125  | 16  | 39    | 106  | 84  | 57          | 11     | 90      | 0            |
| 2000 | 3         | 113  | 3   | 27    | 57   | 59  | 32          | 10     | 57      | 1            |
| 2001 | 0         | 140  | 0   | 14    | 40   | 29  | 24          | 10     | 52      | 0            |
| 2002 | 0         | 157  | 0   | 9     | 75   | 0   | 24          | 10     | 56      | 0            |
| 2003 | 1         | 157  | 0   | 34    | 70   | 1   | 33          | 10     | 54      | 0            |
| 2004 | 1         | 92   | 0   | 39    | 62   | 23  | 27          | 10     | 101     | 0            |
| 2005 | 0         | 109  | 0   | 19    | 33   | 24  | 19          | 10     | 69      | 0            |
| 2006 | 0         | 81   | 0   | 11    | 25   | 0   | 14          | 10     | 69      | 0            |
| 2007 | 0         | 66   | 0   | 21    | 0    | 0   | 18          | 10     | 99      | 0            |



|      | Rice | Sheep<br>meat | Soybea<br>n | Sugar | Sunflo<br>wer | Tomato | Wheat | Wine | All<br>cover<br>ed |
|------|------|---------------|-------------|-------|---------------|--------|-------|------|--------------------|
| 1956 | -11  | na            | na          | 191   | 0             | 0      | 17    | 0    | 11                 |
| 1957 | -16  | na            | na          | 94    | 0             | 0      | 23    | 0    | 15                 |
| 1958 | -20  | na            | na          | 177   | 0             | 0      | 29    | 0    | 20                 |
| 1959 | -24  | na            | na          | 211   | 0             | 0      | 31    | 0    | 19                 |
| 1960 | -30  | na            | na          | 202   | 0             | 0      | 35    | 0    | 23                 |
| 1961 | -33  | na            | na          | 223   | 0             | 0      | 40    | 0    | 24                 |
| 1962 | -29  | na            | na          | 212   | 0             | 0      | 56    | 0    | 23                 |
| 1963 | -34  | na            | na          | 13    | 0             | 0      | 29    | 0    | 11                 |
| 1964 | -44  | na            | na          | 79    | 0             | 0      | 13    | 0    | 3                  |
| 1965 | -19  | na            | na          | 427   | 0             | 0      | 30    | 0    | 12                 |
| 1966 | -31  | na            | na          | 556   | 0             | 0      | 28    | 0    | 10                 |
| 1967 | -45  | na            | na          | 393   | 0             | 0      | 23    | 0    | 10                 |
| 1968 | -33  | na            | na          | 308   | 0             | 0      | 41    | 0    | 22                 |
| 1969 | -4   | na            | na          | 264   | 0             | 0      | 44    | 0    | 19                 |
| 1970 | 7    | na            | -39         | 150   | 0             | 0      | 3     | 0    | 7                  |
| 1971 | -32  | na            | -36         | 88    | 0             | 0      | 32    | 0    | 16                 |
| 1972 | -47  | na            | -31         | 66    | 0             | 0      | -10   | 0    | 1                  |
| 1973 | -71  | na            | -18         | -1    | 0             | 0      | -31   | 0    | -17                |
| 1974 | -65  | na            | -16         | -43   | 0             | 0      | -32   | 0    | -21                |
| 1975 | -21  | na            | 55          | 76    | 0             | 0      | -2    | 0    | 0                  |
| 1976 | -18  | na            | 35          | 168   | 0             | 0      | -16   | 0    | -3                 |
| 1977 | -38  | na            | -1          | 251   | 0             | 0      | -28   | 0    | -10                |
| 1978 | -21  | na            | 10          | 171   | 0             | 0      | 0     | 0    | -7                 |
| 1979 | -32  | na            | 23          | 45    | 0             | 0      | 40    | 0    | -7                 |
| 1980 | -49  | na            | 37          | -6    | 0             | 0      | 43    | 0    | -18                |
| 1981 | -22  | na            | 46          | 105   | 0             | 0      | 38    | 0    | -14                |
| 1982 | -9   | na            | 49          | 201   | 0             | 0      | 45    | 0    | -2                 |
| 1983 | -28  | na            | 17          | 159   | 0             | 0      | 8     | 0    | 19                 |
| 1984 | 15   | na            | 2           | 269   | 0             | 0      | 16    | 0    | 17                 |
| 1985 | 63   | na            | 13          | 268   | 0             | 0      | 43    | 0    | 30                 |
| 1986 | 127  | 134           | 211         | 247   | 144           | 17     | 119   | 9    | 75                 |
| 1987 | 190  | 211           | 169         | 301   | 150           | 15     | 143   | 9    | 76                 |
| 1988 | 162  | 215           | 108         | 201   | 96            | 15     | 94    | 7    | 63                 |
| 1989 | 148  | 167           | 118         | 90    | 150           | 0      | 31    | 6    | 35                 |
| 1990 | 152  | 154           | 147         | 109   | 143           | 2      | 57    | 8    | 40                 |
| 1991 | 144  | 128           | 159         | 191   | 111           | 0      | 146   | 9    | 52                 |
| 1992 | 143  | 112           | 0           | 212   | 0             | 0      | 65    | 13   | 38                 |
| 1993 | 106  | 38            | 0           | 169   | 0             | 8      | 58    | 13   | 42                 |
| 1994 | 133  | 55            | 0           | 129   | 0             | 11     | 48    | 10   | 39                 |
| 1995 | 88   | 77            | 0           | 119   | 0             | 0      | 16    | 4    | 32                 |
| 1996 | 33   | 45            | 0           | 140   | 0             | 2      | 0     | 4    | 21                 |
| 1997 | 31   | 27            | 0           | 147   | 0             | 0      | 0     | 5    | 22                 |
| 1998 | 18   | 38            | 0           | 186   | 0             | 0      | 26    | 3    | 30                 |
| 1999 | 0    | 37            | 0           | 245   | 0             | 0      | 37    | 2    | 36                 |
| 2000 | 1    | 26            | 0           | 176   | 0             | 0      | 11    | 2    | 22                 |
| 2001 | 42   | 48            | 0           | 138   | 0             | 0      | 4     | 2    | 22                 |
| 2002 | 24   | 35            | 0           | 161   | 0             | 0      | 0     | 2    | 24                 |
| 2003 | 18   | 46            | 0           | 240   | 0             | 2      | 2     | 2    | 27                 |
| 2004 | 1    | 33            | 0           | 238   | 0             | 2      | 2     | 1    | 24                 |
| 2005 | 2    | 54            | 0           | 168   | 0             | 0      | 0     | 2    | 15                 |
| 2006 | 3    | 74            | 0           | 62    | 0             | 0      | 0     | 1    | 13                 |
| 2007 | 1    | 68            | 0           | 99    | 0             | 0      | 0     | 1    | 10                 |

Appendix Table 11 (continued): Annual distortion estimates, **Spain**, 1956 to 2007

(b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup> and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural industries (percent)

|      | NRA, all agric products, <sup>a</sup> by component |                               |                                       |   |   | NRA, agric tradables    |                              |  | NRA, all non-ag tradable goods (9) | RRA <sup>b</sup> (10) |
|------|--|-------------------------------|---------------------------------------|---|---|-------------------------|------------------------------|--|------------------------------------|-----------------------|
|      | NRA, covered products (1)                          | NRA, non-covered products (2) | NRA, non-product-specific support (3) | NRA, all ag products (incl NPS and decoupled) (4)=1+2+3 (5) | NRA, all ag products (incl NPS and decoupled) (5) | NRA, ag exportables (6) | NRA, ag import-competing (7) | NRA, all agric tradable goods <sup>c</sup> (8)=6+7 |                                    |                       |
| 1956 | 11   | 1                             | na                                    | 8   | 8   | -1                      | 16                           | 8  | 13                                 | -4                    |
| 1957 | 15   | 3                             | na                                    | 12  | 12  | -1                      | 22                           | 12   | 13                                 | -1                    |
| 1958 | 20   | 4                             | na                                    | 16  | 16  | -1                      | 29                           | 16   | 14                                 | 1                     |
| 1959 | 19   | 5                             | na                                    | 16  | 16  | -2                      | 30                           | 16   | 3                                  | 12                    |
| 1960 | 23   | 6                             | na                                    | 19  | 19  | -2                      | 35                           | 19   | 6                                  | 12                    |
| 1961 | 24   | 8                             | na                                    | 20  | 20  | -3                      | 44                           | 20   | 6                                  | 13                    |
| 1962 | 23   | 7                             | na                                    | 18  | 18  | -2                      | 40                           | 18   | 6                                  | 12                    |
| 1963 | 11   | 3                             | na                                    | 9   | 9   | -3                      | 20                           | 9  | 5                                  | 3                     |
| 1964 | 3  | 1                             | na                                    | 3   | 3   | -3                      | 9                            | 3  | 5                                  | -2                    |
| 1965 | 12   | 3                             | na                                    | 9   | 9   | -1                      | 19                           | 9  | 4                                  | 5                     |
| 1966 | 10   | 3                             | na                                    | 8   | 8   | -2                      | 17                           | 8  | 5                                  | 3                     |
| 1967 | 10   | 2                             | na                                    | 8   | 8   | -4                      | 16                           | 8  | 4                                  | 3                     |
| 1968 | 22   | 5                             | na                                    | 17  | 17  | -2                      | 32                           | 17   | 4                                  | 13                    |
| 1969 | 19   | 5                             | na                                    | 15  | 15  | 0                       | 27                           | 15   | 4                                  | 11                    |
| 1970 | 7  | 2                             | na                                    | 6   | 6   | 0                       | 9                            | 6  | 3                                  | 2                     |
| 1971 | 16   | 4                             | na                                    | 13  | 13  | -2                      | 24                           | 13   | 3                                  | 9                     |
| 1972 | 1  | 0                             | na                                    | 1   | 1   | -3                      | 3                            | 1  | 4                                  | -3                    |
| 1973 | -17  | -6                            | na                                    | -14   | -14   | -8                      | -18                          | -14  | 3                                  | -17                   |
| 1974 | -21  | -6                            | na                                    | -17   | -17   | -5                      | -25                          | -17  | 2                                  | -19                   |
| 1975 | 0  | 0                             | na                                    | 0   | 0   | -1                      | 0                            | 0  | 2                                  | -3                    |
| 1976 | -3   | -1                            | na                                    | -2  | -2  | -1                      | -3                           | -2   | 2                                  | -4                    |
| 1977 | -10  | -3                            | na                                    | -8  | -8  | -2                      | -11                          | -8   | 3                                  | -10                   |
| 1978 | -7   | -2                            | na                                    | -6  | -6  | -1                      | -9                           | -6   | 2                                  | -8                    |
| 1979 | -7   | -2                            | na                                    | -6  | -6  | -2                      | -8                           | -6   | 2                                  | -8                    |
| 1980 | -18  | -5                            | na                                    | -15   | -15   | -4                      | -21                          | -15  | 3                                  | -18                   |
| 1981 | -14  | -4                            | na                                    | -12   | -12   | -2                      | -17                          | -12  | 3                                  | -14                   |
| 1982 | -2   | -1                            | na                                    | -2  | -2  | -1                      | -3                           | -2   | 3                                  | -5                    |
| 1983 | 19   | 2                             | na                                    | 14  | 14  | -1                      | 23                           | 14   | 3                                  | 11                    |
| 1984 | 17   | 2                             | na                                    | 13  | 13  | 1                       | 18                           | 13   | 3                                  | 10                    |
| 1985 | 30   | 5                             | na                                    | 23  | 23  | 2                       | 33                           | 23   | 4                                  | 19                    |
| 1986 | 75   | 50                            | 3                                     | 73  | 75  | 29                      | 85                           | 73   | 3                                  | 69                    |
| 1987 | 76   | 51                            | 3                                     | 74  | 77  | 32                      | 86                           | 74   | 2                                  | 71                    |
| 1988 | 63   | 38                            | 3                                     | 61  | 64  | 30                      | 66                           | 61   | 0                                  | 61                    |
| 1989 | 35   | 22                            | 3                                     | 35  | 39  | 11                      | 46                           | 35   | 0                                  | 35                    |
| 1990 | 40   | 27                            | 4                                     | 42  | 45  | 14                      | 56                           | 42   | 0                                  | 42                    |
| 1991 | 52   | 33                            | 5                                     | 53  | 57  | 16                      | 67                           | 53   | 0                                  | 53                    |
| 1992 | 38   | 28                            | 5                                     | 41  | 48  | 19                      | 47                           | 41   | 0                                  | 41                    |
| 1993 | 42   | 30                            | 5                                     | 45  | 57  | 20                      | 51                           | 45   | 0                                  | 45                    |
| 1994 | 39   | 26                            | 4                                     | 40  | 55  | 19                      | 45                           | 40   | 0                                  | 40                    |
| 1995 | 32   | 22                            | 5                                     | 34  | 51  | 11                      | 40                           | 34   | 0                                  | 34                    |
| 1996 | 21   | 14                            | 4                                     | 24  | 40  | 7                       | 32                           | 24   | 0                                  | 24                    |
| 1997 | 22   | 16                            | 4                                     | 25  | 41  | 8                       | 32                           | 25   | 0                                  | 25                    |
| 1998 | 30   | 22                            | 4                                     | 33  | 50  | 9                       | 44                           | 33   | 0                                  | 33                    |
| 1999 | 36   | 27                            | 4                                     | 39  | 56  | 10                      | 58                           | 39   | 0                                  | 39                    |
| 2000 | 22   | 16                            | 3                                     | 24  | 42  | 5                       | 41                           | 24   | 0                                  | 24                    |
| 2001 | 22   | 14                            | 4                                     | 24  | 41  | 5                       | 34                           | 24   | 0                                  | 24                    |
| 2002 | 24   | 16                            | 5                                     | 27  | 44  | 5                       | 40                           | 27   | 0                                  | 27                    |
| 2003 | 27   | 17                            | 5                                     | 30  | 49  | 5                       | 46                           | 30   | 0                                  | 30                    |
| 2004 | 24   | 17                            | 4                                     | 27  | 45  | 5                       | 42                           | 27   | 0                                  | 27                    |
| 2005 | 15   | 8                             | 4                                     | 16  | 35  | 1                       | 35                           | 16   | 0                                  | 16                    |
| 2006 | 13   | 7                             | 4                                     | 14  | 35  | 1                       | 29                           | 14   | 0                                  | 14                    |
| 2007 | 10   | 6                             | 4                                     | 12  | 31  | 0                       | 27                           | 12   | 0                                  | 12                    |

- a. NRAs including assistance to nontradables and via inputs and other forms of non-product-specific (NPS) assistance without and (in column (5)) with decoupled support.
- b. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors (columns 8 and 9), respectively, so it excludes decoupled payments but includes all NPS support.
- c. Including NPS but excluding decoupled payments, so more than the weighted average of columns (6) and (7).

Appendix Table 11 (continued): Annual distortion estimates, **Spain**, 1956 to 2007(c) Value shares of primary production of covered<sup>a</sup> and non-covered products,

(percent)

|      | Barley | Beef | Egg | Maize | Milk | Oat | Pigmea<br>t | Potato | Poultry | Rapese<br>ed |
|------|--------|------|-----|-------|------|-----|-------------|--------|---------|--------------|
| 1956 | 7      | na   | na  | 3     | na   | 2   | 6           | na     | na      | na           |
| 1957 | 8      | na   | na  | 2     | na   | 3   | 6           | na     | na      | na           |
| 1958 | 7      | na   | na  | 2     | na   | 2   | 6           | na     | na      | na           |
| 1959 | 7      | na   | na  | 2     | na   | 2   | 6           | na     | na      | na           |
| 1960 | 8      | na   | na  | 3     | na   | 2   | 5           | na     | na      | na           |
| 1961 | 6      | na   | na  | 2     | na   | 2   | 6           | na     | na      | na           |
| 1962 | 7      | na   | na  | 3     | na   | 2   | 6           | na     | na      | na           |
| 1963 | 7      | na   | na  | 4     | na   | 2   | 8           | na     | na      | na           |
| 1964 | 6      | na   | na  | 4     | na   | 1   | 9           | na     | na      | na           |
| 1965 | 7      | na   | na  | 4     | na   | 1   | 10          | na     | na      | na           |
| 1966 | 6      | na   | na  | 3     | na   | 1   | 12          | na     | na      | na           |
| 1967 | 7      | na   | na  | 3     | na   | 1   | 14          | na     | na      | na           |
| 1968 | 8      | na   | na  | 4     | na   | 1   | 13          | na     | na      | na           |
| 1969 | 11     | na   | na  | 4     | na   | 1   | 13          | na     | na      | na           |
| 1970 | 8      | na   | na  | 5     | na   | 1   | 14          | na     | na      | na           |
| 1971 | 9      | na   | na  | 5     | na   | 1   | 13          | na     | na      | na           |
| 1972 | 11     | na   | na  | 4     | na   | 1   | 12          | na     | na      | na           |
| 1973 | 10     | na   | na  | 4     | na   | 1   | 15          | na     | na      | na           |
| 1974 | 11     | na   | na  | 4     | na   | 1   | 18          | na     | na      | na           |
| 1975 | 12     | na   | na  | 3     | na   | 1   | 16          | na     | na      | na           |
| 1976 | 11     | na   | na  | 3     | na   | 1   | 17          | na     | na      | na           |
| 1977 | 10     | na   | na  | 3     | na   | 1   | 21          | na     | na      | na           |
| 1978 | 12     | na   | na  | 3     | na   | 1   | 23          | na     | na      | na           |
| 1979 | 8      | na   | na  | 3     | na   | 1   | 28          | na     | na      | na           |
| 1980 | 13     | na   | na  | 3     | na   | 2   | 28          | na     | na      | na           |
| 1981 | 10     | na   | na  | 4     | na   | 1   | 31          | na     | na      | na           |
| 1982 | 11     | na   | na  | 3     | na   | 1   | 29          | na     | na      | na           |
| 1983 | 14     | na   | na  | 4     | na   | 1   | 14          | na     | na      | na           |
| 1984 | 21     | na   | na  | 5     | na   | 2   | 11          | na     | na      | na           |
| 1985 | 19     | na   | na  | 7     | na   | 1   | 11          | na     | na      | na           |
| 1986 | 5      | 4    | 4   | 3     | 4    | 0   | 12          | 4      | 5       | 0            |
| 1987 | 4      | 5    | 5   | 2     | 2    | 0   | 14          | 4      | 4       | 0            |
| 1988 | 8      | 5    | 4   | 3     | 5    | 1   | 12          | 3      | 5       | 0            |
| 1989 | 6      | 4    | 3   | 2     | 7    | 0   | 14          | 4      | 4       | 0            |
| 1990 | 5      | 4    | 3   | 2     | 5    | 0   | 15          | 4      | 3       | 0            |
| 1991 | 5      | 3    | 4   | 2     | 6    | 0   | 15          | 5      | 4       | 0            |
| 1992 | 3      | 5    | 3   | 2     | 6    | 0   | 20          | 3      | 3       | 0            |
| 1993 | 5      | 6    | 3   | 1     | 7    | 0   | 16          | 2      | 3       | 0            |
| 1994 | 4      | 6    | 4   | 2     | 7    | 0   | 16          | 4      | 3       | 0            |
| 1995 | 3      | 6    | 3   | 2     | 8    | 0   | 18          | 5      | 3       | 0            |
| 1996 | 7      | 4    | 3   | 3     | 6    | 0   | 16          | 2      | 3       | 0            |
| 1997 | 5      | 4    | 3   | 3     | 6    | 0   | 17          | 1      | 3       | 0            |
| 1998 | 4      | 4    | 2   | 2     | 6    | 0   | 14          | 2      | 4       | 0            |
| 1999 | 4      | 5    | 2   | 2     | 6    | 0   | 12          | 3      | 3       | 0            |
| 2000 | 6      | 4    | 3   | 2     | 6    | 0   | 14          | 1      | 3       | 0            |
| 2001 | 3      | 3    | 3   | 3     | 8    | 0   | 18          | 2      | 4       | 0            |
| 2002 | 4      | 3    | 3   | 3     | 7    | 1   | 16          | 2      | 4       | 0            |
| 2003 | 5      | 3    | 4   | 2     | 7    | 0   | 14          | 1      | 4       | 0            |
| 2004 | 5      | 4    | 3   | 2     | 7    | 0   | 15          | 2      | 3       | 0            |
| 2005 | 2      | 3    | 3   | 2     | 6    | 0   | 12          | 1      | 3       | 0            |
| 2006 | 5      | 3    | 3   | 2     | 5    | 1   | 12          | 2      | 3       | 0            |
| 2007 | 11     | 2    | 2   | 2     | 5    | 1   | 10          | 2      | 2       | 0            |

|      | Rice | Sheep<br>meat | Soybea<br>n | Sugar | Sunflo<br>wer | Tomato | Wheat | Wine | Non-<br>covere<br>d |
|------|------|---------------|-------------|-------|---------------|--------|-------|------|---------------------|
| 1956 | 2    | na            | na          | 1     | 0             | 8      | 22    | 22   | 26                  |
| 1957 | 2    | na            | na          | 2     | 0             | 9      | 25    | 18   | 26                  |
| 1958 | 3    | na            | na          | 1     | 0             | 10     | 25    | 18   | 27                  |
| 1959 | 3    | na            | na          | 1     | 0             | 11     | 23    | 20   | 26                  |
| 1960 | 3    | na            | na          | 2     | 0             | 12     | 22    | 16   | 28                  |
| 1961 | 4    | na            | na          | 2     | 0             | 14     | 17    | 19   | 27                  |
| 1962 | 3    | na            | na          | 1     | 0             | 13     | 17    | 21   | 27                  |
| 1963 | 3    | na            | na          | 2     | 0             | 12     | 16    | 20   | 26                  |
| 1964 | 3    | na            | na          | 2     | 0             | 14     | 12    | 23   | 26                  |
| 1965 | 2    | na            | na          | 1     | 0             | 13     | 15    | 20   | 28                  |
| 1966 | 3    | na            | na          | 1     | 0             | 12     | 14    | 20   | 27                  |
| 1967 | 3    | na            | na          | 1     | 0             | 11     | 16    | 15   | 27                  |
| 1968 | 3    | na            | na          | 1     | 0             | 12     | 15    | 15   | 28                  |
| 1969 | 2    | na            | na          | 1     | 0             | 12     | 13    | 14   | 28                  |
| 1970 | 1    | na            | 0           | 2     | 1             | 14     | 13    | 13   | 27                  |
| 1971 | 2    | na            | 0           | 3     | 1             | 14     | 13    | 12   | 27                  |
| 1972 | 2    | na            | 0           | 3     | 1             | 14     | 15    | 11   | 26                  |
| 1973 | 4    | na            | 0           | 4     | 1             | 13     | 13    | 11   | 24                  |
| 1974 | 2    | na            | 0           | 4     | 1             | 15     | 12    | 8    | 24                  |
| 1975 | 2    | na            | 0           | 3     | 2             | 18     | 11    | 7    | 26                  |
| 1976 | 2    | na            | 0           | 3     | 1             | 17     | 14    | 5    | 26                  |
| 1977 | 2    | na            | 0           | 1     | 1             | 18     | 13    | 4    | 26                  |
| 1978 | 1    | na            | 0           | 2     | 1             | 17     | 9     | 6    | 26                  |
| 1979 | 2    | na            | 0           | 2     | 1             | 14     | 7     | 8    | 26                  |
| 1980 | 2    | na            | 0           | 3     | 1             | 13     | 7     | 5    | 24                  |
| 1981 | 2    | na            | 0           | 2     | 1             | 14     | 5     | 5    | 25                  |
| 1982 | 1    | na            | 0           | 2     | 2             | 13     | 7     | 5    | 26                  |
| 1983 | 1    | na            | 0           | 3     | 3             | 16     | 9     | 5    | 29                  |
| 1984 | 1    | na            | 0           | 1     | 4             | 13     | 10    | 4    | 27                  |
| 1985 | 1    | na            | 0           | 1     | 3             | 14     | 8     | 5    | 29                  |
| 1986 | 1    | 3             | 0           | 1     | 2             | 11     | 4     | 17   | 20                  |
| 1987 | 1    | 3             | 0           | 1     | 2             | 11     | 4     | 17   | 21                  |
| 1988 | 1    | 2             | 0           | 1     | 2             | 10     | 5     | 11   | 21                  |
| 1989 | 0    | 2             | 0           | 1     | 1             | 12     | 5     | 15   | 19                  |
| 1990 | 0    | 2             | 0           | 1     | 2             | 13     | 3     | 19   | 19                  |
| 1991 | 1    | 2             | 0           | 1     | 1             | 12     | 3     | 16   | 21                  |
| 1992 | 1    | 2             | 0           | 1     | 2             | 10     | 3     | 17   | 19                  |
| 1993 | 0    | 4             | 0           | 1     | 2             | 11     | 3     | 15   | 20                  |
| 1994 | 0    | 4             | 0           | 1     | 2             | 13     | 3     | 12   | 20                  |
| 1995 | 0    | 3             | 0           | 1     | 1             | 11     | 3     | 13   | 20                  |
| 1996 | 1    | 3             | 0           | 1     | 1             | 11     | 5     | 15   | 19                  |
| 1997 | 1    | 4             | 0           | 1     | 2             | 11     | 3     | 18   | 18                  |
| 1998 | 1    | 3             | 0           | 1     | 2             | 13     | 3     | 18   | 19                  |
| 1999 | 1    | 4             | 0           | 1     | 1             | 14     | 3     | 20   | 19                  |
| 2000 | 1    | 3             | 0           | 1     | 1             | 12     | 4     | 20   | 18                  |
| 2001 | 1    | 3             | 0           | 1     | 1             | 12     | 3     | 16   | 19                  |
| 2002 | 1    | 4             | 0           | 1     | 1             | 13     | 4     | 16   | 19                  |
| 2003 | 1    | 4             | 0           | 0     | 1             | 13     | 4     | 16   | 21                  |
| 2004 | 1    | 4             | 0           | 0     | 1             | 11     | 4     | 17   | 20                  |
| 2005 | 1    | 3             | 0           | 0     | 0             | 14     | 2     | 24   | 24                  |
| 2006 | 1    | 3             | 0           | 0     | 1             | 11     | 3     | 24   | 24                  |
| 2007 | 1    | 2             | 0           | 0     | 1             | 10     | 6     | 19   | 24                  |

a. At farmgate undistorted prices

Appendix Table 11 (continued): Annual distortion estimates, **Spain**, 1956 to 2007  
(d) Trade status of covered products<sup>a</sup>

[illegible]

|      | Rice | Sheep<br>meat | Soybe<br>an | Sugar | Sunflo<br>wer | Tomat<br>o | Wheat | Wine |
|------|------|---------------|-------------|-------|---------------|------------|-------|------|
| 1956 | X    | na            | na          | M     | M             | X          | M     | X    |
| 1957 | X    | na            | na          | M     | M             | X          | M     | X    |
| 1958 | X    | na            | na          | M     | M             | X          | M     | X    |
| 1959 | X    | na            | na          | M     | M             | X          | M     | X    |
| 1960 | X    | na            | na          | M     | M             | X          | M     | X    |
| 1961 | X    | na            | na          | M     | M             | X          | M     | X    |
| 1962 | X    | na            | na          | M     | M             | X          | M     | X    |
| 1963 | X    | na            | na          | M     | M             | X          | M     | X    |
| 1964 | X    | na            | na          | M     | M             | X          | M     | X    |
| 1965 | X    | na            | na          | M     | M             | X          | M     | X    |
| 1966 | X    | na            | na          | M     | M             | X          | M     | X    |
| 1967 | X    | na            | na          | M     | M             | X          | M     | X    |
| 1968 | X    | na            | na          | M     | M             | X          | M     | X    |
| 1969 | X    | na            | na          | M     | M             | X          | M     | X    |
| 1970 | X    | na            | M           | M     | M             | X          | M     | X    |
| 1971 | X    | na            | M           | M     | M             | X          | M     | X    |
| 1972 | X    | na            | M           | M     | M             | X          | M     | X    |
| 1973 | X    | na            | M           | M     | M             | X          | M     | X    |
| 1974 | X    | na            | M           | M     | M             | X          | M     | X    |
| 1975 | X    | na            | M           | M     | M             | X          | M     | X    |
| 1976 | X    | na            | M           | M     | M             | X          | M     | X    |
| 1977 | X    | na            | M           | M     | M             | X          | M     | X    |
| 1978 | X    | na            | M           | M     | M             | X          | M     | X    |
| 1979 | X    | na            | M           | M     | M             | X          | M     | X    |
| 1980 | X    | na            | M           | M     | M             | X          | M     | X    |
| 1981 | X    | na            | M           | M     | M             | X          | M     | X    |
| 1982 | X    | na            | M           | M     | M             | X          | M     | X    |
| 1983 | X    | na            | M           | M     | M             | X          | M     | X    |
| 1984 | X    | na            | M           | M     | M             | X          | M     | X    |
| 1985 | X    | na            | M           | M     | M             | X          | M     | X    |
| 1986 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1987 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1988 | X    | M             | M           | M     | M             | M          | M     | X    |
| 1989 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1990 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1991 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1992 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1993 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1994 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1995 | X    | M             | M           | M     | M             | X          | M     | X    |
| 1996 | X    | M             | M           | M     | M             | X          | X     | X    |
| 1997 | X    | M             | M           | M     | M             | X          | X     | X    |
| 1998 | X    | M             | M           | M     | M             | X          | X     | X    |
| 1999 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2000 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2001 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2002 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2003 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2004 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2005 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2006 | X    | M             | M           | M     | M             | X          | X     | X    |
| 2007 | X    | M             | M           | M     | M             | X          | X     | X    |

a. Exportables (X), import-competing products (M) and nontradables (H).

Source: Anderson and Valenzuela (2008), based on author's spreadsheet

Appendix Table 12: Annual distortion estimates, **Sweden**, 1956 to 2007

(a) Nominal rates of assistance to covered products

(percent)

|      | Barle<br>y | Beef | Egg | Milk | Oat | Pigm<br>eat | Potat<br>o | Poult<br>ry | Rape<br>seed | Shee<br>pmea<br>t | Suga<br>r | Whe<br>at | All<br>cover<br>ed |
|------|------------|------|-----|------|-----|-------------|------------|-------------|--------------|-------------------|-----------|-----------|--------------------|
| 1956 | 17         | 83   | na  | 269  | -17 | 69          | 46         | 33          | 26           | 65                | 97        | 10        | 77                 |
| 1957 | 34         | 121  | na  | 335  | -18 | 61          | 131        | 33          | 27           | 65                | 65        | 18        | 102                |
| 1958 | 54         | 118  | na  | 225  | 10  | 54          | 204        | 33          | 27           | 65                | 92        | 15        | 100                |
| 1959 | 44         | 120  | na  | 324  | 42  | 49          | 220        | 33          | 24           | 65                | 104       | 14        | 115                |
| 1960 | 43         | 168  | na  | 265  | 21  | 40          | 65         | 33          | 23           | 65                | 101       | 25        | 96                 |
| 1961 | 68         | 167  | na  | 401  | 29  | 62          | 250        | 33          | 21           | 65                | 108       | 33        | 131                |
| 1962 | 66         | 174  | na  | 462  | 43  | 109         | 223        | 33          | 20           | 65                | 104       | 83        | 155                |
| 1963 | 70         | 131  | na  | 354  | 37  | 114         | 289        | 33          | 19           | 65                | 38        | 80        | 144                |
| 1964 | 64         | 86   | na  | 297  | 55  | 96          | 329        | 33          | 19           | 65                | 55        | 65        | 121                |
| 1965 | 60         | 64   | na  | 381  | 54  | 133         | 286        | 33          | 17           | 65                | 142       | 82        | 132                |
| 1966 | 57         | 61   | na  | 377  | 52  | 157         | 270        | 33          | 16           | 65                | 166       | 72        | 138                |
| 1967 | 74         | 78   | na  | 404  | 65  | 133         | 281        | 33          | 16           | 65                | 130       | 63        | 132                |
| 1968 | 91         | 108  | na  | 457  | 77  | 139         | 276        | 33          | 17           | 65                | 99        | 66        | 147                |
| 1969 | 64         | 112  | na  | 430  | 50  | 154         | 282        | 33          | 16           | 65                | 83        | 64        | 141                |
| 1970 | 36         | 105  | na  | 417  | 25  | 160         | 218        | 33          | 16           | 65                | 59        | 5         | 111                |
| 1971 | 69         | 109  | na  | 454  | 20  | 152         | 208        | 33          | 15           | 65                | 42        | 33        | 121                |
| 1972 | 19         | 116  | na  | 448  | 9   | 121         | 184        | 33          | 13           | 65                | 34        | -12       | 94                 |
| 1973 | -2         | 65   | na  | 356  | -11 | 106         | 136        | 33          | 10           | 65                | 18        | -36       | 60                 |
| 1974 | -8         | 30   | na  | 349  | -15 | 92          | 126        | 33          | 8            | 65                | 10        | -33       | 42                 |
| 1975 | 24         | 43   | na  | 406  | 20  | 79          | 135        | 33          | 9            | 65                | 23        | -9        | 74                 |
| 1976 | 17         | 62   | na  | 554  | 2   | 132         | 159        | 33          | 9            | 65                | 34        | -18       | 82                 |
| 1977 | 53         | 45   | na  | 885  | 21  | 87          | 129        | 33          | 8            | 65                | 48        | -26       | 89                 |
| 1978 | 37         | 48   | na  | 749  | 53  | 127         | 122        | 33          | 9            | 65                | 42        | 3         | 112                |
| 1979 | 53         | 33   | na  | 667  | 62  | 168         | 111        | 33          | 9            | 65                | 20        | 14        | 119                |
| 1980 | 6          | 28   | na  | 633  | -34 | 121         | 97         | 33          | 10           | 65                | 12        | 28        | 74                 |
| 1981 | 8          | 45   | na  | 401  | -1  | 165         | 138        | 33          | 8            | 65                | 21        | 39        | 83                 |
| 1982 | 3          | 63   | na  | 371  | 22  | 165         | 144        | 33          | 8            | 65                | 29        | 45        | 92                 |
| 1983 | 17         | 299  | na  | 345  | -10 | 157         | 68         | 33          | 8            | 65                | 26        | 15        | 103                |
| 1984 | 5          | 315  | na  | 363  | -5  | 107         | 86         | 33          | 5            | 65                | 35        | 23        | 82                 |
| 1985 | 29         | 334  | na  | 334  | 3   | 47          | 82         | 33          | 6            | 65                | 35        | 47        | 88                 |
| 1986 | 163        | 52   | 69  | 267  | 87  | 35          | 95         | 33          | 11           | 65                | 254       | 134       | 115                |
| 1987 | 223        | 76   | 58  | 213  | 54  | 52          | 68         | 45          | 17           | 187               | 227       | 144       | 117                |
| 1988 | 97         | 103  | 87  | 167  | 17  | 32          | 76         | 53          | 12           | 177               | 127       | 85        | 91                 |
| 1989 | 70         | 89   | 86  | 150  | 36  | 26          | 53         | 51          | 12           | 173               | 97        | 65        | 78                 |
| 1990 | 105        | 78   | 82  | 218  | 63  | 27          | 66         | 35          | 141          | 165               | 143       | 129       | 103                |
| 1991 | 121        | 172  | 177 | 230  | 44  | 35          | 73         | 32          | 136          | 210               | 219       | 147       | 121                |
| 1992 | 108        | 112  | 154 | 176  | 47  | 38          | 99         | 21          | 131          | 98                | 160       | 75        | 103                |
| 1993 | 74         | 102  | 173 | 146  | 2   | 52          | 44         | 13          | 51           | 54                | 102       | 40        | 81                 |
| 1994 | 102        | 75   | 351 | 144  | 39  | 26          | 70         | 11          | 115          | 59                | 125       | 41        | 83                 |
| 1995 | 41         | 69   | 12  | 79   | 40  | 16          | 15         | 129         | 0            | 77                | 119       | 16        | 46                 |
| 1996 | 2          | 68   | 5   | 70   | 34  | 16          | 14         | 77          | 0            | 45                | 140       | 0         | 36                 |
| 1997 | 7          | 117  | 1   | 78   | 25  | 13          | 12         | 55          | 0            | 27                | 147       | 0         | 40                 |
| 1998 | 64         | 121  | 11  | 100  | 50  | 22          | 11         | 51          | 0            | 38                | 186       | 26        | 61                 |
| 1999 | 44         | 125  | 16  | 106  | 84  | 57          | 11         | 90          | 0            | 37                | 245       | 37        | 76                 |
| 2000 | 3          | 113  | 3   | 57   | 59  | 32          | 10         | 57          | 1            | 26                | 176       | 11        | 45                 |
| 2001 | 0          | 140  | 0   | 40   | 29  | 24          | 10         | 52          | 0            | 48                | 138       | 4         | 35                 |
| 2002 | 0          | 157  | 0   | 75   | 0   | 24          | 10         | 56          | 0            | 35                | 161       | 0         | 44                 |
| 2003 | 1          | 157  | 0   | 70   | 1   | 33          | 10         | 54          | 0            | 46                | 240       | 2         | 45                 |
| 2004 | 1          | 92   | 0   | 62   | 23  | 27          | 10         | 101         | 0            | 33                | 238       | 2         | 40                 |
| 2005 | 0          | 109  | 0   | 33   | 24  | 19          | 10         | 69          | 0            | 54                | 168       | 0         | 25                 |
| 2006 | 0          | 81   | 0   | 24   | 0   | 14          | 10         | 42          | 0            | 74                | 62        | 0         | 19                 |
| 2007 | 0          | 66   | 0   | 0    | 0   | 17          | 10         | 99          | 0            | 68                | 99        | 0         | 10                 |



Appendix Table 12 (continued): Annual distortion estimates, **Sweden**, 1956 to 2007

(b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup> and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural industries (percent)

|      | NRA, all agric products, <sup>a</sup> by component |                               |                                       |   |   | NRA, agric tradables    |                              |  | NRA, all non-ag tradable goods (9) | RRR <sup>b</sup> (10) |
|------|--|-------------------------------|---------------------------------------|---|---|-------------------------|------------------------------|--|------------------------------------|-----------------------|
|      | NRA, covered products (1)                          | NRA, non-covered products (2) | NRA, non-product-specific support (3) | NRA, all ag products (incl NPS and decoupled) (4)=1+2+3 (5) | NRA, all ag products (incl NPS and decoupled) (5) | NRA, ag exportables (6) | NRA, ag import-competing (7) | NRA, all agric tradable goods <sup>c</sup> (8)=6+7 |                                    |                       |
| 1956 | 77   | 40                            | na                                    | 68  | 68  | 19                      | 126                          | 68   | 2                                  | 64                    |
| 1957 | 102  | 55                            | na                                    | 90  | 90  | 25                      | 170                          | 90   | 2                                  | 86                    |
| 1958 | 100  | 51                            | na                                    | 87  | 87  | 30                      | 154                          | 87   | 3                                  | 83                    |
| 1959 | 115  | 62                            | na                                    | 101   | 101   | 35                      | 186                          | 101  | 3                                  | 96                    |
| 1960 | 96   | 50                            | na                                    | 85  | 85  | 29                      | 153                          | 85   | 3                                  | 80                    |
| 1961 | 131  | 75                            | na                                    | 117   | 117   | 41                      | 226                          | 117  | 3                                  | 111                   |
| 1962 | 155  | 83                            | na                                    | 136   | 136   | 63                      | 232                          | 136  | 3                                  | 130                   |
| 1963 | 144  | 70                            | na                                    | 124   | 124   | 63                      | 192                          | 124  | 2                                  | 118                   |
| 1964 | 121  | 63                            | na                                    | 106   | 106   | 59                      | 168                          | 106  | 2                                  | 101                   |
| 1965 | 132  | 68                            | na                                    | 115   | 115   | 65                      | 180                          | 115  | 2                                  | 110                   |
| 1966 | 138  | 66                            | na                                    | 119   | 119   | 73                      | 169                          | 119  | 2                                  | 114                   |
| 1967 | 132  | 68                            | na                                    | 115   | 115   | 68                      | 178                          | 115  | 2                                  | 111                   |
| 1968 | 147  | 77                            | na                                    | 129   | 129   | 75                      | 202                          | 129  | 2                                  | 125                   |
| 1969 | 141  | 72                            | na                                    | 123   | 123   | 69                      | 192                          | 123  | 2                                  | 119                   |
| 1970 | 111  | 61                            | na                                    | 98  | 98  | 46                      | 174                          | 98   | 1                                  | 95                    |
| 1971 | 121  | 68                            | na                                    | 107   | 107   | 54                      | 187                          | 107  | 1                                  | 104                   |
| 1972 | 94   | 62                            | na                                    | 86  | 86  | 27                      | 188                          | 86   | 1                                  | 84                    |
| 1973 | 60   | 40                            | na                                    | 55  | 55  | 8                       | 133                          | 55   | 1                                  | 53                    |
| 1974 | 42   | 28                            | na                                    | 39  | 39  | 1                       | 99                           | 39   | 1                                  | 38                    |
| 1975 | 74   | 43                            | na                                    | 67  | 67  | 24                      | 131                          | 67   | 1                                  | 65                    |
| 1976 | 82   | 53                            | na                                    | 75  | 75  | 21                      | 168                          | 75   | 1                                  | 74                    |
| 1977 | 89   | 57                            | na                                    | 81  | 81  | 25                      | 176                          | 81   | 1                                  | 80                    |
| 1978 | 112  | 60                            | na                                    | 99  | 99  | 47                      | 171                          | 99   | 0                                  | 98                    |
| 1979 | 119  | 57                            | na                                    | 103   | 103   | 64                      | 146                          | 103  | 0                                  | 102                   |
| 1980 | 74   | 41                            | na                                    | 66  | 66  | 20                      | 130                          | 66   | 0                                  | 65                    |
| 1981 | 83   | 46                            | na                                    | 74  | 74  | 33                      | 133                          | 74   | 0                                  | 73                    |
| 1982 | 92   | 51                            | na                                    | 82  | 82  | 39                      | 146                          | 82   | 0                                  | 81                    |
| 1983 | 103  | 66                            | na                                    | 94  | 94  | 33                      | 202                          | 94   | 0                                  | 93                    |
| 1984 | 82   | 64                            | na                                    | 78  | 78  | 21                      | 201                          | 78   | 0                                  | 77                    |
| 1985 | 88   | 64                            | na                                    | 82  | 82  | 25                      | 199                          | 82   | 0                                  | 82                    |
| 1986 | 115  | 78                            | 0                                     | 108   | 108   | 109                     | 105                          | 108  | 0                                  | 108                   |
| 1987 | 117  | 76                            | 1                                     | 110   | 110   | 108                     | 113                          | 110  | 0                                  | 109                   |
| 1988 | 91   | 43                            | 1                                     | 82  | 82  | 84                      | 63                           | 82   | 1                                  | 81                    |
| 1989 | 78   | 23                            | 2                                     | 68  | 68  | 71                      | 37                           | 68   | 0                                  | 67                    |
| 1990 | 103  | 39                            | 5                                     | 91  | 91  | 93                      | 56                           | 91   | 0                                  | 91                    |
| 1991 | 121  | 61                            | 9                                     | 113   | 113   | 102                     | 110                          | 113  | 0                                  | 112                   |
| 1992 | 103  | 51                            | 5                                     | 95  | 95  | 88                      | 94                           | 95   | 1                                  | 93                    |
| 1993 | 81   | 48                            | 2                                     | 75  | 75  | 70                      | 79                           | 75   | 1                                  | 73                    |
| 1994 | 83   | 0                             | 2                                     | 65  | 65  | 88                      | 69                           | 65   | 1                                  | 63                    |
| 1995 | 46   | 0                             | 5                                     | 40  | 56  | na                      | 46                           | 40   | 1                                  | 39                    |
| 1996 | 36   | 17                            | 4                                     | 35  | 51  | 8                       | 42                           | 35   | 1                                  | 34                    |
| 1997 | 40   | 20                            | 4                                     | 40  | 56  | 11                      | 46                           | 40   | 1                                  | 39                    |
| 1998 | 61   | 30                            | 4                                     | 58  | 74  | 27                      | 61                           | 58   | 1                                  | 56                    |
| 1999 | 76   | 38                            | 4                                     | 70  | 87  | 34                      | 74                           | 70   | 1                                  | 69                    |
| 2000 | 45   | 23                            | 3                                     | 43  | 61  | 11                      | 54                           | 43   | 1                                  | 42                    |
| 2001 | 35   | 18                            | 4                                     | 35  | 52  | 7                       | 42                           | 35   | 1                                  | 34                    |
| 2002 | 44   | 21                            | 5                                     | 43  | 61  | 8                       | 54                           | 43   | 1                                  | 42                    |
| 2003 | 45   | 23                            | 5                                     | 44  | 64  | 8                       | 57                           | 44   | 1                                  | 43                    |
| 2004 | 40   | 19                            | 4                                     | 39  | 57  | 7                       | 50                           | 39   | 1                                  | 38                    |
| 2005 | 25   | 13                            | 4                                     | 24  | 42  | 0                       | 38                           | 24   | 1                                  | 23                    |
| 2006 | 19   | 9                             | 4                                     | 19  | 40  | 0                       | 25                           | 19   | 1                                  | 18                    |
| 2007 | 10   | 5                             | 4                                     | 12  | 30  | 0                       | 17                           | 12   | 1                                  | 11                    |

- a. NRAs including assistance to nontradables and via inputs and other forms of non-product-specific (NPS) assistance without and (in column (5)) with decoupled support.
- b. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors (columns 8 and 9), respectively, so it excludes decoupled payments but includes all NPS support.
- c. Including NPS but excluding decoupled payments, so more than the weighted average of columns (6) and (7).

Appendix Table 12 (continued): Annual distortion estimates, **Sweden**, 1956 to 2007  
(c) Value shares of primary production of covered<sup>a</sup> and non-covered products,  
(percent)

|      | Barle<br>y | Beef | Egg | Milk | Oat | Pigm<br>eat | Potat<br>o | Poult<br>ry | Rape<br>seed | Shee<br>pmea<br>t | Suga<br>r | Whe<br>at | Non-<br>cover<br>ed |
|------|------------|------|-----|------|-----|-------------|------------|-------------|--------------|-------------------|-----------|-----------|---------------------|
| 1956 | 6          | 8    | na  | 13   | 12  | 13          | 9          | 1           | 0            | 0                 | 2         | 10        | 25                  |
| 1957 | 5          | 8    | na  | 13   | 9   | 16          | 7          | 1           | 3            | 0                 | 3         | 8         | 25                  |
| 1958 | 5          | 8    | na  | 15   | 9   | 17          | 6          | 1           | 3            | 0                 | 2         | 8         | 26                  |
| 1959 | 6          | 9    | na  | 13   | 9   | 20          | 5          | 1           | 2            | 0                 | 2         | 7         | 26                  |
| 1960 | 6          | 7    | na  | 15   | 8   | 18          | 8          | 1           | 3            | 0                 | 1         | 9         | 25                  |
| 1961 | 7          | 7    | na  | 11   | 12  | 16          | 6          | 2           | 3            | 0                 | 2         | 9         | 25                  |
| 1962 | 8          | 9    | na  | 10   | 11  | 13          | 7          | 2           | 3            | 0                 | 1         | 8         | 26                  |
| 1963 | 9          | 10   | na  | 11   | 10  | 12          | 7          | 2           | 2            | 0                 | 3         | 6         | 27                  |
| 1964 | 10         | 10   | na  | 12   | 10  | 12          | 4          | 1           | 3            | 0                 | 2         | 8         | 26                  |
| 1965 | 11         | 12   | na  | 11   | 10  | 10          | 5          | 1           | 5            | 0                 | 1         | 8         | 26                  |
| 1966 | 11         | 16   | na  | 12   | 9   | 11          | 5          | 2           | 2            | 0                 | 1         | 5         | 27                  |
| 1967 | 10         | 13   | na  | 10   | 10  | 10          | 4          | 2           | 5            | 0                 | 1         | 9         | 26                  |
| 1968 | 10         | 12   | na  | 9    | 10  | 11          | 5          | 2           | 5            | 0                 | 1         | 8         | 26                  |
| 1969 | 12         | 14   | na  | 10   | 8   | 11          | 3          | 2           | 4            | 0                 | 1         | 7         | 26                  |
| 1970 | 13         | 12   | na  | 8    | 11  | 10          | 5          | 1           | 4            | 0                 | 2         | 9         | 25                  |
| 1971 | 12         | 11   | na  | 9    | 13  | 10          | 4          | 1           | 5            | 0                 | 2         | 7         | 25                  |
| 1972 | 13         | 9    | na  | 8    | 11  | 10          | 4          | 1           | 6            | 0                 | 3         | 11        | 24                  |
| 1973 | 12         | 10   | na  | 8    | 8   | 10          | 3          | 1           | 6            | 0                 | 4         | 14        | 23                  |
| 1974 | 13         | 11   | na  | 7    | 9   | 8           | 3          | 1           | 6            | 0                 | 6         | 14        | 22                  |
| 1975 | 11         | 13   | na  | 8    | 8   | 12          | 3          | 1           | 6            | 0                 | 3         | 12        | 24                  |
| 1976 | 12         | 12   | na  | 7    | 9   | 10          | 3          | 1           | 4            | 0                 | 2         | 18        | 23                  |
| 1977 | 9          | 14   | na  | 5    | 8   | 13          | 4          | 1           | 5            | 0                 | 1         | 16        | 23                  |
| 1978 | 12         | 15   | na  | 6    | 7   | 12          | 5          | 2           | 5            | 0                 | 2         | 9         | 25                  |
| 1979 | 11         | 17   | na  | 7    | 7   | 11          | 5          | 2           | 4            | 0                 | 3         | 7         | 26                  |
| 1980 | 12         | 15   | na  | 6    | 14  | 10          | 4          | 1           | 4            | 0                 | 4         | 6         | 24                  |
| 1981 | 16         | 13   | na  | 8    | 13  | 8           | 3          | 1           | 4            | 0                 | 2         | 6         | 24                  |
| 1982 | 17         | 12   | na  | 10   | 10  | 9           | 3          | 1           | 5            | 0                 | 2         | 8         | 24                  |
| 1983 | 14         | 5    | na  | 12   | 11  | 10          | 4          | 2           | 5            | 0                 | 2         | 13        | 24                  |
| 1984 | 18         | 4    | na  | 9    | 13  | 10          | 5          | 1           | 7            | 0                 | 1         | 10        | 22                  |
| 1985 | 14         | 4    | na  | 10   | 12  | 15          | 4          | 1           | 6            | 0                 | 1         | 8         | 23                  |
| 1986 | 6          | 13   | 4   | 17   | 5   | 19          | 4          | 2           | 3            | 0                 | 2         | 6         | 18                  |
| 1987 | 4          | 12   | 4   | 21   | 6   | 18          | 4          | 2           | 2            | 0                 | 1         | 6         | 19                  |
| 1988 | 6          | 10   | 3   | 21   | 7   | 17          | 4          | 1           | 2            | 0                 | 2         | 5         | 21                  |
| 1989 | 7          | 9    | 3   | 19   | 6   | 16          | 4          | 2           | 3            | 0                 | 2         | 7         | 22                  |
| 1990 | 6          | 10   | 3   | 15   | 6   | 16          | 6          | 2           | 3            | 0                 | 2         | 7         | 25                  |
| 1991 | 6          | 7    | 2   | 16   | 7   | 18          | 6          | 3           | 2            | 0                 | 1         | 4         | 28                  |
| 1992 | 4          | 10   | 2   | 20   | 4   | 17          | 5          | 3           | 2            | 0                 | 2         | 6         | 26                  |
| 1993 | 5          | 9    | 2   | 19   | 6   | 14          | 4          | 3           | 3            | 0                 | 2         | 7         | 25                  |
| 1994 | 11         | 9    | 1   | 18   | 5   | 16          | 5          | 3           | 1            | 0                 | 2         | 5         | 24                  |
| 1995 | 9          | 7    | 3   | 20   | 4   | 14          | 4          | 2           | 1            | 0                 | 2         | 10        | 24                  |
| 1996 | 9          | 7    | 3   | 20   | 4   | 14          | 4          | 2           | 1            | 0                 | 2         | 10        | 23                  |
| 1997 | 8          | 6    | 3   | 20   | 4   | 16          | 3          | 2           | 1            | 0                 | 2         | 9         | 24                  |
| 1998 | 5          | 7    | 3   | 21   | 4   | 13          | 7          | 3           | 1            | 0                 | 2         | 9         | 25                  |
| 1999 | 7          | 8    | 3   | 23   | 3   | 10          | 7          | 2           | 1            | 0                 | 2         | 7         | 26                  |
| 2000 | 7          | 7    | 4   | 25   | 3   | 11          | 3          | 2           | 1            | 0                 | 2         | 10        | 24                  |
| 2001 | 7          | 5    | 3   | 27   | 3   | 13          | 4          | 3           | 1            | 0                 | 2         | 10        | 24                  |
| 2002 | 7          | 5    | 4   | 22   | 6   | 12          | 4          | 3           | 2            | 0                 | 2         | 9         | 24                  |
| 2003 | 7          | 5    | 4   | 23   | 4   | 11          | 4          | 3           | 1            | 0                 | 1         | 11        | 25                  |
| 2004 | 7          | 6    | 3   | 24   | 3   | 11          | 5          | 2           | 2            | 0                 | 1         | 11        | 24                  |
| 2005 | 9          | 7    | 5   | 13   | 3   | 14          | 5          | 3           | 2            | 1                 | 1         | 13        | 24                  |
| 2006 | 6          | 5    | 4   | 23   | 4   | 11          | 5          | 2           | 3            | 0                 | 2         | 11        | 24                  |
| 2007 | 11         | 4    | 3   | 17   | 5   | 8           | 5          | 2           | 3            | 0                 | 1         | 18        | 24                  |

a. At farmgate undistorted prices

Appendix Table 12 (continued): Annual distortion estimates, **Sweden**, 1956 to 2007  
 (d) Trade status of covered products<sup>a</sup>

|      | Barle<br>y | Beef | Egg | Milk | Oat | Pigm<br>eat | Potat<br>o | Poult<br>ry | Rape<br>seed | Shee<br>pmea<br>t | Sugar | Whea<br>t |
|------|------------|------|-----|------|-----|-------------|------------|-------------|--------------|-------------------|-------|-----------|
| 1956 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1957 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1958 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1959 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1960 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1961 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1962 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1963 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1964 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1965 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1966 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1967 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1968 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1969 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1970 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1971 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1972 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1973 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1974 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1975 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1976 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1977 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1978 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1979 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1980 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1981 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1982 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1983 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1984 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1985 | X          | M    | na  | M    | X   | X           | M          | M           | X            | M                 | M     | X         |
| 1986 | X          | X    | X   | X    | X   | X           | M          | X           | X            | M                 | X     | X         |
| 1987 | X          | X    | X   | X    | X   | X           | M          | X           | X            | M                 | M     | X         |
| 1988 | X          | X    | X   | X    | X   | X           | M          | X           | X            | M                 | X     | X         |
| 1989 | X          | X    | X   | X    | X   | X           | M          | X           | X            | M                 | X     | X         |
| 1990 | X          | X    | X   | X    | X   | X           | M          | X           | X            | M                 | X     | X         |
| 1991 | X          | M    | X   | X    | X   | X           | M          | X           | X            | M                 | M     | X         |
| 1992 | X          | M    | X   | X    | X   | X           | M          | X           | X            | M                 | M     | M         |
| 1993 | X          | M    | X   | X    | X   | X           | M          | X           | X            | M                 | X     | X         |
| 1994 | X          | M    | X   | X    | X   | X           | M          | X           | X            | M                 | M     | M         |
| 1995 | M          | M    | M   | M    | M   | M           | M          | M           | M            | M                 | M     | M         |
| 1996 | X          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X         |
| 1997 | X          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X         |
| 1998 | M          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X         |
| 1999 | M          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X         |
| 2000 | X          | M    | X   | M    | M   | M           | M          | M           | X            | M                 | M     | X         |
| 2001 | X          | M    | X   | M    | M   | M           | M          | M           | M            | M                 | M     | X         |
| 2002 | X          | M    | X   | M    | M   | M           | M          | M           | X            | M                 | M     | X         |
| 2003 | X          | M    | X   | M    | M   | M           | M          | M           | X            | M                 | M     | X         |
| 2004 | X          | M    | X   | M    | M   | M           | M          | M           | X            | M                 | M     | X         |
| 2005 | X          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X         |
| 2006 | X          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X         |
| 2007 | X          | M    | M   | M    | M   | M           | M          | M           | X            | M                 | M     | X         |

a. Exportables (X), import-competing products (M) and nontradables (H).

Source: Anderson and Valenzuela (2008), based on author's spreadsheet

Appendix Table 13: Annual distortion estimates, **Switzerland**, 1956 to 2007

(a) Nominal rates of assistance to covered products

(percent)

|      | Barle<br>y | Beef | Egg | Maiz<br>e | Milk | Oat | Oilse<br>ed | Pigm<br>eat | Poult<br>ry | Shee<br>pmea<br>t | Suga<br>r | Whe<br>at | All<br>cove<br>red |
|------|------------|------|-----|-----------|------|-----|-------------|-------------|-------------|-------------------|-----------|-----------|--------------------|
| 1956 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 255                |
| 1957 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 256                |
| 1958 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 256                |
| 1959 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 256                |
| 1960 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 255                |
| 1961 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 253                |
| 1962 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 256                |
| 1963 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 253                |
| 1964 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 253                |
| 1965 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 251                |
| 1966 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 251                |
| 1967 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 251                |
| 1968 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 249                |
| 1969 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 246                |
| 1970 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 246                |
| 1971 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 244                |
| 1972 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 244                |
| 1973 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 241                |
| 1974 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 242                |
| 1975 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 240                |
| 1976 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 242                |
| 1977 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 240                |
| 1978 | na         | 252  | 285 | 156       | 295  | na  | na          | 160         | 334         | 124               | 384       | 296       | 241                |
| 1979 | 405        | 252  | 285 | 156       | 295  | 444 | 481         | 160         | 334         | 124               | 384       | 296       | 237                |
| 1980 | 303        | 202  | 232 | 137       | 243  | 296 | 542         | 160         | 309         | 120               | 230       | 222       | 204                |
| 1981 | 256        | 230  | 234 | 89        | 169  | 199 | 499         | 160         | 347         | 75                | 102       | 175       | 178                |
| 1982 | 305        | 287  | 293 | 137       | 166  | 268 | 597         | 160         | 369         | 133               | 194       | 240       | 194                |
| 1983 | 422        | 369  | 351 | 131       | 228  | 418 | 589         | 160         | 420         | 181               | 339       | 273       | 234                |
| 1984 | 292        | 398  | 310 | 102       | 257  | 270 | 275         | 160         | 409         | 168               | 414       | 209       | 242                |
| 1985 | 384        | 423  | 329 | 134       | 437  | 313 | 423         | 160         | 398         | 164               | 472       | 254       | 298                |
| 1986 | 1092       | 454  | 554 | 192       | 712  | na  | 440         | 160         | 578         | 305               | 334       | 278       | 398                |
| 1987 | 1770       | 314  | 469 | 249       | 795  | na  | 746         | 218         | 702         | 476               | 365       | 315       | 419                |
| 1988 | 1148       | 242  | 599 | 297       | 826  | na  | 499         | 260         | 604         | 545               | 353       | 312       | 432                |
| 1989 | 609        | 236  | 502 | 217       | 248  | na  | 452         | 141         | 529         | 464               | 283       | 218       | 230                |
| 1990 | 605        | 329  | 441 | 194       | 548  | na  | 646         | 206         | 596         | 524               | 213       | 248       | 349                |
| 1991 | 1057       | 473  | 432 | 201       | 418  | na  | 639         | 245         | 536         | 485               | 271       | 248       | 367                |
| 1992 | 609        | 191  | 513 | 154       | 264  | na  | 616         | 115         | 591         | 399               | 345       | 264       | 224                |
| 1993 | 520        | 209  | 457 | 175       | 385  | na  | 432         | 207         | 600         | 251               | 321       | 282       | 299                |
| 1994 | 579        | 295  | 460 | 118       | 319  | na  | 321         | 225         | 613         | 262               | 323       | 267       | 292                |
| 1995 | 617        | 191  | 574 | 130       | 153  | na  | 397         | 154         | 643         | 368               | 277       | 283       | 184                |
| 1996 | 274        | 100  | 377 | 92        | 271  | na  | 353         | 157         | 499         | 178               | 244       | 153       | 201                |
| 1997 | na         | 129  | 393 | 116       | 252  | na  | 277         | 140         | 388         | 132               | 231       | 196       | 201                |
| 1998 | na         | 134  | 422 | 151       | 256  | na  | 259         | 210         | 459         | 183               | 195       | 230       | 225                |
| 1999 | na         | 120  | 463 | 131       | 270  | na  | 385         | 278         | 492         | 173               | 217       | 206       | 239                |
| 2000 | na         | 221  | 292 | 92        | 197  | na  | 322         | 187         | 463         | 147               | 280       | 143       | 198                |
| 2001 | na         | 194  | 283 | 58        | 174  | na  | 259         | 138         | 409         | 147               | 229       | 56        | 161                |
| 2002 | na         | 147  | 237 | 101       | 233  | na  | 253         | 181         | 527         | 117               | 225       | 81        | 198                |
| 2003 | na         | 126  | 178 | 117       | 160  | na  | 232         | 214         | 534         | 92                | 263       | 67        | 166                |
| 2004 | na         | 172  | 263 | 78        | 122  | na  | 234         | 182         | 581         | 65                | 279       | 48        | 142                |
| 2005 | na         | 156  | 287 | 91        | 131  | na  | 287         | 131         | 464         | 37                | 251       | 48        | 136                |
| 2006 | na         | 176  | 261 | 78        | 57   | na  | na          | 118         | 492         | 71                | 145       | 64        | 98                 |
| 2007 | na         | 69   | 202 | 22        | 14   | na  | na          | 82          | 376         | 70                | 124       | 34        | 44                 |

Appendix Table 13 (continued): Annual distortion estimates, **Switzerland**, 1956 to 2007  
(b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup> and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural industries  
(percent)

|      | NRA, all agric products, <sup>a</sup> by component |                               |                                       |   |   | NRA, agric tradables    |                              |  | NRA, all non-ag tradable goods (9) | RRA <sup>b</sup> (10) |
|------|--|-------------------------------|---------------------------------------|---|---|-------------------------|------------------------------|--|------------------------------------|-----------------------|
|      | NRA, covered products (1)                          | NRA, non-covered products (2) | NRA, non-product-specific support (3) | NRA, all ag products (incl NPS) (4)=1+2+3 | NRA, all ag products (incl NPS and decoupled) (5) | NRA, ag exportables (6) | NRA, ag import-competing (7) | NRA, all agric tradable goods <sup>c</sup> (8)=6+7 |                                    |                       |
| 1956 | 255  | 246                           | na                                    | 252                                       | 252   | 310                     | 210                          | 252  | 5                                  | 236                   |
| 1957 | 256  | 247                           | na                                    | 254                                       | 254   | 311                     | 214                          | 254  | 5                                  | 238                   |
| 1958 | 256  | 247                           | na                                    | 253                                       | 253   | 311                     | 212                          | 253  | 5                                  | 235                   |
| 1959 | 256  | 243                           | na                                    | 252                                       | 252   | 309                     | 212                          | 252  | 5                                  | 235                   |
| 1960 | 255  | 241                           | na                                    | 251                                       | 251   | 308                     | 211                          | 251  | 6                                  | 233                   |
| 1961 | 253  | 244                           | na                                    | 251                                       | 251   | 310                     | 209                          | 251  | 6                                  | 232                   |
| 1962 | 256  | 247                           | na                                    | 253                                       | 253   | 311                     | 214                          | 253  | 5                                  | 235                   |
| 1963 | 253  | 246                           | na                                    | 251                                       | 251   | 310                     | 211                          | 251  | 5                                  | 233                   |
| 1964 | 253  | 244                           | na                                    | 250                                       | 250   | 311                     | 212                          | 250  | 5                                  | 232                   |
| 1965 | 251  | 246                           | na                                    | 249                                       | 249   | 312                     | 210                          | 249  | 6                                  | 231                   |
| 1966 | 251  | 247                           | na                                    | 250                                       | 250   | 312                     | 210                          | 250  | 6                                  | 232                   |
| 1967 | 251  | 246                           | na                                    | 250                                       | 250   | 312                     | 211                          | 250  | 6                                  | 231                   |
| 1968 | 249  | 245                           | na                                    | 248                                       | 248   | 312                     | 209                          | 248  | 6                                  | 229                   |
| 1969 | 246  | 245                           | na                                    | 246                                       | 246   | 313                     | 207                          | 246  | 5                                  | 228                   |
| 1970 | 246  | 245                           | na                                    | 246                                       | 246   | 312                     | 207                          | 246  | 4                                  | 232                   |
| 1971 | 244  | 245                           | na                                    | 244                                       | 244   | 314                     | 206                          | 244  | 4                                  | 230                   |
| 1972 | 244  | 245                           | na                                    | 244                                       | 244   | 315                     | 206                          | 244  | 5                                  | 229                   |
| 1973 | 241  | 243                           | na                                    | 241                                       | 241   | 314                     | 202                          | 241  | 4                                  | 228                   |
| 1974 | 242  | 246                           | na                                    | 243                                       | 243   | 316                     | 206                          | 243  | 3                                  | 232                   |
| 1975 | 240  | 246                           | na                                    | 242                                       | 242   | 315                     | 202                          | 242  | 4                                  | 228                   |
| 1976 | 242  | 242                           | na                                    | 242                                       | 242   | 313                     | 204                          | 242  | 4                                  | 229                   |
| 1977 | 240  | 241                           | na                                    | 240                                       | 240   | 313                     | 201                          | 240  | 3                                  | 229                   |
| 1978 | 241  | 243                           | na                                    | 242                                       | 242   | 314                     | 203                          | 242  | 4                                  | 230                   |
| 1979 | 237  | 242                           | 13                                    | 251                                       | 264   | 342                     | 227                          | 251  | 3                                  | 240                   |
| 1980 | 204  | 243                           | 12                                    | 223                                       | 237   | 344                     | 199                          | 223  | 3                                  | 215                   |
| 1981 | 178  | 242                           | 11                                    | 200                                       | 213   | 343                     | 175                          | 200  | 3                                  | 192                   |
| 1982 | 194  | 238                           | 12                                    | 213                                       | 227   | 337                     | 189                          | 213  | 3                                  | 204                   |
| 1983 | 234  | 240                           | 16                                    | 251                                       | 270   | 341                     | 224                          | 251  | 3                                  | 242                   |
| 1984 | 242  | 243                           | 16                                    | 258                                       | 277   | 344                     | 231                          | 258  | 2                                  | 249                   |
| 1985 | 298  | 243                           | 18                                    | 304                                       | 328   | 345                     | 279                          | 304  | 2                                  | 295                   |
| 1986 | 398  | 242                           | 37                                    | 393                                       | 411   | 558                     | 261                          | 393  | 3                                  | 381                   |
| 1987 | 419  | 265                           | 37                                    | 415                                       | 436   | 615                     | 270                          | 415  | 2                                  | 403                   |
| 1988 | 432  | 264                           | 32                                    | 418                                       | 440   | 632                     | 269                          | 418  | 2                                  | 406                   |
| 1989 | 230  | 115                           | 19                                    | 217                                       | 236   | 207                     | 191                          | 217  | 2                                  | 210                   |
| 1990 | 349  | 211                           | 21                                    | 332                                       | 354   | 443                     | 244                          | 332  | 2                                  | 323                   |
| 1991 | 367  | 176                           | 22                                    | 330                                       | 361   | 339                     | 286                          | 330  | 2                                  | 320                   |
| 1992 | 224  | 111                           | 17                                    | 209                                       | 236   | 219                     | 170                          | 209  | 3                                  | 201                   |
| 1993 | 299  | 151                           | 24                                    | 280                                       | 318   | 314                     | 216                          | 280  | 3                                  | 269                   |
| 1994 | 292  | 140                           | 27                                    | 274                                       | 319   | 264                     | 235                          | 274  | 3                                  | 263                   |
| 1995 | 184  | 89                            | 19                                    | 177                                       | 214   | 131                     | 185                          | 177  | 3                                  | 168                   |
| 1996 | 201  | 105                           | 20                                    | 195                                       | 249   | 224                     | 139                          | 195  | 3                                  | 186                   |
| 1997 | 201  | 104                           | 22                                    | 195                                       | 255   | 209                     | 145                          | 195  | 3                                  | 186                   |
| 1998 | 225  | 114                           | 22                                    | 214                                       | 275   | 212                     | 175                          | 214  | 3                                  | 205                   |
| 1999 | 239  | 121                           | 20                                    | 223                                       | 305   | 222                     | 186                          | 223  | 3                                  | 213                   |
| 2000 | 198  | 94                            | 17                                    | 186                                       | 259   | 163                     | 173                          | 186  | 3                                  | 177                   |
| 2001 | 161  | 78                            | 18                                    | 155                                       | 229   | 145                     | 130                          | 155  | 3                                  | 148                   |
| 2002 | 198  | 92                            | 19                                    | 186                                       | 270   | 190                     | 146                          | 186  | 3                                  | 177                   |
| 2003 | 166  | 85                            | 17                                    | 160                                       | 240   | 133                     | 152                          | 160  | 3                                  | 152                   |
| 2004 | 142  | 68                            | 15                                    | 137                                       | 208   | 101                     | 143                          | 137  | 3                                  | 130                   |
| 2005 | 136  | 66                            | 12                                    | 118                                       | 195   | 131                     | 140                          | 118  | 2                                  | 114                   |
| 2006 | 98   | 48                            | 11                                    | 87  | 155   | 57                      | 140                          | 87   | 2                                  | 83                    |
| 2007 | 44   | 21                            | 8                                     | 44  | 96  | 14                      | 78                           | 44   | 2                                  | 41                    |

a. NRAs including assistance to nontradables and via inputs and other forms of non-product-specific (NPS) assistance without and (in column (5)) with decoupled support.

- b. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors (columns 8 and 9), respectively, so it excludes decoupled payments but includes all NPS support.
- c. Including NPS but excluding decoupled payments, so more than the weighted average of columns (6) and (7).

Appendix Table 13 (continued): Annual distortion estimates, **Switzerland**, 1956 to 2007  
(c) Value shares of primary production of covered<sup>a</sup> and non-covered products, (percent)

|      | Barley | Beef | Egg | Maize | Milk | Oat | Oilseed | Pigmeat | Poultry | Sheep meat | Sugar | Wheat | Non-covered |
|------|--------|------|-----|-------|------|-----|---------|---------|---------|------------|-------|-------|-------------|
| 1956 | na     | 14   | 2   | 0     | 28   | na  | na      | 17      | 1       | 1          | 2     | 6     | 29          |
| 1957 | na     | 13   | 2   | 0     | 27   | na  | na      | 17      | 1       | 1          | 2     | 8     | 29          |
| 1958 | na     | 13   | 2   | 0     | 27   | na  | na      | 17      | 1       | 1          | 2     | 8     | 29          |
| 1959 | na     | 12   | 2   | 0     | 27   | na  | na      | 17      | 1       | 1          | 2     | 8     | 29          |
| 1960 | na     | 12   | 2   | 0     | 26   | na  | na      | 18      | 1       | 1          | 2     | 9     | 29          |
| 1961 | na     | 13   | 2   | 0     | 26   | na  | na      | 18      | 1       | 1          | 2     | 8     | 29          |
| 1962 | na     | 14   | 2   | 0     | 26   | na  | na      | 17      | 1       | 1          | 2     | 10    | 29          |
| 1963 | na     | 14   | 2   | 0     | 26   | na  | na      | 18      | 2       | 1          | 2     | 7     | 29          |
| 1964 | na     | 13   | 2   | 0     | 25   | na  | na      | 19      | 2       | 1          | 2     | 9     | 29          |
| 1965 | na     | 12   | 2   | 0     | 25   | na  | na      | 20      | 2       | 1          | 2     | 8     | 28          |
| 1966 | na     | 13   | 2   | 0     | 25   | na  | na      | 19      | 3       | 1          | 2     | 7     | 28          |
| 1967 | na     | 13   | 2   | 0     | 24   | na  | na      | 20      | 3       | 1          | 1     | 8     | 28          |
| 1968 | na     | 13   | 2   | 0     | 23   | na  | na      | 21      | 3       | 1          | 1     | 8     | 28          |
| 1969 | na     | 13   | 2   | 1     | 23   | na  | na      | 22      | 3       | 1          | 1     | 7     | 28          |
| 1970 | na     | 14   | 2   | 1     | 23   | na  | na      | 22      | 3       | 1          | 1     | 7     | 28          |
| 1971 | na     | 13   | 2   | 1     | 22   | na  | na      | 23      | 3       | 1          | 1     | 7     | 28          |
| 1972 | na     | 12   | 2   | 1     | 21   | na  | na      | 23      | 3       | 1          | 1     | 8     | 27          |
| 1973 | na     | 12   | 2   | 2     | 21   | na  | na      | 24      | 3       | 0          | 1     | 7     | 27          |
| 1974 | na     | 13   | 2   | 2     | 21   | na  | na      | 23      | 3       | 1          | 1     | 8     | 27          |
| 1975 | na     | 13   | 2   | 2     | 22   | na  | na      | 24      | 3       | 1          | 1     | 6     | 28          |
| 1976 | na     | 13   | 2   | 2     | 21   | na  | na      | 24      | 3       | 1          | 2     | 6     | 28          |
| 1977 | na     | 13   | 2   | 1     | 21   | na  | na      | 25      | 3       | 1          | 2     | 5     | 28          |
| 1978 | na     | 13   | 2   | 1     | 21   | na  | na      | 24      | 3       | 1          | 1     | 6     | 28          |
| 1979 | 1      | 17   | 2   | 1     | 24   | 0   | 0       | 30      | 1       | 1          | 1     | 4     | 19          |
| 1980 | 1      | 17   | 2   | 1     | 25   | 0   | 0       | 30      | 1       | 1          | 1     | 4     | 17          |
| 1981 | 1      | 13   | 2   | 1     | 31   | 0   | 0       | 26      | 1       | 1          | 2     | 4     | 16          |
| 1982 | 1      | 13   | 2   | 1     | 32   | 0   | 0       | 28      | 1       | 1          | 1     | 4     | 17          |
| 1983 | 1      | 11   | 2   | 1     | 30   | 0   | 0       | 28      | 1       | 0          | 1     | 4     | 19          |
| 1984 | 2      | 11   | 2   | 1     | 27   | 0   | 1       | 27      | 1       | 0          | 1     | 6     | 20          |
| 1985 | 1      | 12   | 2   | 2     | 21   | 0   | 1       | 31      | 1       | 1          | 1     | 6     | 21          |
| 1986 | 1      | 14   | 2   | 2     | 19   | na  | 1       | 26      | 1       | 1          | 2     | 7     | 26          |
| 1987 | 0      | 18   | 2   | 2     | 18   | na  | 1       | 24      | 0       | 0          | 1     | 6     | 27          |
| 1988 | 1      | 20   | 2   | 2     | 18   | na  | 1       | 19      | 0       | 0          | 2     | 7     | 28          |
| 1989 | 1      | 13   | 1   | 2     | 29   | na  | 1       | 18      | 0       | 0          | 1     | 6     | 28          |
| 1990 | 1      | 15   | 2   | 2     | 20   | na  | 0       | 22      | 0       | 0          | 2     | 7     | 28          |
| 1991 | 1      | 11   | 1   | 2     | 26   | na  | 1       | 18      | 0       | 0          | 1     | 7     | 31          |
| 1992 | 1      | 11   | 1   | 2     | 30   | na  | 0       | 19      | 0       | 0          | 1     | 5     | 29          |
| 1993 | 2      | 15   | 1   | 2     | 26   | na  | 1       | 16      | 1       | 1          | 1     | 6     | 29          |
| 1994 | 1      | 13   | 1   | 3     | 29   | na  | 0       | 15      | 1       | 1          | 1     | 6     | 29          |
| 1995 | 1      | 12   | 1   | 2     | 38   | na  | 0       | 12      | 0       | 0          | 1     | 5     | 28          |
| 1996 | 2      | 14   | 1   | 2     | 28   | na  | 1       | 15      | 1       | 1          | 2     | 8     | 28          |
| 1997 | na     | 11   | 1   | 2     | 30   | na  | 1       | 16      | 1       | 1          | 2     | 6     | 29          |
| 1998 | na     | 12   | 1   | 2     | 31   | na  | 1       | 14      | 1       | 1          | 2     | 6     | 30          |
| 1999 | na     | 13   | 1   | 2     | 32   | na  | 1       | 11      | 1       | 1          | 2     | 5     | 30          |
| 2000 | na     | 10   | 1   | 2     | 34   | na  | 0       | 14      | 1       | 1          | 2     | 6     | 29          |
| 2001 | na     | 8    | 1   | 2     | 36   | na  | 0       | 15      | 1       | 1          | 1     | 6     | 28          |
| 2002 | na     | 9    | 2   | 2     | 33   | na  | 1       | 15      | 1       | 1          | 2     | 6     | 29          |
| 2003 | na     | 8    | 2   | 1     | 38   | na  | 1       | 13      | 1       | 1          | 1     | 5     | 29          |
| 2004 | na     | 8    | 1   | 1     | 38   | na  | 1       | 12      | 1       | 1          | 1     | 7     | 28          |
| 2005 | na     | 15   | 1   | 1     | 36   | na  | 1       | 15      | 1       | 1          | 2     | 6     | 22          |
| 2006 | na     | 14   | 1   | 1     | 40   | na  | na      | 14      | 1       | 1          | 2     | 5     | 22          |
| 2007 | na     | 16   | 1   | 1     | 43   | na  | na      | 12      | 1       | 1          | 2     | 5     | 19          |

a. At farmgate undistorted prices



Appendix Table 13 (continued): Annual distortion estimates, **Switzerland**, 1956 to 2007  
(d) Trade status of covered products<sup>a</sup>

|      | Barle<br>y | Beef | Egg | Maiz<br>e | Milk | Oat | Oilse<br>ed | Pigm<br>eat | Poult<br>ry | Shee<br>pmea<br>t | Sugar | Whea<br>t |
|------|------------|------|-----|-----------|------|-----|-------------|-------------|-------------|-------------------|-------|-----------|
| 1956 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1957 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1958 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1959 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1960 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1961 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1962 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1963 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1964 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1965 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1966 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1967 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1968 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1969 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1970 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1971 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1972 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1973 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1974 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1975 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1976 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1977 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1978 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 1979 | M          | M    | M   | M         | M    | M   | M           | M           | M           | M                 | M     | M         |
| 1980 | M          | M    | M   | M         | M    | M   | M           | M           | M           | M                 | M     | M         |
| 1981 | M          | M    | M   | M         | M    | M   | M           | M           | M           | M                 | M     | M         |
| 1982 | M          | M    | M   | M         | M    | M   | M           | M           | M           | M                 | M     | M         |
| 1983 | M          | M    | M   | M         | M    | M   | M           | M           | M           | M                 | M     | M         |
| 1984 | M          | M    | M   | M         | M    | M   | M           | M           | M           | M                 | M     | M         |
| 1985 | M          | M    | M   | M         | M    | M   | M           | M           | M           | M                 | M     | M         |
| 1986 | M          | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 1987 | M          | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 1988 | M          | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 1989 | M          | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 1990 | M          | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 1991 | M          | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 1992 | M          | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 1993 | M          | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 1994 | M          | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 1995 | M          | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 1996 | M          | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 1997 | na         | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 1998 | na         | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 1999 | na         | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 2000 | na         | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 2001 | na         | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 2002 | na         | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 2003 | na         | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 2004 | na         | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 2005 | na         | M    | M   | M         | X    | na  | M           | M           | M           | M                 | M     | M         |
| 2006 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |
| 2007 | na         | M    | M   | M         | X    | na  | na          | M           | M           | M                 | M     | M         |

a. Exportables (X), import-competing products (M) and nontradables (H).

Source: Anderson and Valenzuela (2008), based on author's spreadsheet

Appendix Table 14: Annual distortion estimates, **UK**, 1956 to 2007(a) Nominal rates of assistance to covered products  
(percent)

|      | Barle<br>y | Beef | Egg | Milk | Oat | Pigm<br>eat | Potat<br>o | Poult<br>ry | Rape<br>seed | Shee<br>pmea<br>t | Suga<br>r | Tom<br>ato | Whe<br>at | All<br>cove<br>red |
|------|------------|------|-----|------|-----|-------------|------------|-------------|--------------|-------------------|-----------|------------|-----------|--------------------|
| 1956 | -11        | 20   | -86 | 354  | -6  | 67          | 104        | 53          | na           | 78                | 480       | 0          | -14       | 58                 |
| 1957 | 42         | 34   | -85 | 407  | 19  | 60          | 287        | 59          | na           | 94                | 297       | 0          | 15        | 84                 |
| 1958 | 52         | 56   | -83 | 301  | 27  | 53          | 398        | 62          | na           | 135               | 543       | 0          | 22        | 101                |
| 1959 | 51         | 60   | -87 | 400  | 38  | 46          | 224        | 58          | na           | 132               | 554       | 0          | 21        | 85                 |
| 1960 | 50         | 93   | -87 | 293  | 24  | 41          | 97         | 60          | na           | 125               | 542       | 0          | 17        | 69                 |
| 1961 | 40         | 66   | -88 | 429  | 53  | 52          | 344        | 68          | na           | 152               | 588       | 0          | 12        | 89                 |
| 1962 | 22         | 73   | -85 | 478  | 43  | 107         | 267        | 59          | na           | 64                | 619       | 0          | 13        | 89                 |
| 1963 | 30         | 37   | -89 | 360  | 39  | 72          | 250        | 57          | na           | 41                | 190       | 0          | 9         | 63                 |
| 1964 | 25         | 40   | -88 | 295  | 47  | 57          | 255        | 51          | na           | 37                | 267       | 0          | 4         | 62                 |
| 1965 | 9          | 23   | -88 | 354  | 39  | 93          | 210        | 65          | na           | 22                | 866       | 0          | 5         | 61                 |
| 1966 | 3          | 7    | -90 | 332  | 36  | 94          | 311        | 25          | na           | 92                | 1046      | 0          | 3         | 61                 |
| 1967 | 10         | -1   | -90 | 348  | 39  | 95          | 218        | 4           | na           | 91                | 736       | 0          | -2        | 53                 |
| 1968 | 17         | -28  | -90 | 304  | 39  | 86          | 230        | -2          | 0            | 95                | 575       | 0          | 0         | 48                 |
| 1969 | 29         | -32  | -90 | 282  | 22  | 30          | 314        | -1          | 0            | 98                | 180       | 0          | -2        | 40                 |
| 1970 | -1         | -29  | -91 | 451  | 12  | 42          | 32         | -10         | 0            | 56                | 105       | 0          | -2        | 33                 |
| 1971 | 18         | -30  | -91 | 419  | 13  | 41          | 27         | 53          | 0            | 60                | 56        | 0          | 3         | 39                 |
| 1972 | 28         | -25  | -91 | 342  | -12 | 42          | 40         | -4          | 0            | 63                | 28        | 0          | -7        | 33                 |
| 1973 | -7         | 34   | -17 | 208  | 0   | 106         | 57         | 74          | 0            | 322               | -30       | 22         | -30       | 47                 |
| 1974 | 3          | -4   | 30  | 210  | 7   | 69          | 18         | 54          | 0            | 255               | -51       | 22         | -23       | 36                 |
| 1975 | 23         | 11   | 16  | 264  | 23  | 65          | 49         | 60          | 0            | 267               | 28        | 22         | -9        | 58                 |
| 1976 | 20         | 26   | 5   | 366  | 10  | 122         | 327        | 69          | 0            | 342               | 99        | 22         | -16       | 84                 |
| 1977 | 56         | 11   | 41  | 598  | 35  | 65          | 71         | 61          | 0            | 281               | 230       | 22         | -21       | 76                 |
| 1978 | 49         | 11   | 13  | 488  | 74  | 78          | -15        | 49          | 0            | 263               | 230       | 22         | 23        | 74                 |
| 1979 | 75         | 0    | 41  | 440  | 80  | 109         | 17         | 38          | 0            | 230               | 70        | 22         | 35        | 77                 |
| 1980 | 17         | -1   | 22  | 434  | -27 | 71          | 7          | 37          | 0            | 207               | 13        | 22         | 45        | 58                 |
| 1981 | 7          | 23   | 2   | 330  | -2  | 148         | 73         | 72          | 0            | 183               | 74        | 11         | 44        | 76                 |
| 1982 | 8          | 49   | 18  | 313  | 22  | 125         | 95         | 99          | 0            | 181               | 152       | 31         | 51        | 87                 |
| 1983 | 32         | 264  | 40  | 287  | -1  | 129         | 87         | 73          | 0            | 203               | 196       | 19         | 28        | 113                |
| 1984 | 6          | 265  | 3   | 311  | 8   | 81          | -24        | 95          | 0            | 172               | 268       | 26         | 20        | 81                 |
| 1985 | 18         | 293  | 8   | 282  | -6  | 22          | 11         | 91          | 0            | 95                | 297       | 26         | 31        | 86                 |
| 1986 | 157        | 188  | 31  | 361  | 83  | 40          | 17         | 79          | 153          | 134               | 247       | 17         | 119       | 138                |
| 1987 | 233        | 107  | 21  | 533  | 77  | 11          | 17         | 90          | 145          | 211               | 301       | 15         | 143       | 137                |
| 1988 | 85         | 80   | 21  | 192  | 14  | 34          | 17         | 69          | 112          | 215               | 201       | 15         | 94        | 96                 |
| 1989 | 45         | 79   | 29  | 84   | 15  | 14          | 17         | 66          | 140          | 167               | 90        | 0          | 31        | 60                 |
| 1990 | 94         | 98   | 12  | 125  | 48  | 7           | 16         | 100         | 200          | 154               | 109       | 2          | 57        | 78                 |
| 1991 | 119        | 157  | 13  | 128  | 39  | 20          | 16         | 83          | 97           | 128               | 191       | 0          | 146       | 96                 |
| 1992 | 103        | 93   | 15  | 118  | 63  | 0           | 17         | 118         | 0            | 112               | 212       | 0          | 65        | 73                 |
| 1993 | 105        | 63   | 10  | 123  | 44  | 18          | 17         | 110         | 0            | 38                | 169       | 8          | 58        | 68                 |
| 1994 | 100        | 53   | 0   | 117  | 43  | 18          | 16         | 114         | 0            | 55                | 129       | 11         | 48        | 61                 |
| 1995 | 41         | 69   | 12  | 79   | 40  | 16          | 15         | 129         | 0            | 77                | 119       | 0          | 16        | 51                 |
| 1996 | 2          | 68   | 5   | 70   | 34  | 16          | 14         | 77          | 0            | 45                | 140       | 2          | 0         | 36                 |
| 1997 | 7          | 117  | 1   | 78   | 25  | 13          | 12         | 55          | 0            | 27                | 147       | 0          | 0         | 39                 |
| 1998 | 64         | 121  | 11  | 100  | 50  | 22          | 11         | 51          | 0            | 38                | 186       | 0          | 26        | 55                 |
| 1999 | 44         | 125  | 16  | 106  | 84  | 57          | 11         | 90          | 0            | 37                | 245       | 0          | 37        | 65                 |
| 2000 | 3          | 113  | 3   | 57   | 59  | 32          | 10         | 57          | 1            | 26                | 176       | 0          | 11        | 40                 |
| 2001 | 0          | 140  | 0   | 40   | 29  | 24          | 10         | 52          | 0            | 48                | 138       | 0          | 4         | 35                 |
| 2002 | 0          | 157  | 0   | 75   | 0   | 24          | 10         | 56          | 0            | 35                | 161       | 0          | 0         | 43                 |
| 2003 | 1          | 157  | 0   | 70   | 1   | 33          | 10         | 54          | 0            | 46                | 240       | 2          | 2         | 44                 |
| 2004 | 1          | 92   | 0   | 62   | 23  | 27          | 10         | 101         | 0            | 33                | 238       | 2          | 2         | 41                 |
| 2005 | 0          | 109  | 0   | 33   | 24  | 19          | 10         | 69          | 0            | 54                | 168       | 0          | 0         | 26                 |
| 2006 | 0          | 81   | 0   | 25   | 0   | 15          | 10         | 69          | 0            | 74                | 62        | 0          | 0         | 22                 |
| 2007 | 0          | 66   | 0   | 0    | 0   | 17          | 10         | 100         | 0            | 68                | 99        | 0          | 0         | 13                 |

Appendix Table 14 (continued): Annual distortion estimates, **UK**, 1956 to 2007

(b) Nominal and relative rates of assistance to all<sup>a</sup> agricultural products, to exportable<sup>b</sup> and import-competing<sup>b</sup> agricultural industries, and relative<sup>c</sup> to non-agricultural industries (percent)

|      | NRA, all agric products, <sup>a</sup> by component |                               |                                       |   |   | NRA, agric tradables    |                              |  | NRA, all non-ag tradable goods (9) | RRA <sup>b</sup> (10) |
|------|--|-------------------------------|---------------------------------------|---|---|-------------------------|------------------------------|--|------------------------------------|-----------------------|
|      | NRA, covered products (1)                          | NRA, non-covered products (2) | NRA, non-product-specific support (3) | NRA, all ag products (incl NPS) (4)=1+2+3 | NRA, all ag products (incl NPS and decoupled) (5) | NRA, ag exportables (6) | NRA, ag import-competing (7) | NRA, all agric tradable goods <sup>c</sup> (8)=6+7 |                                    |                       |
| 1956 | 58   | 14                            | na                                    | 47  | 47  | 0                       | 54                           | 47   | 15                                 | 27                    |
| 1957 | 84   | 21                            | na                                    | 67  | 67  | 0                       | 77                           | 67   | 15                                 | 45                    |
| 1958 | 101  | 25                            | na                                    | 80  | 80  | 0                       | 93                           | 80   | 17                                 | 53                    |
| 1959 | 85   | 21                            | na                                    | 68  | 68  | 0                       | 78                           | 68   | 17                                 | 43                    |
| 1960 | 69   | 17                            | na                                    | 55  | 55  | 0                       | 64                           | 55   | 16                                 | 34                    |
| 1961 | 89   | 22                            | na                                    | 71  | 71  | 0                       | 82                           | 71   | 18                                 | 44                    |
| 1962 | 89   | 22                            | na                                    | 70  | 70  | 0                       | 82                           | 70   | 18                                 | 44                    |
| 1963 | 63   | 16                            | na                                    | 51  | 51  | 0                       | 59                           | 51   | 18                                 | 28                    |
| 1964 | 62   | 16                            | na                                    | 50  | 50  | 0                       | 57                           | 50   | 18                                 | 27                    |
| 1965 | 61   | 15                            | na                                    | 49  | 49  | 0                       | 57                           | 49   | 18                                 | 27                    |
| 1966 | 61   | 15                            | na                                    | 49  | 49  | 0                       | 57                           | 49   | 18                                 | 27                    |
| 1967 | 53   | 13                            | na                                    | 43  | 43  | 0                       | 49                           | 43   | 17                                 | 22                    |
| 1968 | 48   | 12                            | na                                    | 39  | 39  | 0                       | 44                           | 39   | 17                                 | 18                    |
| 1969 | 40   | 10                            | na                                    | 33  | 33  | 0                       | 37                           | 33   | 18                                 | 13                    |
| 1970 | 33   | 8                             | na                                    | 27  | 27  | 0                       | 30                           | 27   | 16                                 | 10                    |
| 1971 | 39   | 10                            | na                                    | 32  | 32  | 0                       | 37                           | 32   | 16                                 | 14                    |
| 1972 | 33   | 8                             | na                                    | 27  | 27  | 0                       | 31                           | 27   | 16                                 | 10                    |
| 1973 | 47   | 23                            | na                                    | 41  | 41  | 8                       | 52                           | 41   | 9                                  | 30                    |
| 1974 | 36   | 19                            | na                                    | 32  | 32  | 14                      | 38                           | 32   | 6                                  | 25                    |
| 1975 | 58   | 31                            | na                                    | 52  | 52  | 33                      | 57                           | 52   | 7                                  | 41                    |
| 1976 | 84   | 43                            | na                                    | 74  | 74  | 55                      | 77                           | 74   | 7                                  | 63                    |
| 1977 | 76   | 40                            | na                                    | 67  | 67  | 54                      | 71                           | 67   | 7                                  | 57                    |
| 1978 | 74   | 39                            | na                                    | 66  | 66  | 49                      | 70                           | 66   | 7                                  | 55                    |
| 1979 | 77   | 41                            | 12                                    | 81  | 82  | 64                      | 70                           | 81   | 6                                  | 70                    |
| 1980 | 58   | 34                            | 12                                    | 65  | 66  | 34                      | 58                           | 65   | 0                                  | 65                    |
| 1981 | 76   | 40                            | 10                                    | 77  | 79  | 30                      | 80                           | 77   | 0                                  | 77                    |
| 1982 | 87   | 46                            | 9                                     | 87  | 89  | 32                      | 94                           | 87   | 0                                  | 87                    |
| 1983 | 113  | 57                            | 9                                     | 108                                       | 111   | 43                      | 118                          | 108  | 0                                  | 108                   |
| 1984 | 81   | 41                            | 8                                     | 79  | 81  | 21                      | 89                           | 79   | 0                                  | 79                    |
| 1985 | 86   | 43                            | 10                                    | 86  | 89  | 32                      | 90                           | 86   | 0                                  | 86                    |
| 1986 | 138  | 68                            | 3                                     | 123                                       | 125   | 74                      | 126                          | 123  | 0                                  | 123                   |
| 1987 | 137  | 68                            | 3                                     | 122                                       | 124   | 83                      | 124                          | 122  | 0                                  | 122                   |
| 1988 | 96   | 47                            | 3                                     | 87  | 90  | 53                      | 89                           | 87   | 0                                  | 87                    |
| 1989 | 60   | 29                            | 3                                     | 55  | 58  | 26                      | 56                           | 55   | 0                                  | 55                    |
| 1990 | 78   | 37                            | 4                                     | 72  | 75  | 37                      | 73                           | 72   | 0                                  | 72                    |
| 1991 | 96   | 46                            | 5                                     | 88  | 92  | 45                      | 89                           | 88   | 0                                  | 88                    |
| 1992 | 73   | 36                            | 5                                     | 68  | 76  | 35                      | 69                           | 68   | 0                                  | 68                    |
| 1993 | 68   | 34                            | 5                                     | 65  | 77  | 35                      | 64                           | 65   | 0                                  | 65                    |
| 1994 | 61   | 30                            | 4                                     | 58  | 73  | 36                      | 57                           | 58   | 0                                  | 58                    |
| 1995 | 51   | 25                            | 5                                     | 49  | 66  | 25                      | 47                           | 49   | 0                                  | 49                    |
| 1996 | 36   | 17                            | 4                                     | 35  | 52  | 6                       | 46                           | 35   | 0                                  | 35                    |
| 1997 | 39   | 19                            | 4                                     | 38  | 54  | 9                       | 47                           | 38   | 0                                  | 38                    |
| 1998 | 55   | 28                            | 4                                     | 52  | 69  | 23                      | 57                           | 52   | 0                                  | 52                    |
| 1999 | 65   | 33                            | 4                                     | 61  | 78  | 30                      | 66                           | 61   | 0                                  | 61                    |
| 2000 | 40   | 21                            | 3                                     | 39  | 56  | 11                      | 49                           | 39   | 0                                  | 39                    |
| 2001 | 35   | 19                            | 4                                     | 35  | 52  | 7                       | 42                           | 35   | 0                                  | 35                    |
| 2002 | 43   | 22                            | 5                                     | 42  | 60  | 7                       | 56                           | 42   | 0                                  | 42                    |
| 2003 | 44   | 23                            | 5                                     | 44  | 63  | 7                       | 58                           | 44   | 0                                  | 44                    |
| 2004 | 41   | 20                            | 4                                     | 40  | 58  | 7                       | 52                           | 40   | 0                                  | 40                    |
| 2005 | 26   | 13                            | 4                                     | 24  | 43  | 0                       | 39                           | 24   | 0                                  | 24                    |
| 2006 | 22   | 11                            | 4                                     | 21  | 42  | 0                       | 34                           | 21   | 0                                  | 21                    |
| 2007 | 13   | 7                             | 4                                     | 14  | 33  | 0                       | 24                           | 14   | 0                                  | 14                    |

a. NRAs including assistance to nontradables and via inputs and other forms of non-product-specific (NPS) assistance without and (in column (5)) with decoupled support.

- b. The Relative Rate of Assistance (RRA) is defined as  $100 * [(100 + \text{NRA}_{\text{ag}}^t) / (100 + \text{NRA}_{\text{nonag}}^t) - 1]$ , where  $\text{NRA}_{\text{ag}}^t$  and  $\text{NRA}_{\text{nonag}}^t$  are the percentage NRAs for the tradables parts of the agricultural and non-agricultural sectors (columns 8 and 9), respectively, so it excludes decoupled payments but includes all NPS support.
- c. Including NPS but excluding decoupled payments, so more than the weighted average of columns (6) and (7).

Appendix Table 14 (continued): Annual distortion estimates, **UK**, 1956 to 2007  
(c) Value shares of primary production of covered<sup>a</sup> and non-covered products,  
(percent)

|      | Barle<br>y | Beef | Egg | Milk | Oat | Pigme<br>at | Potato | Poultr<br>y | Rapes<br>eed | Sheep<br>meat | Sugar | Tomat<br>o | Wheat | Non-<br>cover<br>ed |
|------|------------|------|-----|------|-----|-------------|--------|-------------|--------------|---------------|-------|------------|-------|---------------------|
| 1956 | 6          | 11   | 12  | 8    | 6   | 10          | 8      | 3           | na           | 3             | 1     | 0          | 7     | 26                  |
| 1957 | 6          | 11   | 13  | 8    | 5   | 10          | 6      | 3           | na           | 3             | 1     | 0          | 7     | 28                  |
| 1958 | 7          | 12   | 12  | 10   | 5   | 4           | 6      | 4           | na           | 3             | 1     | 0          | 7     | 29                  |
| 1959 | 8          | 10   | 15  | 8    | 5   | 4           | 6      | 5           | na           | 4             | 1     | 0          | 7     | 27                  |
| 1960 | 7          | 7    | 13  | 8    | 4   | 11          | 8      | 4           | na           | 3             | 1     | 0          | 6     | 27                  |
| 1961 | 9          | 9    | 14  | 7    | 3   | 10          | 5      | 5           | na           | 4             | 1     | 0          | 6     | 28                  |
| 1962 | 11         | 8    | 11  | 6    | 3   | 8           | 6      | 5           | na           | 5             | 1     | 0          | 8     | 28                  |
| 1963 | 11         | 9    | 13  | 7    | 2   | 9           | 5      | 5           | na           | 5             | 2     | 0          | 6     | 26                  |
| 1964 | 12         | 11   | 10  | 8    | 2   | 10          | 4      | 5           | na           | 5             | 2     | 0          | 7     | 26                  |
| 1965 | 13         | 12   | 11  | 7    | 2   | 8           | 5      | 5           | na           | 5             | 1     | 0          | 7     | 26                  |
| 1966 | 14         | 13   | 11  | 7    | 2   | 8           | 4      | 5           | na           | 3             | 1     | 0          | 6     | 26                  |
| 1967 | 14         | 13   | 12  | 7    | 2   | 7           | 4      | 5           | na           | 3             | 1     | 0          | 7     | 25                  |
| 1968 | 12         | 13   | 12  | 7    | 2   | 8           | 4      | 6           | 0            | 3             | 1     | 0          | 7     | 25                  |
| 1969 | 11         | 13   | 12  | 8    | 2   | 8           | 4      | 7           | 0            | 3             | 1     | 0          | 6     | 24                  |
| 1970 | 12         | 13   | 12  | 7    | 2   | 8           | 5      | 7           | 0            | 3             | 1     | 0          | 8     | 23                  |
| 1971 | 11         | 13   | 12  | 8    | 2   | 8           | 5      | 4           | 0            | 3             | 2     | 0          | 8     | 24                  |
| 1972 | 10         | 13   | 12  | 9    | 2   | 8           | 5      | 5           | 0            | 3             | 2     | 0          | 8     | 23                  |
| 1973 | 12         | 13   | 10  | 8    | 1   | 7           | 4      | 4           | 0            | 3             | 3     | 0          | 11    | 23                  |
| 1974 | 12         | 19   | 5   | 7    | 1   | 7           | 4      | 4           | 0            | 3             | 3     | 1          | 11    | 22                  |
| 1975 | 10         | 23   | 6   | 8    | 1   | 7           | 3      | 5           | 0            | 4             | 1     | 1          | 8     | 23                  |
| 1976 | 11         | 19   | 8   | 7    | 1   | 6           | 3      | 5           | 0            | 3             | 1     | 1          | 10    | 24                  |
| 1977 | 10         | 20   | 6   | 5    | 1   | 8           | 5      | 5           | 1            | 3             | 1     | 1          | 12    | 24                  |
| 1978 | 10         | 21   | 7   | 6    | 1   | 7           | 5      | 6           | 0            | 3             | 1     | 1          | 9     | 24                  |
| 1979 | 9          | 23   | 5   | 6    | 0   | 6           | 5      | 6           | 1            | 4             | 2     | 1          | 9     | 24                  |
| 1980 | 12         | 21   | 5   | 5    | 1   | 6           | 5      | 5           | 1            | 4             | 3     | 1          | 9     | 23                  |
| 1981 | 14         | 17   | 6   | 8    | 1   | 5           | 4      | 5           | 1            | 4             | 2     | 1          | 10    | 23                  |
| 1982 | 15         | 14   | 6   | 9    | 1   | 5           | 4      | 4           | 1            | 4             | 1     | 0          | 11    | 24                  |
| 1983 | 13         | 7    | 5   | 10   | 1   | 6           | 5      | 6           | 2            | 5             | 1     | 1          | 15    | 25                  |
| 1984 | 14         | 6    | 5   | 8    | 1   | 6           | 6      | 4           | 3            | 4             | 1     | 0          | 18    | 24                  |
| 1985 | 12         | 6    | 5   | 9    | 1   | 9           | 5      | 5           | 3            | 5             | 1     | 1          | 14    | 25                  |
| 1986 | 7          | 9    | 5   | 9    | 0   | 9           | 6      | 7           | 2            | 5             | 1     | 1          | 12    | 26                  |
| 1987 | 5          | 14   | 6   | 7    | 0   | 11          | 6      | 7           | 2            | 4             | 1     | 1          | 10    | 26                  |
| 1988 | 7          | 13   | 4   | 13   | 1   | 8           | 5      | 7           | 2            | 4             | 1     | 1          | 10    | 26                  |
| 1989 | 6          | 11   | 3   | 17   | 1   | 9           | 5      | 5           | 1            | 4             | 1     | 1          | 13    | 23                  |
| 1990 | 5          | 10   | 4   | 16   | 0   | 10          | 6      | 5           | 2            | 4             | 1     | 1          | 12    | 25                  |
| 1991 | 5          | 8    | 4   | 16   | 0   | 10          | 7      | 6           | 2            | 4             | 1     | 1          | 9     | 26                  |
| 1992 | 4          | 10   | 4   | 16   | 0   | 12          | 5      | 5           | 2            | 5             | 1     | 1          | 11    | 25                  |
| 1993 | 3          | 11   | 4   | 16   | 0   | 9           | 4      | 6           | 2            | 7             | 1     | 1          | 10    | 25                  |
| 1994 | 3          | 12   | 4   | 16   | 0   | 9           | 7      | 5           | 2            | 7             | 2     | 1          | 9     | 24                  |
| 1995 | 4          | 11   | 3   | 17   | 0   | 8           | 8      | 4           | 2            | 5             | 1     | 0          | 12    | 24                  |
| 1996 | 6          | 7    | 4   | 17   | 0   | 8           | 4      | 6           | 2            | 6             | 1     | 0          | 15    | 23                  |
| 1997 | 6          | 5    | 4   | 17   | 0   | 10          | 4      | 7           | 2            | 7             | 2     | 0          | 13    | 24                  |
| 1998 | 3          | 6    | 4   | 17   | 0   | 8           | 7      | 8           | 3            | 7             | 1     | 1          | 11    | 24                  |
| 1999 | 4          | 6    | 3   | 18   | 0   | 6           | 9      | 6           | 3            | 8             | 1     | 1          | 10    | 25                  |
| 2000 | 5          | 6    | 4   | 20   | 0   | 6           | 4      | 7           | 2            | 8             | 1     | 1          | 13    | 23                  |
| 2001 | 5          | 4    | 4   | 24   | 0   | 7           | 5      | 8           | 2            | 5             | 1     | 0          | 10    | 23                  |
| 2002 | 5          | 5    | 4   | 19   | 1   | 6           | 5      | 7           | 3            | 7             | 1     | 1          | 13    | 24                  |
| 2003 | 5          | 5    | 5   | 20   | 1   | 5           | 5      | 8           | 3            | 7             | 1     | 0          | 12    | 25                  |
| 2004 | 4          | 6    | 4   | 21   | 0   | 5           | 7      | 6           | 3            | 7             | 1     | 0          | 13    | 24                  |
| 2005 | 6          | 5    | 7   | 13   | 1   | 7           | 5      | 5           | 4            | 7             | 1     | 0          | 15    | 24                  |
| 2006 | 6          | 5    | 6   | 13   | 0   | 7           | 8      | 4           | 4            | 5             | 1     | 0          | 17    | 24                  |
| 2007 | 8          | 4    | 3   | 19   | 0   | 5           | 4      | 3           | 4            | 4             | 1     | 0          | 21    | 24                  |

a. At farmgate undistorted prices

Appendix Table 14 (continued): Annual distortion estimates, **UK**, 1956 to 2007(d) Trade status of covered products<sup>a</sup>

|      | Barley | Beef | Egg | Milk | Oat | Pigmeat | Potato | Poultry | Rapeseed | Sheep meat | Sugar | Tomato | Wheat |
|------|--------|------|-----|------|-----|---------|--------|---------|----------|------------|-------|--------|-------|
| 1956 | M      | M    | M   | M    | M   | M       | M      | M       | na       | M          | M     | M      | M     |
| 1957 | M      | M    | M   | M    | M   | M       | M      | M       | na       | M          | M     | M      | M     |
| 1958 | M      | M    | M   | M    | M   | M       | M      | M       | na       | M          | M     | M      | M     |
| 1959 | M      | M    | M   | M    | M   | M       | M      | M       | na       | M          | M     | M      | M     |
| 1960 | M      | M    | M   | M    | M   | M       | M      | M       | na       | M          | M     | M      | M     |
| 1961 | M      | M    | M   | M    | M   | M       | M      | M       | na       | M          | M     | M      | M     |
| 1962 | M      | M    | M   | M    | M   | M       | M      | M       | na       | M          | M     | M      | M     |
| 1963 | M      | M    | M   | M    | M   | M       | M      | M       | na       | M          | M     | M      | M     |
| 1964 | M      | M    | M   | M    | M   | M       | M      | M       | na       | M          | M     | M      | M     |
| 1965 | M      | M    | M   | M    | M   | M       | M      | M       | na       | M          | M     | M      | M     |
| 1966 | M      | M    | M   | M    | M   | M       | M      | M       | na       | M          | M     | M      | M     |
| 1967 | M      | M    | M   | M    | M   | M       | M      | M       | na       | M          | M     | M      | M     |
| 1968 | M      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1969 | M      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1970 | M      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1971 | M      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1972 | M      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1973 | X      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1974 | X      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1975 | X      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1976 | M      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1977 | X      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1978 | X      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1979 | X      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1980 | X      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1981 | X      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1982 | X      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1983 | X      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1984 | X      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1985 | X      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1986 | M      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1987 | M      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1988 | M      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | M      | M     |
| 1989 | M      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | X      | M     |
| 1990 | M      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | X      | M     |
| 1991 | M      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | X      | M     |
| 1992 | M      | M    | M   | M    | M   | M       | M      | M       | X        | M          | M     | X      | M     |
| 1993 | M      | M    | M   | M    | M   | M       | M      | M       | X        | M          | M     | X      | M     |
| 1994 | M      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | X      | M     |
| 1995 | M      | M    | M   | M    | M   | M       | M      | M       | M        | M          | M     | X      | M     |
| 1996 | X      | M    | M   | M    | M   | M       | M      | M       | X        | M          | M     | X      | X     |
| 1997 | X      | M    | M   | M    | M   | M       | M      | M       | X        | M          | M     | X      | X     |
| 1998 | M      | M    | M   | M    | M   | M       | M      | M       | X        | M          | M     | X      | X     |
| 1999 | M      | M    | M   | M    | M   | M       | M      | M       | X        | M          | M     | X      | X     |
| 2000 | X      | M    | X   | M    | M   | M       | M      | M       | X        | M          | M     | X      | X     |
| 2001 | X      | M    | X   | M    | M   | M       | M      | M       | M        | M          | M     | X      | X     |
| 2002 | X      | M    | X   | M    | M   | M       | M      | M       | X        | M          | M     | X      | X     |
| 2003 | X      | M    | X   | M    | M   | M       | M      | M       | X        | M          | M     | X      | X     |
| 2004 | X      | M    | X   | M    | M   | M       | M      | M       | X        | M          | M     | X      | X     |
| 2005 | X      | M    | M   | M    | M   | M       | M      | M       | X        | M          | M     | X      | X     |
| 2006 | X      | M    | M   | M    | M   | M       | M      | M       | X        | M          | M     | X      | X     |
| 2007 | X      | M    | M   | M    | M   | M       | M      | M       | X        | M          | M     | X      | X     |

a. Exportables (X), import-competing products (M) and nontradables (H).

Source: Anderson and Valenzuela (2008), based on author's spreadsheet

Appendix Table 15: Shares of the global value of production and consumption of key covered agricultural products, Western European economies<sup>a</sup>, 2000-03 (percent)

|                       |          | Austria    | Denmark    | Finland    | France     | Germany    | Ireland    | Italy      | Netherlands | Norway     | Portugal   | Spain      | Sweden     | Switzerland | UK         | Regional    | World      |
|-----------------------|----------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|-------------|------------|-------------|------------|
| <b>Grains</b>         | <b>Q</b> | <b>0.2</b> | <b>0.4</b> | <b>0.1</b> | <b>2.7</b> | <b>1.6</b> | <b>0.1</b> | <b>0.9</b> | <b>0.1</b>  | <b>0.0</b> | <b>0.1</b> | <b>1.0</b> | <b>0.2</b> | <b>0.1</b>  | <b>0.9</b> | <b>8.3</b>  | <b>100</b> |
|                       | <b>C</b> | <b>0.2</b> | <b>0.3</b> | <b>0.1</b> | <b>1.6</b> | <b>1.5</b> | <b>0.1</b> | <b>1.2</b> | <b>0.3</b>  | <b>0.1</b> | <b>0.2</b> | <b>1.3</b> | <b>0.2</b> | <b>0.1</b>  | <b>0.8</b> | <b>7.3</b>  | <b>100</b> |
| Rice                  | Q        |            |            |            | 0.0        |            |            | 0.4        |             |            | 0.0        | 0.3        |            |             |            | 0.7         | 100        |
|                       | C        |            |            |            | 0.2        |            |            | 0.2        |             |            | 0.1        | 0.2        |            |             |            | 0.6         | 100        |
| Wheat                 | Q        | 0.2        | 0.8        | 0.1        | 6.0        | 3.7        | 0.1        | 1.2        | 0.2         | 0.1        | 0.0        | 1.1        | 0.4        | 0.2         | 2.5        | 16.6        | 100        |
|                       | C        | 0.2        | 0.7        | 0.1        | 3.4        | 3.0        | 0.2        | 1.9        | 0.7         | 0.1        | 0.3        | 1.5        | 0.3        | 0.3         | 2.3        | 12.7        | 100        |
| Maize                 | Q        | 0.3        |            |            | 2.9        | 0.7        |            | 1.9        | 0.0         |            | 0.2        | 0.8        |            | 0.0         |            | 6.8         | 100        |
|                       | C        | 0.4        |            |            | 2.3        | 1.3        |            | 3.1        | 0.7         |            | 0.6        | 2.0        |            | 0.1         |            | 10.6        | 100        |
| Barley                | Q        | 0.7        | 3.0        | 1.4        | 8.0        | 9.4        | 1.0        | 0.9        | 0.3         | 0.5        | 0.0        | 7.1        | 1.3        |             | 4.9        | 38.4        | 100        |
|                       | C        | 0.9        | 2.6        | 1.2        | 3.3        | 8.5        | 0.9        | 1.8        | 0.6         | 1.0        | 0.3        | 8.9        | 1.2        |             | 4.2        | 31.2        | 100        |
| Oat                   | Q        | 0.5        | 1.1        | 5.1        | 2.3        | 4.4        | 0.5        | 1.3        | 0.1         | 1.3        | 0.2        | 3.5        | 4.2        |             | 2.7        | 27.0        | 100        |
|                       | C        | 0.6        | 1.1        | 3.6        | 2.5        | 5.4        | 0.6        | 1.8        | 0.4         | 2.5        | 0.4        | 4.1        | 3.5        |             | 2.4        | 26.5        | 100        |
| <b>Oilseeds</b>       | <b>Q</b> | <b>0.1</b> | <b>0.1</b> | <b>0.0</b> | <b>1.9</b> | <b>1.5</b> | <b>0.0</b> | <b>0.3</b> | <b>0.0</b>  |            | <b>0.0</b> | <b>0.3</b> | <b>0.1</b> |             | <b>0.5</b> | <b>4.8</b>  | <b>100</b> |
|                       | <b>C</b> | <b>0.1</b> | <b>na</b>  | <b>na</b>  | <b>1.7</b> | <b>3.8</b> | <b>na</b>  | <b>0.9</b> | <b>na</b>   |            | <b>0.1</b> | <b>1.9</b> | <b>na</b>  |             | <b>na</b>  | <b>8.9</b>  | <b>100</b> |
| Soybean               | Q        | na         |            |            | 0.1        | 0.0        |            | 0.4        |             |            |            | 0.0        |            |             |            | 0.6         | 100        |
|                       | C        |            |            |            | 0.7        | 3.0        |            | 1.3        |             |            |            | 2.4        |            |             |            | 7.3         | 100        |
| Rapeseed              | Q        | 0.3        | 0.9        | 0.3        | 10.1       | 12.1       | 0.0        | 0.1        | 0.0         |            |            | 0.1        | 0.5        |             | 4.3        | 28.6        | 100        |
|                       | C        | na         | na         | na         | na         | na         | na         | na         | na          |            |            | na         | na         |             | na         | na          | 100        |
| Sunflower             | Q        | 0.3        |            |            | 7.5        | 0.3        |            | 1.6        |             |            | 0.1        | 3.9        |            |             |            | 13.8        | 100        |
|                       | C        | 0.6        |            |            | 7.0        | 1.6        |            | 2.5        |             |            | 0.9        | 6.3        |            |             |            | 19.0        | 100        |
|                       |          | Austria    | Denmark    | Finland    | France     | Germany    | Ireland    | Italy      | Netherlands | Norway     | Portugal   | Spain      | Sweden     | Switzerland | UK         | Regional    | World      |
| <b>Tropical crops</b> | <b>Q</b> | <b>0.1</b> | <b>0.1</b> | <b>0.0</b> | <b>0.8</b> | <b>0.7</b> | <b>0.0</b> | <b>0.3</b> | <b>0.2</b>  |            | <b>0.0</b> | <b>0.2</b> | <b>0.1</b> | <b>0.0</b>  | <b>0.2</b> | <b>2.7</b>  | <b>100</b> |
|                       | <b>C</b> | <b>0.1</b> | <b>0.1</b> | <b>0.0</b> | <b>0.4</b> | <b>0.6</b> | <b>0.0</b> | <b>0.3</b> | <b>0.2</b>  |            | <b>0.1</b> | <b>0.3</b> | <b>0.1</b> | <b>0.1</b>  | <b>0.4</b> | <b>2.2</b>  | <b>100</b> |
| Sugar                 | Q        | 0.2        | 0.3        | 0.1        | 2.4        | 2.1        | 0.1        | 0.8        | 0.5         |            | 0.0        | 0.6        | 0.2        | 0.1         | 0.7        | 8.2         | 100        |
|                       | C        | 0.3        | 0.2        | 0.1        | 1.3        | 1.8        | 0.1        | 1.0        | 0.5         |            | 0.2        | 0.8        | 0.2        | 0.4         | 1.1        | 7.0         | 100        |
| <b>Livestock</b>      | <b>Q</b> | <b>0.4</b> | <b>0.7</b> | <b>0.2</b> | <b>2.6</b> | <b>2.8</b> | <b>0.5</b> | <b>1.5</b> | <b>1.1</b>  | <b>0.1</b> | <b>0.3</b> | <b>1.7</b> | <b>0.3</b> | <b>0.3</b>  | <b>1.5</b> | <b>13.9</b> | <b>100</b> |
|                       | <b>C</b> | <b>0.4</b> | <b>0.4</b> | <b>0.2</b> | <b>2.9</b> | <b>3.3</b> | <b>0.4</b> | <b>2.1</b> | <b>0.9</b>  | <b>0.2</b> | <b>0.4</b> | <b>1.8</b> | <b>0.4</b> | <b>0.4</b>  | <b>2.2</b> | <b>13.9</b> | <b>100</b> |
| Pigmeat               | Q        | 0.6        | 1.7        | 0.2        | 2.3        | 4.1        | 0.2        | 1.5        | 1.4         | 0.1        | 0.3        | 3.0        | 0.3        | 0.2         | 0.8        | 16.9        | 100        |
|                       | C        | 0.7        | 0.4        | 0.2        | 2.4        | 4.9        | 0.2        | 2.7        | 0.8         | 0.1        | 0.5        | 2.9        | 0.5        | 0.3         | 1.6        | 16.5        | 100        |
| Milk                  | Q        | 0.6        | 0.9        | 0.5        | 4.8        | 5.4        | 1.0        | 2.1        | 2.1         | 0.3        | 0.4        | 1.4        | 0.6        | 0.7         | 2.8        | 23.6        | 100        |
|                       | C        | 0.7        | 1.0        | 0.6        | 5.4        | 6.0        | 1.2        | 2.9        | 2.4         | 0.4        | 0.5        | 1.8        | 0.8        | 0.9         | 3.5        | 24.6        | 100        |
| Beef                  | Q        | 0.2        | 0.2        | 0.1        | 1.9        | 1.5        | 0.7        | 1.3        | 0.5         | 0.1        | 0.1        | 0.8        | 0.2        | 0.2         | 0.8        | 8.6         | 100        |
|                       | C        | 0.3        | 0.3        | 0.2        | 2.9        | 1.8        | 0.2        | 2.6        | 0.6         | 0.2        | 0.3        | 1.1        | 0.5        | 0.3         | 2.1        | 11.1        | 100        |
| Poultry               | Q        | 0.1        | 0.2        | 0.1        | 2.1        | 0.9        | 0.1        | 1.0        | 0.7         | 0.0        | 0.2        | 1.1        | 0.1        | 0.0         | 1.5        | 0.1         | 100        |
|                       | C        | 0.2        | 0.1        | 0.1        | 2.0        | 1.5        | 0.1        | 1.3        | 0.3         | 0.0        | 0.3        | 1.5        | 0.3        | 0.1         | 2.3        | 0.3         | 100        |
| Egg                   | Q        | 0.2        | 0.1        | 0.1        | 1.8        | 1.5        | 0.1        | 1.2        | 1.1         | 0.1        | 0.2        | 1.3        | 0.2        | 0.1         | 1.0        | 0.2         | 100        |
|                       | C        | 0.1        | 0.1        | 0.1        | 1.3        | 1.4        | 0.0        | 0.9        | 0.4         | 0.0        | 0.2        | 0.9        | 0.1        | 0.1         | 0.8        | 0.1         | 100        |
| Sheepmeat             | Q        | 0.1        | 0.0        | 0.0        | 1.4        | 0.5        | 0.7        | 0.7        | 0.2         | 0.3        | 0.3        | 2.6        | 0.0        | 0.1         | 3.3        | 0.0         | 100        |

|                        |          |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |
|------------------------|----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|                        | C        | 0.1        | 0.1        | 0.0        | 3.7        | 1.1        | 0.3        | 1.2        | 0.3        | 0.5        | 0.5        | 3.4        | 0.1        | 0.2        | 5.1        | 0.1        | 100        |
| <b>Total of above</b>  | <b>Q</b> | <b>0.3</b> | <b>0.5</b> | <b>0.2</b> | <b>2.4</b> | <b>2.2</b> | <b>0.3</b> | <b>1.1</b> | <b>0.6</b> | <b>0.1</b> | <b>0.2</b> | <b>1.2</b> | <b>0.2</b> | <b>0.2</b> | <b>1.2</b> | <b>0.2</b> | <b>100</b> |
|                        | C        | 0.3        | 0.3        | 0.2        | 2.2        | 2.5        | 0.2        | 1.6        | 0.6        | 0.1        | 0.3        | 1.5        | 0.3        | 0.2        | 1.5        | 0.3        | 100        |
| <b>Production</b>      |          |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |
| All covered            | Q        | 0.3        | 0.5        | 0.2        | 3.2        | 2.5        | 0.3        | 2.3        | 0.8        | 0.1        | 0.4        | 2.0        | 0.2        | 0.2        | 1.3        | 0.2        | 100        |
| Non-covered            | Q        | 0.2        | 0.3        | 0.1        | 1.7        | 1.6        | 0.2        | 1.1        | 0.5        | 0.1        | 0.2        | 1.0        | 0.2        | 0.1        | 0.8        | 0.2        | 100        |
| <b>All agriculture</b> | <b>Q</b> | <b>0.3</b> | <b>0.5</b> | <b>0.2</b> | <b>2.7</b> | <b>2.2</b> | <b>0.3</b> | <b>1.9</b> | <b>0.7</b> | <b>0.1</b> | <b>0.3</b> | <b>1.7</b> | <b>0.2</b> | <b>0.2</b> | <b>1.1</b> | <b>0.2</b> | <b>100</b> |

Source: Authors' calculations using Project data and FAO Production and Commodity Balance Data.



Appendix Table 16: Shares of the global value of exports and imports of key covered agricultural products, Western European economies<sup>a</sup>, 2000-03 (percent)

[illegible]

|                           |          | Austria    | Denmark    | Finland    | France     | Germany    | Ireland    | Italy      | Netherlands | Norway     | Portugal   | Spain      | Sweden     | Switzerland | UK         | Regional    | World      |
|---------------------------|----------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|-------------|------------|-------------|------------|
| <b>Tropical crops</b>     | <b>X</b> | <b>0.2</b> | <b>0.4</b> | <b>0.0</b> | <b>4.5</b> | <b>1.8</b> | <b>0.2</b> | <b>0.4</b> | <b>0.4</b>  |            | <b>0.2</b> | <b>0.1</b> | <b>0.1</b> | <b>0.0</b>  | <b>0.7</b> | <b>9.1</b>  | <b>100</b> |
|                           | <b>M</b> | <b>0.1</b> | <b>0.2</b> | <b>0.2</b> | <b>0.8</b> | <b>0.8</b> | <b>0.1</b> | <b>1.2</b> | <b>0.2</b>  |            | <b>0.5</b> | <b>0.9</b> | <b>0.1</b> | <b>0.2</b>  | <b>2.6</b> | <b>7.8</b>  | <b>100</b> |
| Sugar                     | X        | 0.5        | 1.0        | 0.1        | 11.7       | 4.6        | 0.4        | 1.0        | 1.0         |            | 0.4        | 0.3        | 0.4        | 0.0         | 1.9        | 23.5        | 100        |
|                           | M        | 0.2        | 0.4        | 0.4        | 2.0        | 2.1        | 0.3        | 3.3        | 0.5         |            | 1.4        | 2.4        | 0.2        | 0.5         | 6.8        | 20.3        | 100        |
| <b>Livestock products</b> | <b>X</b> | <b>1.4</b> | <b>6.6</b> | <b>0.5</b> | <b>9.3</b> | <b>9.2</b> | <b>3.7</b> | <b>2.8</b> | <b>9.3</b>  | <b>0.1</b> | <b>0.2</b> | <b>2.5</b> | <b>0.3</b> | <b>0.5</b>  | <b>2.2</b> | <b>48.6</b> | <b>100</b> |
|                           | <b>M</b> | <b>1.0</b> | <b>1.0</b> | <b>0.2</b> | <b>5.9</b> | <b>8.7</b> | <b>0.8</b> | <b>7.4</b> | <b>4.1</b>  | <b>0.1</b> | <b>1.0</b> | <b>2.3</b> | <b>0.9</b> | <b>0.7</b>  | <b>7.8</b> | <b>41.9</b> | <b>100</b> |
| Pigmeat                   | X        | 1.9        | 19.8       | 0.3        | 6.6        | 7.7        | 1.8        | 4.2        | 9.1         | 0.0        | 0.2        | 5.9        | 0.3        | 0.0         | 1.3        | 59.3        | 100        |
|                           | M        | 1.3        | 1.0        | 0.3        | 5.8        | 10.0       | 0.9        | 9.4        | 1.9         | 0.0        | 1.4        | 1.2        | 1.3        | 0.5         | 10.6       | 45.5        | 100        |
| Milk                      | X        | 2.0        | 4.9        | 0.9        | 13.6       | 14.8       | 4.0        | 3.6        | 11.7        | 0.3        | 0.5        | 1.9        | 0.5        | 1.2         | 3.2        | 63.2        | 100        |
|                           | M        | 1.2        | 1.0        | 0.4        | 6.7        | 10.8       | 0.9        | 8.8        | 6.0         | 0.1        | 0.9        | 3.5        | 0.8        | 0.7         | 6.1        | 47.9        | 100        |
| Beef                      | X        | 1.0        | 1.7        | 0.1        | 4.5        | 6.4        | 6.1        | 1.5        | 7.1         | 0.0        | 0.0        | 1.8        | 0.1        | 0.1         | 0.3        | 30.6        | 100        |
|                           | M        | 0.4        | 1.5        | 0.1        | 4.9        | 3.3        | 0.2        | 8.4        | 3.5         | 0.1        | 1.3        | 2.2        | 0.9        | 0.4         | 5.7        | 33.0        | 100        |
| Poultry                   | X        | 0.5        | 2.1        | 0.1        | 11.6       | 3.8        | 1.9        | 1.9        | 10.1        | 0.0        | 0.0        | 1.0        | 0.1        | 0.0         | 2.8        | 35.9        | 100        |
|                           | M        | 1.4        | 0.9        | 0.2        | 3.0        | 10.7       | 1.6        | 1.1        | 4.2         | 0.0        | 0.3        | 1.6        | 0.8        | 1.3         | 11.6       | 38.6        | 100        |
| Sheepmeat                 | X        | 0.1        | 0.1        | 0.0        | 2.1        | 1.3        | 7.4        | 0.2        | 1.1         | 0.0        | 0.0        | 2.6        | 0.0        | 0.0         | 9.0        | 23.8        | 100        |
|                           | M        | 0.4        | 0.8        | 0.2        | 19.4       | 7.0        | 0.2        | 4.0        | 1.9         | 0.2        | 1.1        | 1.4        | 0.7        | 2.4         | 12.9       | 52.5        | 100        |
| <b>Total of above</b>     | <b>X</b> | <b>0.9</b> | <b>3.4</b> | <b>0.3</b> | <b>8.1</b> | <b>5.8</b> | <b>1.8</b> | <b>1.7</b> | <b>5.0</b>  | <b>0.1</b> | <b>0.2</b> | <b>1.5</b> | <b>0.3</b> | <b>0.2</b>  | <b>1.6</b> | <b>30.7</b> | <b>100</b> |
|                           | <b>M</b> | <b>0.6</b> | <b>0.7</b> | <b>0.2</b> | <b>3.4</b> | <b>5.1</b> | <b>0.5</b> | <b>4.7</b> | <b>2.9</b>  | <b>0.1</b> | <b>0.9</b> | <b>2.2</b> | <b>0.5</b> | <b>0.4</b>  | <b>4.7</b> | <b>26.8</b> | <b>100</b> |
| <b>All exports</b>        | <b>X</b> | <b>0.9</b> | <b>2.2</b> | <b>0.3</b> | <b>7.9</b> | <b>6.0</b> | <b>1.5</b> | <b>3.9</b> | <b>7.3</b>  | <b>0.1</b> | <b>0.4</b> | <b>3.7</b> | <b>0.5</b> | <b>0.5</b>  | <b>3.5</b> | <b>38.5</b> | <b>100</b> |
|                           | <b>M</b> | <b>1.1</b> | <b>1.1</b> | <b>0.5</b> | <b>5.7</b> | <b>8.3</b> | <b>0.8</b> | <b>5.1</b> | <b>4.3</b>  | <b>0.5</b> | <b>0.9</b> | <b>2.8</b> | <b>1.0</b> | <b>1.2</b>  | <b>6.5</b> | <b>40.0</b> | <b>100</b> |

Source: Authors' derivation using trade value data from FAOSTAT.