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# Estimates of Producer and Consumer Subsidy Equivalents

Government Intervention in  
Agriculture, 1982-86

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DEPARTMENT OF AGRICULTURAL AND APPLIED ECONOMICS  
232 CLASSROOM OFFICE BLDG.  
1994 BUFORD AVENUE, UNIVERSITY OF MINNESOTA  
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ABSTRACT

This report presents producer and consumer subsidy equivalents for various agricultural commodities in 16 countries and the European Community. These measures estimate the effect of government policies on producer revenue and consumer cost.

Keywords: agricultural policy, agricultural trade, consumer subsidy equivalent, producer subsidy equivalent

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PREFACE

The tables presented here support Government Intervention in Agriculture: Measurement, Evaluation, and Implications for Trade (FAER-229, USDA, ERS). They provide point estimates for the measures that are classified only in ranges by FAER-229, and extend the estimates into 1985 and 1986. An updated version of this report is planned by the end of 1988.

Analysts who prepared these estimates are identified in the contents. This report was compiled by Carl Mabbs-Zeno with statistical assistance from Renata Penn, and clerical assistance from Sheba Allen and Helen Joyner.

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## CONTENTS

	<u>Page</u>
INTRODUCTION	1
COUNTRY RESULTS	
Argentina	Myles Mielke and Ricardo Krajewski 4
Australia	David Skully 9
Brazil	Ed Allen, Ricardo Krajewski, and David Peacock 18
Canada	Carol Goodloe 24
European Community	Dale Leuck, Pete Liapis, and Mary Anne Normile 44
India	Maurice Landes 58
Indonesia	Leslie Ross 70
Japan	Lois Caplan, Bill Coyle, and Michael Lopez 73
Mexico	Nicole Ballenger and Myles Mielke 86
New Zealand	David Skully 90
Nigeria	Carl Mabbs-Zeno 97
Pakistan	Gary Ender 105
South Africa	Carl Mabbs-Zeno 109
South Korea	Al Evans 116
Taiwan	Sophia Huang 128
Thailand	Doug Brooks 138
United States	Barbara Chattin and Fred Nelson 141

# Estimates of Producer and Consumer Subsidy Equivalents

## Government Intervention in Agriculture, 1982-86

### INTRODUCTION

This study estimates the effects of government policies on agricultural producers and consumers, using measures known as the producer subsidy equivalent (PSE) and the consumer subsidy equivalent (CSE). These subsidy equivalents show the change in producer revenue (or consumer cost) due to government actions. PSE and CSE components are derived in two ways: (1) by looking at government expenditures, and (2) by looking at the wedge that a policy instrument (or mix of instruments) drives between domestic and external prices. Where policy instruments are functionally linked, such that they jointly affect producers (or consumers), PSE's (or CSE's) measure the net effect of the package of policies. They do this by comparing internal and external prices rather than attempting to isolate the effect of each policy instrument. For example, many governments intervene in the dairy sector through minimum price policies that are, in turn, supported by border measures such as tariffs or quotas.

PSE's (and CSE's) are based on prices, production, consumption, and trade under current market conditions. When compared across countries or commodity markets, they show the relative importance of government policy in different countries and commodity markets in terms of their contribution to farmer revenues (or consumer costs). When examined over time, they show changing government involvement in the agricultural sector. Changes in PSE's (and CSE's) can be due to changes in country policies, world reference prices or exchange rates. These measures can be quite variable over time. PSE's (and CSE's) can contribute to models that reveal the effects on production, trade, or prices of removing government intervention from agricultural markets.

The estimates reported here were subject to several measurement problems that limit their correspondence to the theoretical concepts of subsidy equivalents. Data were not available on the basis of any consistent annual unit. Tariff and trade data were typically reported for calendar years, agricultural production data were reported for crop years that varied among crops and countries, and government budgetary data were generally reported for fiscal years. Some data were available only at an inappropriate point in the marketing chain. For example, commodities like sugarcane are processed before being exported, so the international price is imperfect for comparison with producer prices. International prices were also inadequate in years when a particular commodity was little traded. Extremely high inflation rates in some countries masked the meaning of values reported annually because

components from early in the year would be underrepresented. These empirical difficulties were compounded by normal shortcomings of secondary data sets: missing data, contradictory data sources, poor documentation of data collection procedures, and time series whose definitions of variables changed. Such problems were particularly severe in less developed countries, resulting in less accurate estimates for their subsidy equivalents.

In addition to the limitations imposed on these estimates by measurement problems, interpretation of the results shown here is constrained by our selection of policies, commodities, and countries. For example, the commodities examined here for Nigeria include the major agricultural goods traded internationally but not some of the major foods produced and consumed domestically. The overall level of government intervention in Nigerian agriculture would be overstated by attributing the same rate of intervention to untraded crops. Comparison between countries is also impaired where important commodities or policies have been omitted. For Thailand, only rice was studied here so a comparison of Thai intervention in agriculture with the United States should extend only to that crop. Similarly, the EC-10 PSE's are not strictly comparable with the U.S. PSE's because the national policies of EC-10 members were not measured although State policies in the United States were included.

This report consists of tables for 16 countries and the European Community, arranged alphabetically. Four types of tables are presented for most countries: a descriptive table of measured policies, a descriptive table of unmeasured policies, separate commodity tables for PSE's and CSE's, and separate summary tables for PSE's and CSE's. The commodity tables vary for each commodity and each country according to the nature of the commodity and the policies applied to them. The PSE's for Japanese barley during 1982-84 are shown below as an example. In this case, two types of barley are recognized, termed "2, 6-row," and "naked." The production level and producer price for each is shown on lines A through F.

Producer value includes revenue from crop sales (production times price) and any direct payment from the government. Direct payments in this case include PFRP payments (line I). Thus the formula for entries in line G is  $(B * E + C * F) / 1000 + I$ . Each producer value that includes direct payments is footnoted.

The PSE is expressed in three forms. Line N shows total policy transfers as a percentage of producer value. The 1982-86 average weights each year according to value of production. Line O shows the ratio of total policy transfers in local currency to total production quantity. Line P converts line O into dollars per ton at official exchange rates.

The summary tables are compiled for each country from the commodity tables. The value of transfers received (or costs incurred) under each program is summed across all commodities in the first section of these tables under the heading "policy transfers by policy." The value of transfers received (or costs incurred) through production (or consumption) of each commodity is shown in the second section under the heading "policy transfers by commodity." The sum of the transfers by policy shown in the first section is identical to the sum of transfers by commodity shown in the second section and is listed as total policy transfers. The next line shows the value to producers (or cost to consumers) of all studied commodities. The last line of each summary table shows the combined PSE (or CSE). It is the ratio of total policy transfers to

producer value (or consumer cost), expressed as a percentage. All average PSE's (and CSE's) for 1982-86, when expressed as percentages, are weighted by annual producer value (or consumer cost). Since nominal values are used for producer revenue and consumer cost, the procedure overrepresents later years in economies with high inflation rates.

COMMODITY TABLE EXAMPLE

Item	Unit	Japan PSE			
		1982	1983	1984	1982-84 ave
Barley					
A. Level of production:					
B. 2, 6-row	1000 tons	342	340	353	345
C. Naked	1000 tons	48	39	43	43
D. Producer price:					
E. 2, 6-row	Yen/kg	167	167	167	167
F. Naked	Yen/kg	190	191	191	190
G. Value to producers	Bil yen	86	84	83	85
H. Policy transfers to producers:					
I. PFRP payments*	Bil yen	20.00	20.00	16.00	18.67
J. State control	Bil yen	49.50	46.80	51.00	49.10
K. Crop insurance	Bil yen	1.00	1.00	1.00	1.00
L. Inputs assistance	Bil yen	13.00	12.00	11.00	12.00
M. Total policy transfers	Bil yen	83.50	79.80	79.00	80.77
N. PSE (per unit value)	Percent	97.05	94.56	95.00	95.55
O. PSE (per unit quantity)	Yen/kg	214.27	210.33	199.75	208.05
P.	\$/ton	860.51	983.75	839.27	861.18

\* Payment to producer in addition to price received.



ARGENTINA  
Measured Policies  
(For underscored numbers in parentheses, see References below)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Export tax	all PSE's and CSE's	The Government collected export duties by deducting the appropriate amount from the F.O.B. price (5).	The effect of the export tax was captured by comparing the F.O.B. price (2, 3) converted to Argentine currency with the wholesale price (1).
Exchange rate adjustment	all PSE's and CSE's	The Argentine currency was undervalued during 1982-86.	The commercial exchange rate was compared to the parity exchange rate (4) and the resulting price wedge multiplied by quantity produced or consumed.

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## Argentina PSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Wheat:</b>							
Level of production	Mil tons	8.30	15.00	12.75	13.20	8.50	11.55
Producer price	A/ton	0.24	0.83	4.98	37.40	60.09	20.71
Value to producers	Mil A	1.98	12.48	63.50	493.69	510.80	216.49
Policy transfers to producers:							
Trade policy transfer	Mil A	-0.46	-6.28	-37.57	-221.54	-67.72	-66.71
Exchange rate adjustment	Mil A	0.18	2.64	11.43	219.19	152.42	77.17
Total policy transfers	Mil A	-0.29	-3.64	-26.15	-2.35	84.71	10.46
PSE (per unit value)	Percent	-14.6	-29.2	-41.2	-0.5	16.6	4.8
PSE (per unit quantity)	A/ton	-0.03	-0.24	-2.05	-0.18	9.97	1.49
	US\$/ton	-13.40	-23.03	-30.31	-0.30	10.56	-11.30
<b>Corn:</b>							
Level of production	Mil tons	9.00	9.20	11.50	12.10	9.50	10.26
Producer price	A/ton	0.13	0.76	5.05	32.26	47.79	17.20
Value to producers	Mil A	1.17	6.99	58.07	390.35	454.01	182.12
Policy transfers to producers:							
Trade policy transfer	Mil A	-0.45	-2.95	-25.09	-243.94	-110.26	-76.54
Exchange rate adjustment	Mil A	0.13	1.57	10.57	209.48	163.77	77.10
Total policy transfers	Mil A	-0.32	-1.38	-14.52	-34.46	53.51	0.57
PSE (per unit value)	Percent	-27.4	-19.7	-25.0	-8.8	11.8	0.3
PSE (per unit quantity)	A/ton	-0.04	-0.15	-1.26	-2.85	5.63	0.27
	US\$/ton	-13.73	-14.25	-18.66	-4.73	5.97	-9.08
<b>Sorghum:</b>							
Level of production	Mil tons	7.70	6.90	6.20	4.20	3.00	5.60
Producer price	A/ton	0.09	0.48	2.63	18.24	27.09	9.71
Value to producers	Mil A	0.69	3.31	16.31	76.61	81.27	35.64
Policy transfers to producers:							
Trade policy transfer	Mil A	-0.34	-2.27	-15.38	-80.83	-57.32	-31.23
Exchange rate adjustment	Mil A	0.10	1.00	4.40	57.54	44.26	21.46
Total policy transfers	Mil A	-0.24	-1.27	-10.98	-23.29	-13.06	-9.77
PSE (per unit value)	Percent	-34.63	-38.35	-67.34	-30.40	-16.07	-27.41
PSE (per unit quantity)	A/ton	-0.03	-0.18	-1.77	-5.55	-4.35	-2.38
	US\$/ton	-12.03	-17.48	-26.18	-9.21	-4.61	-13.90

--Continued

## Argentina PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Soybeans:</b>							
Level of production	Mil tons	4.15	4.20	7.00	6.75	7.30	5.88
Producer price	A/ton	0.33	1.80	9.53	67.90	107.45	37.40
Value to producers	Mil A	1.37	7.56	66.71	458.33	784.39	263.67
<b>Policy transfers to producers:</b>							
Trade policy transfer	Mil A	-0.40	-2.76	-41.97	-284.45	-372.95	-140.51
Exchange rate adjustment	Mil A	0.12	1.40	11.77	215.27	279.66	101.64
Total policy transfers	Mil A	-0.28	-1.36	-30.20	-69.18	-93.29	-38.86
PSE (per unit value)	Percent	-20.4	-18.0	-45.3	-15.1	-11.9	-14.7
PSE (per unit quantity)	A/ton	-0.07	-0.32	-4.31	-10.25	-12.78	-5.55
	US\$/ton	-26.05	-30.75	-63.77	-17.03	-13.54	-30.23
<b>Summary:</b>							
<b>Policy transfers by policy:</b>							
Trade policy transfer	Mil A	-1.7	-14.3	-120.0	-830.8	-608.2	-915.0
Exchange rate adjustment	Mil A	0.5	6.6	38.2	701.5	640.1	277.4
<b>Policy transfers by commodity:</b>							
Wheat	Mil A	-0.3	-3.6	-26.1	-2.3	84.7	10.5
Corn	Mil A	-0.3	-1.4	-14.5	-34.5	53.5	0.6
Sorghum	Mil A	-0.2	-1.3	-11.0	-23.3	-13.1	-9.8
Soybeans	Mil A	-0.3	-1.4	-30.2	-69.2	-93.3	-38.9
<b>PSE by commodity:</b>							
Wheat	Percent	-14.6	-29.2	-41.2	-0.5	16.6	4.8
Corn	Percent	-27.4	-19.7	-25.0	-8.8	11.8	0.3
Sorghum	Percent	-34.6	-38.3	-67.3	-30.4	-16.1	-27.4
Soybeans	Percent	-20.4	-18.0	-45.3	-15.1	-11.9	-14.7
Total policy transfers	Mil A	-1	-8	-82	-129	32	-38
Value to producers	Mil A	5	30	205	1419	1830	698
4-commodity PSE	Percent	-21.7	-25.2	-40.0	-9.1	1.7	-5.4

Note: A = australes

Argentina CSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Wheat:</b>							
Level of consumption	Mil tons	4.3	4.8	4.7	4.6	4.4	4.6
Wholesale price	A/ton	0.3	1.0	6.2	46.8	75.1	25.9
Total cost to consumers	Mil A	1.3	4.8	29.1	215.3	330.4	116.2
Policy transfers to consumers:							
Export tax	Mil A	0.2	2.0	13.9	77.2	35.1	25.7
Exchange rate adjustment	Mil A	-0.2	-0.7	-3.8	-28.0	-42.9	-15.1
Total policy transfers	Mil A	0.1	1.4	10.1	49.2	-7.9	10.6
CSE (per unit value)	Percent	5.8	28.6	34.5	22.9	-2.4	9.1
CSE (per unit quantity)	A/ton	0.0	0.3	2.1	10.7	-1.8	2.3
	US\$/ton	6.73	27.16	31.61	17.79	-1.90	16.28
<b>Corn:</b>							
Level of consumption	Mil tons	3.2	4.0	4.1	4.6	4.8	4.1
Wholesale price	A/ton	0.2	1.1	7.2	46.1	68.3	24.6
Total cost to consumers	Mil A	0.6	4.4	29.5	212.1	327.8	114.9
Policy transfers to consumers:							
Export tax	Mil A	0.2	1.3	8.9	92.7	55.7	31.8
Exchange rate adjustment	Mil A	-0.1	-0.6	-3.8	-27.6	-42.6	-14.9
Total policy transfers	Mil A	0.1	0.7	5.1	65.2	13.1	16.8
CSE (per unit value)	Percent	13.0	16.1	17.2	30.7	4.0	14.6
CSE (per unit quantity)	A/ton	0.0	0.2	1.2	14.2	2.7	3.7
	US\$/ton	10.01	16.81	18.26	23.55	2.89	14.30
<b>Sorghum:</b>							
Level of consumption	Mil tons	2.7	2.9	2.8	2.4	2.2	2.6
Wholesale price	A/ton	0.2	0.9	4.8	33.2	49.3	17.7
Total cost to consumers	Mil A	0.5	2.6	13.4	79.7	108.5	40.9
Policy transfers to consumers:							
Export tax	Mil A	0.1	1.0	6.9	46.2	42.0	19.2
Exchange rate adjustment	Mil A	-0.1	-0.3	-1.7	-10.3	-14.1	-5.3
Total policy transfers	Mil A	0.1	0.6	5.2	35.8	27.9	13.9
CSE (per unit value)	Percent	11.7	24.0	38.7	45.0	25.8	34.0
CSE (per unit quantity)	A/ton	0.0	0.2	1.9	14.9	12.7	5.9
	US\$/ton	9.01	20.53	27.46	24.82	13.45	19.05

--Continued

## Argentina CSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Soybeans:</b>							
Level of consumption	Mil tons	2.1	2.6	3.9	3.8	4.7	3.4
Wholesale price	A/ton	0.4	2.1	11.2	79.9	126.4	44.0
Total cost to consumers	Mil A	0.8	5.5	43.7	303.6	594.1	189.5
<b>Policy transfers to consumers:</b>							
Export tax	Mil A	0.2	1.7	23.5	159.3	240.7	85.1
Exchange rate adjustment	Mil A	-0.1	-0.7	-5.7	-39.3	-77.4	-24.6
Total policy transfers	Mil A	0.1	1.0	17.8	120.0	163.3	60.4
CSE (per unit value)	Percent	11.5	18.4	40.7	39.5	27.5	31.9
CSE (per unit quantity)	A/ton	0.0	0.4	4.6	31.6	34.7	14.3
	US\$/ton	17.83	36.78	67.46	52.49	36.79	42.27
<b>Summary:</b>							
<b>Policy transfers by policy:</b>							
Export tax	Mil A	0.7	6.0	53.2	375.4	373.5	161.8
Exchange rate adjustment	Mil A	-0.4	-2.3	-15.1	-105.1	-177.0	-60.0
<b>Policy transfers by commodity:</b>							
Wheat	Mil A	0.1	1.4	10.1	49.2	-7.9	10.6
Corn	Mil A	0.1	0.7	5.1	65.2	13.1	16.8
Sorghum	Mil A	0.1	0.6	5.2	35.8	27.9	13.9
Soybeans	Mil A	0.1	1.0	17.8	120.0	163.3	60.4
<b>CSE by commodity:</b>							
Wheat	Percent	5.8	28.6	34.5	22.9	-2.4	9.1
Corn	Percent	13.0	16.1	17.2	30.7	4.0	14.6
Sorghum	Percent	11.7	24.0	38.7	45.0	25.8	34.0
Soybeans	Percent	11.5	18.4	40.7	39.5	27.5	31.9
Total policy transfers	Mil A	0.3	3.7	38.1	270.3	196.4	101.8
Cost to consumers	Mil A	3.3	17.3	115.8	810.6	1360.8	461.6
4-commodity CSE	Percent	9.6	21.5	32.9	33.3	14.4	22.1

Note: A = australes

AUSTRALIA  
Measured Policies

(For underscored numbers in parentheses, see References below)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Fertilizer subsidies	sugar PSE wheat PSE barley PSE rice PSE mfg milk PSE fluid milk PSE beef and veal PSE cotton PSE sheepmeat PSE	The Australian Government provides subsidies to manufacturers of agricultural fertilizers.	Full value of subsidy was assumed to benefit farmers. Based on fertilizer intensity and mix survey data, total value subsidy allocated among major activities. Further disaggregation was on the basis of output (1).
Interest concessions	sugar PSE wheat PSE barley PSE rice PSE mfg milk PSE fluid milk PSE beef and veal PSE cotton PSE sheepmeat PSE	Farmers have limited access to concessional credit for overdrafts and farm developments.	Value of concession was the interest differential from open market rates weighted by value of outstanding loans by type of activity (1).
Home consumption pricing	sugar PSE wheat PSE rice PSE cotton PSE	Price discrimination: surplus revenue from higher prices in the domestic market subsidizes export sales.	Surplus revenue from domestic discrimination was calculated using export prices as free market value. Surplus was distributed over export volume to yield a unit subsidy (1, 2).
Rural adjustment scheme	sugar PSE wheat PSE barley PSE rice PSE mfg milk PSE beef and veal PSE fluid milk PSE cotton PSE sheepmeat PSE	RAS refers to an umbrella of programs to assist family farms judged financially viable. Assistance was individually tailored, usually via debt restructuring and lending to achieve scale economies or alter product mix.	Includes grant values plus the subsidy value of concessional lending. Program expenditures were identifiable by commodity (1).
Export incentives	sugar PSE wheat PSE barley PSE rice PSE mfg milk PSE fluid milk PSE beef and veal PSE cotton PSE	Grants to encourage small- and medium-size firms to engage in exporting	Budgetary item by commodity value was distributed among commodities by export volume (1).

—Continued

Australia: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Research	sugar PSE wheat PSE barley PSE rice PSE mfg. milk PSE fluid milk PSE beef and veal PSE	Government contributions to research trust funds and matching funding to producer research groups	General agricultural research and overhead were allocated by shares of total value of output. Commodity specific research was reported directly (1).
Natural disaster relief	wheat PSE barley PSE mfg. milk beef and veal PSE sheepmeat PSE	Commonwealth and States provide assistance to mitigate the effects of cyclones, floods, storms, fire, and drought.	Distributed over products by shares of total value of output (1).
Export inspection	wheat PSE beef and veal PSE sheepmeat PSE	Government covers 50 percent of the cost of export inspection.	Costs distributed among meats by export inspection volume; costs distributed among grains by export inspection volume (1).
Interest subsidy to AWB	wheat PSE	Government reimburses the Australian Wheat Board for exceptional expenses and grants access to concessional credit for advance payments to wheat growers.	From AWB budget and calculated values of interest concession (1).
Equalization	mfg. milk PSE	Revenues from levies on domestic dairy product sales were transferred to equalize average export return to processors of dairy products. The cross-subsidy diminished export risk. Program terminated July, 1986; new program places levy on all production.	Value of levy revenue in relation to manufactured milk volume (1).
Tuberculosis and bovine brucellosis eradication	mfg. milk PSE market milk PSE beef and veal PSE	Testing and destruction of infected animals was funded by Commonwealth and States. Owners were partially compensated for condemned animals. A levy on slaughtered cattle partially funds operations.	Separate accounts for beef and dairy cattle. Mfg. and market milk allocated proportionately to production (1).

—Continued

## Australia: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Beef carcass classification	beef and veal PSE	Government is funding the development of national beef cattle carcass classification scheme.	Full cost of investment in year of disbursement (unamortized) (1)
Other taxation concessions	sugar PSE wheat PSE rice PSE mfg. milk PSE fluid milk PSE beef & veal PSE barley PSE cotton PSE sheepmeat PSE	Agricultural activities are subject to various accounting and taxation provisions which, in aggregate, result in lower rates of taxation than urban enterprises e.g. accelerated depreciation and income averaging.	As reported by the IAC (1)
Domestic price support	fluid milk PSE	Price discrimination: a premium is established on fluid milk to ensure a year-round supply at stable consumer prices.	Budgetary account
Underwriting	fluid milk PSE mfg. milk PSE	The Commonwealth Government guarantees a minimum return to mfg. milk producers. The minimum return is calculated by a formula specified in a dairy legislation. When realized market structures fall below the minimum, government payments occur.	Budgetary item: payments reported for year of disbursement
Sheepmeat market development fund	sheepmeat PSE	The Commonwealth Government provides matching funds for sheepmeat promotion.	Budgetary item (1)
Guaranteed minimum price	wheat PSE	The GMP is calculated by a formula specified in wheat marketing legislation to ensure wheat producers of a guaranteed minimum return on production. When realized returns per ton fell below the GMP, government payments were triggered.	Budgetary item

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2. U.S. Department of Agriculture, Economic Research Service. Unpublished estimates.



## Australia PSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Sugar:</b>							
Level of production	1000 tons	3536	3170	3547	3378	3360	3398
Producer price	A\$/ton	148	173	151	151	177	160
Value to producers	Mil A\$	524	583	534	510	595	549
Policy transfers to producers:							
Fertilizer subsidies	Mil A\$	1.9	1.9	2.3	3.1	0.0	1.8
Interest concessions	Mil A\$	0.2	0.2	0.3	0.4	0.4	0.3
Home consumption pricing	Mil A\$	48.5	33.9	68.2	71.7	59.4	56.3
Rural adjustment scheme	Mil A\$	3.2	1.8	7.7	8.2	6.0	5.4
Export incentives	Mil A\$	0.2	0.2	0.3	0.3	0.3	0.3
Research	Mil A\$	0.0	0.1	0.0	0.0	0.0	0.0
Other taxation concessions	Mil A\$	8.5	0.5	0.7	0.8	0.7	2.2
Sugar industrial assist	Mil A\$	0.0	0.0	0.0	0.0	22.6	4.5
Total policy transfers	Mil A\$	62.5	38.6	79.5	84.5	89.4	70.9
PSE (per unit value)	Percent	11.9	6.6	14.9	16.6	15.0	12.9
PSE (per unit quantity)	A\$/ton	17.7	12.2	22.4	25.0	26.6	20.8
	\$/ton	17.98	10.99	19.71	17.53	17.85	16.81
<b>Wheat:</b>							
Level of production	1000 tons	8876	22016	18666	16127	16190	16375
Producer price	A\$/ton	151	122	133	121	105	127
Value to producers	Mil A\$	1344	2682	2488	1951	1700	2033
Policy transfers to producers:							
GMP direct payment	Mil A\$	0.0	0.0	0.0	0.0	218.0	43.6
Fertilizer subsidies	Mil A\$	13.5	14.0	14.8	19.7	0.0	12.4
Interest concessions	Mil A\$	0.6	1.0	1.5	2.1	1.0	1.2
Natural disaster relief	Mil A\$	3.7	5.2	2.7	3.1	0.0	2.9
Home consumption pricing	Mil A\$	33.7	43.0	14.4	21.6	17.9	26.1
Export inspection	Mil A\$	5.0	4.3	3.7	4.4	5.7	4.6
Rural adjustment scheme	Mil A\$	3.2	4.7	3.9	4.4	5.2	4.3
Interest subsidy to AWB	Mil A\$	20.9	0.0	0.0	0.0	0.0	4.2
Export incentives	Mil A\$	0.1	0.9	0.3	0.0	0.0	0.3
Research	Mil A\$	15.1	22.6	22.1	21.1	29.0	22.0
Other taxation concessions	Mil A\$	26.9	13.5	16.4	15.0	15.0	17.4
Total policy transfers	Mil A\$	122.7	109.2	79.8	91.3	291.9	139.0
PSE (per unit value)	Percent	9.1	4.1	3.2	4.7	17.2	6.8
PSE (per unit quantity)	A\$/ton	13.8	5.0	4.3	9.3	6.7	7.8
	US\$/ton	14.06	4.48	3.76	6.52	4.49	6.66

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## Australia PSE's (continued)

Item	Units	1982	1983	1984	1985	1986	1982-86 ave
<b>Rice:</b>							
Level of production	1000 tons	548	632	864	688	623	671
Producer price	A\$/ton	146	127	136	122	110	128
Value to producers	Mil A\$	80	80	118	84	69	86
Policy transfers to producers:							
Fertilizer subsidies	Mil A\$	0.0	0.1	0.1	0.1	0.0	0.1
Interest concessions	Mil A\$	0.0	0.0	0.1	0.1	0.0	0.0
Home consumption pricing	Mil A\$	9.8	10.0	6.4	6.0	9.6	8.4
Rural adjustment scheme	Mil A\$	0.2	0.1	0.2	0.2	0.1	0.2
Export incentives	Mil A\$	1.9	0.2	0.0	0.0	0.0	0.4
Research	Mil A\$	0.7	0.5	0.7	0.7	0.7	0.7
Export inspection	Mil A\$	0.1	0.1	0.1	0.1	0.1	0.1
Other taxation concessions	Mil A\$	1.4	0.4	0.7	0.8	0.8	0.8
Total policy transfers	Mil A\$	14.1	11.4	8.3	10.8	14.9	11.9
PSE (per unit value)	Percent	17.6	14.2	7.0	12.9	21.8	13.8
PSE (per unit quantity)	A\$/ton	25.7	18.0	9.6	15.7	23.9	18.6
	US\$/ton	26.16	16.25	8.42	11.00	16.06	15.58
<b>Manufacturing milk:</b>							
Level of production	1000 tons	4077	4488	4585	4553	4442	4429
Producer price	A\$/ton	162	152	131	142	156	149
Value to producers	Mil A\$	660	683	600	647	693	657
Policy transfers to producers:							
Fertilizer subsidies	Mil A\$	0.1	0.1	0.1	0.1	0.0	0.1
Interest concessions	Mil A\$	0.3	0.2	0.3	0.4	0.2	0.3
Natural disaster relief	Mil A\$	24.7	14.1	5.1	5.9	3.0	10.6
Equalization	Mil A\$	115.1	143.6	124.7	127.1	127.0	127.5
Domestic price support	Mil A\$	0.2	0.0	6.2	1.3	0.2	1.6
Tuberculosis eradication	Mil A\$	0.5	0.8	1.1	0.8	1.1	0.9
Export incentives	Mil A\$	0.1	0.6	0.2	0.2	0.2	0.3
Rural adjustment scheme	Mil A\$	4.0	3.2	2.7	2.9	1.5	2.9
Research	Mil A\$	6.1	4.9	3.3	3.3	4.5	4.4
Other taxation concessions	Mil A\$	12.2	2.0	2.0	2.4	2.0	4.1
Total policy transfers	Mil A\$	163.3	169.5	145.7	144.4	139.7	152.5
PSE (per unit value)	Percent	24.7	24.8	24.3	22.3	20.2	23.2
PSE (per unit quantity)	A\$/ton	247.4	248.1	242.8	223.3	201.5	232.7
	\$/ton	251.74	223.91	213.57	156.52	135.22	196.19

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## Australia PSE's (continued)

	Units	1982	1983	1984	1985	1986	1982-86 ave
<b>Fluid milk:</b>							
Level of production	1000 tons	1622	1622	1643	1677	1697	1652
Producer price	A\$/ton	278	289	302	317	334	304
Value to producers	Mil A\$	451	468	497	532	567	503
<b>Policy transfers to producers:</b>							
Fertilizer subsidies	Mil A\$	0.1	0.1	0.1	0.1	0.0	0.1
Interest concessions	Mil A\$	0.2	0.2	0.3	0.4	0.3	0.3
Natural disaster relief	Mil A\$	17.3	10.7	5.2	6.1	3.0	8.5
Underwriting	Mil A\$	0.0	0.0	6.2	1.3	0.3	1.6
Domestic price support	Mil A\$	191.3	205.8	249.2	258.0	250.0	230.9
Tuberculosis eradication	Mil A\$	0.4	0.6	1.1	0.8	1.1	0.8
Export incentives	Mil A\$	0.1	0.5	0.3	0.3	0.0	0.2
Rural adjustment scheme	Mil A\$	2.8	2.5	2.7	2.9	1.2	2.4
Research	Mil A\$	4.2	3.7	3.4	3.4	3.4	3.6
Other taxation concessions	Mil A\$	8.5	1.5	2.1	2.5	2.2	3.4
Total policy transfers	Mil A\$	224.9	225.6	270.6	275.8	261.4	251.7
PSE (per unit value)	Percent	49.8	48.2	54.4	51.9	46.1	50.0
PSE (per unit quantity)	A\$/ton	498.5	481.6	544.4	518.8	461.3	500.9
	US\$/ton	507.16	434.58	478.90	363.58	309.46	418.73
<b>Beef and Veal:</b>							
Level of production	1000 tons	1542	1344	1310	1388	1395	1396
Producer price	A\$/ton	1305	1586	1707	1713	1740	1610
Value to producers	Mil A\$	2012	2132	2236	2378	2427	2237
<b>Policy transfers to producers:</b>							
Fertilizer subsidies	Mil A\$	12.5	13.1	13.6	18.1	0.0	11.5
Interest concessions	Mil A\$	0.9	0.6	1.1	1.1	0.7	0.9
Natural disaster relief	Mil A\$	68.8	40.7	16.9	20.0	8.0	30.9
Export inspection	Mil A\$	29.5	40.6	19.3	27.3	32.4	29.8
Tuberculosis eradication	Mil A\$	6.5	9.5	16.0	11.8	16.1	12.0
Rural adjustment scheme	Mil A\$	4.6	4.2	4.1	4.3	5.9	4.6
Beef carcass classification	Mil A\$	0.8	0.7	0.3	0.2	0.2	0.4
Export incentives	Mil A\$	0.0	1.0	0.2	0.0	0.0	0.2
Research	Mil A\$	19.8	17.5	15.5	15.5	16.0	16.9
Other taxation concessions	Mil A\$	23.4	28.2	41.4	49.0	43.0	37.0
Total policy transfers	Mil A\$	166.8	156.1	128.4	147.3	122.3	144.2
PSE (per unit value)	Percent	8.3	7.3	5.7	6.2	5.0	6.4
PSE (per unit quantity)	A\$/ton	108.2	116.1	98.0	106.1	87.6	103.2
	US\$/ton	110.05	104.81	86.21	74.36	58.80	86.85

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## Australia PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Barley:</b>							
Level of production	1000 tons	1939	4890	5554	4913	3556	4170
Producer price	A\$/ton	158	123	110	115	100	121
Value to producers	Mil A\$	307	601	612	565	356	488
Policy transfers to producers:							
Fertilizer subsidies	Mil A\$	3.4	3.6	4.6	6.1	0.0	3.5
Interest concessions	Mil A\$	0.1	0.2	0.3	0.4	0.2	0.2
Natural disaster relief	Mil A\$	0.7	1.1	0.6	0.7	0.0	0.6
Rural adjustment scheme	Mil A\$	0.6	0.9	0.8	0.8	0.9	0.8
Export incentives	Mil A\$	0.2	1.6	0.4	0.4	0.4	0.6
Research	Mil A\$	2.4	4.4	4.3	4.3	4.3	3.9
Export inspection	Mil A\$	1.4	1.2	1.0	1.2	0.9	1.1
Other taxation concessions	Mil A\$	4.9	2.7	3.3	3.9	2.6	3.5
Total policy transfers	Mil A\$	13.7	15.7	15.3	17.8	9.3	14.3
PSE (per unit value)	Percent	4.5	2.6	2.5	3.2	2.6	2.9
PSE (per unit quantity)	A\$/ton	7.0	3.2	2.8	3.6	2.6	3.8
	US\$/ton	7.16	2.89	2.42	2.54	1.76	3.35
<b>Cotton (lint and seed):</b>							
Level of production	1000 tons	265	371	659	668	578	508
Producer price	A\$/ton	577	717	501	463	476	547
Value to producers	Mil A\$	153	266	330	309	275	267
Policy transfers to producers:							
Fertilizer subsidies	Mil A\$	0.1	0.2	0.2	0.3	0.0	0.2
Interest concessions	Mil A\$	0.1	0.1	0.2	0.2	0.1	0.1
Home consumption pricing	Mil A\$	7.6	11.1	7.0	7.5	4.0	7.4
Rural adjustment scheme	Mil A\$	0.1	0.1	0.2	0.3	0.6	0.3
Export incentives	Mil A\$	2.0	2.2	0.0	0.0	0.0	0.8
Research	Mil A\$	1.3	2.1	2.4	0.4	0.8	1.4
Other taxation concessions	Mil A\$	1.5	1.9	3.0	2.3	2.0	2.1
Total policy transfers	Mil A\$	12.7	17.7	13.0	11.0	7.5	12.4
PSE (per unit value)	Percent	8.3	6.7	3.9	3.6	2.7	4.6
PSE (per unit quantity)	A\$/ton	47.9	47.7	19.7	16.4	12.9	28.9
	US\$/ton	48.76	43.05	17.35	11.52	8.68	25.87

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## Australia PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Sheepmeat:							
Level of production:							
Mutton	1000 tons	250	169	215	254	291	236
Lamb	1000 tons	280.4	296	301	311	260	290
Live sheep export	1000 head	6951	7166	6754	6347	6700	6784
Producer price:							
Mutton	A\$/ton	466	447	407	305	293	384
Lamb	A\$/ton	1055	1047	1047	823	1074	1009
Live sheep export	A\$/head	25.3	30.4	29.8	26.9	26.0	27.7
Value to producers	Mil A\$	588	603	604	504	539	568
Policy transfers to producers:							
Fertilizer subsidies	Mil A\$	2.1	2.1	1.8	2.4	0.0	1.7
Interest concessions	Mil A\$	0.2	0.2	0.3	0.4	0.3	0.3
Natural disaster relief	Mil A\$	11.4	6.3	2.2	2.6	2.0	4.9
Export inspection	Mil A\$	8.1	8.3	4.6	6.5	8.9	7.3
Rural adjustment scheme	Mil A\$	1.2	1.1	1.1	1.2	1.3	1.2
Sheepmeat marked dev fund	Mil A\$	0.0	0.6	0.5	0.5	0.3	0.4
Research	Mil A\$	5.1	4.8	3.8	3.8	5.0	4.5
Other taxation concessions	Mil A\$	4.5	3.3	3.6	4.3	3.5	3.8
Total policy transfers	Mil A\$	32.6	26.7	17.9	21.7	21.3	24.0
PSE (per unit value)	Percent	5.5	4.4	3.0	4.3	3.9	4.2
PSE (per unit quantity)	A\$/ton	4.4	3.5	2.5	3.1	2.9	3.3
	US\$/ton	4.43	3.16	2.17	2.20	1.97	2.78

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## Australia PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Summary:</b>							
<b>Policy transfers by policy</b>							
GMP direct payment	Mil A\$	0.0	0.0	0.0	0.0	218.0	43.6
Fertilizer subsidies	Mil A\$	33.7	35.2	37.6	50.0	0.0	31.3
Interest concessions	Mil A\$	2.6	2.7	4.4	5.5	3.2	3.7
Home consumption pricing	Mil A\$	99.6	98.0	96.0	106.8	90.9	98.3
Rural adjustment scheme	Mil A\$	19.9	18.6	23.4	25.2	22.6	22.0
Export incentives	Mil A\$	4.6	7.2	1.7	1.2	0.9	3.1
Research	Mil A\$	54.7	60.6	55.5	52.5	63.7	57.4
Other taxation concessions	Mil A\$	91.8	54.0	73.2	81.0	71.8	74.4
Natural disaster relief	Mil A\$	126.6	78.1	32.7	38.4	16.0	58.4
Export inspection	Mil A\$	42.6	53.2	27.6	38.2	47.0	41.7
Interest subsidy to AWB	Mil A\$	20.9	0.0	0.0	0.0	0.0	4.2
Equalization	Mil A\$	115.1	143.6	124.7	127.1	127.0	127.5
Domestic price support	Mil A\$	191.5	205.8	255.4	259.3	250.2	232.4
Tuberculosis eradication	Mil A\$	7.4	10.9	18.2	13.4	18.3	13.6
Underwriting	Mil A\$	0.0	0.0	6.2	1.3	0.3	1.6
Beef carcass classification	Mil A\$	0.8	0.7	0.3	0.2	0.2	0.4
Sheepmeat marked dev fund	Mil A\$	0.0	0.6	0.5	0.5	0.3	0.4
Sugar industrial assist	Mil A\$	0.0	0.0	0.0	0.0	22.6	4.5
Export inspection	Mil A\$	1.4	1.2	1.1	1.4	1.1	1.2
<b>Policy transfers by commodity:</b>							
Sugar	Mil A\$	62.5	38.6	79.5	84.5	89.4	70.9
Wheat	Mil A\$	122.7	109.2	79.8	91.3	291.9	139.0
Rice	Mil A\$	14.1	11.4	8.3	10.8	14.9	11.9
Manufacturing milk	Mil A\$	163.3	169.5	145.7	144.4	139.7	152.5
Fluid milk	Mil A\$	224.9	225.6	270.6	275.8	261.4	251.7
Beef and veal	Mil A\$	166.8	156.1	128.4	147.3	122.3	144.2
Barley	Mil A\$	13.7	15.7	15.3	17.8	9.3	14.3
Cotton	Mil A\$	12.7	17.7	13.0	11.0	7.5	12.4
Sheepmeat	Mil A\$	32.6	26.7	17.9	21.7	21.3	24.0
<b>PSE by commodity:</b>							
Sugar	Percent	11.9	6.6	14.9	16.6	15.0	12.9
Wheat	Percent	9.1	4.1	3.2	4.7	17.2	6.8
Rice	Percent	17.6	14.2	7.0	12.9	21.8	13.8
Manufacturing milk	Percent	24.7	24.8	24.3	22.3	20.2	23.2
Fluid milk	Percent	49.8	48.2	54.4	51.9	46.1	50.0
Beef and veal	Percent	8.3	7.3	5.7	6.2	5.0	6.4
Barley	Percent	4.5	2.6	2.5	3.2	2.6	2.9
Cotton	Percent	8.3	6.7	3.9	3.6	2.7	4.6
Sheepmeat	Percent	5.5	4.4	3.0	4.3	3.9	4.2
Total policy transfers	Mil A\$	813.2	770.4	758.5	804.6	957.6	820.9
Value to producers	Mil A\$	6119.8	8098.5	8018.2	7479.2	7219.6	7387.1
9-commodity PSE	Percent	13.3	9.5	9.5	10.8	13.3	11.1

Note: A\$ = Australian dollars

BRAZIL  
Measured Policies

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Research	all PSE's	Some benefits of research accrue to farm.	Federal expenditure on agricultural research weighted by crop value.
Production credit	all PSE's	Short-term loans at below market rates for working capital.	Estimated loan value to farmers includes interest rate subsidy and credit availability during high inflation.
Minimum price	wheat PSE	Government will buy the crop.	Subsidy is minimum price less the world price adjusted for marketing margins.
Domestic and export taxes	soybean PSE wheat PSE beef PSE poultry PSE cotton PSE	Value-added tax on most products, occasional other taxes as applied	Tax is a direct transfer from farmer to the Government.
Marketing credit and other government credit	all PSE's	Loans at below market rates	Estimated loan value to producer is interest rate subsidy and credit availability during high inflation.
Exchange rates adjustment	all PSE's	The Government controls currency exchange rates.	Adjustment to purchasing power parity exchange rate.
Export quotas or quantitative restrictions	soybean PSE cotton PSE beef PSE poultry PSE	Nontariff trade barriers effect price transmission.	The price received by farmers minus the free market price equivalent, adjusted for factors in other policies.
Price controls and subsidized imports	milk PSE poultry PSE beef PSE	Government keeps the price low price transmission.	The price received by farmers minus the free market price equivalent, adjusted for factors in other policies.
Subsidized corn sales	poultry PSE	Sale of government stocks at less than cost.	Subsidy is the market price less price paid to Government.

BRAZIL  
Unmeasured Policies

Policy instrument	Reason for no measurement
Crop insurance	Data is still being obtained.
Fuel cost	Data is still being obtained.
Fertilizer cost	Data is still being obtained.

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## Brazil PSE's

Item	Unit	1982	1983	1984	1985	1986	1982-85 ave
<b>Wheat:</b>							
Level of production	Mil tons	1.8	2.1	1.9	4.3	5.6	2.5
Producer price	Cr \$/ton	55367	150750	525500	2020796	3340000	688103
Value to producers	Mil cr \$	102374	316575	998450	8689423	18704000	2526705
Policy transfers to producers:							
Research	Mil cr \$	363	925	1653	0	0	735
Subsidized credit:	Mil cr \$	65817	177972	452108	2581983	1003465	819470
Production credit	Mil cr \$	65817	177972	452108	2581983	1003465	819470
Input subsidies:	Mil cr \$	8485	35563	100299	749442	1568197	223447
Freight subsidy	Mil cr \$	8485	35563	100299	749442	1568197	223447
General economic policy:	Mil cr \$	4380	-39708	77404	2188007	7202098	557521
Domestic & export taxes	Mil cr \$	-3408	-18457	-45950	-323145	-491703	-97740
Market intervention	Mil cr \$	22936	-9272	172954	2807693	9126779	748578
Exchange rate adjustment	Mil cr \$	-15148	-11979	-49600	-296541	-1432978	-93317
Total policy transfers	Mil cr \$	79045	174752	631464	5519432	9773760	1601173
PSE (per unit value)	Percent	77.2	55.2	63.2	63.5	52.3	63.4
PSE (per unit quantity)	Cr \$/ton	42750	83215	332349	1283589	1745314	435476
	\$/ton	199.07	165.68	195.73	224.02	126.10	196.13
<b>Soybeans:</b>							
Level of production	Mil tons	13.1	14.8	15.5	18.3	14.1	15.4
Producer price	Cr \$/ton	33030	79333	345000	880750	2161000	334528
Value to producers	Mil cr \$	433849	1170167	5361645	16098348	30470100	5766002
Policy transfers to producers:							
Research	Mil cr \$	2027	5161	9225	0	0	4103
Subsidized credit:	Mil cr \$	148438	455090	1197846	3287821	16591000	1272299
Production credit	Mil cr \$	86382	271554	1060746	2163431	15974000	895528
Marketing credit	Mil cr \$	62056	183536	137100	1124390	617000	376771
General economic policy:	Mil cr \$	-140137	-307792	-1907412	-2734865	-8188000	-1272552
Domestic & export taxes	Mil cr \$	-85108	-372464	-1580835	-3398396	-6058000	-1359201
Marketing interventions	Mil cr \$	67630	17526	-178264	-124125	2098000	-54308
Exchange rate adjustment	Mil cr \$	-122659	47146	-148313	787656	-4228000	140958
Total policy transfers	Mil cr \$	10328	152459	-700341	552956	8403000	3851
PSE (per unit value)	Percent	2.4	13.0	-13.1	3.4	27.6	0.1
PSE (per unit quantity)	Cr \$/ton	786	10336	-45064	30253	595957	-922
	\$/ton	3.66	19.88	-27.19	5.28	43.06	0.41

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## Brazil PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-85 ave
<b>Poultry:</b>							
Level of production	Mil tons	1.5	1.5	1.4	1.5	NA	1.5
Producer price	Cr \$/ton	126266	356800	1255400	3670000	NA	1352117
Value to producers	Mil cr \$	190283	531632	1707344	5468300	NA	1974390
Policy transfers to producers:							
Research	Mil cr \$	115	292	522	0	NA	232
Subsidized Credit:	Mil cr \$	24726	87036	79339	281790	NA	118223
Production credit	Mil cr \$	14272	70559	57685	259419	NA	100484
Investment credit (2 year)	Mil cr \$	2086	4055	5025	0	NA	2792
Poultry flock credit	Mil cr \$	725	1439	1759	10717	NA	3660
Marketing credit	Mil cr \$	7643	10983	14870	11654	NA	11288
Input subsidies:	Mil cr \$	0	3338	0	0	NA	835
CFP subsidy corn sales	Mil cr \$	0	3338	0	0	NA	835
General economic policy:	Mil cr \$	-873	4552	6543	5449	NA	3918
Domestic & export taxes	Mil cr \$	-2575	-7200	-23725	-76857	NA	-27589
Quantitative restrictions	Mil cr \$	3744	11988	33397	104010	NA	38285
Exchange rate adjustment	Mil cr \$	-2042	-236	-3129	-21704	NA	-6778
Total policy transfers	Mil cr \$	23968	95218	86404	287239	NA	123207
PSE (per unit value)	Percent	12.6	17.9	5.1	5.3	NA	6.2
PSE (per unit quantity)	Cr \$/ton	15904	63905	63532	192778	NA	84030
	\$/ton	74.06	127.24	37.42	33.65	NA	68.09
<b>Corn:</b>							
Level of production	Mil tons	21.8	18.7	21.2	22.0	21.0	20.9
Producer price	Cr \$/ton	16898	43944	151611	501333	1420000	178447
Value to producers	Mil cr \$	369086	823115	3208695	11037849	29820000	3859686
Policy transfers to producers:							
Research	Mil cr \$	1802	4589	8201	0	0	3648
Subsidized credit:	Mil cr \$	124848	276160	604939	1881536	9333000	721871
Production credit	Mil cr \$	109651	247669	555816	1497458	9178000	602649
Marketing credit	Mil cr \$	15197	28491	49123	384078	155000	119222
General economic policy:	Mil cr \$	-65106	-237935	-1367185	-606658	8119000	-569221
Domestic & export taxes	Mil cr \$	-63565	-254267	-1019345	-2882939	-5077000	-1055029
Marketing intervention	Mil cr \$	89196	-9054	-229002	1894759	16433000	436475
Exchange rate adjustment	Mil cr \$	-90737	25386	-118838	381522	-3237000	49333
Total policy transfers	Mil cr \$	61544	42814	-754045	1274878	17452000	156298
PSE (per unit value)	Percent	16.7	5.2	-23.5	11.6	58.5	4.0
PSE (per unit quantity)	Cr \$/ton	2818	2286	-35629	57904	831048	6845
	\$/ton	13.12	4.55	-20.98	10.11	60.05	1.70

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## Brazil PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-85 ave
<b>Rice:</b>							
Level of production	Mil tons	9.7	7.7	9.0	9.0	10.3	8.9
Producer price	Cr \$/ton	33322	64333	195556	779333	2447000	268136
Value to producers	Mil cr \$	324390	498002	1764306	7028804	25204100	2403875
Policy transfers to producers:							
Research	Mil cr \$	1147	2920	5219	0	0	2322
Subsidized credit:	Mil cr \$	99256	256195	605738	2233756	9446000	798736
Production credit	Mil cr \$	73414	174207	463017	1042593	8655000	438308
Marketing credit	Mil cr \$	25842	81988	142721	1191163	791000	360429
General economic policy:	Mil cr \$	28038	5704	-9199	1702894	6746000	431859
Domestic & export taxes	Mil cr \$	-43816	-92263	-317088	-964777	-3096000	-354486
Marketing intervention	Mil cr \$	127106	69105	328838	2741287	11744000	816584
Exchange rate adjustment	Mil cr \$	-55252	28862	-20949	-73616	-1902000	-30239
Total policy transfers	Mil cr \$	128441	264819	601758	3936650	16192000	1232917
PSE (per unit value)	Percent	39.6	53.2	34.1	56.0	64.2	51.3
PSE (per unit quantity)	Cr \$/ton	13194	34210	66699	436484	1572039	137647
	\$/ton	61.44	68.11	39.28	76.18	113.58	61.25
<b>Beef:</b>							
Level of production	Mil tons	2.4	2.4	2.3	2.4	NA	2.4
Producer price	Cr \$/ton	144811	302544	1310944	1648000	NA	851575
Value to producers	Mil cr \$	347112	715518	3015172	3955200	NA	2008251
Policy transfers to producers:							
Research	Mil cr \$	147	375	671	0	NA	298
Subsidized Credit:	Mil cr \$	38955	100642	193711	625367	NA	239669
Production credit	Mil cr \$	16775	54126	71866	544037	NA	171701
Breeding herd cattle	Mil cr \$	8975	19447	37435	42756	NA	27153
Feeder cattle credit	Mil cr \$	2694	4254	12332	37998	NA	14320
Marketing credit	Mil cr \$	10511	22815	72078	576	NA	26495
General economic policy:	Mil cr \$	1375	-69358	-630696	-5924491	NA	-1655793
Domestic & export taxes	Mil cr \$	-60800	-165472	-720029	-1815254	NA	-690389
Quantitative restrictions	Mil cr \$	121108	88421	160748	-3999133	NA	-907214
Exchange rate adjustment	Mil cr \$	-58933	7693	-71415	-110104	NA	-58190
Total policy transfers	Mil cr \$	40477	31659	-436314	-5299124	NA	-1415826
PSE (per unit value)	Percent	11.7	4.4	-14.5	-134.0	NA	-33.1
PSE (per unit quantity)	Cr \$/ton	16887	13386	-189702	-2207968	NA	-591849
	\$/ton	78.63	26.65	-111.72	-385.35	NA	-97.95

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## Brazil PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-85 ave
Summary:							
Policy transfers by policy:							
Research	Mil cr \$	5601	14262	25491	0	NA	11339
Subsidized Credit:	Mil cr \$	502040	1353095	3133681	10892253	NA	3970267
Production credit	Mil cr \$	366311	996087	2661238	8088921	NA	3028139
Marketing credit	Mil cr \$	121249	327813	415892	2711861	NA	894204
Breeding herd cattle	Mil cr \$	8975	19447	37435	42756	NA	27153
Feeder cattle credit	Mil cr \$	2694	4254	12332	37998	NA	14320
Investment credit (2 year)	Mil cr \$	2086	4055	5025	0	NA	2792
Poultry flock credit	Mil cr \$	725	1439	1759	10717	NA	3660
Input subsidies:	Mil cr \$	8485	38901	100299	749442	NA	224282
CFP subsidy corn sales	Mil cr \$	0	3338	0	0	NA	835
Freight subsidy	Mil cr \$	8485	35563	100299	749442	NA	223447
General economic policy:	Mil cr \$	-172323	-644537	-3830545	-5369664	NA	-2504267
Exchange rate adjustment	Mil cr \$	-344771	96872	-412244	667213	NA	1768
Domestic & export taxes	Mil cr \$	-259272	-910123	-3706972	-9461368	NA	-3584434
Quantitative restrictions	Mil cr \$	124852	100409	194145	-3895123	NA	-868929
Marketing intervention	Mil cr \$	306868	68305	94526	7319614	NA	1947328
Policy transfers by commodity:							
Wheat	Mil cr \$	79045	174752	631464	5519432	9773760	1601173
Soybeans	Mil cr \$	10328	152459	-700341	552956	8403000	3851
Beef	Mil cr \$	40477	31659	-436314	-5299124	NA	-1415826
Poultry	Mil cr \$	23968	95218	86404	287239	NA	123207
Corn	Mil cr \$	61544	42814	-754045	1274878	17452000	156298
Rice	Mil cr \$	128441	264819	601758	3936650	16192000	1232917
PSE by commodity:							
Wheat	Percent	77.2	55.2	63.2	63.5	52.3	63.4
Soybeans	Percent	2.4	13.0	-13.1	3.4	27.6	0.1
Beef	Percent	11.7	4.4	-14.5	-134.0	NA	-33.1
Poultry	Percent	12.6	17.9	5.1	5.3	NA	6.2
Corn	Percent	16.7	5.2	-23.5	11.6	58.5	4.0
Rice	Percent	39.6	53.2	34.1	56.0	64.2	51.3
Total policy transfers	Mil cr \$	343803	761721	-571074	6272031	NA	1701620
Value to producers	Mil cr \$	1767094	4055008	16055613	52277924	NA	18538910
6-commodity PSE	Percent	19.5	18.8	-3.6	12.0	NA	9.2

Note: Cr \$ = cruzeiros  
NA = data not available

CANADA  
Measured Policies  
(For underscored numbers in parentheses, see References below)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Research, advisory	all PSE's	Federal Government expenditures	Budget data allocated by share of cash receipts ( <u>20</u> , <u>21</u> , <u>29</u> )
Inspection services	all PSE's, except sugar	Federal Government expenditures	Budget data allocated by share of cash receipts ( <u>20</u> , <u>21</u> , <u>29</u> )
Development structure	all PSE's	Federal Government expenditures	Budget data allocated by share of cash receipts ( <u>20</u> , <u>21</u> , <u>28</u> )
Provincial programs	all PSE's	Provincial payments on various programs--lime and fertilizer subsidies, interest rebates	Budget data allocated by share of cash receipts ( <u>7</u> , <u>22</u> )
Marketing/promotion	all PSE's, except sugar and dairy	Federal Government expenditures on marketing and trade promotion	Budget data allocated by share of cash receipts ( <u>32</u> )
Fuel subsidy	all crop PSE's	Federal rebates on fuel taxes	Budget data allocated by share of cash receipts ( <u>20</u> , <u>21</u> , <u>28</u> )
Export credits	wheat PSE, CSE	Federal payments to banks for loans made in early seventies to subsidize wheat sales to Brazil and Algeria	Budget data allocated to wheat ( <u>20</u> , <u>21</u> , <u>28</u> )
ASA payments	corn PSE pork PSE soybeans PSE wheat PSE sugar PSE	Price support program that provides deficit-ency payments when market prices fall below support levels	Budget data ( <u>7</u> )
WGSP	oats PSE wheat PSE barley PSE rapeseed PSE flaxseed PSE rye PSE	Joint Federal and producer program to support income when net cash-flow falls below a 5-year average	Budget data allocated based on cash receipts ( <u>11</u> )

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Canada: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Corn competitive price policy	wheat PSE, CSE barley PSE, CSE oats PSE	CWB required to sell feed grains at regulated price based on U.S. corn price at Montreal	Estimate based on difference between corn competitive price and adjusted export unit value (13, 17)
CWB pool deficits	wheat PSE barley PSE oats PSE	Federal payments to the CWB when pools are in deficit	Federal payment entered for appropriate commodity (13)
Two-price wheat	wheat PSE, CSE	Fixed domestic price that may be above or below world price	Difference between domestic prices and export price multiplied by wheat used for food (13, 23)
Import licenses	barley PSE oats PSE	Imports only allowed under license	Difference between domestic price and U.S. price multiplied by production (10, 29)
Transportation subsidies	wheat PSE barley PSE oats PSE rye PSE rapeseed PSE flaxseed PSE	Federal expenditures to the railroads to offset low freight rates, for branch line rehabilitation	Budget data allocated based on cash receipts (19, 20, 28)
Feed freight adjustment	corn PSE	Federal grants to enhance local grain production	Budget data allocated to corn (19, 20, 28)
Feed freight assistance	beef PSE pork PSE poultry PSE dairy PSE	Federal payments that subsidize movement of feed grains to feed-deficit areas	Budget data allocated based on cash receipts (19, 20, 28)
Crop insurance	all crop PSE's	Federal and provincial governments subsidize insurance premiums and administrative costs	Government contributions based on share of cash receipts (7)
Other assistance	all PSE's, except poultry	Miscellaneous Federal expenditures (such as drought relief and interest rebates)	Budget data allocated by share of cash receipts (19, 20, 28)

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Canada: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Tariff	beef PSE, CSE pork PSE, CSE sugar PSE, CSE corn PSE, CSE	Federal tariff on imports	Tariff rate multiplied by production for PSE or consumption for CSE (8)
Quota/price support	poultry PSE, CSE	Production and imports regulated by quotas; producer prices fixed by formula that includes all costs of production	Difference between U.S. and Canadian prices, multiplied by production (2)
CDC promotion, administration	dairy PSE	Advertising, promotion, and administrative expenditures	Budget data (12)
Producer levies	dairy PSE	Producer payments for disposal of surplus dairy products	Budget data (12)
Direct payments	dairy PSE	Federal payments to producers	Budget data (12)
Quota/price support for butter and skim milk powder	dairy PSE, CSE cheese CSE fluid milk CSE butter/SMP CSE	Producer prices supported at levels above world prices	Difference between New Zealand prices for butter, SMP multiplied by milk production (5, 12)
Fluid milk premium	dairy PSE fluid milk CSE	Premium for fluid over manufacturing milk	Difference between manufacturing and fluid price times fluid production (5, 26)

CANADA  
Unmeasured Policies

Policy instrument	Reason for exclusion
Meat Import Act for beef	Only in effect during 1985; insufficient data or method to determine impacts.
Health and sanitary regulations for livestock	Insufficient data and method to determine impact on price or imports
Farm Credit Corporation	Insufficient data to determine impact on production
Food aid and export credits	Insufficient method to determine impact on production or exports
General economic and tax policy	Insufficient data and method to determine impact on production
Countervailing duties	Insufficient data and method to determine impact on production

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## Canada PSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Wheat:							
Level of production	Mil tons	27	27	21	24	31	26
Producer price	Can \$/ton	180	181	172	147	117	159
Value to producers	Mil Can \$	4835	4992	4140	4289	5162	4684
Policy transfers to producers:							
Income/price support:	Mil Can \$	24.6	189.8	484.9	733.0	1640.6	614.6
ASA payments*	Mil Can \$	0.0	10.8	0.0	0.0	0.0	2.2
WGSA*	Mil Can \$	-38.8	108.1	327.8	516.3	850.5	352.8
Crop insurance*	Mil Can \$	61.9	67.5	174.7	211.7	131.4	129.4
SCGP*	Mil Can \$	0.0	0.0	0.0	0.0	506.7	101.3
CWB pool deficit	Mil Can \$	0.0	0.0	0.0	23.0	0.0	4.6
Export credits	Mil Can \$	11.1	6.5	4.6	1.2	0.0	4.7
Corn competitive	Mil Can \$	-8.6	0.1	-0.8	0.0	0.0	-1.9
Two-price wheat	Mil Can \$	-1.0	-3.2	-21.4	-19.2	152.0	21.4
Input subsidies:	Mil Can \$	25.0	27.4	39.0	87.3	59.1	47.6
Fuel subsidy	Mil Can \$	13.1	13.5	20.4	39.8	40.5	25.5
Other financial assistance	Mil Can \$	11.9	13.9	18.6	47.5	18.6	22.1
Marketing subsidies:	Mil Can \$	454.9	609.3	683.5	463.2	704.6	583.1
Transportation	Mil Can \$	422.4	574.2	645.9	433.9	679.8	551.2
Inspection services	Mil Can \$	29.6	31.7	32.1	26.7	22.3	28.5
Marketing/promotion	Mil Can \$	2.9	3.4	5.5	2.6	2.5	3.4
Long-term, structural:	Mil Can \$	76.7	88.9	96.6	61.9	58.4	76.5
Research and advisory	Mil Can \$	51.5	61.3	59.6	46.7	43.6	52.5
Development, structure	Mil Can \$	25.2	27.6	37.0	15.2	14.8	24.0
Provincial programs:	Mil Can \$	100.5	92.5	109.9	106.9	112.8	104.5
Total policy transfers	Mil Can \$	681.7	1007.9	1413.9	1452.3	2575.5	1426.3
PSE (per unit value)	Percent	14.1	20.2	34.2	33.9	49.9	30.4
PSE (per unit quantity)	Can \$/ton	25.5	38.0	66.7	59.8	82.0	54.4
	\$/ton	20.7	30.9	51.5	43.8	59.0	41.2

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Canada PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Barley:							
Level of production	Mil tons	14	10	10	12	15	12
Producer price	Can \$/ton	96	124	115	95	65	99
Value to producers	Mil Can \$	1350	1300	1266	1336	1353	1321
Policy transfers to producers:							
Income/price support:	Mil Can \$	23.1	37.6	127.3	404.3	642.3	246.9
WGSA*	Mil Can \$	-8.7	23.4	54.0	113.8	229.5	82.4
Crop insurance*	Mil Can \$	13.9	14.2	28.8	46.7	35.5	27.8
SCGP*	Mil Can \$	0.0	0.0	0.0	0.0	138.5	27.7
CWB pool deficit	Mil Can \$	5.5	0.0	0.0	171.4	110.5	57.5
Corn competitive	Mil Can \$	4.8	0.0	-1.8	0.0	0.0	0.6
Import licenses	Mil Can \$	7.6	0.0	46.3	72.4	128.3	50.9
Input subsidies:	Mil Can \$	5.7	4.3	6.5	19.3	14.4	10.0
Fuel subsidy	Mil Can \$	3.0	1.4	3.4	8.8	8.4	5.0
Other financial assistance	Mil Can \$	2.7	2.9	3.1	10.5	6.0	5.0
Marketing subsidies:	Mil Can \$	102.5	133.8	112.5	102.2	190.5	128.3
Transportation	Mil Can \$	95.2	126.4	106.3	95.7	183.4	121.4
Inspection services	Mil Can \$	6.7	6.7	5.3	5.9	6.4	6.2
Marketing/promotion	Mil Can \$	0.6	0.7	0.9	0.6	0.7	0.7
Long-term, structural:	Mil Can \$	17.3	19.0	15.9	13.6	15.1	16.2
Research and advisory	Mil Can \$	11.6	13.1	9.8	10.3	11.2	11.2
Development, structure	Mil Can \$	5.7	5.9	6.1	3.3	3.9	5.0
Provincial programs	Mil Can \$	22.7	19.8	18.1	23.6	28.2	22.5
Total policy transfers	Mil Can \$	171.3	214.5	280.3	563.0	890.5	423.9
PSE (per unit value)	Percent	12.7	16.5	22.1	42.1	65.8	32.1
PSE (per unit quantity)	Can \$/ton	12.2	21.0	27.2	45.4	61.0	33.4
	\$/ton	9.9	17.1	21.0	33.3	43.9	25.0

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## Canada PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Oats:</b>							
Level of production	Mil tons	3.6	2.8	2.7	3.0	3.3	3.1
Producer price	Can \$/ton	83	90	94	83	58	82
Value to producers	Mil Can \$	301	255	261	261	217	259
Policy transfers to producers:							
Income/price support:	Mil Can \$	-1.7	2.4	7.7	19.9	25.4	10.7
WGSA*	Mil Can \$	-0.5	1.5	5.1	9.2	13.5	5.8
Crop insurance*	Mil Can \$	0.8	0.9	2.7	3.8	3.6	2.4
SCGP*	Mil Can \$	0.0	0.0	0.0	0.0	8.3	1.7
Corn competitive	Mil Can \$	-2.0	0.0	-0.1	0.0	0.0	-0.4
CWB pool deficit	Mil Can \$	0.0	0.0	0.0	6.9	0.0	1.4
Input subsidies:	Mil Can \$	0.4	0.4	0.6	1.5	2.5	1.1
Fuel subsidy	Mil Can \$	0.2	0.2	0.3	0.7	1.5	0.6
Other financial assistance	Mil Can \$	0.2	0.2	0.3	0.8	1.0	0.5
Marketing subsidies:	Mil Can \$	6.1	8.2	10.7	8.3	11.9	9.0
Transportation	Mil Can \$	5.7	7.8	10.1	7.8	10.8	8.4
Inspection services	Mil Can \$	0.4	0.4	0.5	0.5	1.0	0.6
Marketing/promotion	Mil Can \$	0.0	0.0	0.1	0.0	0.1	0.0
Long-term structural:	Mil Can \$	1.0	1.2	1.5	1.1	3.4	1.6
Research and advisory	Mil Can \$	0.7	0.8	0.9	0.8	2.2	1.1
Development, structure	Mil Can \$	0.3	0.4	0.6	0.3	1.2	0.6
Provincial programs	Mil Can \$	1.4	1.3	1.7	1.9	7.1	2.7
Total policy transfers	Mil Can \$	7.2	13.5	22.2	32.7	50.3	25.2
PSE (per unit value)	Percent	2.4	5.3	8.5	12.6	23.2	9.7
PSE (per unit quantity)	Can \$/ton	2.0	4.8	8.2	10.9	15.2	8.2
	\$/ton	1.6	3.9	6.3	8.0	11.0	6.2
<b>Rye:</b>							
Level of production	1000 tons	933	828	664	598	600	725
Producer price	Can \$/ton	86	110	89	80	63	86
Value to producers	Mil Can \$	81	94	66	55	60	71
Policy transfers to producers:							
Income/price support:	Can \$/ton	0.4	2.8	6.7	7.1	21.7	7.7
WGSA*	Can \$/ton	-0.5	1.7	4.4	5.0	4.6	3.0
Crop insurance*	Mil Can \$	0.9	1.1	2.3	2.1	3.6	2.0
SCGP*	Mil Can \$	0.0	0.0	0.0	0.0	13.5	2.7
Input subsidies:	Mil Can \$	0.4	0.4	0.5	0.9	0.7	0.6
Fuel subsidy	Mil Can \$	0.2	0.2	0.3	0.4	0.4	0.3
Other financial assistance	Mil Can \$	0.2	0.2	0.2	0.5	0.3	0.3
Marketing subsidies:	Mil Can \$	6.4	9.6	9.1	4.5	11.2	8.2
Transportation	Mil Can \$	6.0	9.0	8.6	4.2	10.8	7.7
Inspection services	Mil Can \$	0.4	0.5	0.4	0.3	0.3	0.4
Marketing/promotion	Mil Can \$	0.0	0.1	0.1	0.0	0.1	0.1
Long-term, structural:	Mil Can \$	1.1	1.4	1.3	0.6	0.6	1.0
Research and advisory	Mil Can \$	0.7	1.0	0.8	0.5	0.5	0.7
Development, structure	Mil Can \$	0.4	0.4	0.5	0.1	0.1	0.3
Provincial programs	Mil Can \$	1.4	1.5	1.5	1.0	3.5	1.8
Total policy transfers	Mil Can \$	9.7	15.7	19.1	14.3	37.9	19.3
PSE (per unit value)	Percent	12.0	16.7	29.0	25.9	63.6	27.2
PSE (per unit quantity)	Can \$/ton	10.4	19.0	28.8	23.8	63.1	29.0
	\$/ton	8.4	15.4	22.2	17.5	45.4	21.8

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## Canada PSE's (continued)

Item	Units	1982	1983	1984	1985	1986	1982-86 ave
<b>Corn:</b>							
Level of production	Mil Can \$	6.5	5.9	7.0	7.5	5.9	6.6
Producer price	Can \$/ton	112	160	139	115	87	123
Value to producers	Mil Can \$	731	950	987	867	606	828
Policy transfers to producers:							
Income/price support:	Mil Can \$	20.4	20.3	30.1	20.8	104.1	39.1
ASA payments*	Mil Can \$	0.2	1.0	12.5	0.3	0.0	2.8
SCGP*	Mil Can \$	0.0	0.0	0.0	0.0	74.8	15.0
Crop insurance*	Mil Can \$	3.0	4.7	1.2	4.0	17.7	6.1
Tariff	Mil Can \$	17.2	14.6	16.4	16.5	11.6	15.3
Input subsidies:	Mil Can \$	4.3	2.9	3.8	12.2	1.5	4.9
Fuel subsidy	Mil Can \$	0.6	0.9	1.3	3.3	0.5	1.3
Feed freight	Mil Can \$	2.5	0.0	0.0	0.0	0.0	0.5
Other financial assistance	Mil Can \$	1.2	2.0	2.5	8.9	1.0	3.1
Marketing subsidies:	Mil Can \$	11.6	17.8	17.4	20.1	5.3	14.4
Inspection services	Mil Can \$	11.3	17.3	16.7	19.6	5.0	14.0
Marketing/promotion	Mil Can \$	0.3	0.5	0.7	0.5	0.3	0.5
Long-term, structural:	Mil Can \$	7.9	12.5	13.1	11.5	4.8	10.0
Research and advisory	Mil Can \$	5.3	8.6	8.1	8.7	3.8	6.9
Development, structure	Mil Can \$	2.6	3.9	5.0	2.8	1.0	3.1
Provincial programs	Mil Can \$	10.4	13.0	14.9	20.0	14.1	14.5
Total policy transfers	Mil Can \$	54.6	66.5	79.3	84.6	129.8	83.0
PSE (per unit value)	Percent	7.5	7.0	8.0	9.8	21.4	10.0
PSE (per unit quantity)	Can \$/ton	8.4	11.3	11.3	11.3	22.0	12.9
	\$/ton	6.8	9.1	8.7	8.3	15.8	9.8
<b>Rapeseed:</b>							
Level of production	Mil Can \$	2.2	2.6	3.4	3.5	3.8	3.1
Producer price	Can \$/ton	271	382	351	264	199	293
Value to producers	Mil Can \$	600	1024	1306	1139	1127	1039
Policy transfers to producers:							
Income/price support:	Mil Can \$	3.4	30.4	112.1	214.5	370.5	146.2
WGSA*	Mil Can \$	-5.8	18.7	73.1	152.1	216.0	90.8
Crop insurance*	Mil Can \$	9.2	11.7	39.0	62.4	29.0	30.3
SCGP*	Mil Can \$	0.0	0.0	0.0	0.0	125.5	25.1
Input subsidies:	Mil Can \$	2.8	3.5	6.5	18	15	9.2
Fuel subsidy	Mil Can \$	2.0	2.3	4.5	11.7	10.0	6.1
Other financial assistance	Mil Can \$	0.8	1.2	2.0	6.3	5.0	3.1
Marketing subsidies:	Mil Can \$	72.4	107.2	152.5	136.5	179.3	129.6
Transportation	Mil Can \$	64.6	101.1	144.1	127.8	172.6	122.0
Inspection services	Mil Can \$	4.4	5.5	7.2	7.9	6.0	6.2
Marketing/promotion	Mil Can \$	3.4	0.6	1.2	0.8	0.7	1.3
Long-term structural:	Mil Can \$	11.4	15.4	21.5	18.3	16.7	16.7
Research and advisory	Mil Can \$	7.7	10.6	13.3	13.8	12.2	11.5
Development, structure	Mil Can \$	3.7	4.8	8.2	4.5	4.5	5.1
Provincial programs	Mil Can \$	15.0	16.0	24.5	31.5	28.2	23.0
Total policy transfers	Mil Can \$	105.00	172.50	317.10	418.80	609.70	324.6
PSE (per unit value)	Percent	17.5	16.9	24.3	36.8	54.1	29.9
PSE (per unit quantity)	Can \$/ton	47.73	66.35	93.26	119.66	160.45	97.5
	\$/ton	38.7	53.8	72.0	87.6	115.4	73.5

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## Canada PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Flaxseed:</b>							
Level of production	1000 tons	752	444	694	902	1000	758
Producer price	Can \$/ton	245	323	316	263	171	264
Value to producers	Mil Can \$	185	149	234	271	246	217
Policy transfers to producers:							
Income/price support:	Mil Can \$	1.0	5.7	14.6	33.8	75.2	26.1
WGSA*	Mil Can \$	-0.8	3.0	8.1	20.4	40.5	14.2
Crop insurance*	Mil Can \$	1.8	2.7	6.5	13.4	10.7	7.0
SCGP*	Mil Can \$	0.0	0.0	0.0	0.0	24.0	4.8
Input subsidies:	Mil Can \$	0.7	1.1	1.5	5.5	1.7	2.1
Fuel subsidy	Mil Can \$	0.4	0.5	0.8	2.5	1.0	1.0
Other financial assistance	Mil Can \$	0.3	0.6	0.7	3.0	0.7	1.1
Marketing subsidies:	Mil Can \$	9.1	17.2	17.4	19.1	33.4	19.2
Transportation	Mil Can \$	8.2	15.8	16.0	17.2	32.4	17.9
Inspection services	Mil Can \$	0.8	1.3	1.2	1.7	0.9	1.2
Marketing/promotion	Mil Can \$	0.1	0.1	0.2	0.2	0.1	0.1
Long-term, structural:	Mil Can \$	2.2	3.5	3.6	3.9	2.1	3.1
Research and advisory	Mil Can \$	1.5	2.4	2.2	2.9	1.5	2.1
Development, structure	Mil Can \$	0.7	1.1	1.4	1.0	0.6	1.0
Provincial programs	Mil Can \$	2.8	3.7	4.1	6.7	7.1	4.9
Total policy transfers	Mil Can \$	15.8	31.2	41.2	69.0	119.5	55.3
PSE (per unit value)	Percent	8.5	20.9	17.6	25.5	48.5	25.5
PSE (per unit quantity)	Can \$/ton	21.0	70.3	59.4	76.5	119.5	69.3
	\$/ton	17.0	57.0	45.8	56.0	86.0	52.4
<b>Pork:</b>							
Level of production							
carcasses	1000 tons	833	852	863	900	908	871
live exports	1000 head	305	459	1347	1013	403	705
Producer price							
carcasses	Can \$/ton	1820	1545	1584	1494	1792	1647
live exports	Can \$/head	182	154	158	149	179	164
Value to producers	Mil can \$	1572	1387	1637	1511	1699	1561
Policy transfers to producers:							
Income/price support:	Mil can \$	9.7	9.4	66.1	24.8	10.0	24.0
ASA payments*	Mil can \$	0.5	0.0	56.6	14.9	0.0	14.4
Tariff	Mil can \$	9.2	9.4	9.5	9.9	10.0	9.6
Input subsidies:	Mil can \$	3.2	3.2	8.8	14.3	12.7	8.4
Feed freight	Mil can \$	3.2	3.2	3.6	2.8	3.4	3.2
Other financial assistance	Mil can \$	0.0	0.0	5.2	11.5	9.3	5.2
Marketing subsidies:	Mil can \$	38.6	37.1	42.0	46.3	55.7	43.9
Inspection services	Mil can \$	37.2	35.8	39.6	44.9	53.5	42.2
Marketing/promotion	Mil can \$	1.4	1.3	2.4	1.4	2.2	1.7
Long-term, structural:	Mil can \$	36.5	35.4	42.0	33.4	51.3	39.7
Research and advisory	Mil can \$	24.5	24.4	25.9	25.2	36.5	27.3
Development, structure	Mil can \$	12.0	11.0	16.1	8.2	14.8	12.4
Provincial programs	Mil can \$	47.8	36.8	47.8	57.6	70.5	52.1
Total policy transfers	Mil can \$	135.8	121.9	206.7	176.4	200.2	168.2
PSE (per unit value)	Percent	8.6	8.8	12.6	11.7	11.8	10.7
PSE (per unit quantity)	Can \$/ton	163.0	143.1	239.5	195.9	220.5	192.4
	\$/ton	132.1	116.1	184.9	143.5	158.6	147.1

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## Canada PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Poultry:</b>							
Level of production	1000 tons	527	527	559	608	629	570
Producer price	Can \$/ton	1498	1493	1627	1501	1507	1525
Value to producers	Mil can \$	789	787	909	913	948	869
<b>Policy transfers to producers:</b>							
Income/price support:	Mil can \$	184.0	145.4	88.2	38.6	-56.7	79.9
Quota/price support	Mil can \$	184.0	145.4	88.2	38.6	-56.7	79.9
Input subsidies:	Mil can \$	1.3	1.4	1.7	1.4	2.0	1.6
Feed freight	Mil can \$	1.3	1.4	1.7	1.4	2.0	1.6
Marketing subsidies:	Mil can \$	15.2	16.6	19.8	22.9	28.1	20.5
Inspection services	Mil can \$	14.7	16.0	18.7	22.2	27.1	19.7
Marketing/promotion	Mil can \$	0.5	0.6	1.1	0.7	1.0	0.8
Long-term, structural:	Mil can \$	14.5	15.8	19.8	16.4	26.6	18.6
Research and advisory	Mil can \$	9.7	10.9	12.2	12.4	18.1	12.7
Development, structure	Mil can \$	4.8	4.9	7.6	4.0	8.5	6.0
Provincial programs	Mil can \$	19.0	16.5	22.5	28.5	35.3	24.4
Total policy transfers	Mil can \$	234.0	195.7	152.0	107.8	35.3	145.0
PSE (per unit value)	Percent	29.6	24.9	16.7	11.8	3.7	16.7
PSE (per unit quantity)	Can \$/ton	444.0	371.3	271.9	177.3	56.1	264.1
	\$/ton	359.9	301.3	210.0	129.8	40.4	208.3
<b>Sugar beets:</b>							
Level of production	1000 tons	1041	1167	932	400	900	888
Producer price	Can \$/ton	40	34	29	22	22	29
Value to producers	Mil can \$	42	46	39	16	32	35
<b>Policy transfers to producers:</b>							
Income/price support:	Mil can \$	1.4	7.3	12.1	3.7	12.4	7.4
ASA payments*	Mil can \$	0.0	5.9	10.2	2.4	11.8	6.1
Crop insurance*	Mil can \$	0.5	0.7	1.3	0.8	0.0	0.7
Tariff	Mil can \$	0.9	0.7	0.6	0.5	0.6	0.7
Input subsidies:	Mil can \$	0.2	0.2	0.3	8.4	2.1	2.2
Fuel subsidy	Mil can \$	0.1	0.1	0.2	0.2	0.3	0.2
Direct financial assistance*	Mil can \$	0.0	0.0	0.0	4.3	0.0	0.9
Other financial assistance	Mil can \$	0.1	0.1	0.1	3.9	1.8	1.2
Marketing subsidies:	Mil can \$	0.0	0.0	0.0	0.0	0.0	0.0
Inspection services	Mil can \$	0.0	0.0	0.0	0.0	0.0	0.0
Long-term, structural:	Mil can \$	0.6	0.9	0.7	0.3	0.2	0.5
Research and advisory	Mil can \$	0.4	0.6	0.4	0.2	0.1	0.3
Development, structure	Mil can \$	0.2	0.3	0.3	0.1	0.1	0.2
Provincial programs	Mil can \$	0.8	1.0	2.5	4.7	0.7	1.9
Total policy transfers	Mil can \$	3.0	9.4	15.6	17.1	15.4	12.1
PSE (per unit value)	Percent	7.1	20.4	40.1	105.3	48.7	34.6
PSE (per unit quantity)	Can \$/ton	2.9	8.1	16.7	42.7	17.1	17.5
	\$/ton	2.3	6.5	12.9	31.3	12.3	13.1

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## Canada PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Dairy:							
Level of production							
manufacturing	Mil tons	5.0	4.9	4.9	4.7	4.9	4.9
fluid milk	Mil tons	2.7	2.7	2.7	2.6	2.7	2.7
Producer price							
manufacturing	Can \$/ton	356	379	390	400	413	388
fluid milk	Can \$/ton	461	480	505	523	525	499
Value to producers	Mil can \$	3023	3153	3275	3242	3441	3227
Policy transfers to producers:							
Income/price support:	Mil can \$	1805.2	2249.3	2529.8	2756.0	2811.5	2430.4
Direct payments	Mil can \$	295.0	347.6	326.5	301.0	300.0	314.0
Quota/price support	Mil can \$	1229.2	1628.9	1891.2	2111.7	2200.0	1812.2
Butter support	Mil can \$	522.5	693.7	858.6	1081.3	1141.3	859.5
Skim milk powder support	Mil can \$	706.7	935.2	1032.6	1030.4	1058.7	952.7
Fluid milk premium	Mil can \$	281.0	272.8	312.1	343.3	311.5	304.1
Input subsidies:	Mil can \$	4.6	5.1	14.0	21.4	22.7	13.6
Feed freight	Mil can \$	4.6	5.1	5.7	4.2	5.0	4.9
Other financial assistance	Mil can \$	0.0	0.0	8.3	17.2	17.7	8.6
Marketing subsidies:	Mil can \$	-211.8	-176.2	-215.8	-207.3	-205.5	-203.3
CDC administration	Mil can \$	5.1	7.0	3.7	5.1	5.0	5.2
Producer levies	Mil can \$	-270.8	-240.3	-282.2	-279.3	-280.0	-270.5
Inspection services	Mil can \$	53.9	57.1	62.7	66.9	69.5	62.0
Long-term, structural:	Mil can \$	52.9	56.3	66.5	49.7	69.2	58.9
Research and advisory	Mil can \$	35.5	38.8	41.0	37.5	49.2	40.4
Development, structure	Mil can \$	17.4	17.5	25.5	12.2	20.0	18.5
Provincial programs	Mil can \$	69.3	58.6	75.6	85.8	98.7	77.6
Total policy transfers	Mil can \$	1720.2	2193.1	2470.1	2705.6	2796.6	2377.1
PSE (per unit value)	Percent	56.9	69.6	75.4	83.5	81.3	73.7
PSE (per unit quantity)	Can \$/ton	223.4	288.6	325.0	370.6	368.0	315.1
	\$/ton	181.1	234.1	251.0	271.4	264.8	240.5

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## Canada PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Soybeans:</b>							
Level of production	1000 tons	848	735	944	1048	1000	915
Producer price	Can \$/ton	250	346	272	242	227	267
Value to producers	Mil can \$	217	269	265	269	278	260
<b>Policy transfers to producers:</b>							
Income/price support:	Mil can \$	4.7	14.8	8.7	15.8	51.3	19.1
ASA payments*	Mil can \$	1.6	10.9	0.2	0.0	0.0	2.5
Crop insurance*	Mil can \$	3.1	3.9	8.5	15.8	10.7	8.4
SCGP*	Mil can \$	0.0	0.0	0.0	0.0	40.6	8.1
Input subsidies:	Mil can \$	1.2	1.6	1.9	6.6	5.6	3.4
Fuel subsidy	Mil can \$	0.6	0.8	1.0	3.0	3.7	1.8
Other financial assistance	Mil can \$	0.6	0.8	0.9	3.6	1.9	1.6
Marketing subsidies:	Mil can \$	1.6	2.0	1.9	2.2	2.4	2.0
Inspection services	Mil can \$	1.5	1.8	1.6	2.0	2.2	1.8
Marketing/promotion	Mil can \$	0.1	0.2	0.3	0.2	0.2	0.2
Long-term, structural:	Mil can \$	3.7	5.2	4.7	4.6	4.2	4.5
Research and advisory	Mil can \$	2.5	3.6	2.9	3.5	3.0	3.1
Development, structure	Mil can \$	1.2	1.6	1.8	1.1	1.2	1.4
Provincial programs	Mil can \$	5.0	5.4	5.4	8.0	7.1	6.2
Total policy transfers	Mil can \$	16.2	29.0	22.6	37.2	70.6	35.1
PSE (per unit value)	Percent	7.5	10.8	8.5	13.8	25.4	13.5
PSE (per unit quantity)	Can \$/ton	19.1	39.5	23.9	35.5	70.6	37.7
	\$/ton	15.5	32.0	18.5	26.0	50.8	28.6
<b>Beef and veal:</b>							
Level of production							
carcasses	1000 tons	1032	1036	997	1035	1040	1028
live export	1000 head	283	222	284	286	181	251
Producer price							
carcasses	Can \$/ton	2800	2737	2909	2842	2800	2818
live export	Can \$/head	635	654	700	720	739	690
Value to producers	Mil can \$	3069	2980	3099	3147	3046	3068
<b>Policy transfers to producers:</b>							
Income/price support:	Mil can \$	45.5	45.7	44.0	55.3	49.0	47.9
ASA payments	Mil can \$	0.0	0.0	0.0	9.7	3.1	2.6
Tariff	Mil can \$	45.5	45.7	44.0	45.6	45.9	45.3
Input subsidies:	Mil can \$	5.7	6.3	16.6	28.3	12.4	13.9
Feed freight	Mil can \$	5.7	6.3	6.8	5.6	5.0	5.9
Other financial assistance	Mil can \$	0.0	0.0	9.8	22.7	7.4	8.0
Marketing subsidies:	Mil can \$	69.1	74.1	79.2	91.1	72.0	77.1
Inspection services	Mil can \$	66.6	71.4	74.7	88.4	70.0	74.2
Marketing/promotion	Mil can \$	2.5	2.7	4.5	2.7	2.0	2.9
Long-term, structural:	Mil can \$	65.4	70.5	79.1	65.6	60.0	68.1
Research and advisory	Mil can \$	43.9	48.6	48.8	49.5	40.0	46.2
Development, structure	Mil can \$	21.5	21.9	30.3	16.1	20.0	22.0
Provincial programs	Mil can \$	85.7	73.3	90.0	113.4	126.9	97.9
Total policy transfers	Mil can \$	271.4	269.9	308.9	353.7	320.3	304.8
PSE (per unit value)	Percent	8.8	9.1	10.0	11.2	10.5	9.9
PSE (per unit quantity)	Can \$/ton	263.0	260.5	309.8	341.7	308.0	296.6
	\$/ton	213.2	211.4	239.2	250.3	221.6	227.1

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## Canada PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Summary:							
Policy transfers by policy:							
Income/price support:	Mil can \$	3350.9	4389.8	5423.5	6439.3	7957.3	5512.2
ASA payments	Mil can \$	2.3	28.6	79.5	27.3	14.9	30.5
WGSA	Mil can \$	-55.1	156.4	472.5	816.8	1354.6	549.0
Crop insurance	Mil can \$	95.1	107.4	265.0	360.7	242.2	214.1
SCGP	Mil can \$	0.0	0.0	0.0	0.0	931.9	186.4
CWB pool deficit	Mil can \$	5.5	0.0	0.0	201.3	110.5	63.5
Export credits	Mil can \$	11.1	6.5	4.6	1.2	0.0	4.7
Corn competitive	Mil can \$	-5.8	0.1	-2.7	0.0	0.0	-1.7
Two-price wheat	Mil can \$	-1.0	-3.2	-21.4	-19.2	152.0	21.4
Tariff	Mil can \$	72.8	70.4	70.5	72.5	68.1	70.9
Quota/price support	Mil can \$	1413.2	1774.3	1979.4	2150.3	2143.3	1892.1
Direct payments	Mil can \$	295.0	347.6	326.5	301.0	300.0	314.0
Butter support	Mil can \$	522.5	693.7	858.6	1081.3	1141.3	859.5
Skim milk powder support	Mil can \$	706.7	935.2	1032.6	1030.4	1058.7	952.7
Fluid milk premium	Mil can \$	281.0	272.8	312.1	343.3	311.5	304.1
Import licenses	Mil can \$	7.6	0	46.3	72.4	128.3	50.92
Input subsidies:	Mil can \$	55.5	57.8	101.7	225.1	152.4	118.5
Fuel subsidy	Mil can \$	20.2	19.9	32.2	70.4	66.3	41.8
Direct financial assistance	Mil can \$	0.0	0.0	0.0	4.3	0.0	0.9
Other financial assistance	Mil can \$	18.0	21.9	51.7	136.4	70.7	59.7
Feed freight	Mil can \$	17.3	16.0	17.8	14.0	15.4	16.1
Marketing subsidies:	Mil can \$	575.7	856.7	930.2	709.1	1088.9	832.1
Transportation	Mil can \$	602.1	834.3	931.0	686.6	1089.8	828.8
Inspection services	Mil can \$	227.5	245.5	260.7	287.0	264.2	257.0
Marketing/promotion	Mil can \$	11.8	10.2	17.0	9.7	9.9	11.7
CDC administration	Mil can \$	5.1	7.0	3.7	5.1	5.0	5.2
Producer levies	Mil can \$	-270.8	-240.3	-282.2	-279.3	-280.0	-270.5
Long-term, structural:	Mil can \$	291.2	326.0	366.3	280.9	312.6	315.4
Research and advisory	Mil can \$	195.5	224.7	225.9	212.0	221.9	216.0
Development, structure	Mil can \$	95.7	101.3	140.4	68.9	90.7	99.4
Provincial programs	Mil can \$	381.8	339.4	418.5	489.6	540.2	433.9

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## Canada PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Summary (continued):							
Policy transfers by commodity:							
Wheat	Mil can \$	681.7	1007.9	1413.9	1452.3	2575.5	1426.3
Barley	Mil can \$	171.3	214.5	280.3	563.0	890.5	423.9
Oats	Mil can \$	7.2	13.5	22.2	32.7	50.3	25.2
Rye	Mil can \$	9.7	15.7	19.1	14.3	37.9	19.3
Corn	Mil can \$	54.6	66.5	79.3	84.6	129.8	83.0
Rapeseed	Mil can \$	105.0	172.5	317.1	418.8	609.7	324.6
Flaxseed	Mil can \$	15.8	31.2	41.2	69.0	119.5	55.3
Pork	Mil can \$	135.8	121.9	206.7	176.4	200.2	168.2
Poultry	Mil can \$	234.0	195.7	152.0	107.8	35.3	145.0
Sugar	Mil can \$	3.0	9.4	15.6	17.1	15.4	12.1
Dairy	Mil can \$	1720.2	2193.1	2470.1	2705.6	2796.6	2377.1
Soybeans	Mil can \$	16.2	29.0	22.6	37.2	70.6	35.1
Beef and veal	Mil can \$	271.4	269.9	308.9	353.7	320.3	304.8
PSE by commodity:							
Wheat	Percent	14.1	20.2	34.2	33.9	49.9	30.4
Barley	Percent	12.7	16.5	22.1	42.1	65.8	32.1
Oats	Percent	2.4	5.3	8.5	12.6	23.2	9.7
Rye	Percent	12.0	16.7	29.0	25.9	63.6	27.2
Corn	Percent	7.5	7.0	8.0	9.8	21.4	10.0
Rapeseed	Percent	17.5	16.9	24.3	36.8	54.1	29.9
Flaxseed	Percent	8.5	20.9	17.6	25.5	48.5	25.5
Pork	Percent	8.6	8.8	12.6	11.7	11.8	10.7
Poultry	Percent	29.6	24.9	16.7	11.8	3.7	16.7
Sugar	Percent	7.1	20.4	40.1	105.3	48.7	34.6
Dairy	Percent	56.9	69.6	75.4	83.5	81.3	73.7
Soybeans	Percent	7.5	10.8	8.5	13.8	25.4	13.5
Beef and veal	Percent	8.8	9.1	10.0	11.2	10.5	9.9
Total policy transfers	Mil can \$	3425.9	4340.8	5349.0	6032.5	7851.6	5399.9
Value to producers	Mil can \$	16795.1	17386.3	17482.6	17315.2	18214.0	17438.6
13-commodity PSE	Percent	20.4	25.0	30.6	34.8	43.1	31.0

Note: Can \$ = Canadian dollars

\* Payment to producers in addition to price received.

## Canada's CSE

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Wheat:</b>							
Level of consumption	Mil tons	3.8	4.3	4.0	4.2	5.0	4.26
Wholesale price	Can \$/ton	167	177	183	177	153	171
Cost to consumers	Mil can \$	635	761	732	743	765	727
Policy transfers to consumers:							
Two-price wheat	Mil can \$	1.0	3.2	21.4	19.2	-152.0	-21.4
Corn competitive	Mil can \$	8.6	-0.1	0.8	0.0	0.0	1.9
Total policy transfers	Mil can \$	9.6	3.1	22.2	19.2	-152.0	-19.6
CSE (per unit value)	Percent	1.5	0.4	3.0	2.6	-19.9	-2.7
CSE (per unit quantity)	Can \$/ton	2.5	0.7	5.6	4.6	-30.4	-3.4
	\$/ton	2.0	0.6	4.3	3.3	-21.9	-2.3
<b>Corn:</b>							
Level of consumption	Mil tons	6.4	6.3	6.6	7.1	6.7	6.6
Wholesale price	Can \$/ton	154	193	175	146	129	159
Cost to consumers	Mil can \$	985	1217	1155	1037	864	1052
Policy transfers to consumers:							
Tariff	Mil can \$	-16.9	-15.6	-15.4	-15.6	-13.7	-15.4
Total policy transfers	Mil can \$	-16.9	-15.6	-15.4	-15.6	-13.7	-15.4
CSE (per unit value)	Percent	-1.7	-1.3	-1.3	-1.5	-1.6	-1.5
CSE (per unit quantity)	Can \$/ton	-2.6	-2.5	-2.3	-2.2	-2.0	-2.3
	\$/ton	-2.1	-2.0	-1.8	-1.6	-1.5	-1.8
<b>Barley:</b>							
Level of consumption	Mil tons	6.5	7.0	6.6	6.7	7.2	6.8
Wholesale price	Can \$/ton	100	130	133	103	82	110
Cost to consumers	Mil can \$	651	911	879	691	590	744
Policy transfers to consumers:							
Corn competitive	Mil can \$	-4.8	0.0	1.8	0.0	0.0	-0.6
Total policy transfers	Mil can \$	-4.8	0.0	1.8	0.0	0.0	-0.6
CSE (per unit value)	Percent	-0.7	0.0	0.2	0.0	0.0	-0.1
CSE (per unit quantity)	Can \$/ton	-0.7	0.0	0.3	0.0	0.0	-0.1
	\$/ton	-0.6	0.0	0.2	0.0	0.0	-0.1
<b>Beef and veal:</b>							
Level of consumption	1000 tons	1039	1039	1009	1030	1051	1034
Retail price	Can \$/ton	6142	6080	6456	6358	6478	6303
Cost to consumers	Mil can \$	6382	6317	6514	6549	6808	6514
Policy transfers to consumers:							
Tariff	Mil can \$	-45.8	-45.8	-44.5	-45.4	-46.3	-45.6
Total policy transfers	Mil can \$	-45.8	-45.8	-44.5	-45.4	-46.3	-45.6
CSE (per unit value)	Percent	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
CSE (per unit quantity)	Can \$/ton	-44.1	-44.1	-44.1	-44.1	-44.1	-44.1
	\$/ton	-35.7	-35.8	-34.1	-32.3	-31.7	-33.9

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## Canada CSE's (continued)

Item	Units	1982	1983	1984	1985	1986	1982-86 ave
<b>Pork:</b>							
Level of consumption	1000 tons	687	713	701	723	708	706
Wholesale price	Can \$/ton	4520	3868	4202	3922	4553	4213
Cost to consumers	Mil can \$	3105	2758	2946	2836	3224	2974
Policy transfers to consumers:							
Tariff	Mil can \$	-7.6	-7.8	-7.7	-8.0	-7.8	-7.8
Total policy transfers	Mil can \$	-7.6	-7.8	-7.7	-8.0	-7.8	-7.8
CSE (per unit value)	Percent	-0.2	-0.3	-0.3	-0.3	-0.2	-0.3
CSE (per unit quantity)	Can \$/ton	-11.1	-10.9	-11.0	-11.1	-11.0	-11.0
	\$/ton	-9.0	-8.9	-8.5	-8.1	-7.9	-8.5
<b>Poultry:</b>							
Level of consumption	1000 tons	523	531	557	600	629	568
Retail price	Can \$/ton	3000	3270	3683	3502	3802	3451
Cost to consumers	Mil can \$	1569	1736	2051	2101	2391	1970
Policy transfers to consumers:							
Quota & COP pricing	Mil can \$	-184.0	-145.4	-88.2	-38.6	56.7	-79.9
Total policy transfers	Mil can \$	-184.0	-145.4	-88.2	-38.6	56.7	-79.9
CSE (per unit value)	Percent	-11.7	-8.4	-4.3	-1.8	2.4	-4.1
CSE (per unit quantity)	Can \$/ton	-351.8	-273.8	-158.3	-64.3	90.1	-151.6
	\$/ton	-285.2	-222.2	-122.3	-47.1	64.9	-122.4
<b>Cheese:</b>							
Level of consumption	1000 tons	172	181	197	213	229	198
Retail price	Can \$/ton	7990	8800	9400	9800	10050	9208
Cost to consumers	Mil can \$	1374	1593	1852	2087	2301	1842
Policy transfers to consumers:							
Quota/price support	Mil can \$	-271.8	-386.1	-485.3	-610.1	-647.8	-480.2
Total policy transfers	Mil can \$	-271.8	-386.1	-485.3	-610.1	-647.8	-480.2
CSE (per unit value)	Percent	-19.8	-24.2	-26.2	-29.2	-28.1	-26.1
CSE (per unit quantity)	Can \$/ton	-1580.2	-2133.1	-2463.5	-2864.3	-2828.8	-2374.0
	\$/ton	-1281.1	-1730.8	-1902.5	-2098.4	-2035.3	-1809.6
<b>Fluid milk:</b>							
Level of consumption	Mil tons	2.7	2.7	2.7	2.6	2.7	2.7
Retail price	Can \$/ton	0.87	0.91	0.99	1.05	1.06	1.0
Cost to consumers	Mil can \$	2349	2457	2673	2730	2862	2614
Policy transfers to consumers:							
Fluid milk premium	Mil can \$	-281.0	-272.8	-312.1	-343.3	-311.5	-304.1
Quota/price support	Mil can \$	-431.4	-578.2	-671.3	-751.8	-809.6	-648.5
Total policy transfers	Mil can \$	-712.4	-851.0	-983.4	-1095.1	-1121.1	-952.6
CSE (per unit value)	Percent	-30.3	-34.6	-36.8	-40.1	-39.2	-36.4
CSE (per unit quantity)	Can \$/ton	-263.9	-315.2	-364.2	-421.2	-415.2	-355.9
	\$/ton	-213.9	-255.7	-281.3	-308.6	-298.8	-271.7

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Canada CSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Sugar:</b>							
Level of consumption	1000 tons	1006	990	1070	1033	1042	1028
Retail price	Can \$/ton	790	920	770	680	700	772
Cost to consumers	Mil can \$	795	911	824	702	729	792
Policy transfers to consumers:							
Tariff	Mil can \$	-31.0	-30.6	-33.0	-31.9	-32.2	-31.7
Total policy transfers	Mil can \$	-31.0	-30.6	-33.0	-31.9	-32.2	-31.7
CSE (per unit value)	Percent	-3.9	-3.4	-4.0	-4.5	-4.4	-4.0
CSE (per unit quantity)	Can \$/ton	-30.8	-30.9	-30.8	-30.9	-30.9	-30.9
	\$/ton	-25.0	-25.1	-23.8	-22.6	-22.2	-23.7
<b>Butter:</b>							
Level of consumption	1000 tons	110	108	107	103	98	105
Retail price	Can \$/ton	4920	5220	5510	5530	5700	5376
Cost to consumers	Mil can \$	541	564	590	570	559	565
Policy transfers to consumers:							
Quota/price support	Mil can \$	-328.2	-432.7	-497.7	-557.1	-530.4	-469.2
Total policy transfers	Mil can \$	-328.2	-432.7	-497.7	-557.1	-530.4	-469.2
CSE (per unit value)	Percent	-60.6	-76.8	-84.4	-97.8	-95.0	-83.1
CSE (per unit quantity)	Can \$/ton	-2983.6	-4006.5	-4651.4	-5408.7	-5412.2	-4492.5
	\$/ton	-2418.8	-3250.9	-3592.3	-3962.4	-3894.1	-3423.7
<b>Non-fat dry milk:</b>							
Level of consumption	1000 tons	113	124	111	106	99	111
Retail price	Can \$/ton	5110	5560	6070	4130	4250	5024
Cost to consumers	Mil can \$	577	689	674	438	421	560
Policy transfers to consumers:							
Quota/price support	Mil can \$	-168.3	-221.9	-255.3	-285.7	-272.0	-240.6
Total policy transfers	Mil can \$	-168.3	-221.9	-255.3	-285.7	-272.0	-240.6
CSE (per unit value)	Percent	-29.1	-32.2	-37.9	-65.3	-64.6	-43.0
CSE (per unit quantity)	Can \$/ton	-1489.4	-1789.5	-2300.0	-2695.3	-2747.5	-2204.3
	\$/ton	-1207.4	-1452.0	-1776.3	-1974.6	-1976.8	-1677.4

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Canada CSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Summary:							
Policy transfers by policy:							
Two-price wheat	Mil can \$	1	3	21	19	-152	-21
Corn competitive	Mil can \$	4	-0	3	0	0	1
Tariff	Mil can \$	-101	-100	-101	-101	-100	-101
Quota/price support	Mil can \$	-1384	-1764	-1998	-2243	-2203	-1918
Fluid milk premium	Mil can \$	-281	-273	-312	-343	-312	-304
Policy transfers by commodity:							
Wheat	Mil can \$	10	3	22	19	-152	-20
Corn	Mil can \$	-17	-16	-15	-16	-14	-15
Barley	Mil can \$	-5	0	2	0	0	-1
Beef and veal	Mil can \$	-46	-46	-45	-45	-46	-46
Pork	Mil can \$	-8	-8	-8	-8	-8	-8
Poultry	Mil can \$	-184	-145	-88	-39	57	-80
Cheese	Mil can \$	-272	-386	-485	-610	-648	-480
Fluid milk	Mil can \$	-712	-851	-983	-1095	-1121	-953
Butter	Mil can \$	-328	-433	-498	-557	-530	-469
Non-fat dry milk	Mil can \$	-168	-222	-255	-286	-272	-241
Sugar	Mil can \$	-31	-31	-33	-32	-32	-32
CSE by commodity:							
Wheat	Percent	1.51	0.41	3.03	2.58	-19.87	-2.69
Corn	Percent	-1.72	-1.28	-1.33	-1.50	-1.59	-1.47
Barley	Percent	-0.74	0.00	0.20	0.00	0.00	-0.08
Beef and veal	Percent	-0.72	-0.73	-0.68	-0.69	-0.68	-0.70
Pork	Percent	-0.24	-0.28	-0.26	-0.28	-0.24	-0.26
Poultry	Percent	-11.73	-8.37	-4.30	-1.84	2.37	-4.06
Cheese	Percent	-19.78	-24.24	-26.21	-29.23	-28.15	-26.08
Fluid milk	Percent	-30.33	-34.64	-36.79	-40.11	-39.17	-36.44
Butter	Percent	-60.64	-76.75	-84.42	-97.81	-94.95	-83.11
Non-fat dry milk	Percent	-29.15	-32.19	-37.89	-65.26	-64.65	-42.98
Sugar	Percent	-3.90	-3.36	-4.01	-4.54	-4.41	-4.01
Total policy transfers	Mil can \$	-1761	-2134	-2387	-2668	-2767	-2343
Cost to consumers	Mil can \$	18963	19915	20889	20484	21515	20353
11-commodity CSE	Percent	-9.3	-10.7	-11.4	-13.0	-12.9	-11.5

Note: Can \$ = Canadian dollars

\* Payment to producers in addition to price received.



EUROPEAN COMMUNITY  
Measured Policies  
(For underscored numbers in parentheses, see References below)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Trade measures	all PSE's and CSE'S, except oilseeds	Internal prices are kept above world prices by variable levies tied to a minimum import price and the insulation of the domestic market from surpluses by intervention buying or export subsidies.	Estimates are the wedge between EC internal market prices ( <u>1</u> , <u>2</u> , <u>4</u> , <u>5</u> , <u>12</u> ) and world prices ( <u>1</u> , <u>4</u> , <u>6</u> , <u>11</u> , <u>14</u> ). Local currencies were converted to ECU's by market exchange rates ( <u>9</u> ) and weighted by production or consumption shares ( <u>1</u> , <u>7</u> , <u>8</u> , <u>10</u> , <u>13</u> ).
Deficiency payments	rapeseed PSE soybean PSE	Payment is equal to the difference between an EC "target" price and the world price.	Budget data are in ( <u>1</u> ) and ( <u>3</u> ).
Acreage payments	durum wheat PSE	Payment is made on acreage basis to producers in regions having low yields.	Budget data are in ( <u>1</u> ) and ( <u>3</u> ).
Headage payments	beef & veal PSE	Payment is made to encourage a shift from dairy to beef production.	Budget data are in ( <u>1</u> ) and ( <u>3</u> ).
Conversion payments	dairy PSE	Payments per ton of milk encourage a shift from dairy to beef production.	Budget data are in ( <u>1</u> ) and ( <u>3</u> ).
Producer levies	sugar PSE	Taxes are levied on producers to finance disposal costs.	Budget data are in ( <u>1</u> ) and ( <u>3</u> ).
	dairy PSE	Taxes are levied on producers to finance promotional and market research measures, to improve the quality of milk in the EC, and to subsidize liquid milk consumption in schools.	

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European Community: Measured policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Producer levies	barley PSE durum wheat PSE soft wheat PSE corn PSE	In grains, a volume-related tax is placed on marketed production to reduce oversupply.	Budget data are in (1) and (3).
Other payments	sheepmeat PSE	These include aggregated headage and deficiency payments.	Budget data are in (1) and (3).
Extension of market	dairy PSE	Expenditures are to finance promotional and market research measures and to improve the quality of milk in the EC.	Budget data are in (1).
Structural programs	all PSE's	These programs are designed to enhance the efficiency of agriculture in selected regions by promoting structural improvements.	Budget data are in (3). Some expenditures are broken out by commodity. Other expenditures were allocated by their relative values of production.
Consumer subsidies	liquid milk CSE butter CSE	Various programs provide liquid milk and butter at reduced prices.	

EUROPEAN COMMUNITY  
Unmeasured Policies

Policy instrument	Reason for no measurement
National programs	Significant data problems
Export promotions	Significant data problems
Input tariffs on machinery, fertilizers, and chemicals	Significant data problems

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## EC-10 PSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Rapeseed:</b>							
Level of production	Mil ton	2.7	2.5	3.5	3.7	3.7	3.2
Producer price	Ecu/ton	465	495	501	489	468	484
Value to producers	Mil ecu	1246	1232	1744	1810	1732	1553
Policy transfers to producers:							
Deficiency payments	Mil ecu	618.0	450.7	288.4	948.8	1167.8	694.7
Structural policy	Mil ecu	1.6	1.8	1.7	1.4	0.9	1.5
Total policy transfers	Mil ecu	619.6	452.5	290.1	950.2	1168.7	696.2
PSE (per unit value)	Percent	49.7	36.7	16.6	52.5	67.5	44.6
PSE (per unit quantity)	Ecu/ton	231.2	181.7	83.3	256.8	315.9	216.9
	US\$/ton	226.49	161.78	65.76	195.97	310.70	192.1
<b>Rice (paddy):</b>							
Level of production	Mil ton	1.12	1.14	1.11	1.29	1.27	1.19
Producer price	Ecu/ton	339	338	384	342	340	349
Value to producers	Mil ecu	379	386	427	442	432	413
Policy transfers to producers:							
Trade measures	Mil ecu	110.9	89.1	184.0	257.8	315.8	191.5
Structural policy	Mil ecu	0.9	1.0	0.9	0.9	0.9	0.9
Total policy transfers	Mil ecu	111.8	90.1	184.9	258.7	316.7	192.4
PSE (per unit value)	Percent	29.5	23.4	43.3	58.6	73.3	46.6
PSE (per unit quantity)	Ecu/ton	99.8	79.0	166.6	200.5	249.3	159.1
	US\$/ton	97.78	70.33	131.44	153.02	245.27	139.57
<b>Barley:</b>							
Level of production	Mil ton	41	36	44	41	39	40
Producer price	1000 tons	178	192	185	171	163	178
Value to producers	Mil ecu	7353	6929	8187	6958	6416	7169
Policy transfers to producers:							
Trade measures	Mil ecu	247.6	1495.0	122.8	666.4	2523.2	1011.0
Structural policy	Mil ecu	9.7	10.9	10.1	9.2	7.8	9.5
Producer levy*	Mil ecu	0.0	0.0	0.0	0.0	-17.4	-3.5
Total policy transfers	Mil ecu	257.3	1505.9	132.9	675.6	2513.6	1017.1
PSE (per unit value)	Percent	3.5	21.7	1.6	9.7	39.2	14.2
PSE (per unit quantity)	Ecu/ton	1.2	6.6	0.6	3.2	12.4	4.8
	US\$/ton	1.15	5.88	0.46	2.44	12.20	4.4

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## EC-10 PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Soybeans:</b>							
Level of production	1000 tons	31	92	155	343	912	307
Producer price	Ecu/ton	464	494	494	507	507	493
Value to producers	Mil ecu	14	45	77	174	462	154
Policy transfers to producers:							
Deficiency payments	Mil ecu	7.30	6.20	32.70	115.50	200.20	72.38
Structural policy	Mil ecu	0.02	0.03	0.02	0.12	0.20	0.08
Total policy transfers	Mil ecu	7.32	6.23	32.72	115.62	200.40	72.46
PSE (per unit value)	Percent	50.8	13.7	42.7	66.4	43.4	46.9
PSE (per unit quantity)	Ecu/ton	236.1	67.7	211.1	337.1	219.7	214.4
	US\$/ton	231.34	60.28	166.57	257.23	216.15	186.31
<b>Durum wheat:</b>							
Level of production	Mil tons	4.1	3.9	6.1	5.4	6.9	4.9
Producer price	Ecu/ton	277	301	309	298	284	296
Value to producers	Mil ecu	1286	1388	2091	1836	2158	1650
Policy transfers to producers:							
Direct payments*	Mil ecu	165.8	218.5	200.3	242.5	210.8	206.8
Trade measures	Mil ecu	291.2	226.2	556.6	627.7	919.5	425.4
Structural policy	Mil ecu	1.9	2.0	1.8	1.1	2.8	1.7
Producer levy	Mil ecu	0.0	0.0	0.0	0.0	-3.0	0.0
Total policy transfers	Mil ecu	458.9	446.7	758.7	871.3	1130.1	633.9
PSE (per unit value)	Percent	35.7	32.2	36.3	47.5	52.4	38.4
PSE (per unit quantity)	Ecu/ton	113.3	114.8	124.0	162.9	164.5	128.7
	US\$/ton	111.01	102.23	97.81	124.28	161.82	108.83
<b>Soft wheat:</b>							
Level of production	Mil ton	56	55	70	60	60	60
Producer price	Ecu/ton	193	194	186	179	173	185
Value to producers	Mil ecu	10725	10693	13031	10757	10422	11126
Policy transfers to producers:							
Trade measures	Mil ecu	2872.6	1033.0	465.3	3326.2	6139.8	2767.4
Structural policy	Mil ecu	22.8	25.7	23.9	21.5	19.2	22.6
Producer levy	Mil ecu	0.0	0.0	0.0	0.0	-26.7	-5.3
Total policy transfers	Mil ecu	2895.4	1058.7	489.2	3347.7	6132.3	2784.7
PSE (per unit value)	Percent	27.0	9.9	3.8	31.1	58.8	25.0
PSE (per unit quantity)	Ecu/ton	52.0	19.2	7.0	55.7	101.7	47.1
	US\$/ton	50.93	17.07	5.50	42.54	100.00	43.2

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## EC-10 PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Corn:</b>							
Level of production	Mil ton	19.8	19.8	20.3	22.0	21.2	20.6
Producer price	Ecu/ton	182	197	204	181	186	190
Value to producers	Mil ecu	3595	3899	4132	3988	3949	3913
Policy transfers to producers:							
Trade measures	Mil ecu	699.8	1.6	237.1	1436.1	2456.1	966.1
Structural policy	Mil ecu	5.3	5.9	5.5	6.5	6.0	5.8
Producer levy	Mil ecu	0.0	0.0	0.0	0.0	-9.2	-1.8
Total policy transfers	Mil ecu	705.1	7.5	242.6	1442.6	2452.9	970.2
PSE (per unit value)	Percent	19.6	0.2	5.9	36.2	62.1	24.8
PSE (per unit quantity)	Ecu/ton	35.6	0.4	12.0	65.5	115.5	45.8
	US\$/ton	34.89	0.34	9.43	50.02	113.65	41.66
<b>Sugar:</b>							
Level of production (quota)	Mil ton	12.4	10.8	12.6	12.4	12.6	12.2
Level of production ("C")	Mil ton	2.6	1.0	0.8	1.3	1.4	1.4
Producer price (quota)	Ecu/ton	426	443	443	448	449	442
Producer price ("C")	Mil ecu	193	264	149	164	174	189
Value to producers	Mil ecu	5077	4115	4537	4697	4815	4648
Policy transfers to producers:							
Producer levy*	Mil ecu	-705.8	-948.0	-1176.4	-1057.4	-1111.5	-999.8
Trade measures	Mil ecu	2890.4	1940.5	3710.3	3511.1	3476.1	3105.7
Structural policy	Mil ecu	7.0	7.9	7.4	2.4	2.6	5.5
Total policy transfers	Mil ecu	2191.6	1000.4	2541.3	2456.1	2367.2	2111.3
PSE (per unit value)	Percent	43.2	24.3	56.0	52.3	49.2	45.4
PSE (per unit quantity)	Ecu/ton	146.2	84.5	189.1	179.6	168.4	153.6
	US\$/ton	143.22	75.26	149.17	137.03	165.66	134.07
<b>Milk:</b>							
Level of production	Mil ton	112	115	113	112	121	114
Producer price	Ecu/ton	243	255	265	263	267	259
Value to producers	Mil ecu	26674	28875	29153	28910	31502	29023
Policy transfers to producers:							
Conversion*	Mil ecu	88.0	92.0	59.0	41.2	9.5	57.9
Producer levy*	Mil ecu	-537.3	-527.4	-749.2	-637.3	-717.1	-633.7
Trade measures	Mil ecu	9407.3	10039.5	12210.3	12922.5	20888.7	13093.7
Extension of market	Mil ecu	105.7	154.2	183.7	210.0	204.7	171.7
Structural policy	Mil ecu	56.4	63.4	58.9	129.6	253.8	112.4
Total policy transfers	Mil ecu	9120.1	9821.7	11762.7	12665.9	20639.6	12802.0
PSE (per unit value)	Percent	34.2	34.0	40.3	43.8	65.5	44.1
PSE (per unit quantity)	Ecu/ton	81.8	85.4	104.5	112.9	171.0	111.1
	US\$/ton	80.13	76.03	82.42	86.12	168.26	98.59

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## EC-10 PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Beef &amp; Veal:</b>							
Level of production							
Veal	Mil ton	0.80	0.83	0.90	0.89	0.91	0.87
Beef	Mil ton	5.8	6.1	6.6	6.5	6.6	6.3
Producer price							
Veal	Ecu/ton	4631	4653	4500	4622	4714	4624
Beef	Ecu/ton	3544	3873	3853	3023	2848	3428
Value to producers	Mil ecu	24431	27750	29934	24063	23219	25880
Policy transfers to producers:							
Acreage/headage*	Mil ecu	173.6	275.9	339.6	313.1	236.9	267.8
Trade measures (veal)	Mil ecu	1308.1	1287.8	1002.6	1002.1	905.6	1101.2
Trade measures (beef)	Mil ecu	7713.3	10118.3	13358.5	11923.1	7144.8	10051.6
Structural policy	Mil ecu	91.0	101.9	94.6	130.5	195.2	122.6
Total policy transfers	Mil ecu	9285.9	11783.9	14795.3	13368.7	8482.5	11543.3
PSE (per unit value)	Percent	38.0	42.5	49.4	55.6	36.5	44.6
PSE (per unit quantity)	Ecu/ton	1407.0	1701.2	1964.8	1810.1	1134.7	1603.6
	US\$/ton	1378.40	1514.37	1550.26	1381.25	1116.22	1388.10
<b>Pigmeat:</b>							
Level of production	Mil ton	10	11	11	12	12	11
Producer price	Ecu/ton	1672	1577	1668	1658	1477	1610
Value to producers	Mil ecu	17026	16587	17594	19537	17865	17722
Policy transfers to producers:							
Trade measures	Mil ecu	1959.6	2480.9	1319.4	2636.4	4806.7	2640.6
Structural policy	Mil ecu	33.2	37.1	34.5	47.0	39.1	38.2
Total policy transfers	Mil ecu	1992.8	2518.0	1353.9	2683.3	4845.7	2678.8
PSE (per unit value)	Percent	11.7	15.2	7.7	13.7	27.1	15.1
PSE (per unit quantity)	Ecu/ton	195.7	239.4	128.4	227.7	400.5	238.3
	US\$/ton	191.73	213.11	101.27	173.72	394.00	214.77
<b>Poultrymeat:</b>							
Level of production	Mil ton	4.4	4.3	4.3	4.4	4.5	4.4
Producer price	Ecu/ton	1317	1414	1540	1555	1454	1456
Value to producers	Mil ecu	5791	6096	6614	6825	6590	6383
Policy transfers to producers:							
Trade measures	Mil ecu	1239.1	1968.0	1680.8	2002.9	2195.3	1817.2
Structural policy	Mil ecu	12.8	14.4	13.3	8.6	20.5	13.9
Total policy transfers	Mil ecu	1251.9	1982.4	1694.1	2011.6	2215.7	1831.1
PSE (per unit value)	Percent	21.6	32.5	25.6	29.5	33.6	28.7
PSE (per unit quantity)	Ecu/ton	284.7	459.8	394.4	458.3	488.9	417.2
	US\$/ton	278.94	409.36	311.21	349.74	480.92	366.03
<b>Sheepmeat:</b>							
Level of production	Mil ton	0.71	0.73	0.74	0.74	0.70	0.72
Producer price	Ecu/ton	3713	3547	3885	3609	4174	3786
Value to producers	Mil ecu	2888	2891	3289	3184	3551	3161
Policy transfers to producers:							
Direct payments*	Mil ecu	251.7	305.6	433.5	502.4	617.0	422.0
Trade measures	Mil ecu	874.1	917.1	990.6	745.2	1474.8	1000.3
Structural policy	Mil ecu	12.8	14.3	13.3	15.8	22.9	15.8
Total policy transfers	Mil ecu	1138.6	1237.0	1437.4	1263.4	2114.7	1438.2
PSE (per unit value)	Percent	39.4	42.8	43.7	39.7	59.5	45.5
PSE (per unit quantity)	Ecu/ton	1603.7	1696.8	1955.6	1700.4	3008.1	1992.9
	\$/ton	1571.11	1510.53	1542.96	1297.55	2958.94	1776.22

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## EC-10 PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Summary:							
Policy transfers by policy :							
Trade measures	Mil ecu	29614	31597	35838	41057	53246	38172
Deficiency payments	Mil ecu	625	457	321	1064	1368	767
Acreage/headage	Mil ecu	174	276	340	313	237	268
Conversion	Mil ecu	88	92	59	41	9	58
Producer levy	Mil ecu	-1243	-1475	-1926	-1695	-1885	-1644
Direct payments	Mil ecu	418	524	634	745	828	629
Structural policy	Mil ecu	255	286	266	375	572	351
Extension of market	Mil ecu	106	154	184	210	205	172
Policy transfers by commodity:							
Rapeseed	Mil ecu	620	453	290	950	1169	696
Rice	Mil ecu	112	90	185	259	317	192
Barley	Mil ecu	257	1506	133	676	2514	1017
Soybeans	Mil ecu	7	6	33	116	200	72
Durum wheat	Mil ecu	459	447	759	871	1130	634
Soft wheat	Mil ecu	2895	1059	489	3348	6132	2785
Corn	Mil ecu	705	7	243	1443	2453	970
Sugar	Mil ecu	2192	1000	2541	2456	2367	2111
Milk	Mil ecu	9120	9822	11763	12666	20640	12802
Beef & Veal	Mil ecu	9286	11784	14795	13369	8482	11543
Pigmeat	Mil ecu	1993	2518	1354	2683	4846	2679
Poultrymeat	Mil ecu	1252	1982	1694	2012	2216	1831
Sheepmeat	Mil ecu	1139	1237	1437	1263	2115	1438
PSE by commodity:							
Rapeseed	Percent	49.7	36.7	16.6	52.5	67.5	44.6
Rice	Percent	29.5	23.4	43.3	58.6	73.3	46.6
Barley	Percent	3.5	21.7	1.6	9.7	39.2	14.2
Soybeans	Percent	50.8	13.7	42.7	66.4	43.4	46.9
Durum wheat	Percent	35.7	32.2	36.3	47.5	52.4	38.4
Soft wheat	Percent	27.0	9.9	3.8	31.1	58.8	25.0
Corn	Percent	19.6	0.2	5.9	36.2	62.1	24.8
Sugar	Percent	43.2	24.3	56.0	52.3	49.2	45.4
Milk	Percent	34.2	34.0	40.3	43.8	65.5	44.1
Beef & Veal	Percent	38.0	42.5	49.4	55.6	36.5	44.6
Pigmeat	Percent	11.7	15.2	7.7	13.7	27.1	15.1
Poultrymeat	Percent	21.6	32.5	25.6	29.5	33.6	28.7
Sheepmeat	Percent	39.4	42.8	43.7	39.7	59.5	45.5
Total policy transfers	Mil ecu	30036	31911	35716	42111	54580	38772
Value to producers	Mil ecu	103598	107995	117522	109997	109560	109633
13-commodity PSE	Percent	29.0	29.5	30.4	38.3	49.8	35.4

Notes: ecu = European Community unit

1986 estimates are preliminary.

\* Payment to producer in addition to price received.



## EC-10 CSE's

Item	Unit	1982	1983	1984	1985	1982-85 ave
<b>Rice:</b>						
Level of consumption	Mil tons	1.4	1.5	1.2	1.2	1.3
Consumer price	Ecu/ton	1281	1443	1476	1563	1441
Cost to consumers	Mil ecu	1781	2165	1771	1876	1898
Policy transfers to consumers:						
Trade measures	Mil ecu	-170.60	-146.08	-196.94	-243.96	-189.40
Total policy transfers	Mil ecu	-170.60	-146.08	-196.94	-243.96	-189.40
CSE (per unit value)	Percent	-9.58	-6.75	-11.12	-13.01	-9.98
CSE (per unit quantity)	Ecu/ton	-122.73	-97.39	-164.12	-203.30	-146.88
	US\$/ton	-120.24	-86.69	-129.49	-266.42	-150.71
<b>Durum wheat:</b>						
Level of consumption	Mil tons	3.8	3.7	4.4	4.3	4.1
Consumer price	Ecu/ton	298	318	302	303	305
Cost to consumers	Mil ecu	1132	1177	1338	1303	1237
Policy transfers to consumers:						
Trade measures	Mil ecu	-273.23	-215.18	-402.63	-502.15	-348.30
Total policy transfers	Mil ecu	-273.23	-215.18	-402.63	-502.15	-348.30
CSE (per unit value)	Percent	-24.13	-18.29	-30.10	-38.54	-28.15
CSE (per unit quantity)	Ecu/ton	-71.90	-58.16	-90.89	-116.78	-84.43
	US\$/ton	-70.44	-51.77	-71.71	-153.03	-86.74
<b>Soft wheat:</b>						
Level of consumption						
Human	Mil tons	22	22	23	23	23
Animal	Mil tons	18.6	24.8	25.2	25.4	24
Consumer price						
Bread wheat	Ecu/ton	212.5	215.7	207.1	206.7	210
Feed wheat	Ecu/ton	173.9	173.3	188.4	223.5	190
Cost to consumers	Mil ecu	7972	9098	9468	10452	9248
Policy transfers to consumers:						
Trade measures	Mil ecu	-1940.90	-724.61	-235.41	-2561.11	-1365.51
Total policy transfers	Mil ecu	-1940.90	-724.61	-235.41	-2561.11	-1365.51
CSE (per unit value)	Percent	-24.35	-7.96	-2.49	-24.50	-14.77
CSE (per unit quantity)	Ecu/ton	-47.45	-15.40	-4.90	-52.81	-30.14
	US\$/ton	-46.49	-13.71	-3.87	-69.20	-33.32

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EC-10 CSE's (Continued)

Item	Unit	1982	1983	1984	1985	1982-85 ave
<b>Barley:</b>						
Level of consumption	Mil tons	35	33	33	32	33
Consumer price	Ecu/ton	197	208	196	226	207
Cost to consumers	Mil ecu	6807	6931	6494	7149	6846
Policy transfers to consumers:						
Trade measures	Mil ecu	-207.06	-1378.40	-91.85	-515.87	-548.30
Total policy transfers	Mil ecu	-207.06	-1378.40	-91.85	-515.87	-548.30
CSE (per unit value)	Percent	-3.04	-19.89	-1.41	-7.22	-8.01
CSE (per unit quantity)	Ecu/ton	-5.99	-41.37	-2.77	-16.34	-16.62
	US\$/ton	-5.86	-36.83	-2.19	-21.41	-16.57
<b>Corn:</b>						
Level of consumption	Mil tons	24	24	23	22	23
Consumer price	Ecu/ton	227	232	238	221	229
Cost to consumers	Mil ecu	5423	5594	5474	4885	5344
Policy transfers to consumers:						
Trade measures	Mil ecu	-859.71	-13.95	-270.74	-1446.67	-647.77
Total policy transfers	Mil ecu	-859.71	-13.95	-270.74	-1446.67	-647.77
CSE (per unit value)	Percent	-15.85	-0.25	-4.95	-29.61	-12.12
CSE (per unit quantity)	Ecu/ton	-35.99	-0.58	-11.77	-65.37	-28.43
	US\$/ton	-35.26	-0.52	-9.29	-85.67	-32.68
<b>Sugar (white):</b>						
Level of consumption	Mil tons	9.5	9.3	9.4	9.2	9.4
Consumer price	Ecu/ton	796	842	888	879	851
Cost to consumers	Mil ecu	7541	7841	8347	8115	7961
Policy transfers to consumers:						
Trade measures	Mil ecu	-2211.23	-1671.86	-2779.43	-2622.17	-2321.17
Total policy transfers	Mil ecu	-2211.23	-1671.86	-2779.43	-2622.17	-2321.17
CSE (per unit value)	Percent	-29.32	-21.32	-33.30	-32.31	-29.16
CSE (per unit quantity)	Ecu/ton	-233.40	-179.50	-295.68	-284.00	-248.15
	US\$/ton	-228.66	-159.79	-233.29	-372.17	-248.48

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## EC-10 CSE's (Continued)

Item	Units	1982	1983	1984	1985	1982-85 ave
<b>Fluid milk:</b>						
Level of consumption	Mil tons	28	28	25	29	27
Consumer price	Ecu/ton	626	648	625	649	637
Cost to consumers	Mil ecu	17403	17976	15925	18613	17479
Policy transfers to consumers:						
Trade measures	Mil ecu	-2345.20	-2421.20	-3007.50	-3298.20	-2768.03
Consumer subsidies	Mil ecu	322.70	332.60	298.60	303.83	314.43
Total policy transfers	Mil ecu	-2022.50	-2088.60	-2708.90	-2994.37	-2453.59
CSE (per unit value)	Percent	-11.62	-11.62	-17.01	-16.09	-14.04
CSE (per unit quantity)	Ecu/ton	-72.76	-75.31	-106.31	-104.44	-89.71
	US\$/ton	-71.29	-67.04	-83.88	-136.87	-89.77
<b>Beef &amp; Veal:</b>						
Level of consumption						
Veal	Mil tons	0.80	0.82	0.90	0.86	0.84
Beef	Mil tons	5.8	5.8	5.6	5.7	5.7
Consumer price	Ecu/ton	10819	11304	11507	11717	11337
Cost to consumers	Bil ecu	72	75	75	76	74
Policy transfers to consumers:						
Trade measures (veal)	Bil ecu	-1.30	-1.28	-1.01	-0.97	-1
Trade measures (beef)	Bil ecu	-7.74	-9.62	-11.24	-10.39	-10
Total policy transfers	Bil ecu	-9.04	-10.90	-12.25	-11.36	-11
CSE (per unit value)	Percent	-12.63	-14.58	-16.39	-14.86	-14.64
CSE (per unit quantity)	Ecu/ton	-5539.81	-7454.96	-8087.15	-7488.99	-7143
	US\$/ton	-5427.35	-6636.40	-6380.76	-9814.03	-7065
<b>Pigmeat:</b>						
Level of consumption	Mil tons	10	10	10	11	10
Consumer price	Ecu/ton	5576	5598	5824	6552	5888
Cost to consumers	Mil ecu	56302	57234	59842	70735	61028
Policy transfers to consumers:						
Trade measures	Mil ecu	-1942.70	-2411.80	-1283.89	-2424.95	-2015.84
Total policy transfers	Mil ecu	-1942.70	-2411.80	-1283.89	-2424.95	-2015.84
CSE (per unit value)	Percent	-3.45	-4.21	-2.15	-3.43	-3.30
CSE (per unit quantity)	Ecu/ton	-192.40	-235.90	-124.95	-224.62	-194.47
	US\$/ton	-188.50	-209.99	-98.59	-294.35	-197.86

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## EC-10 CSE's (Continued)

Item	Unit	1982	1983	1984	1985	1982-85 ave
<b>Poultrymeat :</b>						
Level of consumption	Mil tons	3.9	3.9	3.9	4.0	3.9
Consumer price	Ecu/ton	2639	2669	2795	2834	2734
Cost to consumers	Mil ecu	10389	10402	10901	11315	10752
Policy transfers to consumers:						
Trade measures	Mil ecu	-1110.20	-1779.00	-1528.88	-1477.47	-1473.89
Total policy transfers	Mil ecu	-1110.20	-1779.00	-1528.88	-1477.47	-1473.89
CSE (per unit value)	Percent	-10.69	-17.10	-14.03	-13.06	-13.71
CSE (per unit quantity)	Ecu/ton	-281.99	-456.51	-392.02	-370.02	-375.13
	US\$/ton	-276.27	-406.38	-309.30	-484.89	-369.21
<b>Sheepmeat:</b>						
Level of consumption	Mil tons	0.7	0.7	1.0	0.8	0.8
Consumer price	Ecu/ton	8008	8488	9717	7818	8508
Cost to consumers	Mil ecu	5854	6349	9241	5988	6858
Policy transfers to consumers:						
Trade measures	Mil ecu	-1196.70	-1208.90	-1884.41	-1249.63	-1384.91
Total policy transfers	Mil ecu	-1196.70	-1208.90	-1884.41	-1249.63	-1384.91
CSE (per unit value)	Percent	-20.44	-19.04	-20.39	-20.87	-20.19
CSE (per unit quantity)	Ecu/ton	-1637.07	-1616.18	-1981.50	-1631.37	-1716.53
	US\$/ton	-1603.84	-1438.72	-1563.41	-2137.85	-1685.95
<b>Non-fat dry milk:</b>						
Level of consumption	Mil tons	1.6	2.0	2.1	1.6	1.8
Consumer price	Ecu/ton	1462	1496	1659	1775	1598
Cost to consumers	Mil ecu	2308	2998	3444	2810	2890
Policy transfers to consumers:						
Trade measures	Mil ecu	-579.50	-669.30	-1102.40	-870.65	-805
Total policy transfers	Mil ecu	-579.50	-669.30	-1102.40	-870.65	-805
CSE (per unit value)	Percent	-25.10	-22.33	-32.01	-30.98	-27.87
CSE (per unit quantity)	Ecu/ton	-367.00	-333.98	-531.02	-550.00	-446
	US\$/ton	-359.55	-297.31	-418.98	-720.75	-449

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## EC-10 CSE's (Continued)

Item	Unit	1982	1983	1984	1985	1982-85 ave
<b>Cheese:</b>						
Level of consumption	Mil tons	3.7	3.7	3.8	3.7	3.7
Consumer price	Ecu/ton	5871	6288	6748	7582	6622
Cost to consumers	Mil ecu	21648	23302	25642	28380	24743
<b>Policy transfers to producers:</b>						
Trade measures	Mil ecu	-3848.50	-3764.79	-3497.42	-3247.68	-3589.60
Total policy transfers	Mil ecu	-3848.50	-3764.79	-3497.42	-3247.68	-3589.60
CSE (per unit value)	Percent	-17.78	-16.16	-13.64	-11.44	-14.51
CSE (per unit quantity)	Ecu/ton	-1043.80	-1015.86	-920.37	-867.67	-961.93
	US\$/ton	-1022.61	-904.32	-726.17	-1137.04	-947.54
<b>Butter:</b>						
<b>Level of consumption :</b>						
At normal prices	1000 tons	1629	1506	1627	1579	1585
Cheap sales	1000 tons	28	32	NA	NA	15
<b>Consumer price:</b>						
At normal prices	Ecu/ton	4025	3994	3684	3270	3743
Cheap sales	Ecu/ton	1677	1162	NA	NA	710
Cost to consumers	Mil ecu	6603	6051	5994	5163	5953
<b>Policy transfers to consumers:</b>						
Trade measures	Mil ecu	-1920.50	-1918.60	-2207.84	-2299.02	-2086.49
Subsidized sales	Mil ecu	172.0	105.9	418.1	403.0	274.75
Total policy transfers	Mil ecu	-1748.47	-1812.73	-1789.74	-1896.02	-1811.74
CSE (per unit value)	Percent	-26.5	-30.0	-29.9	-36.7	-30.4
CSE (per unit quantity)	Ecu/ton	-1055.20	-1178.63	-1100.02	-1200.77	-1133.66
	US\$/ton	-939.34	-1049.21	-867.92	-1573.57	-1107.51

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## EC-10 CSE's (Continued)

Item	Unit	1982	1983	1984	1985	1982-85 ave
Summary:						
Policy transfers by policy:						
Trade measures	Mil ecu	-27650	-29224	-30739	-34119	-30433
Consumer subsidies	Mil ecu	323	333	299	304	314
Subsidized sales	Mil ecu	172	106	418	403	275
Policy transfers by commodity:						
Rice	Mil ecu	-171	-146	-197	-244	-189
Durum wheat	Mil ecu	-273	-215	-403	-502	-348
Soft wheat	Mil ecu	-1941	-725	-235	-2561	-1366
Barley	Mil ecu	-207	-1378	-92	-516	-548
Corn	Mil ecu	-860	-14	-271	-1447	-648
Sugar (white)	Mil ecu	-2211	-1672	-2779	-2622	-2321
Fluid milk	Mil ecu	-2022	-2089	-2709	-2994	-2454
Beef & Veal	Mil ecu	-9044	-10901	-12250	-11359	-10888
Pigmeat	Mil ecu	-1943	-2412	-1284	-2425	-2016
Poultrymeat	Mil ecu	-1110	-1779	-1529	-1477	-1474
Sheepmeat	Mil ecu	-1197	-1209	-1884	-1250	-1385
Non-fat dry milk	Mil ecu	-580	-669	-1102	-871	-805
Cheese	Mil ecu	-3849	-3765	-3497	-3248	-3590
Butter	Mil ecu	-1748	-1813	-1790	-1896	-1812
CSE by commodity:						
Rice	Percent	-9.6	-6.7	-11.1	-13.0	-10.0
Durum wheat	Percent	-24.1	-18.3	-30.1	-38.5	-28.1
Soft wheat	Percent	-24.3	-8.0	-2.5	-24.5	-14.8
Barley	Percent	-3.0	-19.9	-1.4	-7.2	-8.0
Corn	Percent	-15.9	-0.2	-4.9	-29.6	-12.1
Sugar (white)	Percent	-29.3	-21.3	-33.3	-32.3	-29.2
Fluid milk	Percent	-11.6	-11.6	-17.0	-16.1	-14.0
Beef & Veal	Percent	-12.6	-14.6	-16.4	-14.9	-14.6
Pigmeat	Percent	-3.5	-4.2	-2.1	-3.4	-3.3
Poultrymeat	Percent	-10.7	-17.1	-14.0	-13.1	-13.7
Sheepmeat	Percent	-20.4	-19.0	-20.4	-20.9	-20.2
Non-fat dry milk	Percent	-25.1	-22.3	-32.0	-31.0	-27.9
Cheese	Percent	-17.8	-16.2	-13.6	-11.4	-14.5
Butter	Percent	-26.5	-30.0	-29.9	-36.7	-30.4
Total policy transfers	Mil ecu	-27155	-28786	-30023	-33412	-29844
Cost to consumers	Mil ecu	190665	198753	203485	216413	202329
14-commodity CSE	Percent	-14.2	-14.5	-14.8	-15.4	-14.8

Notes: ecu = European Community unit

NA = data not available

INDIA  
Measured Policies  
(For underscored numbers in parentheses, see References below)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
State control	wheat PSE, CSE rice PSE, CSE soybean PSE soymeal CSE soyoil CSE rapeseed PSE rapemeal CSE rapeoil CSE peanut PSE peanut oil PSE, CSE l.s. cotton PSE, CSE m.s. cotton PSE, CSE	Government agencies control trade and support producer prices at minimum support levels. Domestic market prices are insulated from world prices.	Trade prices are adjusted to the producer, processor, or consumer level and compared with the appropriate domestic prices ( <u>2,3,5,9</u> ).
Fertilizer (state control)	all PSE's	Government controls fertilizer trade and sells domestic and imported fertilizers at fixed prices.	Import prices are adjusted for transport and compared with fixed domestic sale prices ( <u>6</u> ).
Fertilizer (domestic freight)	all PSE's	Government sells fertilizers at same prices at all railheads in the country; this subsidizes fertilizer freight.	Estimates published in ( <u>7</u> ).
Fertilizer (imported)	all PSE's	Fixed domestic selling prices of some imported fertilizers are below import costs.	Estimates published in ( <u>7</u> ).
Credit (short term)	all PSE's	Short-term institutional production credit is produced at below market rates and used largely to purchase fertilizer.	Estimates of total credit subsidy up to 1981/82 in ( <u>8</u> ) adjusted for change in total credit extended in 1982/83 and 1983/84 ( <u>6</u> ). Subsidy is allocated according to the share of short-term credit in total credit and crop shares in total fertilizer use ( <u>1</u> ).

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India: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Credit (medium and long term)	wheat PSE rice PSE rapeseed PSE peanut PSE l.s. cotton PSE m.s. cotton PSE	Medium- and long-term institutional farm credit is produced at below market interest rates and used heavily for irrigation equipment.	Estimates of total credit subsidy up to 1982/83 in (8) are adjusted for change in total credit extended in 1982/83 and 1983/84 (6). Subsidy is allocated according to the share of medium- and long-term credit (6) in total credit and crop shares in irrigated area (4).
Rural electrification	wheat PSE rice PSE rapeseed PSE peanut PSE l.s. cotton PSE m.s. cotton PSE	Present charge for electricity in rural areas is below cost of production and distribution.	Estimates of total subsidy up to 1981/82 (10) are adjusted out to 1982/83 and 1983/84 using sectoral GDP deflator and change in power use (10), adjusted for share benefiting agriculture (10), and allocated using crop shares of irrigated area (4).
Irrigation	wheat PSE rice PSE rapeseed PSE peanut PSE l.s. cotton PSE m.s. cotton PSE	Government does not recover full cost of operating and maintaining surface irrigation systems.	Estimates of 16 subsidies up to 1981/82 (10) are adjusted out to 1982/83 and 1983/84 using sectoral GDP deflator and change in irrigated area (10), and allocated using crop shares of irrigated area (4).
Export duty	m.s. cotton PSE, CSE peanut meal PSE, CSE	Duty affected domestic and export prices.	Estimate based on the level of duty (9).

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India: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Public distribution	wheat CSE rice CSE	Domestically produced and imported cereals sold through Public Distribution System at below-market prices.	Difference between market retail prices (2) and PDS prices (3) multiplied by amounts sold through PDS (3).
Import price policy	soybean CSE rapeseed oil CSE	Imported soybean and rapeseed oil are sold at administered prices set above import costs.	The difference between import costs and administered prices is multiplied by amounts of imported oil distributed domestically (9).

INDIA  
Unmeasured Policies

Policy instrument	Reason for no measurement
State control of trade and administered pricing of petroleum, coal, cement, tractors, most plant equipment, investment capital, etc.	The extensive nature of these policies coupled with methodological problems and substantial data requirements makes their estimation impractical. It is conventionally accepted that these policies generally increase local costs above what would occur in an unregulated environment.
Official floating exchange rate system	As a result of foreign exchange controls, the rupee is generally considered to be overvalued. There are no broadly accepted measures of the degree of overvaluation.
Certified seeds demonstration minikits pesticides	Available estimates suggest that the value is too small to have a significant impact on the total value of subsidies.
Government investment in surface irrigation	Data constraints and methodological problems make estimation impractical.
Extension, research	Data are inadequate to estimate either total costs or shares applicable to individual crops.

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India PSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Wheat:</b>							
Level of production	Mil tons	36	37	43	45	44	41
Producer price	Rs/ton	1565	1745	1600	1711	1744	1673
Value to producers	Bil Rs	57	65	68	78	77	69
Policy transfers to producers:							
State control	Bil Rs	-21.71	-18.15	-30.11	-41.14	-32.76	-28.77
Fertilizer (state control)	Bil Rs	-0.12	-0.51	-1.41	-1.19	1.24	-0.40
Fertilizer (domestic frgt)	Bil Rs	0.19	0.26	0.36	0.51	0.53	0.37
Fertilizer (imported)	Bil Rs	0.93	0.28	0.15	0.39	2.01	0.75
Credit (short-term)	Bil Rs	0.41	0.41	0.48	0.54	0.63	0.49
Credit (med & long-term)	Bil Rs	0.28	0.28	0.32	0.39	0.43	0.34
Rural electrification	Bil Rs	0.94	0.77	0.99	1.1	1.39	1.04
Irrigation	Bil Rs	1.5	1.54	1.75	2.11	2.17	1.81
Total policy transfers	Bil Rs	-17.58	-15.12	-27.47	-37.29	-24.36	-24.36
PSE (per unit value)	Percent	-30.9	-23.1	-40.1	-47.9	-31.7	-35.3
PSE (per unit quantity)	Rs/ton	-484.16	-403.74	-641.97	-819.92	-552.76	-580.51
	US\$/ton	-51.21	-39.98	-56.50	-66.29	-43.83	-51.56
<b>Rice:</b>							
Level of production	Mil tons	53	47	60	58	64	57
Producer price	Rs/ton	2090	2242	2426	2487	2581	2365
Value to producers	Bil Rs	111	106	146	145	166	135
Policy transfers to producers:							
State control	Bil Rs	-47.40	-21.95	-21.61	-34.44	-15.25	-28.13
Fertilizer (state control)	Bil Rs	-0.64	-1.77	-1.49	1.55	-0.68	-0.61
Fertilizer (domestic frgt)	Bil Rs	0.33	0.45	0.64	0.66	0.69	0.55
Fertilizer (imported)	Bil Rs	0.35	0.19	0.49	2.52	1.13	0.94
Credit (short-term)	Bil Rs	0.52	0.60	0.68	0.79	0.90	0.70
Credit (med & long-term)	Bil Rs	0.3	0.34	0.41	0.46	0.52	0.41
Rural electrification	Bil Rs	0.81	1.04	1.16	1.46	1.89	1.27
Irrigation	Bil Rs	1.62	1.84	2.22	2.28	2.71	2.13
Total policy transfers	Bil Rs	-44.11	-19.26	-17.50	-24.72	-8.09	-22.74
PSE (per unit value)	Percent	-39.6	-18.2	-12.0	-17.0	-4.9	-16.9
PSE (per unit quantity)	Rs/ton	-828.36	-408.74	-291.18	-423.72	-126.11	-415.62
	US\$/ton	-87.61	-40.47	-25.63	-34.26	-10.00	-39.59

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India PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Soybeans:</b>							
Level of production	1000 tons	467	491	614	955	982	702
Producer price	Rs/ton	2580	2769	3249	3366	2956	2984
Value to producers	Mil Rs	1205	1360	1995	3215	2903	2135
Policy transfers to producers:							
State control	Mil Rs	-165.10	-155.40	-392.10	-185.70	-387.70	-257
Fertilizer (state control)	Mil Rs	-5.0	-14.0	-12.0	13.0	-6.0	-4.8
Fertilizer (domestic frgt)	Mil Rs	3.0	4.0	5.0	5.0	6.0	4.6
Fertilizer (imported)	Mil Rs	3.0	2.0	4.0	20.0	9.0	7.6
Credit (short-term)	Mil Rs	4.0	5.0	6.0	6.0	7.0	5.6
Total policy transfers	Mil Rs	-160.1	-158.4	-389.1	-141.7	-371.7	-244.2
PSE (per unit value)	Percent	-13.3	-11.7	-19.5	-4.4	-12.8	-11.4
PSE (per unit quantity)	Rs/ton	-342.8	-322.6	-633.7	-148.4	-378.5	-365.2
	US\$/ton	-36.26	-31.94	-55.77	-12.00	-30.01	-33.20
<b>Rapeseed:</b>							
Level of production	1000 tons	2002	2382	2207	2608	3073	2454
Producer price	Rs/ton	3725	3993	4725	3894	3422	3952
Value to producers	Mil Rs	7457	9511	10428	10156	10516	9614
Policy transfers to producers:							
State control	Mil Rs	1000.1	1746.2	1042.4	-1843.0	-1866.1	15.9
Fertilizer (state control)	Mil Rs	-6.0	-28.0	-77.0	-65.0	67.0	-21.8
Fertilizer (domestic frgt)	Mil Rs	10.0	14.0	20.0	28.0	29.0	20.2
Fertilizer (imported)	Mil Rs	51.0	15.0	8.0	21.0	110.0	41.0
Credit (short-term)	Mil Rs	22.0	23.0	26.0	30.0	34.0	27.0
Credit (med & long-term)	Mil Rs	18.0	18.0	21.0	25.0	28.0	22.0
Rural electrification	Mil Rs	60.0	49.0	63.0	70.0	88.0	66.0
Irrigation	Mil Rs	95.0	98.0	111.0	135.0	138.0	115.4
Total policy transfers	Mil Rs	1250.1	1935.2	1214.4	-1599.0	-1372.1	285.7
PSE (per unit value)	Percent	16.8	20.3	11.6	-15.7	-13.0	3.0
PSE (per unit quantity)	Rs/ton	624.4	812.4	550.2	-613.1	-446.5	185.5
	US\$/ton	66.04	80.45	48.42	-49.57	-35.41	21.99

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India PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Peanuts:</b>							
Level of production	1000 tons	7223	5282	7085	6436	5547	6315
Producer price	Rs/ton	3305	3957	4155	4174	4098	3938
Value to producers	Mil Rs	23872	20901	29438	26864	22732	24761
<b>Policy transfers to producers:</b>							
State control	Mil Rs	1808.6	6230.1	7615.6	4426.8	-41.8	4007.9
Fertilizer (state control)	Mil Rs	-51	-141	-119	124	-54	-48
Fertilizer (domestic frgt)	Mil Rs	26	36	51	53	55	44
Fertilizer (imported)	Mil Rs	28	15	39	201	90	75
Credit (short-term)	Mil Rs	41	48	55	63	72	56
Credit (med & long-term)	Mil Rs	17	19	23	26	29	23
Rural electrification	Mil Rs	46	59	65	82	106	72
Irrigation	Mil Rs	91	104	126	129	153	121
Total policy transfers	Mil Rs	2006.6	6370.1	7855.6	5104.8	409.2	4349.3
PSE (per unit value)	Percent	8.4	30.5	26.7	19.0	1.8	17.3
PSE (per unit quantity)	Rs/ton	277.8	1206.0	1108.8	793.2	73.8	691.9
	US\$/ton	29.38	119.42	97.58	64.13	5.85	63.27
<b>Cotton (medium staple):</b>							
Level of production	1000 tons	791	686	504	638	637	651
Producer price	Rs/ton	12323	9536	13639	13166	10349	11803
Value to producers	Mil Rs	9747	6542	6874	8400	6592	7631
<b>Policy transfers to producers:</b>							
State control	Mil Rs	1133	-1750	-961	-1680	-1151	-882
Tariff	Mil Rs	-791	-686	-504	-266	0	-449
Fertilizer (state control)	Mil Rs	-70	-178	-141	147	-65	-61
Fertilizer (domestic frgt)	Mil Rs	36	45	61	62	65	54
Fertilizer (imported)	Mil Rs	38	19	47	239	106	90
Credit (short-term)	Mil Rs	57	61	65	75	85	69
Credit (med & long-term)	Mil Rs	21	22	25	27	31	25
Rural electrification	Mil Rs	56	66	70	88	113	79
Irrigation	Mil Rs	112	117	133	137	163	132
Total policy transfers	Mil Rs	592	-2284	-1205	-1171	-653	-944
PSE (per unit value)	Percent	6.1	-34.9	-17.5	-13.9	-9.9	-14.0
PSE (per unit quantity)	Rs/ton	747.8	-3329.2	-2390.7	-1835.7	-1025.4	-1566.6
	US\$/ton	79.09	-329.65	-210.39	-148.41	-81.31	-138.14

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## India PSE's (continued)

Item	Units	1982	1983	1984	1985	1986	1982-86 ave
<b>Cotton (long staple):</b>							
Level of production	1000 tons	560	839	821	1087	1182	898
Producer price	Rs/ton	12730	12776	14798	15724	14698	14145
Value to producers	Mil Rs	7129	10719	12149	17092	17373	12892
<b>Policy transfers to producers:</b>							
State control	Mil Rs	-1676	-4197	-5757	-4031	164	-3099
Fertilizer (state control)	Mil Rs	-50	-153	-138	144	-63	-52
Fertilizer (domestic frgt)	Mil Rs	26	39	59	61	64	50
Fertilizer (imported)	Mil Rs	27	16	46	234	104	85
Credit (short-term)	Mil Rs	41	52	63	73	83	62
Credit (med & long-term)	Mil Rs	15	19	24	27	30	23
Rural electrification	Mil Rs	40	57	68	86	111	72
Irrigation	Mil Rs	80	101	130	134	159	121
Total policy transfers	Mil Rs	-1497	-4066	-5505	-3272	652	-2737
PSE (per unit value)	Percent	-21.0	-37.9	-45.3	-19.1	3.8	-23.9
PSE (per unit quantity)	Rs/ton	-2672.3	-4846.1	-6705.2	-3009.8	551.9	-3336.3
	US\$/ton	-282.64	-479.86	-590.09	-243.33	43.76	-310.43
<b>Summary:</b>							
<b>Policy transfers by policy:</b>							
State control	Mil Rs	-67009	-38226	-50172	-78893	-51293	-57118
Fertilizer (state control)	Mil Rs	-942	-2794	-3387	723	439	-1192
Fertilizer (domestic frgt)	Mil Rs	621	848	1196	1379	1439	1097
Fertilizer (imported)	Mil Rs	1427	537	784	3625	3559	1986
Credit (short-term)	Mil Rs	1095	1199	1375	1577	1811	1411
Credit (med & long-term)	Mil Rs	651	698	823	955	1068	839
Rural electrification	Mil Rs	1952	2041	2416	2886	3698	2599
Irrigation	Mil Rs	3498	3800	4470	4925	5493	4437
Tariff	Mil Rs	-791	-686	-504	-266	0	-449
<b>Policy transfers by commodity:</b>							
Wheat	Mil Rs	-17580	-15120	-27470	-37290	-24360	-24364
Rice	Mil Rs	-44110	-19260	-17500	-24720	-8090	-22736
Soybeans	Mil Rs	-160	-158	-389	-142	-372	-244
Rapeseed	Mil Rs	1250	1935	1214	-1599	-1372	286
Peanuts	Mil Rs	2007	6370	7856	5105	409	4349
Cotton (med staple)	Mil Rs	592	-2284	-1205	-1171	-653	-944
Cotton (long staple)	Mil Rs	-1497	-4066	-5505	-3272	652	-2737
<b>PSE by commodity:</b>							
Wheat	Percent	-30.9	-23.1	-40.1	-47.9	-31.7	-35.3
Rice	Percent	-39.6	-18.2	-12.0	-17.0	-4.9	-16.9
Soybeans	Percent	-13.3	-11.7	-19.5	-4.4	-12.8	-11.4
Rapeseed	Percent	16.8	20.3	11.6	-15.7	-13.0	3.0
Peanuts	Percent	8.4	30.5	26.7	19.0	1.8	17.3
Cotton (med staple)	Percent	6.1	-34.9	-17.5	-13.9	-9.9	-14.0
Cotton (long staple)	Percent	-21.0	-37.9	-45.3	-19.1	3.8	-23.9
Total policy transfers	Mil Rs	-59498	-32583	-42999	-63089	-33786	-46391
Value to producers	Mil Rs	217528	220026	275151	288634	302545	260777
7-commodity PSE	Percent	-27.4	-14.8	-15.6	-21.9	-11.2	-17.8

Note: Rs = rupees

India CSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Wheat:</b>							
Level of consumption	Mil tons	36	38	42	43	44	41
Consumer price	Rs/t	1884	2108	2171	1932	2123	2044
Cost to consumers	Bil Rs	68	80	91	83	93	83
Policy transfers to consumers:							
State control	Bil Rs	11.47	6.98	8.57	29.62	16.40	14.61
Public distribution	Bil Rs	2.57	3.68	2.43	1.03	3.79	2.70
Total policy transfers	Bil Rs	14.04	10.66	11.00	30.65	20.19	17.31
CSE (per unit value)	Percent	20.5	13.4	12.1	36.8	21.8	20.8
CSE (per unit quantity)	Rs/t	386.67	281.71	261.72	711.47	461.80	420.67
	US\$/ton	40.90	27.90	23.03	62.61	40.64	39.02
<b>Rice:</b>							
Level of consumption	Mil tons	54	49	58	57	62	56
Consumer price	Rs/t	2535	3057	3103	2929	3024	2930
Cost to consumers	Bil Rs	137	148	181	166	189	164
Policy transfers to consumers:							
State control	Bil Rs	27.80	-8.68	-9.13	-15.05	-3.50	-1.71
Public distribution	Bil Rs	5.73	9.29	7.55	5.87	6.13	6.91
Total policy transfers	Bil Rs	33.53	0.61	-1.58	-9.18	2.63	5.20
CSE (per unit value)	Percent	24.46	0.41	-0.87	-5.53	1.39	3.17
CSE (per unit quantity)	Rs/t	620.01	12.58	-27.13	-161.93	42.14	97.13
	US\$/ton	65.57	1.25	-2.39	-14.25	3.71	10.78
<b>Soybean oil:</b>							
Level of consumption	1000 tons	553	543	763	587	474	584
Consumer price	Rs/t	8000	9000	10070	10400	12050	9904
Cost to consumers	Mil Rs	4424	4887	7683	6105	5712	5762
Policy transfers to consumers:							
State control	Mil Rs	-257.5	-331.5	-164.6	-255.6	-1084.1	-418.7
Import price policy	Mil Rs	-1693.4	-2036.8	-1157.1	-751.5	-2252.7	-1578.3
Total policy transfers	Mil Rs	-1950.9	-2368.3	-1321.7	-1007.1	-3336.8	-1997.0
CSE (per unit value)	Percent	-44.1	-48.5	-17.2	-16.5	-58.4	-34.7
CSE (per unit quantity)	Rs/t	-3527.85	-4361.51	-1732.24	-1715.67	-7039.66	-3675.39
	US\$/ton	-373.12	-431.88	-152.45	-150.99	-619.52	-345.59
<b>Soybean meal:</b>							
Level of consumption	1000 tons	124	112	172	313	233	191
Consumer price	Rs/t	1686	1851	2280	1757	2104	1936
Cost to consumers	Mil Rs	209	207	392	550	490	370
Policy transfers to consumers:							
State control	Mil Rs	104.1	81.8	94.2	191.1	155.3	125.30
Total policy transfers	Mil Rs	104.1	81.8	94.2	191.1	155.3	125.30
CSE (per unit value)	Percent	49.8	39.5	24.0	34.7	31.7	33.9
CSE (per unit quantity)	Rs/t	839.52	730.36	547.67	610.54	666.52	678.92
	US\$/ton	88.79	72.32	48.20	53.73	58.66	64.34

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## India CSE's (continued)

Item	Units	1982	1983	1984	1985	1986	1982-86 ave
<b>Rapeseed oil:</b>							
Level of consumption	1000 tons	746	852	787	911	1204	900
Consumer price	Rs/t	15020	14195	17119	16467	14344	15429
Cost to consumers	Mil Rs	11205	12094	13473	15001	17270	13809
Policy transfers to consumers:							
State control	Mil Rs	-5930.9	-6637.4	-6663.6	-4972.4	-5682.5	-5977.4
Import price policy	Mil Rs	-750.2	-624.5	-816.1	-1308.0	-513.9	-802.5
Total policy transfers	Mil Rs	-6681.1	-7261.9	-7479.7	-6280.4	-6196.4	-6779.9
CSE (per unit value)	Percent	-59.6	-60.0	-55.5	-41.9	-35.9	-49.1
CSE (per unit quantity)	Rs/t	-8955.90	-8523.36	-9504.07	-6893.96	-5146.51	-7804.76
	US\$/ton	-947.21	-843.98	-836.40	-606.70	-452.92	-737.44
<b>Rapeseed meal:</b>							
Level of consumption	1000 tons	1073	1226	1194	1288	1838	1324
Consumer price	Rs/t	1295	1138	1543	1540	1239	1351
Cost to consumers	Mil Rs	1390	1395	1842	1984	2277	1778
Policy transfers to consumers:							
State control	Mil Rs	917.2	1052.3	907.5	266.2	1010.2	830.7
Total policy transfers	Mil Rs	917.2	1052.3	907.5	266.2	1010.2	830.7
CSE (per unit value)	Percent	66.0	75.4	49.3	13.4	44.4	46.7
CSE (per unit quantity)	Rs/t	854.80	858.32	760.05	206.68	549.62	645.89
	US\$/ton	90.41	84.99	66.89	18.19	48.37	61.77
<b>Peanut oil:</b>							
Level of consumption	1000 tons	1615	1281	1608	1520	1320	1469
Consumer price	Rs/t	14430	15511	17253	16614	17753	16312
Cost to consumers	Mil Rs	23304	19870	27743	25253	23434	23921
Policy transfers to consumers:							
State control	Mil Rs	-11982.0	-11348.8	-7712.6	-7712.6	-7712.6	-9293.7
Total policy transfers	Mil Rs	-11982.0	-11348.8	-7712.6	-7712.6	-7712.6	-9293.7
CSE (per unit value)	Percent	-51.4	-57.1	-27.8	-30.5	-32.9	-38.9
CSE (per unit quantity)	Rs/t	-7419.20	-8859.33	-4796.39	-5074.08	-5842.88	-6398.37
	US\$/ton	-784.68	-877.25	-422.11	-446.54	-514.20	-608.96
<b>Peanut meal:</b>							
Level of consumption	1000 tons	2079	1632	2028	1976	1711	1885
Consumer price	Rs/t	1398	1535	1708	1800	2106	1709
Cost to consumers	Mil Rs	2906	2505	3464	3557	3603	3207
Policy transfers to consumers:							
State control	Mil Rs	1504.0	1054.8	1186.6	949.8	692.8	1077.6
Export duty	Mil Rs	259.9	102.0	0.0	0.0	0.0	72.4
Total policy transfers	Mil Rs	1763.9	1156.8	1186.6	949.8	692.8	1150.0
CSE (per unit value)	Percent	60.7	46.2	34.3	26.7	19.2	35.9
CSE (per unit quantity)	Rs/t	848.44	708.82	585.11	480.67	404.91	605.59
	US\$/ton	89.73	70.19	51.49	42.30	35.63	57.87

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## India CSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Cotton (medium staple):</b>							
Level of consumption	1000 tons	652	681	677	667	626	661
Consumer price	Rs/t	12526	11240	15140	15100	10130	12827
Cost to consumers	Mil Rs	8167	7654	10250	10072	6341	8497
<b>Policy transfers to consumers:</b>							
State control	Mil Rs	350.4	2145.5	2045.6	1845.2	2464.7	1770.3
Export duty	Mil Rs	652.0	681.0	677.0	278.1	0.0	457.6
Total policy transfers	Mil Rs	1002.4	2826.5	2722.6	2123.3	2464.7	2227.9
CSE (per unit value)	Percent	12.3	36.9	26.6	21.1	38.9	26.2
CSE (per unit quantity)	Rs/t	1537.42	4150.51	4021.57	3183.36	3937.22	3366.02
	US\$/ton	162.60	410.98	353.92	280.15	346.49	310.83
<b>Cotton (long staple):</b>							
Level of consumption	1000 tons	651	709	763	883	940	789
Consumer price	Rs/t	14720	14980	17310	15890	14980	15576
Cost to consumers	Mil Rs	9583	10621	13208	14031	14081	12305
<b>Policy transfers to consumers:</b>							
State control	Mil Rs	1360.9	2834.4	4526.3	4486.7	1142.5	2870.2
Total policy transfers	Mil Rs	1360.9	2834.4	4526.3	4486.7	1142.5	2870.2
CSE (per unit value)	Percent	14.2	26.7	34.3	32.0	8.1	23.3
CSE (per unit quantity)	Rs/t	2090.48	3997.74	5932.24	5081.20	1215.43	3663.42
	US\$/ton	221.10	395.86	522.07	447.17	106.96	338.63

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## India CSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Summary:</b>							
Policy transfers by policy:							
State control	Mil Rs	25336	-12849	-6341	9368	3886	3880
Public distribution	Mil Rs	8300	12970	9980	6900	9920	9614
Import price policy	Mil Rs	-2444	-2661	-1973	-2060	-2767	-2381
Export duty	Mil Rs	912	783	677	278	0	530
Policy transfers by commodity:							
Wheat	Mil Rs	14040	10660	11000	30650	20190	17308
Rice	Mil Rs	33530	610	-1580	-9180	2630	5202
Soybean oil	Mil Rs	-1951	-2368	-1322	-1007	-3337	-1997
Soybean meal	Mil Rs	104	82	94	191	155	125
Rapeseed oil	Mil Rs	-6681	-7262	-7480	-6280	-6196	-6780
Rapeseed meal	Mil Rs	917	1052	908	266	1010	831
Peanut oil	Mil Rs	-11982	-11349	-7713	-7713	-7713	-9294
Peanut meal	Mil Rs	1764	1157	1187	950	693	1150
Cotton (medium staple)	Mil Rs	1002	2827	2723	2123	2465	2228
Cotton (long staple)	Mil Rs	1361	2834	4526	4487	1143	2870
CSE by commodity:							
Wheat	Percent	20.5	13.4	12.1	36.8	21.8	20.8
Rice	Percent	24.5	0.4	-0.9	-5.5	1.4	3.2
Soybean oil	Percent	-44.1	-48.5	-17.2	-16.5	-58.4	-34.7
Soybean meal	Percent	49.8	39.5	24.0	34.7	31.7	33.9
Rapeseed oil	Percent	-59.6	-60.0	-55.5	-41.9	-35.9	-49.1
Rapeseed meal	Percent	66.0	75.4	49.3	13.4	44.4	46.7
Peanut oil	Percent	-51.4	-57.1	-27.8	-30.5	-32.9	-38.9
Peanut meal	Percent	60.7	46.2	34.3	26.7	19.2	35.9
Cotton (medium staple)	Percent	12.3	36.9	26.6	21.1	38.9	26.2
Cotton (long staple)	Percent	14.2	26.7	34.3	32.0	8.1	23.3
Total policy transfers	Mil Rs	32105	-1757	2343	14487	11040	11643
Cost to consumers	Mil Rs	266689	287265	349989	325828	354755	316905
10-crop CSE	Percent	12.0	-0.6	0.7	4.4	3.1	3.7

Note: Rs = rupees

INDONESIA  
Measured Policies  
(For underscored numbers in parentheses, see References below)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
State control	rice PSE, CSE	The Government controls imports and procures about 10 percent of the rice crop. These interventions have successfully defended the floor price (except in 1985) for rice producers and the ceiling price for consumers.	The import price (4) reflects Thai 25% broken (c.i.f.) converted to rupiah price using period average exchange rate (1). Producer support price (2) is used as a proxy for the average farmgate price. The average retail price for medium quality rice is used for the consumer price (2).
Inputs assistance	rice PSE	The Government subsidizes fertilizer, seed, pesticides, and administrative costs of the BIMAS rice intensification program.	Rice is allocated an increasing share (64% to 70%) of the actual development expenditures' (3) fertilizer subsidy.
Irrigation subsidy	rice PSE	The Government subsidizes development and maintenance.	About 85% of expenditures are subsidized. Based upon the ratio of irrigated rice area to total irrigated area, rice is estimated to account for 80% of this subsidy.

INDONESIA  
Unmeasured Policies

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Policy instrument	Reason for no measurement
Agricultural credit	Data not available in sufficient detail.

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## Indonesia PSE's

Item	Units	1982	1983	1984	1985	1986	1982-86 ave
<b>Rice:</b>							
Level of production	Mil tons	23	24	26	27	26	25
Producer price	rupiah/kg	214	238	270	285	285	258
Value to producers	Bil rupiah	4888	5714	7001	7564	7496	6533
<b>Policy transfers to producers:</b>							
State control	Bil rupiah	640	-333	-63	725	819	358
Inputs assistance	Bil rupiah	281	220	505	334	470	362
Irrigation subsidy	Bil rupiah	194	194	240	284	189	220
Total policy transfers	Bil rupiah	1115	81	682	1343	1478	940
PSE (per unit value)	Percent	22.8	1.4	9.7	17.8	19.7	14.4
PSE (per unit quantity)	Rupiah/kg	48.82	3.37	26.30	50.60	56.20	37.06
	US\$/ton	73.81	3.71	25.64	45.56	43.82	38.51

## Indonesia CSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Rice:</b>							
Level of consumption	Mil tons	24	25	25	26	27	25
Consumer price	Rupiah/kg	259	307	333	324	347	314
Cost to consumers	Bil rupiah	6128	7767	8388	8424	9369	8015
<b>Policy transfers to consumers:</b>							
State control	Bil rupiah	-1720.0	-895.0	-1888.0	-1722.0	-2475.0	-1740.0
Total policy transfers	Bil rupiah	-1720.0	-895.0	-1888.0	-1722.0	-2475.0	-1740.0
PSE (per unit value)	Percent	-28.1	-11.5	-22.5	-20.4	-26.4	-21.7
PSE (per unit quantity)	Rupiah/kg	-72.7	-35.4	-75.0	-66.2	-91.7	-68.2
	US\$/ton	-109.91	-38.91	-73.06	-64.56	-89.35	-75.16

JAPAN  
Measured Policies

(For underscored numbers in parentheses, see References below)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Voluntary marketing subsidy	rice PSE	Subsidy for marketing rice outside Food Agency	Subsidy published in (8).
State control	rice CSE, PSE wheat CSE, PSE barley CSE, PSE fluid milk CSE, PSE mfg. milk PSE beef CSE, PSE dairy products CSE	The Food Agency controlled the purchase and marketing of domestic and imported rice, wheat, and barley. The Livestock Industry Promotion Corporation (LIPC) was involved in the procurement, storage, marketing, and trade of beef and dairy products. It directly controlled imports of designated dairy products and most beef.	Grain calculations are based on difference between domestic and trade prices. Price for standard grade of Japanese rice (6) was compared with California medium-grain rice prices (11) plus an allowance for transport costs. Internal support prices for barley and wheat (7) were compared with import unit values (9). For drinking milk and mfg. milk, calculation compared domestic milk prices with those of imported butter and skim milk powder (5) converted to fluid basis (assuming 1 kg of milk is equivalent to 37.1 g of butter plus 76.1 g of SMP). Beef calculations based on difference between Japanese wholesale price for dairy beef (4) and wholesale price for U.S. choice steer beef (10) adjusted for ocean freight costs and an import duty of 25 percent.
Crop insurance	all PSE's	The Government subsidized agricultural insurance for many crop and livestock activities. Insurance programs were administered by Agricultural Mutual Relief Associations established in many rural communities by producers. The Government subsidized farmers' premiums and association operating costs.	Ministry of Agriculture, Forestry, and Fisheries (MAFF) expenditures on insurance were allocated in proportion to commodity's share of gross agricultural income.

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Japan: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Inputs assistance	all PSE's	Input subsidies and structural measures include such programs as rural electrification, research and extension, subsidies to farm pension plans, and land development programs.	Ministry of Agriculture, Forestry, and Fisheries budget expenditures for agriculturally related land and structural improvement programs are allocated in proportion to a commodity's share of agricultural land (7). Expenditures on credit, research and extension, disaster relief, and farmers' pensions are allocated in proportion to a commodity's contribution to gross agricultural income (7).
Paddy Field Reorientation program payments	wheat PSE barley PSE soybeans PSE beet sugar PSE	Under the Government's Paddy Field Reorientation Program (riceland diversion program), payments are given to rice producers who plant alternative crops.	Allocated in proportion to rice area diverted to crop (12).
Deficiency payments	soybeans PSE mfg. milk PSE	Government assistance to oilseed and dairy producers. Payments to oilseed producers come out of the MAFF general account. Those for dairy producers are made by the Livestock Industries Promotion Corporation.	MAFF budget data (7). For mfg. milk, calculations were based on deficiency payment times quantity eligible for support (12).
Tariff	beet sugar PSE cane sugar PSE beef PSE, CSE chickenmeat PSE, CSE dairy products CSE sugar CSE	Tariffs are used to protect producers of livestock and dairy, sugar, citrus, and other agricultural products.	For sugar beet and cane, tariff rate of 43.45 yen/kg (refined) was multiplied by production. For beef, tariff is 25 percent <u>ad valorem</u> . For chickenmeat, calculation was based on trade-weighted average tariff rate of 17.3 percent (1982-84). For cheese, value of nonquota imports was multiplied by 35-percent tariff. Citrus tariff calculation was based on seasonal tariff rates for fresh oranges of 40 percent for Dec.-May and 20 percent for June-November, multiplied by seasonal import volumes. (Trade-weighted average tariff rate for 1982-84 equals 26 percent.) Tariff rates were found in (1).

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Japan: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Price stabilization	beet sugar PSE cane sugar PSE sugar CSE	The Japan Raw Silk and Sugar Price Stabilization Corporation (JRSSPSC) assists sugar cane and beet producers through a price support and stabilization system that imposes levies and surcharges on imported sugar when import prices are low, and pays rebates to refiners when import prices are high.	Sugar calculations based on comparisons of domestic beet and sugarcane prices with tariff-adjusted import prices. Citrus calculations based on difference between weighted average wholesale price of Japanese mandarins and summer oranges, and import unit value plus trade-weighted average tariff for fresh imported oranges.
Variable levy	pigmeat PSE, CSE	A variable-levy system is used to protect Japanese pork producers by keeping import prices between pre-set floor and ceiling levels.	Calculated effect of the variable levy on pork based on difference between Japanese average wholesale price, carcass basis (4), and pork price in United States (wholesale cut-out value, 165 lb. carcass, U.S. No. 2 grade, carlot basis), adjusted for ocean freight costs.
Tariff quota	corn CSE	All corn imported for nonfeed uses is subject to tariffs or a tariff quota to protect various domestic industries, such as potato producers (starch) and bonded feed mills.	Imports within the quota for use in the manufacturing of starch, ethyl alcohol, alcoholic drinks, and corn flakes are exempt from duty. Imports outside the quota are subject to a 15 yen/kg duty. Imports for other uses are subject to a 10-percent duty within the quota and 15 yen/kg duty outside it.
LIPC assistance	fluid milk PSE mfg. milk PSE beef PSE pigmeat PSE chickenmeat PSE	The Livestock Industry Promotion Corporation (LIPC) administers several programs which provide input assistance to livestock industries.	LIPC assistance allocated in proportion to commodity's share of total livestock output.
School lunch scheme	rice CSE fluid milk CSE	Government subsidies on rice and milk for school lunches reduce consumer costs.	Rice subsidies published in (3). Milk subsidies found in (2).
Excise tax	sugar CSE	Tax on sugar consumption	Tax calculated by consumption multiplied by 16 yen/kg.



JAPAN  
Unmeasured Policies

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Policy instrument	Reason for no measurement
Assistance to citrus producers via import quotas on juice	Insufficient data
Prefectural programs	Insufficient data
Input tariff/taxes on machinery, fertilizer, chemicals, and feed	Insufficient data

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## Japan PSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Rice:</b>							
Level of production	Mil tons	10.27	10.37	11.88	11.66	11.65	11.17
Producer price	Yen/kg	299	304	311	311	311	307
Value to producers	Bil Yen	3199	3273	3808	3734	3729	3549
Policy transfers to producers:							
Voluntary marketing subsidy*	Bil Yen	126.10	116.10	112.30	106.60	104.20	113.06
State control	Bil Yen	2174.88	2353.89	2805.70	2743.83	3025.62	2620.78
Crop insurance	Bil Yen	59.00	64.00	66.00	62.00	62.00	62.60
Inputs assistance	Bil Yen	352.00	339.00	340.00	325.00	325.00	336.20
Total policy transfers	Bil Yen	2711.98	2872.99	3324.00	3237.43	3516.82	3132.64
PSE (per unit value)	Percent	84.8	87.8	87.3	86.7	94.3	88.3
PSE (per unit quantity)	Yen/kg	264.07	277.05	279.80	277.65	301.87	280.09
	US\$/ton	1060.51	1164.07	1175.62	1161.73	1786.23	1269.63
<b>Wheat:</b>							
Level of production	1000 tons	742	695	741	874	876	786
Producer price	Yen/kg	184	185	185	185	183	184
Value to producers	Bil Yen	179	170	169	190	187	179
Policy transfers to producers:							
PFRP payments*	Bil Yen	42.00	41.00	32.00	28.00	27.00	34.00
State control	Bil Yen	103.07	98.79	106.51	128.01	139.90	115.26
Crop insurance	Bil Yen	2.00	2.00	2.00	2.00	2.00	2.00
Inputs assistance	Bil Yen	24.00	23.00	23.00	24.00	24.00	23.60
Total policy transfers	Bil Yen	171.07	164.79	163.51	182.01	192.90	174.86
PSE (per unit value)	percent	95.8	97.2	96.8	96.0	103.1	97.8
PSE (per unit quantity)	yen/kg	230.61	237.01	220.81	208.25	220.21	223.38
	\$/ton	926.16	995.82	927.77	871.34	1302.99	1004.82
<b>Barley:</b>							
Level of production:							
2,6-row	1000 tons	342	340	353	340	314	338
Naked	1000 tons	48	39	43	38	30	40
Producer price:							
2,6-row	Yen/kg	167	167	167	167	165	167
Naked	Yen/kg	190	191	191	191	189	190
Value to producers	Bil Yen	82	79	77	73	71	77
Policy transfers to producers:							
PFRP payments*	Bil Yen	16.00	15.00	10.00	9.00	14.00	12.80
State control	Bil Yen	49.50	46.40	48.90	51.00	49.00	48.96
Crop insurance	Bil Yen	1.00	1.00	1.00	1.00	1.00	1.00
Inputs assistance	Bil Yen	13.00	12.00	11.00	11.00	10.00	11.40
Total policy transfers	Bil Yen	79.50	74.40	70.90	72.00	74.00	74.16
PSE (per unit value)	Percent	96.9	93.7	91.9	98.4	103.7	96.8
PSE (per unit quantity)	Yen/kg	204.00	196.10	179.27	190.43	215.12	196.98
	US\$/ton	819.29	823.95	753.22	796.76	1272.88	893.22

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## Japan PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Soybeans:</b>							
Level of production	1000 tons	226	217	238	228	245	231
Producer price	Yen/kg	207	181	203	164	188	189
Value to producers	Bil Yen	117	109	101	95	97	104
Policy transfers to producers:							
Deficiency payments*	Bil Yen	18.00	23.00	20.00	28.00	23.00	22.40
PFRP payments*	Bil Yen	52.00	47.00	33.00	30.00	28.00	38.00
Crop insurance	Bil Yen	1.00	1.00	1.00	1.00	1.00	1.00
Inputs assistance	Bil Yen	14.00	13.00	12.00	12.00	12.00	12.60
Total policy transfers	Bil Yen	85.00	84.00	66.00	71.00	64.00	74.00
PSE (per unit value)	Percent	72.7	76.9	65.2	74.4	65.9	71.2
PSE (per unit quantity)	Yen/kg	375.61	386.74	277.31	311.40	261.22	322.46
	US\$/ton	1508.46	1624.96	1165.17	1302.94	1545.71	1429.45
<b>Beet sugar:</b>							
Level of production (refined)	1000 tons	614	469	598	574	607	572
Producer price (refined)	Yen/kg	250	250	243	241	235	244
Value to producers	Bil Yen	155	119	146	139	144	141
Policy transfers to producers:							
PFRP payments*	Bil Yen	2.00	2.00	1.00	1.00	1.00	1.40
Tariff	Bil Yen	26.70	20.40	26.00	24.90	26.40	24.88
Price stabilization	Bil Yen	53.60	48.20	64.70	61.30	66.20	58.80
Crop insurance	Bil Yen	1.00	1.00	1.00	1.00	1.00	1.00
Inputs assistance	Bil Yen	9.00	9.00	9.00	9.00	8.00	8.80
Total policy transfers	Bil Yen	92.30	80.60	101.70	97.20	102.60	94.88
PSE (per unit value)	Percent	59.5	67.5	69.6	69.8	71.5	67.4
PSE (per unit quantity)	Yen/kg	150.33	171.86	170.07	169.34	169.03	166.12
	US\$/ton	603.72	722.08	714.57	708.53	1000.17	749.81
<b>Cane sugar:</b>							
Level of production (refined)	1000 tons	244	283	271	285	258	268
Producer price	Yen/kg	357	358	358	358	358	358
Value to producers	Bil Yen	87	101	97	102	92	96
Policy transfers to producers:							
Tariff	Bil Yen	10.60	12.30	11.80	12.40	11.20	11.66
Price stabilization	Bil Yen	47.20	58.10	57.50	58.70	55.90	55.48
Crop insurance	Bil Yen	1.00	1.00	1.00	1.00	1.00	1.00
Inputs assistance	Bil Yen	6.00	6.00	6.00	6.00	5.00	5.80
Total policy transfers	Bil Yen	64.80	77.40	76.30	78.10	73.10	73.94
PSE (per unit value)	Percent	74.3	76.4	78.7	76.6	79.2	77.1
PSE (per unit quantity)	Yen/kg	265.57	273.50	281.55	274.04	283.33	275.60
	US\$/ton	1066.56	1149.15	1182.98	1146.59	1676.53	1244.36

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## Japan PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Fluid milk:</b>							
Level of production	1000 tons	4215	4272	4320	4307	4324	4288
Producer price	Yen/kg	108	109	108	108	103	107
Value to producers	Bil Yen	455	465	468	465	445	460
Policy transfers to producers:							
State control	Bil Yen	275.50	316.10	343.30	354.30	376.00	333.04
LIPC assistance	Bil Yen	4.00	4.00	5.00	3.00	3.00	3.80
Crop insurance	Bil Yen	9.00	10.00	9.00	9.00	9.00	9.20
Inputs assistance	Bil Yen	82.00	79.00	74.00	70.00	70.00	75.00
Total policy transfers	Bil Yen	370.50	409.10	431.30	436.30	458.00	421.04
PSE (per unit value)	Percent	81.5	87.9	92.1	93.7	102.9	91.6
PSE (per unit quantity)	Yen/kg	87.90	95.76	99.84	101.30	105.92	98.14
	US\$/ton	353.01	402.37	419.49	423.85	626.75	445.09
<b>Manufacturing milk:</b>							
Level of production	1000 tons	2385	2660	2709	2966	2970	2738
Producer price	Yen/kg	65	68	69	70	70	68
Value to producers	Bil Yen	202	228	234	254	248	233
Policy transfers to producers:							
Deficiency payment*	Bil Yen	47.20	46.30	46.38	45.77	41.47	45.42
State control	Bil Yen	89.20	130.20	148.10	173.30	204.80	149.12
LIPC assistance	Bil Yen	1.00	1.00	2.00	1.00	1.00	1.20
Crop insurance	Bil Yen	3.00	3.00	3.00	3.00	3.00	3.00
Inputs assistance	Bil Yen	27.00	26.00	25.00	23.00	23.00	24.80
Total policy transfers	Bil Yen	167.40	206.50	224.48	246.07	273.27	223.54
PSE (per unit value)	Percent	83.0	90.5	96.0	96.9	110.2	95.9
PSE (per unit quantity)	Yen/kg	70.19	77.63	82.86	82.96	92.01	81.13
	US\$/ton	281.88	326.18	348.17	347.13	544.44	369.56
<b>Beef:</b>							
Level of production	1000 tons	481	495	536	555	559	525
Producer price (wholesale)	Yen/kg	1475	1484	1472	1511	1557	1500
Value to producers	Bil Yen	710	735	789	839	870	788
Policy transfers to producers:							
Tariff	Bil Yen	82.41	82.6	86.1	82.57	57.57	78.25
State control	Bil Yen	219.52	235.43	268.44	328.61	474.62	305.32
LIPC assistance	Bil Yen	4.00	3.00	5.00	4.00	4.00	4.00
Insurance	Bil Yen	8.00	9.00	9.00	9.00	9.00	8.80
Inputs assistance	Bil Yen	75.00	71.00	71.00	72.00	72.00	72.20
Total policy transfers	Bil Yen	388.93	401.03	439.54	496.18	617.19	468.57
PSE (per unit value)	Percent	54.8	54.6	55.7	59.2	70.9	59.4
PSE (per unit quantity)	Yen/kg	808.59	810.16	820.04	894.02	1104.10	887.38
	US\$/ton	3247.33	3404.04	3445.53	3740.66	6533.12	4074.14

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## Japan PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Pigmeat:</b>							
Level of production	1000 tons	1428	1429	1424	1532	1550	1473
Producer price (wholesale)	Yen/kg	656	663	648	535	509	602
Value to producers	Bil Yen	937	947	923	820	789	883
Policy transfers to producers:							
Variable levy	Bil Yen	271.30	413.40	377.30	239.00	314.50	323.10
LIPC assistance	Bil Yen	8.00	6.00	9.00	6.00	6.00	7.00
Insurance	Bil Yen	16.00	17.00	16.00	16.00	16.00	16.20
Inputs assistance	Bil Yen	86.00	78.00	71.00	68.00	68.00	74.20
Total policy transfers	Bil Yen	381.30	514.40	473.30	329.00	404.50	420.50
PSE (per unit value)	Percent	40.7	54.3	51.3	40.1	51.3	47.6
PSE (per unit quantity)	Yen/kg	267.02	359.97	332.37	214.75	260.97	287.02
	US\$/ton	1072.36	1512.49	1396.53	898.54	1544.19	1284.82
<b>Chicken meat:</b>							
Level of production	1000 tons	1184	1239	1309	1362	1379	1295
Producer price (wholesale)	Yen/kg	305	295	290	264	248	280
Value to producers	Bil Yen	361	366	380	360	342	362
Policy transfers to producers:							
Tariff	Bil Yen	55.90	53.80	55.50	45.70	39.30	50.04
LIPC assistance	Bil Yen	2.00	2.00	3.00	2.00	2.00	2.20
Insurance	Bil Yen	5.00	6.00	5.00	5.00	5.00	5.20
Inputs assistance	Bil Yen	27.00	25.00	24.00	23.00	23.00	24.40
Total policy transfers	Bil Yen	89.90	86.80	87.50	75.70	69.30	81.84
PSE (per unit value)	Percent	24.9	23.7	23.0	21.1	20.3	22.6
PSE (per unit quantity)	Yen/kg	75.93	70.06	66.84	55.58	50.25	63.73
	US\$/ton	304.94	294.36	280.86	232.55	297.36	282.01
<b>Mandarin oranges:</b>							
Level of production	1000 tons	3598	3643	2725	3201	2891	3212
Producer price	Yen/kg	135	122	163	176	159	151
Value to producers	Bil Yen	486	444	444	563	461	480
Policy transfers to producers:							
Crop insurance	Bil Yen	7.00	7.00	5.00	6.00	6.00	6.20
Inputs assistance	Bil Yen	32.00	30.00	24.00	27.00	25.00	27.60
Total policy transfers	Bil Yen	39.00	37.00	29.00	33.00	31.00	33.80
PSE (per unit value)	Percent	8.0	8.3	6.5	5.9	6.7	7.0
PSE (per unit quantity)	Yen/kg	10.84	10.16	10.64	10.31	10.72	10.53
	US\$/ton	43.53	42.67	44.72	43.14	63.45	47.50

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## Japan PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Summary:							
Policy transfers by policy:							
PFRP payments	Bil Yen	112	105	76	68	70	86
State control	Bil Yen	2912	3181	3721	3779	4270	3572
Crop insurance	Bil Yen	113	122	119	116	116	117
Inputs assistance	Bil Yen	747	711	690	670	665	697
Variable levy	Bil Yen	271	413	377	239	315	323
Deficiency payments	Bil Yen	65	69	66	74	64	68
Tariff	Bil Yen	176	169	179	166	134	165
Price stabilization	Bil Yen	101	106	122	120	122	114
LIPC assistance	Bil Yen	19	16	24	16	16	18
Voluntary marketing study	Bil Yen	126	116	112	107	104	113
Policy transfers by commodity:							
Rice	Bil Yen	2712	2873	3324	3237	3517	3133
Wheat	Bil Yen	171	165	164	182	193	175
Barley	Bil Yen	80	74	71	72	74	74
Soybeans	Bil Yen	85	84	66	71	64	74
Beet sugar	Bil Yen	92	81	102	97	103	95
Cane sugar	Bil Yen	65	77	76	78	73	74
Fluid milk	Bil Yen	371	409	431	436	458	421
Manufacturing milk	Bil Yen	167	207	224	246	273	224
Beef	Bil Yen	389	401	440	496	617	469
Pigmeat	Bil Yen	381	514	473	329	405	421
Chickenmeat	Bil Yen	90	87	88	76	69	82
Mandarin oranges	Bil Yen	39	37	29	33	31	34
PSE by commodity:							
Rice	Percent	84.8	87.8	87.3	86.7	94.3	88.2
Wheat	Percent	95.8	97.2	96.8	96.0	103.1	97.8
Barley	Percent	96.9	93.7	91.9	98.4	103.7	96.9
Soybeans	Percent	72.7	76.9	65.2	74.4	65.9	71.0
Beet sugar	Percent	59.5	67.5	69.6	69.8	71.5	67.6
Cane sugar	Percent	74.3	76.4	78.7	76.6	79.2	77.0
Fluid milk	Percent	81.5	87.9	92.1	93.7	102.9	91.6
Manufacturing milk	Percent	83.0	90.5	96.0	96.9	110.2	95.3
Beef	Percent	54.8	54.6	55.7	59.2	70.9	59.0
Pigmeat	Percent	40.7	54.3	51.3	40.1	51.3	47.5
Chickenmeat	Percent	24.9	23.7	23.0	21.1	20.3	22.6
Mandarin oranges	Percent	8.0	8.3	6.5	5.9	6.7	7.1
Total policy transfers	Bil Yen	4642	5009	5488	5354	5877	5274
Value to producers	Bil Yen	6969	7037	7636	7634	7475	7350
12-commodity PSE	Percent	66.6	71.2	71.9	70.1	78.6	71.7

\*Payment to producer in addition to price received.

## Japan CSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Rice:</b>							
Level of consumption	Mil tons	11.82	11.49	10.95	11.15	10.99	11.28
Consumer price	Yen/kg	284	284	295	305	310	296
Cost to consumers	Bil Yen	3356	3262	3226	3406	3407	3331
Policy transfers to consumers:							
State control	Bil Yen	-2121.49	-2194.40	-2227.78	-2161.43	-1973.47	-2135.71
School lunch scheme	Bil Yen	15.90	15.90	15.90	15.87	15.87	15.89
Total policy transfers	Bil Yen	-2105.59	-2178.50	-2211.88	-2145.56	-1957.60	-2119.83
PSE (per unit value)	Percent	-62.75	-66.78	-68.57	-63.00	-57.47	-63.64
PSE (per unit quantity)	Yen/kg	-178.14	-189.60	-202.00	-192.43	-178.13	-188.06
	US\$/ton	-715.41	-796.64	-848.73	-805.13	-1054.00	-843.98
<b>Wheat:</b>							
Consumption (domestic wheat)	1000 tons	742	695	741	874	876	786
Consumption (imported wheat)	1000 tons	5293	5364	5423	5318	5224	5324
Price (domestic wheat)	Yen/kg	64	69	69	69	69	68
Price (imported wheat)	Yen/kg	78	84	83	85	85	83
Cost to consumers	Bil Yen	462	499	504	511	503	496
Policy transfers to consumers:							
State control (dmc wheat)	Bil Yen	-13.62	-18.16	-20.66	-26.67	-40.21	-23.86
State control (imp wheat)	Bil Yen	-96.70	-151.16	-118.76	-148.64	-146.01	-132.25
Total policy transfers	Bil Yen	-110.32	-169.32	-139.42	-175.31	-186.22	-156.12
CSE (per unit value)	Percent	-23.86	-33.90	-27.67	-34.34	-37.04	-31.49
CSE (per unit quantity)	Yen/kg	-18.28	-27.95	-22.62	-28.31	-30.53	-25.54
	US\$/ton	-73.41	-117.42	-95.04	-118.46	-180.64	-116.99
<b>Barley:</b>							
Level of consumption	1000 tons	2484	2585	2471	2500	2500	2508
Consumer price	Yen/kg	59	54	56	56	56	56
Cost to consumers	Bil Yen	147	140	138	140	140	141
Policy transfers to consumers:							
State control (dmc barley)	Bil Yen	-25.90	-24.60	-27.90	-26.13	-26.13	-26.13
State control (food imp)	Bil Yen	-0.70	-0.80	0.60	-0.30	-0.30	-0.30
State control (feed imp)	Bil Yen	3.50	3.40	3.60	3.50	3.50	3.50
State control (malt)	Bil Yen	-2.10	-2.10	-2.10	-2.10	-2.10	-2.10
Total policy transfers	Bil Yen	-25.20	-24.10	-25.80	-25.03	-25.03	-25.03
CSE (per unit value)	Percent	-17.14	-17.20	-18.71	-17.94	-17.94	-17.78
CSE (per unit quantity)	Yen/kg	-10.14	-9.32	-10.44	-10.01	-10.01	-9.99
	US\$/ton	-40.74	-39.17	-43.87	-41.89	-59.24	-44.98

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Japan CSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Refined sugar:</b>							
Level of consumption (refined)	1000 tons	2616	2514	2515	2435	2364	2489
Consumer price (refined)	Yen/kg	266	255	263	261	261	261
Cost to consumers	Bil Yen	696	641	661	636	617	650
Policy transfers to consumers:							
Tariff	Bil Yen	-115.80	-111.40	-111.40	-105.90	-102.80	-109.46
Price stabilization	Bil Yen	-247.20	-165.30	-180.30	-146.10	-151.80	-178.14
Excise tax	Bil Yen	-42.60	-41.00	-41.00	-39.00	-37.80	-40.28
Total policy transfers	Bil Yen	-405.60	-317.70	-332.70	-291.00	-292.40	-327.88
PSE (per unit value)	Percent	-58.29	-49.56	-50.30	-45.79	-47.39	-50.43
PSE (per unit quantity)	Yen/kg	-155.05	-126.37	-132.29	-119.51	-123.69	-131.38
	US\$/ton	-622.67	-530.98	-555.82	-500.03	-731.89	-588.28
<b>Fluid milk:</b>							
Level of consumption	1000 tons	4215	4272	4320	4307	4324	4288
Consumer price	Yen/kg	209	209	209	213	213	211
Cost to consumers	Bil yen	881	893	903	917	921	903
Policy transfers to consumers:							
State control	Bil yen	-274.70	-313.10	-340.40	-350.90	-372.40	-330.30
School lunch scheme	Bil yen	15.60	15.60	13.60	13.60	13.60	14.40
Total policy transfers	Bil yen	-259.10	-297.50	-326.80	-337.30	-358.80	-315.90
PSE (per unit value)	Percent	-29.41	-33.32	-36.20	-36.77	-38.96	-34.98
PSE (per unit quantity)	Yen/kg	-61.47	-69.64	-75.65	-78.31	-82.98	-73.61
	US\$/ton	-246.87	-292.60	-317.85	-327.68	-491.00	-335.20
<b>Dairy Products:</b>							
Level of consumption	1000 tons	3580	3736	3850	4298	4304	3954
Cost to consumers	Bil Yen	320	349	357	384	385	359
Policy transfers to producers:							
State control (mfg milk)	Bil Yen	-89.20	-130.20	-148.10	-173.30	-204.80	-149.12
Tariff (cheese)	Bil Yen	-8.40	-6.50	-6.60	-7.10	-5.90	-6.90
Total policy transfers	Bil Yen	-97.60	-136.70	-154.70	-180.40	-210.70	-156.02
PSE (per unit value)	Percent	-30.55	-39.16	-43.28	-47.02	-54.67	-43.46
PSE (per unit quantity)	Yen/kg	-27.26	-36.59	-40.18	-41.97	-48.95	-38.99
	US\$/ton	-109.49	-153.74	-168.83	-175.62	-289.67	-179.47
<b>Beef:</b>							
Level of consumption	1000 tons	663	698	749	780	830	744
Consumer price	Yen/kg	2201	2199	2185	2233	2330	2229
Cost to consumers	Bil Yen	1458	1534	1637	1742	1934	1661
Policy transfers to producers:							
Tariff	Bil Yen	-113.5	-116.43	-120.35	-116.05	-85.48	-110.36
State control	Bil Yen	-302.35	-331.84	-375.21	-461.83	-704.71	-435.19
Total policy transfers	Bil Yen	-415.85	-448.27	-495.56	-577.88	-790.19	-545.55
PSE (per unit value)	Percent	-28.52	-29.22	-30.28	-33.18	-40.86	-32.85
PSE (per unit quantity)	Yen/kg	-627.70	-642.50	-661.45	-740.87	-952.04	-724.91
	US\$/ton	-2520.88	-2699.57	-2779.21	-3099.88	-5633.35	-3346.58

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## Japan CSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Corn:</b>							
Level of consumption	1000 tons	13791	14532	13725	14000	14000	14010
Consumer price	Yen/kg	34	36	41	37	37	37
Cost to consumers	Bil Yen	466	516	560	518	518	516
Policy transfers to producers:							
Under 10% tariff quota	Bil Yen	-1.00	-1.10	-1.20	-1.10	-1.10	-1.10
Outside 10% tariff quota	Bil Yen	-11.30	-11.30	-11.30	-11.30	-11.30	-11.30
Total policy transfers	Bil Yen	-12.30	-12.40	-12.50	-12.40	-12.40	-12.40
PSE (per unit value)	Percent	-2.64	-2.40	-2.23	-2.39	-2.39	-2.40
PSE (per unit quantity)	Yen/kg	-0.89	-0.85	-0.91	-0.89	-0.89	-0.89
	US\$/ton	-3.58	-3.59	-3.83	-3.71	-5.24	-3.99
<b>Pigmeat:</b>							
Level of consumption	1000 tons	1629	1665	1702	1802	1860	1732
Consumer price	Yen/kg	1051	1074	1067	1037	994	1045
Cost to consumers	Bil Yen	1712	1789	1816	1869	1849	1807
Policy transfers to producers:							
Variable levy	Bil Yen	-309.50	-481.70	-451.00	-281.10	-377.40	-380.14
Total policy transfers	Bil Yen	-309.50	-481.70	-451.00	-281.10	-377.40	-380.14
PSE (per unit value)	Percent	-18.08	-26.93	-24.83	-15.04	-20.41	-21.04
PSE (per unit quantity)	Yen/kg	-189.99	-289.31	-264.98	-155.99	-202.90	-220.64
	US\$/ton	-763.03	-1215.59	-1113.37	-652.69	-1200.61	-989.06
<b>Chickenmeat:</b>							
Level of consumption (carcass)	1000 tons	1286	1341	1414	1465	1563	1414
Consumer price	Yen/kg	495	491	487	471	454	480
Cost to consumers	Bil Yen	637	658	689	690	710	677
Policy transfers to producers:							
Tariff	Bil Yen	-60.70	-58.20	-59.60	-49.10	-44.60	-54.44
Total policy transfers	Bil Yen	-60.70	-58.20	-59.60	-49.10	-44.60	-54.44
PSE (per unit value)	Percent	-9.54	-8.84	-8.66	-7.12	-6.29	-8.05
PSE (per unit quantity)	Yen/kg	-47.20	-43.40	-42.15	-33.52	-28.53	-38.96
	US\$/ton	-189.56	-182.35	-177.10	-140.23	-168.85	-171.62

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Japan CSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Summary:							
Policy transfers by policy:							
Variable levy	Bil Yen	-310	-482	-451	-281	-377	-380
State control	Bil Yen	-2923	-3163	-3257	-3348	-3467	-3231
School lunch	Bil Yen	32	32	30	29	29	30
Tariff	Bil Yen	-298	-293	-298	-278	-239	-281
Price stabilization	Bil Yen	-247	-165	-180	-146	-152	-178
Excise tax	Bil Yen	-43	-41	-41	-39	-38	-40
Outside 10% tariff quota	Bil Yen	-11	-11	-11	-11	-11	-11
Under 10% tariff quota	Bil Yen	-1	-1	-1	-1	-1	-1
Policy transfers by commodity:							
Rice	Bil Yen	-2106	-2179	-2212	-2146	-1958	-2120
Wheat	Bil Yen	-110	-169	-139	-175	-186	-156
Barley	Bil Yen	-25	-24	-26	-25	-25	-25
Refined sugar	Bil Yen	-406	-318	-333	-291	-292	-328
Fluid milk	Bil Yen	-259	-298	-327	-337	-359	-316
Dairy	Bil Yen	-98	-137	-155	-180	-211	-156
Beef	Bil Yen	-416	-448	-496	-578	-790	-546
Corn	Bil Yen	-12	-12	-13	-12	-12	-12
Pigmeat	Bil Yen	-310	-482	-451	-281	-377	-380
Chickenmeat	Bil Yen	-61	-58	-60	-49	-45	-54
CSE by commodity:							
Rice	Percent	-62.7	-66.8	-68.6	-63.0	-57.5	-63.6
Wheat	Percent	-23.9	-33.9	-27.7	-34.3	-37.0	-31.5
Barley	Percent	-17.1	-17.2	-18.7	-17.9	-17.9	-17.8
Refined sugar	Percent	-58.3	-49.6	-50.3	-45.8	-47.4	-50.4
Fluid milk	Percent	-29.4	-33.3	-36.2	-36.8	-39.0	-35.0
Dairy	Percent	-30.5	-39.2	-43.3	-47.0	-54.7	-43.5
Beef	Percent	-28.5	-29.2	-30.3	-33.2	-40.9	-32.8
Corn	Percent	-2.6	-2.4	-2.2	-2.4	-2.4	-2.4
Pigmeat	Percent	-18.1	-26.9	-24.8	-15.0	-20.4	-21.0
Chickenmeat	Percent	-9.5	-8.8	-8.7	-7.1	-6.3	-8.0
Total policy transfers	Bil Yen	-3802	-4124	-4210	-4075	-4255	-4093
Cost to consumers	Bil Yen	10134	10282	10491	10811	10983	10540
10-commodity CSE	Percent	-37.5	-40.1	-40.1	-37.7	-38.7	-38.8

MEXICO  
Measured Policies  
(For underscored numbers in parentheses, see References below)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Price support and licensing of trade	all PSE's	Government purchasing and marketing agency (CONASUPO) buys portion of crop at pre-specified guaranteed prices. This policy, in combination with licensing restrictions on trade, separates trade and producer prices.	Average price received by farmers ( <u>3</u> ) was compared with unit value of imports (or exports in the case of cotton) ( <u>1</u> ) or c.i.f. landed price.
Fertilizer	all PSE's	Most fertilizer is sold at subsidized prices through government channels.	Domestic fertilizer value (nutrient basis) ( <u>3</u> ) was compared with import value (at warehouse) ( <u>5</u> ). Subsidy was allocated by share of value of production ( <u>2</u> ).
Credit	all PSE's	Credit is subsidized through BANRURAL and other credit institutions.	Total interest cost at subsidized rate was compared with total interest cost at commercial rate ( <u>4</u> ). Subsidy was allocated to crops according to percent of credit received by each crop under BANRURAL system ( <u>3</u> ).
Exchange rate adjustment	all PSE's	Based on purchasing power parity, the official rate undervalued the peso during 1982-85, raising the prices of goods traded internationally.	Production values ( <u>2</u> , <u>3</u> ) were adjusted by an estimate of undervaluation ( <u>2</u> ).

MEXICO  
Unmeasured Policies

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Policy instrument	Reason for no measurement
Irrigation subsidy	Data were insufficient to estimate annual subsidy. Of studied crops, those most affected were wheat, soybeans, and cotton.
Crop insurance	Data were insufficient to estimate annual subsidy.
Other input subsidies	Data were insufficient to estimate annual subsidies for seeds, diesel, electricity, and pesticides.
Consumer subsidies	CONASUPO sells commodities purchased under price support program (grains and oilseeds) to millers at subsidized prices. These wholesale prices; which would be necessary for calculating CSE's, are not published.

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References

1. BANCOMER. Comercio Exterior, March 1984, March 1985, and April 1986.
2. Economic Research Service, U.S. Department of Agriculture. Unpublished data base.
3. Government of Mexico. Tercer Informe del Gobierno. Sector Agropecuario y Forestal, Subsector Agrícola, 1985.
4. Secretaria de Hacienda y Credito Publico. Mexico: Main Economic Issues. Sept. 1986.
5. World Bank. Unpublished data.

## Mexico PSE's

Item	Unit	1982	1983	1984	1985	1982-85 ave
<b>Wheat:</b>						
Level of production	Mil tons	4	3	4	4	4
Producer price	Pesos/ton	6899	14039	25203	37125	20817
Value to producers	Mil pesos	28976	44925	105853	163350	85776
Policy transfers to producers:						
Price support and licensing	Mil pesos	-10957	-18105	-3336	4141	-7064
Fertilizer	Mil pesos	2439	2380	6591	6426	4459
Credit	Mil pesos	2422	5872	8489	17123	8477
Exchange rate adjustment	Mil pesos	7555	13212	6847	13512	10282
Total policy transfers	Mil pesos	1459	3359	18591	41202	16153
PSE (per unit value)	Percent	5.04	7.48	17.56	25.22	18.83
PSE (per unit quantity)	Pesos/ton	347.38	1049.69	4426.43	9364.09	3797
	US\$/ton	6.16	8.74	26.37	36.44	19.43
<b>Corn:</b>						
Level of production	Mil tons	7	9	10	11	9
Producer price	Pesos/ton	9766	20252	35500	52587	29526
Value to producers	Mil pesos	68362	188344	351450	552164	290080
Policy transfers to producers:						
Price support and licensing	Mil pesos	19618	37202	99168	141908	74474
Fertilizer	Mil pesos	7840	12963	26236	24593	17908
Credit	Mil pesos	14064	30220	38595	77291	40043
Exchange rate adjustment	Mil pesos	8927	30726	14774	32250	21669
Total policy transfers	Mil pesos	50449	111111	178773	276042	154094
PSE (per unit value)	Percent	73.80	58.99	50.87	49.99	53.12
PSE (per unit quantity)	Pesos/ton	7207.00	11947.42	18057.88	26289.71	15876
	US\$/ton	127.78	99.48	107.60	102.31	109.29
<b>Soybeans:</b>						
Level of production	1000 tons	550	600	550	710	603
Producer price	Pesos/ton	15382	32822	62107	86064	49094
Value to producers	Mil pesos	8460	19693	34159	61105	30854
Policy transfers to producers:						
Price support and licensing	Mil pesos	603	-827	7350	18804	6483
Fertilizer	Mil pesos	790	1105	2369	2647	1728
Credit	Mil pesos	716	2344	2833	6242	3034
Exchange rate adjustment	Mil pesos	1439	4172	1570	3326	2627
Total policy transfers	Mil pesos	3548	6794	14122	31019	13871
PSE (per unit value)	Percent	41.94	34.50	41.34	50.76	44.96
PSE (per unit quantity)	Pesos/ton	6450.91	11323.33	25676.36	43688.73	21785
	US\$/ton	114.4	94.3	153.0	170.0	132.9

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## Mexico PSE's (continued)

Item	Units	1982	1983	1984	1985	1982-85 ave
<b>Sorghum:</b>						
Level of production	Mil tons	3	4	4	4	4
Producer price	Pesos/ton	6403	12212	23814	34159	19147
Value to producers	Mil pesos	17928	48848	97637	126388	72700
Policy transfers to producers:						
Price support and licensing	Mil pesos	-1632	-14193	5593	11879	412
Fertilizer	Mil pesos	2403	2899	7007	7471	4945
Credit	Mil pesos	3909	10672	13902	25321	13451
Exchange rate adjustment	Mil pesos	3582	12816	5390	9003	7698
Total policy transfers	Mil pesos	8262	12194	31892	53674	26506
PSE (per unit value)	Percent	46.08	24.96	32.66	42.47	36.46
PSE (per unit quantity)	Pesos/ton	2950.71	3048.50	7778.54	14506.49	7071
	US\$/ton	52.32	25.38	46.35	56.45	45.13
<b>Cotton:</b>						
Level of production	1000 tons	188	218	270	220	224
Producer price	Pesos/ton	95000	225987	239374	239723	200021
Value to producers	Mil pesos	17860	49265	64631	52739	46124
Policy transfers to producers:						
Price support and licensing	Mil pesos	2460	6469	-9964	-10765	-2950
Fertilizer	Mil pesos	1252	2304	3890	1745	2298
Credit	Mil pesos	450	1446	2473	3134	1876
Exchange rate adjustment	Mil pesos	3342	11089	3541	3428	5350
Total policy transfers	Mil pesos	7504	21308	-60	-2458	6574
PSE (per unit value)	Percent	42.02	43.25	-0.09	-4.66	14.25
PSE (per unit quantity)	Pesos/ton	39915	97743	-222	-11173	31566
	US\$/ton	707.69	813.89	-1.32	-43.48	369.19
<b>Summary:</b>						
Policy transfers by policy:						
Price support and licensing	Mil pesos	10092	10546	98811	165967	71354
Fertilizer	Mil pesos	14724	21651	46093	42882	31338
Credit	Mil pesos	21561	50554	66292	129111	66880
Exchange rate adjustment	Mil pesos	24845	72015	32122	61519	47625
Policy transfers by commodity:						
Wheat	Mil pesos	1459	3359	18591	41202	16153
Corn	Mil pesos	50449	111111	178773	276042	154094
Soybeans	Mil pesos	3548	6794	14122	31019	13871
Sorghum	Mil pesos	8262	12194	31892	53674	26506
Cotton	Mil pesos	7504	21308	-60	-2458	6574
PSE by commodity:						
Wheat	Percent	5.0	7.5	17.6	25.2	18.8
Corn	Percent	73.8	59.0	50.9	50.0	53.1
Soybeans	Percent	41.9	34.5	41.3	50.8	45.0
Sorghum	Percent	46.1	25.0	32.7	42.5	36.5
Cotton	Percent	42.0	43.3	-0.1	-4.7	14.3
Total policy transfers	Mil pesos	71222	154766	243318	399479	217196
Value to producers	Mil pesos	141586	351075	653729	955746	525534
5-commodity PSE	Percent	50.3	44.1	37.2	41.8	41.3

NEW ZEALAND  
Measured Policies  
(For underscored numbers in parentheses, see References below)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Fluid milk subsidies	fluid milk PSE	Subsidies to fluid milk producers to produce milk year round	MAF assumes that 50 percent of the premium granted to fresh milk is subsidy; distributed over volume (1).
Fertilizer subsidies	all PSE's	Fertilizer transport subsidy (ended Nov. 81984); \$NZ12/ton price subsidy on fertilizer (ended 30 June 1986); \$NZ2/ton rebate on aerial fertilization (ended 8 Sept. 1984).	Total cost of subsidies is allocated across farm types based on average fertilizer use. Sheepmeat and wool distributed by market value shares; fluid and mfg. milk by number of producing head (1,2).
Livestock incentive scheme	fluid milk PSE wool PSE mfg. milk PSE beef and veal PSE sheepmeat PSE	From 1976 to 1982, MAF encouraged higher grazing capacity via interest-free loans and tax deductions linked to increases in herd numbers.	Divided among products by shares of total value of livestock output--town and mfg. milk allocated by production (1).
Miscellaneous payouts	fresh milk PSE mfg. milk PSE wool PSE sheepmeat PSE beef and veal PSE	Overhead of MAF programs; compensation for animal condemnation n.e.s.; noxious weed eradication; incentives for artificial insemination (dairy only); alfalfa planting grants, etc.	Budgetary items, either commodity specific or allocated by shares of total value of output (1,2).
Interest concessions	all PSE's	Concessional finance is available to producer boards, farm settlement and development, and Maori farm settlement.	Subsidy is difference between interest rate charged and the market rate. NZ Dairy Board subsidy allocated between fluid and mfg. milk by volume. NZ Meat Producers Board subsidy allocated among meats by production (1,2).
Agricultural pest control	sheepmeat PSE fluid milk PSE wheat PSE wool PSE mfg. milk PSE	MAF rebates most of the costs of local pest destruction boards for the extermination of rabbits, wallabies, and other vermin.	Divided among relevant products by shares of value of farm output--fluid and mfg. milk allocated by production (1,2).
Agricultural quarantine	all PSE's	Costs of quarantine monitoring and enforcement is borne by MAF.	Divided among relevant products by shares of value of farm output--town and mfg. milk allocated by production (1,2).

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New Zealand: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Animal health	fluid milk PSE mfg. milk PSE wool PSE beef and veal PSE sheepmeat PSE	MAF funds the control and eradication of animal diseases and compensates owners of cattle with bovine brucellosis and tuberculosis. Cost and distribution of Droncit tablets for hydatids control was fully subsidized through April 1983 when financial burden was shifted to local governments.	Divided among relevant products by shares of value of livestock output--town and mfg. milk allocated by production (1).
Inspection and grading	fresh milk PSE mfg. milk PSE beef and veal PSE sheepmeat PSE	MAF incurred full cost of inspection and grading to meet domestic standards and ensure compliance with importers' specifications. Cost recovery fees initiated November 1985.	MAF expenditure and overhead allocated by animal numbers inspected for meats; in dairy, overhead divided between town and mfg. milk by relative herd sizes (1)
Labor (job creation)	fresh milk PSE wool PSE mfg. milk PSE beef and veal PSE sheepmeat PSE	Several private and public sector employment programs involve wage subsidies for new farm job creation, as well as public works and public job training programs of direct benefit to agriculture.	Allocation determined by number of fulltime labor equivalents on June 30, 1980 in each type of activity (1,2)
Research	all PSE's	MAF, Dept. of Scientific and Industrial Research, and Dept. of Lands and Survey are involved in research of benefit to agriculture.	Research budget directly related to agricultural processing and production, and overhead allocated by share of total output (1,2).
Advisory	all PSE's	MAF supplies extensionservices, diagnostic services, and, for exporters of plant products, quality assurance programs.	Allocated by share of value of farm output (1,2).
Wheat trade policy	wheat PSE	Wheat production and milling is protected. The Wheat Board effectively subsidizes domestic transport costs--especially South Island (SI) producers. Australian wheat and flour imports are limited by quota, but this will be phased out by 1995.	Value is measured by the difference between SI wheat c.i.f. at North Island (NI) mills and Australian wheat c.i.f. at NI ports--the relevant opportunity cost. The price difference is multiplied by the volume of SI wheat to the NI (1,2).

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New Zealand: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Seed certification	wheat PSE	Seed testing and classification costs are borne by MAF.	Budget item; wheat is principal beneficiary of the program (1,2).
SMP export effect	wool PSE beef & veal PSE sheepmeat PSE	SMP is the Supplementary Minimum Price scheme. Until mid-1984 sheepmeat, wool, and beef producers were paid the SMP if above world (export) prices-- a direct export subsidy when the SMP was effective.	The difference between the export price and the SMP multiplied by the relevant export volume.
SMP domestic effect	beef & veal PSE sheepmeat PSE	The domestic effect of the SMP is the higher cost incurred by consumers when SMP was effective.	The difference between the export price and the SMP multiplied by the domestic use during the relevant period
Meat industry hygiene grant	beef & veal PSE sheepmeat PSE	To improve export quality, MAF rebated cold storage industry 10 percent of the cost of new plant and equipment. The bulk of rebates occurred in 1978-81, only minor assistance was paid in 1982-84. Program is no longer in effect.	Total value divided among meats by share in total value of meat production

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2. Nickel, M.C. Assistance and Incentives to Arable Crop Production, 1979-1983. Economics Division, Ministry of Agriculture and Fisheries (MAF), Wellington, New Zealand, 1984.

## New Zealand PSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Beef and Veal:</b>							
Level of production	1000 tons	549	440	487	466	534	495
Producer price	NZ\$/ton	1306	1646	1740	2236	1633	1712
Value to producers	Mil NZ\$	759	722	841	1042	874	847
<b>Policy transfers to producers:</b>							
Smp export effect	Mil NZ\$	42.00	-2.30	-6.60	0.00	1.50	6.92
Smp domestic effect	Mil NZ\$	16.29	-1.10	-2.50	0.00	0.40	2.62
Fertilizer subsidies	Mil NZ\$	3.57	3.31	3.50	1.30	0.60	2.46
Livestock incentive scheme	Mil NZ\$	3.99	4.78	2.90	2.20	3.00	3.37
Miscellaneous payouts	Mil NZ\$	1.62	1.57	1.70	0.60	0.80	1.26
Interest concessions	Mil NZ\$	25.20	25.30	32.70	54.70	50.90	37.76
Agricultural quarantine	Mil NZ\$	0.84	0.95	1.00	1.00	1.40	1.04
Animal health	Mil NZ\$	9.71	9.49	10.40	11.60	10.70	10.38
Inspection and grading	Mil NZ\$	14.77	14.62	15.20	16.40	12.10	14.62
Meat industry hygiene grant	Mil NZ\$	0.80	0.61	0.00	0.00	0.00	0.28
Labor (job creation)	Mil NZ\$	1.15	1.24	0.70	0.60	0.60	0.86
Marketing assistance	Mil NZ\$	0.45	0.49	0.60	0.70	0.80	0.61
Research	Mil NZ\$	10.41	10.54	12.20	13.00	16.50	12.53
Advisory	Mil NZ\$	2.22	2.21	2.70	2.70	3.60	2.69
Taxation concessions	Mil NZ\$	6.95	7.30	7.50	2.90	3.20	5.57
Total policy transfers	Mil NZ\$	139.95	79.01	82.00	107.70	106.10	102.95
PSE (per unit value)	Percent	18.4	10.9	9.8	10.3	12.1	12.1
PSE (per unit quantity)	NZ\$/ton	254.97	179.57	168.38	231.12	198.69	206.54
	US\$/ton	178.96	120.10	97.41	115.19	104.09	123.15
<b>Sheepmeat:</b>							
Level of production	1000 tons	680	668	728	611	590	656
Producer price	NZ\$/ton	339	371	289	100	448	310
Value to producers	Mil NZ\$	387	471	385	115	264	324
<b>Policy transfers to producers:</b>							
Smp export effect	Mil NZ\$	156.00	222.80	173.70	53.90	0.00	121.28
Smp domestic effect	Mil NZ\$	26.81	41.50	27.10	10.80	0.00	21.24
Fertilizer subsidies	Mil NZ\$	11.42	11.08	8.50	2.40	1.20	6.92
Livestock incentive scheme	Mil NZ\$	3.45	4.85	2.30	1.30	1.80	2.74
Miscellaneous payouts	Mil NZ\$	1.40	1.59	1.30	0.30	0.50	1.02
Interest concessions	Mil NZ\$	21.80	25.60	25.10	33.70	31.40	27.52
Agricultural pest control	Mil NZ\$	0.98	1.24	0.90	0.60	0.60	0.86
Agricultural quarantine	Mil NZ\$	0.72	0.97	0.8	0.60	0.90	0.80
Animal health	Mil NZ\$	2.07	1.51	1.50	1.30	1.30	1.54
Inspection and grading	Mil NZ\$	33.57	33.24	34.50	37.40	27.60	33.26
Meat industry hygiene grant	Mil NZ\$	1.25	1.16	0.00	0.00	0.00	0.48
Labor (job creation)	Mil NZ\$	2.38	2.66	1.40	0.90	1.10	1.69
Marketing assistance	Mil NZ\$	0.39	0.50	0.50	0.50	0.50	0.48
Research	Mil NZ\$	9.01	10.69	9.30	8.00	10.20	9.44
Advisory	Mil NZ\$	1.92	2.24	2.10	1.70	2.20	2.03
Taxation concessions	Mil NZ\$	15.54	16.34	16.80	5.90	6.50	12.22
Stabilization export effort	Mil NZ\$	212.33	197.1	246.28	292.38	0.00	189.62
Stabilization domestic effect	Mil NZ\$	36.49	36.72	38.44	58.72	0.00	34.07
Total policy transfers	Mil NZ\$	537.53	611.78	590.52	510.40	85.80	467.21
PSE (per unit value)	Percent	139.1	130.0	153.6	442.8	32.5	144.1
PSE (per unit quantity)	NZ\$/ton	790.48	915.84	810.82	834.81	145.42	699.47
	US\$/ton	554.84	612.51	469.06	416.07	76.19	425.73

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## New Zealand PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Wool:</b>							
Level of production	1000 tons	371	364	373	358	361	365
Producer price	NZ\$/ton	2553	2701	3369	3026	3199	2970
Value to producers	Mil NZ\$	947	983	1258	1082	1155	1085
Policy transfers to producers:							
Smp export effect	Mil NZ\$	197.00	82.00	14.20	0.00	0.00	58.64
Fertilizer subsidies	Mil NZ\$	16.51	14.86	13.16	5.29	2.21	10.41
Livestock incentive scheme	Mil NZ\$	4.99	6.50	3.49	2.88	3.33	4.24
Miscellaneous payouts	Mil NZ\$	1.99	2.12	1.97	0.74	0.87	1.54
Interest concessions	Mil NZ\$	33.42	36.11	38.69	72.85	56.75	47.56
Agricultural pest control	Mil NZ\$	1.42	1.66	1.45	1.22	1.12	1.37
Agricultural quarantine	Mil NZ\$	1.05	1.29	1.20	1.33	1.59	1.29
Animal health	Mil NZ\$	3.00	2.03	2.29	2.90	2.40	2.52
Labor (job creation)	Mil NZ\$	3.44	3.57	2.21	2.02	1.91	2.63
Marketing assistance	Mil NZ\$	0.56	0.67	0.76	1.00	0.92	0.78
Research	Mil NZ\$	11.21	12.28	12.71	13.81	16.12	13.22
Advisory	Mil NZ\$	2.78	3.01	3.18	3.62	4.00	3.32
Taxation concessions	Mil NZ\$	22.48	23.62	24.33	8.52	9.37	17.66
Total policy transfers	Mil NZ\$	299.82	189.72	119.62	116.17	100.58	165.18
PSE (per unit value)	Percent	31.7	19.3	9.5	10.7	8.7	15.2
PSE (per unit quantity)	NZ\$/ton	808.15	521.21	320.36	324.85	278.63	450.64
	US\$/ton	567.24	348.59	185.33	161.91	145.97	281.81
<b>Manufacturing milk:</b>							
Level of production	1000 tons	6297	6955	7194	7571	6510	6905
Producer price	NZ\$/ton	171	156	183	182	163	171
Value to producers	Mil NZ\$	1074	1085	1316	1377	1064	1183
Policy transfers to producers:							
Fertilizer subsidies	Mil NZ\$	11.37	10.58	9.20	3.30	1.50	7.19
Livestock incentive scheme	Mil NZ\$	0.96	1.75	0.80	0.60	0.80	0.98
Miscellaneous payouts	Mil NZ\$	2.35	2.40	2.10	1.00	0.80	1.73
Interest concessions	Mil NZ\$	75.29	68.30	54.30	77.60	75.10	70.12
Agricultural pest control	Mil NZ\$	1.64	1.88	1.60	1.60	1.10	1.56
Agricultural quarantine	Mil NZ\$	1.21	1.46	1.30	1.70	1.50	1.43
Animal health	Mil NZ\$	10.91	10.33	10.40	10.60	9.40	10.33
Inspection and grading	Mil NZ\$	8.64	8.46	8.40	8.70	8.30	8.50
Labor (job creation)	Mil NZ\$	3.94	4.22	2.50	2.00	2.00	2.93
Marketing assistance	Mil NZ\$	0.65	0.76	0.80	1.30	0.90	0.88
Research	Mil NZ\$	12.34	13.33	12.70	15.60	14.80	13.75
Advisory	Mil NZ\$	4.51	4.55	4.60	5.90	5.00	4.91
Taxation concessions	Mil NZ\$	20.09	21.12	21.80	6.30	6.90	15.24
Total policy transfers	Mil NZ\$	153.90	149.14	130.50	136.20	128.10	139.57
PSE (per unit value)	Percent	14.3	13.7	9.9	9.9	12.0	11.8
PSE (per unit quantity)	NZ\$/kg	24.44	21.44	18.14	17.99	19.68	20.34
	US\$/kg	17.15	14.34	10.49	8.97	10.31	12.25

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## New Zealand PSE's (continued)

Item	Units	1982	1983	1984	1985	1986	1982-86 ave
Fluid milk:							
Level of production	1000 tons	482	488	485	490	488	487
Producer price	NZ\$/ton	222	219	256	259	227	237
Value to producers	Mil NZ\$	107	107	124	127	111	115
Policy transfers to producers:							
Town milk subsidies	Mil NZ\$	13.93	14.97	19.30	19.20	23.10	18.10
Fertilizer subsidies	Mil NZ\$	0.86	0.79	0.70	0.20	0.10	0.53
Livestock incentive scheme	Mil NZ\$	0.07	0.09	0.10	0.00	0.10	0.07
Miscellaneous payouts	Mil NZ\$	0.18	0.18	0.20	0.10	0.10	0.15
Interest concessions	Mil NZ\$	5.72	5.10	3.90	5.50	5.30	5.10
Agricultural pest control	Mil NZ\$	0.13	0.14	0.10	0.10	0.10	0.11
Agricultural quarantine	Mil NZ\$	0.09	0.11	0.10	0.10	0.10	0.10
Animal health	Mil NZ\$	0.83	0.77	0.70	0.80	0.70	0.76
Inspection and grading	Mil NZ\$	0.66	0.63	0.60	0.60	0.60	0.62
Labor (job creation)	Mil NZ\$	0.30	0.81	0.20	0.10	0.10	0.30
Marketing assistance	Mil NZ\$	0.05	0.06	0.00	0.10	0.00	0.04
Research	Mil NZ\$	0.94	0.99	0.90	1.10	1.00	0.99
Advisory	Mil NZ\$	0.34	0.34	0.30	0.40	0.30	0.34
Taxation concessions	Mil NZ\$	1.54	1.62	1.70	0.50	0.50	1.17
Total policy transfers	Mil NZ\$	25.63	26.57	28.80	28.80	32.10	28.38
PSE (per unit value)	Percent	24.0	24.8	23.2	22.7	28.9	24.6
PSE (per unit quantity)	NZ\$/kg	239.53	248.35	232.26	226.77	289.19	247.22
	US\$/kg	168.12	166.10	134.36	113.02	151.51	146.62

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## New Zealand PSE's (continued)

Item	Units	1982	1983	1984	1985	1986	1982-86 ave
Summary:							
Policy transfers by policy:							
Smp export effect	Mil NZ\$	395.00	302.50	181.30	53.90	1.50	186.84
Smp domestic effect	Mil NZ\$	43.10	40.40	24.60	10.80	0.40	23.86
Fertilizer subsidies	Mil NZ\$	43.74	40.62	35.06	12.49	5.61	27.50
Livestock incentive scheme	Mil NZ\$	13.47	17.97	9.58	6.98	9.03	11.41
Miscellaneous payouts	Mil NZ\$	7.53	7.86	7.27	2.74	3.07	5.69
Interest concessions	Mil NZ\$	161.43	160.41	154.69	244.35	219.45	188.07
Agricultural quarantine	Mil NZ\$	3.91	4.78	4.40	4.73	5.49	4.66
Animal health	Mil NZ\$	26.52	24.13	25.29	27.20	24.50	25.53
Inspection and grading	Mil NZ\$	57.63	56.95	58.70	63.10	48.60	56.99
Meat industry hygiene grant	Mil NZ\$	2.05	1.77	0.00	0.00	0.00	0.76
Labor (job creation)	Mil NZ\$	11.20	12.49	7.01	5.62	5.71	8.41
Marketing assistance	Mil NZ\$	2.09	2.48	2.66	3.60	3.12	2.79
Research	Mil NZ\$	43.91	47.82	47.81	51.51	58.62	49.93
Advisory	Mil NZ\$	11.77	12.35	12.88	14.32	15.10	13.28
Taxation concessions	Mil NZ\$	66.59	70.00	72.13	24.12	26.47	51.86
Town milk subsidies	Mil NZ\$	13.93	14.97	19.30	19.20	23.10	18.10
Agricultural pest control	Mil NZ\$	4.16	4.92	4.05	3.52	2.92	3.91
Stabilization export effort	Mil NZ\$	212.33	197.1	246.28	292.38	0	189.618
Stabilization domestic effect	Mil NZ\$	36.49	36.72	38.44	58.72	0	34.074
Policy transfers by commodity:							
Beef and veal	Mil NZ\$	139.95	79.01	82.00	107.70	106.10	102.95
Sheepmeat	Mil NZ\$	537.53	611.78	590.52	510.40	85.80	467.21
Wool	Mil NZ\$	299.82	189.72	119.62	116.17	100.58	165.18
Mfg milk	Mil NZ\$	153.90	149.14	130.50	136.20	128.10	139.57
Fluid milk	Mil NZ\$	25.63	26.57	28.80	28.80	32.10	28.38
PSE by commodity:							
Beef and veal	Percent	18.4	10.9	9.8	10.3	12.1	12.1
Sheepmeat	Percent	139.1	130.0	153.6	442.8	32.5	144.1
Wool	Percent	31.7	19.3	9.5	10.7	8.7	15.2
Mfg milk	Percent	14.3	13.7	9.9	9.9	12.0	11.8
Fluid milk	Percent	24.0	24.8	23.2	22.7	28.9	24.6
Total policy transfers	Mil NZ\$	1156.83	1056.22	951.44	899.27	452.68	903.29
Value to producers	Mil NZ\$	3273.51	3367.33	3923.31	3743.34	3467.36	3554.97
5-commodity PSE	Percent	35.3	31.4	24.3	24.0	13.1	25.4

Note: NZ\$ = New Zealand dollar.

NIGERIA  
Measured Policies  
(For underscored numbers in parentheses, see References below)

Affected Policy instrument	subsidy equivalent	Policy explanation	Estimation procedure
Credit subsidy	all PSE's	The Government of Nigeria set a subsidized interest rate and a minimum percent of bank lending for agricultural use.	Estimate of subsidy for 1982 ( <u>16</u> ) was adjusted for annual lending to agriculture ( <u>3</u> ) and allocated by proportion of all agricultural value derived from each crop ( <u>6</u> ).
Fertilizer subsidy	cotton PSE rice PSE sugar PSE wheat PSE white corn PSE	The Government procured and delivered fertilizer to States and project areas at subsidized rates.	Estimates of subsidies in 1978, 1981, and 1982 ( <u>16</u> ) were adjusted for changes in value of fertilizer imports ( <u>8</u> , <u>14</u> ) and allocated according to application rates by crop ( <u>12</u> ) and the acreage planted each year by crop ( <u>7</u> ).
Overvaluation	cocoa PSE cotton CSE, PSE rice CSE, PSE sugar CSE, PSE wheat CSE yellow corn CSE	The official exchange rate overvalued the Nigerian currency, lowering the prices of goods that were traded internationally.	For goods whose price responded to world prices, observed domestic prices ( <u>2,3,9</u> ) were compared with prices adjusted by an estimate of overvaluation based on ( <u>18</u> ). The price difference was multiplied by production or consumption quantity ( <u>4,6</u> ).
Pesticide subsidy	cocoa PSE	The Nigerian Cocoa Board procured and delivered pesticides to cocoa producers until 1978. Later, subsidies were paid to chemical companies.	Estimates of annual subsidies were published in ( <u>1</u> ).

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Nigeria: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Marketing board	cotton PSE wheat PSE cocoa PSE	Prices paid by these marketing boards were independent of world prices.	Marketing board prices published in (3) were compared with border prices computed from (5, 10, 15).
Tariff	sugar CSE, PSE rice CSE, PSE wheat CSE cotton CSE yellow corn CSE cocoa CSE	Tariffs affected retail prices of all imports and producer prices on rice and sugar.	Tariff rates published in (11) were multiplied by producer or consumer value.

NIGERIA  
Unmeasured Policies

Policy instrument	Reason for no measurement
Bush clearing improved seed tractor hire	Existing estimates of the value of these government services and subsidies indicate their value is too small to significantly affect total value of subsidies (9).
Extension research	Data are insufficient to allocate subsidy to individual crops.
Irrigation	Data are insufficient to estimate annual subsidy.
Petrol subsidy	Data are insufficient to estimate proportion of subsidy affecting agriculture.
Import ban, import license	Data are insufficient to determine impact on on annual imports or on prices.

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Nigeria PSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Wheat:</b>							
Level of production	1000 tons	26	26	27	10	15	21
Producer price	Naira/ton	280	280	400	450	520	386
Value to producers	Mil naira	7	7	11	5	8	8
Policy transfers to producers:							
Fertilizer subsidy	Mil naira	0.31	0.52	0.67	0.84	1.12	0.69
Credit subsidy	Mil naira	0.02	0.03	0.04	0.02	0.03	0.03
Marketing board	Mil naira	3.92	3.74	7.02	2.91	4.93	4.50
Overvaluation	Mil naira	-5.16	-6.9	-12.55	-4.41	-4.13	-6.63
Total policy transfers	Mil naira	-0.91	-2.61	-4.82	-0.65	1.95	-1.41
PSE (per unit value)	Percent	-12.46	-35.84	-44.61	-14.38	24.95	-18.68
PSE (per unit quantity)	Naira/ton	-34.88	-100.37	-178.43	-64.70	129.73	-49.73
	US\$/ton	-51.80	-138.70	-233.56	-72.53	96.00	-80.12
<b>Rice (milled):</b>							
Level of production	1000 tons	918	851	900	682	632	797
Producer price	Naira/ton	730	575	883	1040	1100	866
Value to producers	Mil naira	670	489	795	709	695	672
Policy transfers to producers:							
Tariff	Mil naira	23.10	74.83	107.88	83.72	21.45	62.20
Fertilizer subsidy	Mil naira	9.74	13.69	16.42	19.21	22.73	16.36
Credit subsidy	Mil naira	2.21	1.88	2.88	2.46	2.32	2.35
Overvaluation	Mil naira	-355.02	-364.77	-550.93	-357.38	-205.71	-366.76
Total policy transfers	Mil naira	-319.97	-274.37	-423.76	-251.99	-159.22	-285.86
PSE (per unit value)	Percent	-47.76	-56.06	-53.32	-35.53	-22.90	-42.56
PSE (per unit quantity)	Naira/ton	-348.67	-322.33	-470.84	-369.49	-251.92	-352.65
	US\$/ton	-517.77	-445.47	-616.33	-414.20	-186.42	-436.04
<b>Sugar:</b>							
Level of production	1000 tons	54	58	55	69	40	55
Producer price	Naira/ton	226	244	191	195	366	244
Value to producers	Mil naira	12	14	10	13	15	13
Policy transfers to producers:							
Tariff	Mil naira	1.22	2.83	3.15	4.04	2.20	2.69
Fertilizer subsidy	Mil naira	0.45	0.72	0.74	0.41	0.57	0.58
Credit subsidy	Mil naira	0.04	0.05	0.04	0.05	0.05	0.05
Overvaluation	Mil naira	-18.72	-27.55	-34.81	-37.36	-21.08	-27.90
Total policy transfers	Mil naira	-17.01	-23.95	-30.89	-32.87	-18.26	-24.59
PSE (per unit value)	Percent	-139.60	-169.48	-294.51	-244.07	-124.62	-189.41
PSE (per unit quantity)	Naira/ton	-314.98	-412.88	-561.55	-476.32	-456.53	-444.45
	US\$/ton	-467.75	-570.60	-735.06	-533.95	-337.83	-529.04

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Nigeria PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Cotton lint:</b>							
Level of production	1000 tons	20	13	15	10	27	17
Producer price	Naira/ton	1163	1275	1400	1750	2125	1543
Value to producers	Mil naira	23	16	21	18	57	27
<b>Policy transfers to producers:</b>							
Fertilizer subsidy	Mil naira	4.68	6.47	7.12	8.64	14.25	8.23
Credit subsidy	Mil naira	0.08	0.05	0.07	0.05	0.17	0.08
Marketing board	Mil naira	-2.32	1.95	2.67	4.05	6.53	2.58
Overvaluation	Mil naira	-38.93	-27.52	-60.86	-37.31	-73.14	-47.55
Total policy transfers	Mil naira	-36.49	-19.05	-51.01	-24.57	-52.19	-36.66
PSE (per unit value)	Percent	-158.52	-118.57	-242.90	-140.39	-90.96	-135.82
PSE (per unit quantity)	Naira/ton	-1842.83	-1511.83	-3400.53	-2456.90	-1932.89	-2229.00
	US\$/ton	-2736.60	-2089.34	-4451.30	-2754.18	-1430.34	-2692.35
<b>Corn (white):</b>							
Level of production	1000 tons	1785	1660	1800	2000	2200	1889
Producer price	Naira/ton	589	572	627	650	650	618
Value to producers	Mil naira	1052	950	1129	1300	1430	1172
<b>Policy transfers to producers:</b>							
Fertilizer subsidy	Mil naira	17.19	23.90	28.17	31.50	44.10	28.97
Credit subsidy	Mil naira	3.46	3.66	4.09	4.50	4.77	4.10
Total policy transfers	Mil naira	20.65	27.56	32.26	36.01	48.87	33.07
PSE (per unit value)	Percent	1.96	2.90	2.86	2.77	3.42	2.82
PSE (per unit quantity)	Naira/ton	11.57	16.60	17.92	18.00	22.21	17.26
	US\$/ton	17.18	22.94	23.46	20.18	16.44	1.47
<b>Cocoa:</b>							
Level of production	1000 tons	156	115	150	110	100	126
Producer price	Naira/ton	1300	1300	1425	1500	1600	1425
Value to producers	Mil naira	203	150	214	165	160	178
<b>Policy transfers to producers:</b>							
Pesticide subsidy	Mil naira	3.43	2.95	5.22	2.93	3.64	3.63
Credit subsidy	Mil naira	0.67	0.58	0.77	0.57	0.53	0.62
Marketing board	Mil naira	-5.52	-8.69	-54.28	-41.57	-95.34	-41.08
Overvaluation	Mil naira	-320.14	-308.45	-889.67	-573.16	-367.32	-491.75
Total policy transfers	Mil naira	-321.56	-313.62	-937.96	-611.23	-458.49	-528.57
PSE (per unit value)	Percent	-158.56	-209.78	-438.81	-370.44	-286.55	-296.60
PSE (per unit quantity)	Naira/ton	-2061.29	-2727.09	-6253.04	-5556.62	-4584.87	-4236.58
	US\$/ton	-3061.02	-3768.83	-8185.23	-6228.97	-3392.80	-4927.37

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Nigeria PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Summary:</b>							
Policy transfers by policy:							
Pesticide subsidy	Mil naira	3.43	2.95	5.22	2.93	3.64	3.63
Credit subsidy	Mil naira	6.49	6.25	7.89	7.64	7.86	7.23
Overvaluation	Mil naira	-737.97	-735.19	-1548.82	-1009.62	-671.38	-940.60
Tariff	Mil naira	24.32	77.66	111.03	87.76	23.65	64.88
Fertilizer subsidy	Mil naira	32.37	45.29	53.11	60.60	82.77	54.83
Marketing board	Mil naira	-3.92	-3.00	-44.59	-34.61	-83.88	-34.00
Policy transfers by commodity:							
Wheat	Mil naira	-0.91	-2.61	-4.82	-0.65	1.95	-1.41
Corn (white)	Mil naira	20.65	27.56	32.26	36.01	48.87	33.07
Rice (milled)	Mil naira	-319.97	-274.37	-423.76	-251.99	-159.22	-285.86
Sugar	Mil naira	-17.01	-23.95	-30.89	-32.87	-18.26	-24.59
Cotton	Mil naira	-36.49	-19.05	-51.01	-24.57	-52.19	-36.66
Cocoa	Mil naira	-321.56	-313.62	-937.96	-611.23	-458.49	-528.57
PSE by commodity:							
Wheat	Percent	-12.5	-35.8	-44.6	-14.4	24.9	-18.7
Corn (white)	Percent	2.0	2.9	2.9	2.8	3.4	2.8
Rice (milled)	Percent	-47.8	-56.1	-53.3	-35.5	-22.9	-42.6
Sugar	Percent	-139.6	-169.5	-294.5	-244.1	-124.6	-189.4
Cotton	Percent	-158.5	-118.6	-242.9	-140.4	-91.0	-135.8
Cocoa	Percent	-158.6	-209.8	-438.8	-370.4	-286.6	-296.6
Total policy transfers	Mil naira	-675.29	-606.04	-1416.17	-885.30	-637.34	-844.02
Value to producers	Mil naira	1967.23	1625.93	2179.34	2209.75	2365.03	2069.45
6-commodity PSE	Percent	-34.3	-37.3	-65.0	-40.1	-26.9	-40.8

## Nigeria CSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Wheat:</b>							
Level of consumption	1000 tons	1432	1257	1565	1638	1001	1379
Wholesale price	Naira/ton	129	136	140	159	192	151
Cost to consumers	Mil naira	185	171	219	261	192	206
Policy transfers to consumers:							
Tariff	Mil naira	-19.28	-18.66	-23.70	-27.41	-22.11	-22.23
Overvaluation	Mil naira	284.45	333.81	727.34	722.90	275.85	468.87
Total policy transfers	Mil naira	265.17	315.15	703.64	695.49	253.74	446.64
CSE (per unit value)	Percent	143.27	184.09	321.10	266.96	132.33	217.30
CSE (per unit quantity)	Naira/ton	185.17	250.72	449.61	424.60	253.49	312.72
	US\$/ton	274.98	346.49	588.54	475.97	187.58	374.71
<b>Rice (milled):</b>							
Level of consumption	1000 tons	1192	1291	1144	1210	800	1127
Retail price	Naira/ton	1202	1237	1996	2447	2376	1852
Cost to consumers	Mil naira	1433	1597	2283	2961	1901	2035
Policy transfers to consumers:							
Tariff	Mil naira	-30.00	-113.52	-137.13	-148.54	-27.15	-91.27
Overvaluation	Mil naira	563.48	627.09	785.97	538.17	309.86	564.91
Total policy transfers	Mil naira	533.48	513.57	648.84	389.63	282.71	473.65
CSE (per unit value)	Percent	37.23	32.16	28.42	13.16	14.87	23.28
CSE (per unit quantity)	Naira/ton	447.55	397.81	567.17	322.01	353.39	417.58
	US\$/ton	664.61	549.77	742.42	360.97	261.51	515.86
<b>Sugar:</b>							
Level of consumption	1000 tons	899	835	468	569	540	662
Retail price	Naira/ton	226	244	191	195	366	244
Cost to consumers	Mil naira	203	203	89	111	198	161
Policy transfers to consumers:							
Tariff	Mil naira	-20.28	-40.67	-26.78	-33.31	-29.67	-30.14
Overvaluation	Mil naira	311.62	396.48	296.32	308.12	284.58	319.42
Total policy transfers	Mil naira	291.34	355.81	269.54	274.81	254.91	289.28
CSE (per unit value)	Percent	143.68	174.98	301.93	247.47	128.86	179.84
CSE (per unit quantity)	Naira/ton	324.18	426.27	575.69	482.97	472.06	456.23
	US\$/ton	481.41	589.11	753.58	541.41	349.32	542.97

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Nigeria CSE's (continued)

Item	Units	1982	1983	1984	1985	1986	1982-86 ave
<b>Cotton (lint):</b>							
Level of consumption	1000 tons	30	38	60	50	74	50
Wholesale price	Naira/ton	1280	1120	1222	1345	1883	1370
Cost to consumers	Mil naira	38	43	73	67	139	72
Policy transfers to consumers:							
Tariff	Mil naira	-12.58	-13.90	-24.20	-16.81	-27.87	-19.07
Overvaluation	Mil naira	58.60	82.12	243.43	186.53	200.45	154.23
Total policy transfers	Mil naira	46.02	68.22	219.23	169.72	172.58	135.15
CSE (per unit value)	Percent	119.89	160.28	298.93	252.47	123.85	187.27
CSE (per unit quantity)	Naira/ton	1534.00	1795.26	3653.83	3394.40	2332.16	2541.93
	\$/ton	2277.99	2481.05	4782.87	3805.12	1725.80	3014.57
<b>Corn (yellow):</b>							
Level of consumption	1000 tons	347	50	103	97	25	124
Wholesale price	Naira/ton	92	109	118	116	149	117
Cost to consumers	Mil naira	32	5	12	11	4	13
Policy transfers to consumers:							
Tariff	Mil naira	-3.18	-0.54	-1.22	-1.13	-0.37	-1.29
Overvaluation	Mil naira	48.84	10.58	40.48	31.22	5.35	27.29
Total policy transfers	Mil naira	45.66	10.04	39.26	30.09	4.98	26.01
CSE (per unit value)	Percent	143.68	185.00	321.90	267.40	134.03	202.00
CSE (per unit quantity)	Naira/ton	131.59	200.80	381.17	310.21	199.20	244.59
	US\$/ton	195.40	277.51	498.95	347.74	147.41	293.40
<b>Summary:</b>							
Policy transfers by policy:							
Tariff	Mil naira	-85.32	-187.29	-213.03	-227.20	-107.17	-164.00
Overvaluation	Mil naira	1266.99	1450.08	2093.54	1786.94	1076.09	1534.73
Policy transfers by commodity:							
Wheat	Mil naira	265.17	315.15	703.64	695.49	253.74	446.64
Corn (yellow)	Mil naira	45.66	10.04	39.26	30.09	4.98	26.01
Rice (milled)	Mil naira	533.48	513.57	648.84	389.63	282.71	473.65
Sugar	Mil naira	291.34	355.81	269.54	274.81	254.91	289.28
Cotton	Mil naira	46.02	68.22	219.23	169.72	172.58	135.15
CSE by commodity:							
Wheat	Percent	143.3	184.1	321.1	267.0	132.3	217.3
Corn (yellow)	Percent	143.7	185.0	321.9	267.4	134.0	202.0
Rice (milled)	Percent	37.2	32.2	28.4	13.2	14.9	23.3
Sugar	Percent	143.7	175.0	301.9	247.5	128.9	179.8
Cotton	Percent	119.9	160.3	298.9	252.5	123.9	187.3
Total policy transfers	Mil naira	1181.67	1262.79	1880.51	1559.74	968.92	1370.73
Cost to consumers	Mil naira	1890.81	2019.49	2677.36	3410.92	2433.43	2486.40
5-commodity CSE	Percent	62.5	62.5	70.2	45.7	39.8	55.1

PAKISTAN  
Measured Policies

Policy Instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
State control of trade (includes the impact of producer supports)	cotton PSE, CSE	The Cotton Export Corporation (CEC) is the sole exporter of cotton in Pakistan. The CEC also maintains lint support prices when necessary. CEC losses are covered by the treasury.	Compare producer or wholesale prices of (seed) cotton with export or import parity prices. Prices of representative domestic variety are compared with index price adjusted for transportation, handling, ginning, percentage, and value of cottonseed.
Fertilizer assistance	cotton PSE	The Government is the sole importer and covers virtually all domestic marketing costs. It also subsidizes natural gas to fertilizer producers. Fertilizer users are subsidized via subsidies and taxes on fertilizer producers and marketers. High-cost domestic producers are subsidized, and low-cost producers are taxed (via the (development surcharge). Both domestic and imported fertilizer are subsidized. Prices for fertilizer are the same everywhere in the country.	Compare the prices paid for N and P by the farmer with the import parity prices. The budget data on taxes and subsidies to and from domestic and imported fertilizer may reflect abnormal levels of manufacturer profitability and do not measure the impact on farmers.
Credit	cotton PSE	Interest-free loans are provided to small farmers (5 ha or less). Subsidized interest rate loans are also provided for agricultural production and investment.	For interest-free loans, use loan volumes and implicit interest rate with the share of area under cotton on small farms. For below-market loans, use rate differentials, loan volumes, and estimated shares to cotton farmers. Estimate the share of short-term loans as the share of fertilizer used on cotton since this is the largest single use of short-term credit. For other loans, the share is estimated to be somewhat higher since cotton is a cash crop, and investment in tubewells, pumps, and tractors is likely to be greater than for food crops.

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Pakistan: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Electricity	cotton PSE	The Government enforces a differential electricity tariff, which includes a sizable subsidy for agriculture.	Use rate differential to agriculture, volume of electricity used by agriculture, and estimated share to cotton. This share is estimated as the share of irrigation water used by cotton since pumps are the primary use for agricultural electricity.
Irrigation	cotton PSE	The Government recovers only part of its operating and maintenance expenditures on canal irrigation. The Government also subsidizes the sinking of tubewells.	For canal water, use the difference between expenditures and receipts, as reported by the World Bank, and the share to cotton. For tubewells, use the total subsidy and the share to cotton. The share of assistance to cotton is estimated directly as the share of irrigation water used on cotton.

PAKISTAN  
Unmeasured Policies

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Policy instrument	Reason for no measurement
Export duty	The Cotton Export Corporation is the sole exporter and pays the duty, but it is normally refunded, so the duty is ignored.
All agricultural income is exempt from taxation	Insufficient data. The former land tax and the current Islamic Ushr (production-based tax) partly balance this favorable treatment.
Provincial governments subsidize the purchase of sprayers	Insufficient data. The magnitude of this effect is also presumed to be small.
Overvaluation of exchange rate	Insufficient data. In the 1980's, the magnitude of this effect can be presumed to be small; the rupee has been consistently depreciated with respect to the dollar.

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## Pakistan PSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Cotton:</b>							
Level of production	1000 mt	2470	1428	3022	3630	3880	2886
Producer price	Rs/kg	4.8	7.4	5.3	5.1	5.3	5.5
Value to producers	Mil rs	11733	10567	15941	18332	20370	15388
<b>Policy transfers to producers:</b>							
Trade control	Mil rs	-4382	-2016	-5326	-561	-8471	-4151
Fertilizer	Mil rs	730	380	754	667	493	605
Credit	Mil rs	92	148	184	205	218	169
Electricity	Mil rs	150	151	157	194	227	176
Irrigation	Mil rs	115	113	151	178	187	149
Total policy transfers	Mil rs	-3295	-1224	-4080	683	-7346	-3052
PSE (per unit value)	Percent	-28.1	-11.6	-25.6	3.7	-36.1	-19.8
PSE (per unit quantity)	Rs/ton	-1334.01	-857.14	-1350.10	188.15	-1893.30	-1049.28
	US\$/ton	-104.63	-63.59	-89.06	11.66	-110.20	-71.16

Note: rs = rupees.

SOUTH AFRICA  
Measured Policies

(For underscored numbers in parentheses, see References following this table)

Policy instrument	subsidy equivalent	Affected Policy explanation	Estimation procedure
Credit subsidy	wheat PSE sugar PSE corn PSE	The Government of South Africa provided for subsidized interest rates to many activities in the the agricultural sector.	Prime overdraft rates for credit were compared with interest rates charged by Government credit institutions. Public institutional credit was allocated among crops based on (4).
Fertilizer subsidy	wheat PSE corn PSE	The Government makes payments to lower the cost of fertilizer to farmers.	The subsidy payments were allocated according to rough estimates of crop use (10).
Overvaluation	wheat CSE, PSE sugar CSE, PSE corn CSE, PSE	The official exchange rate overvalued the South African currency, lowering the price of internationally traded commodities.	International prices of commodities (2, 8, 9) were adjusted by estimates of overvaluation (6) and inflation (3).
Transport subsidy	wheat PSE corn PSE	The Government grants rebates on transport costs of corn and other feeds, livestock, and fertilizers.	Allocations of these transfer payments (10) were approximated at 20 percent to corn and 5 percent to wheat.
Price subsidy	wheat CSE, PSE corn CSE, PSE	Producer prices paid for wheat by the corn and wheat boards were often above import parity prices. The Government provides a subsidy to reduce the price of bread to consumers. The Maize Board's selling price of corn for domestic consumption was below the price except for 1982.	Prices and subsidy data used were taken from (1, 5, 8, 9).

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South Africa: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Import licensing	sugar PSE, CSE	Import licensing was used to control domestic sugar prices. Estimated domestic prices paid producers exceeded estimated import parity prices.	Using prices from (2) and (7) and ERS estimates for refining costs, an import parity price for raw sugar, Durban, based on the Caribbean price, was made. Using white sugar, wholesale prices, Durban and estimating refining costs an estimate of the domestic new price, Durban, was made.

SOUTH AFRICA  
Unmeasured Policies

Policy instrument	Reason for no measurement
Fuel subsidy	Data insufficient, magnitude not considered large.
Extension and research	Data insufficient to allocate subsidy to individual crops.
Monopolistic and protectionist tendencies among agricultural input suppliers	Data insufficient to estimate and allocate costs to individual crops.
Restrictions on farm labor mobility	Information insufficient to measure degree of wage reduction and to allocate to individual crops.

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## South Africa PSE's

Item	Units	1982	1983	1984	1985	1986	1982-86 ave
<b>Wheat:</b>							
Level of production	1000 tons	2420	1809	2224	1680	2285	2084
Producer price	Rand/ton	286	266	289	312	360	303
Value to producers	Mil rand	692	481	643	524	823	630
Policy transfers to producers:							
Transportation	Mil rand	0.20	0.30	1.00	0.80	0.60	0.58
Fertilizer subsidy	Mil rand	1.80	1.60	0.50	0.50	0.40	0.96
Credit subsidy	Mil rand	37.40	49.20	71.80	62.10	65.90	57.28
Price subsidy	Mil rand	222.20	141.50	103.40	-62.50	91.00	99.12
Overvaluation	Mil rand	-181.00	-125.20	-67.10	113.60	47.70	-42.40
Total policy transfers	Mil rand	80.60	67.40	109.60	114.50	205.60	115.54
PSE (per unit value)	Percent	11.65	14.01	17.05	21.84	24.99	18.33
PSE (per unit quantity)	Rand/ton	33.31	37.26	49.28	68.15	89.98	55.60
	US\$/ton	30.84	33.57	34.22	30.43	39.66	33.74
<b>Sugar:</b>							
Level of production	1000 tons	2256	1462	2514	2255	2271	2152
Producer price	Rand/ton	196	232	299	228	257	242
Value to producers	Mil rand	442	340	751	514	583	521
Policy transfers to producers:							
Import licensing	Mil rand	-73.40	6.70	258.00	-55.90	-289.30	-30.78
Credit subsidy	Mil rand	4.70	6.20	9.00	7.80	8.20	7.18
Overvaluation	Mil rand	-167.10	-107.10	-49.80	85.10	49.00	-37.98
Total policy transfers	Mil rand	-235.80	-94.20	217.20	37.00	-232.10	-61.58
PSE (per unit value)	Percent	-53.32	-27.75	28.94	7.20	-39.84	-11.81
PSE (per unit quantity)	Rand/ton	-104.52	-64.43	86.40	16.41	-102.21	-33.67
	US\$/ton	-96.78	-58.05	60.00	7.32	-45.05	-26.51
<b>Corn:</b>							
Level of production	1000 tons	8355	4083	4405	8136	8078	6611
Producer price(yellow)	Rand/ton	134	168	215	215	225	191
Value to producers	Mil rand	1120	684	945	1747	1820	1264
Policy transfers to producers							
Transportation	Mil rand	0.80	1.20	4.20	3.60	2.30	2.42
Fertilizer subsidy	Mil rand	8.50	7.00	2.30	2.30	1.70	4.36
Credit subsidy	Mil rand	78.00	102.60	149.50	129.40	137.30	119.36
Price subsidy	Mil rand	578.6	312.3	369.5	329.8	702.2	458.48
Overvaluation	Mil rand	-147.50	-84.50	-121.40	467.70	142.30	51.32
Total policy transfers	Mil rand	518.40	338.60	404.10	932.80	985.80	635.94
PSE (per unit value)	Percent	46.27	49.48	42.75	53.40	54.17	50.29
PSE (per unit quantity)	Rand/ton	62.05	82.93	91.74	114.65	122.04	94.68
	US\$/ton	57.45	74.71	63.71	51.18	53.78	60.17

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## South Africa PSE's (continued)

Item	Units	1982	1983	1984	1985	1986	1982-86 ave
Summary:							
Policy transfers by policy							
Transportation	Mil rand	1.00	1.50	5.20	4.40	2.90	3.00
Fertilizer subsidy	Mil rand	10.30	8.60	2.80	2.80	2.10	5.32
Credit subsidy	Mil rand	120.10	158.00	230.30	199.30	211.40	183.82
Price subsidy	Mil rand	800.80	453.80	472.90	267.30	793.20	557.60
Import licensing	Mil rand	-73.40	6.70	258.00	-55.90	-289.30	-30.78
Overvaluation	Mil rand	-495.60	-316.80	-238.30	666.40	239.00	-29.06
Policy transfers by commodity:							
Wheat	Mil rand	80.60	67.40	109.60	114.50	205.60	115.54
Corn	Mil rand	518.40	338.60	404.10	932.80	985.80	635.94
Sugar	Mil rand	-235.8	-94.2	217.2	37	-232.1	-61.58
PSE by commodity:							
Wheat	Percent	11.6	14.0	17.1	21.8	25.0	18.3
Corn	Percent	46.3	49.5	42.7	53.4	54.2	50.3
Sugar	Percent	-53.3	-27.7	28.9	7.2	-39.8	-11.8
Total policy transfers	Mil rand	363.20	311.80	730.90	1084.30	959.30	689.90
Value to producers	Mil rand	2254.79	1505.03	2338.68	2784.96	3225.15	2416.25
3-commodity PSE	Percent	16.1	20.7	31.3	38.9	29.7	28.6

## South Africa CSE's

Item	Units	1982	1983	1984	1985	1986	1982-86 ave
<b>Wheat:</b>							
Level of consumption	1000 tons	1851	1849	1962	2035	2078	1955
Wholesale price	Rand/ton	280	280	303	329	388	316
Cost to consumers	Mil rand	518	518	594	670	807	622
Policy transfers to consumers:							
Price subsidy on grain	Mil rand	-144.1	-156.4	-101.0	61.2	-141.8	-96.4
Price subsidy on bread	Mil rand	182.0	193.5	267.6	194.3	180.5	203.6
Overvaluation	Mil rand	138.4	127.9	59.2	-137.6	-43.4	28.9
Total policy transfers	Mil rand	176.3	165.0	225.8	117.9	-4.7	136.1
CSE (per unit value)	Percent	34.02	31.83	37.98	17.60	-0.58	21.89
CSE (per unit quantity)	Rand/ton	95.2	89.2	115.1	57.9	-2.3	71.0
	US\$/ton	88.2	80.4	79.9	25.9	-1.0	54.7
<b>Sugar:</b>							
Level of consumption	1000 tons	1273	1349	1366	1284	1205	1295
Wholesale price	Rand/ton	308	342	390	437	516	399
Cost to consumers	Mil rand	392	462	533	561	621	514
Policy transfers to consumers:							
Import licensing	Mil rand	41.4	-6.2	-140.2	31.8	153.5	16.1
Overvaluation	Mil rand	107.6	108.5	32.1	-61.1	-30.2	31.4
Total policy transfers	Mil rand	149.0	102.3	-108.1	-29.3	123.3	47.4
CSE (per unit value)	Percent	37.99	22.16	-20.29	-5.22	19.84	9.23
CSE (per unit quantity)	Rand/ton	117.0	75.8	-79.1	-22.8	102.3	38.6
	US\$/ton	108.4	68.3	-55.0	-10.2	45.1	31.3
<b>Corn:</b>							
Level of consumption	1000 tons	6279	6671	7132	5724	5462	6254
Wholesale price (yellow)	Rand/ton	155	170	221	243	266	211
Cost to consumers	Mil rand	975	1135	1573	1389	1455	1305
Policy transfers to consumers:							
Price subsidy on grain	Mil rand	-51.2	16.2	64.9	358.8	21.8	82.1
Overvaluation	Mil rand	341.8	406.6	196.5	-329.0	-96.2	103.9
Total policy transfers	Mil rand	290.6	422.8	261.4	29.8	-74.4	186.0
CSE (per unit value)	Percent	29.80	37.26	16.62	2.15	-5.12	14.25
CSE (per unit quantity)	Rand/ton	46.3	63.4	36.7	5.2	-13.6	27.6
	US\$/ton	42.9	57.1	25.5	2.3	-6.0	24.3

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South Africa CSE's (continued)

Item	Units	1982	1983	1984	1985	1986	1982-86 ave
<b>Summary:</b>							
Policy transfers by policy:							
Price subsidy on grain	Mil rand	-195.30	-140.20	-36.10	420.00	-120.00	-14.32
Price subsidy on bread	Mil rand	182.00	193.50	267.60	194.30	180.50	203.58
Import licensing	Mil rand	41.40	-6.20	-140.20	31.80	153.50	16.06
Overvaluation	Mil rand	587.80	643.00	287.80	-527.70	-169.82	164.22
Policy transfers by commodity:							
Wheat	Mil rand	176.30	165.00	225.80	117.90	-4.70	136.06
Corn	Mil rand	290.60	422.80	261.40	29.80	-74.42	186.04
Sugar	Mil rand	149.00	102.30	-108.10	-29.30	123.30	47.44
CSE by commodity:							
Wheat	Percent	34.0	31.8	38.0	17.6	-0.6	21.9
Corn	Percent	29.8	37.3	16.6	2.1	-5.1	14.3
Sugar	Percent	38.0	22.2	-20.3	-5.2	19.8	9.2
Total policy transfers	Mil rand	615.90	690.10	379.10	118.40	44.18	369.54
Cost to consumers	Mil rand	1885.62	2114.92	2699.85	2620.23	2882.99	2440.72
3-commodity CSE	Percent	32.7	32.6	14.0	4.5	1.5	15.1



SOUTH KOREA  
Measured Policies

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
State control	rice PSE, CSE wheat PSE, CSE corn PSE barley PSE, CSE soybeans PSE, CSE beef PSE, CSE pork PSE, CSE chicken PSE, CSE eggs PSE, CSE milk PSE, CSE sugar CSE	The Government of South Korea strictly controls imports of all covered commodities. Government stabilizes food grain prices through control of distribution and Government stocks and price supports for rice producers. Imports, depending on the particular commodity, are banned, limited exclusively to the Government such as for rice and barley or by license, with quotas often applied.	In most cases, PSE's and CSE's were based on differences between c.i.f. import prices and appropriate domestic prices (producer or wholesale). When import prices were not available, the following reference prices were used: (1) Reference prices for common barley and naked barley were based on barley import prices in Taiwan, while reference price for beer barley was based on common barley import prices in Taiwan adjusted by the difference in calendar year prices between Minneapolis feed barley (#2) and Minneapolis malting barley (#3); (2) Reference prices for pork and chicken were based on Japanese import prices of pork and chicken; (3) Reference prices for eggs were based on Hong Kong import prices for eggs from the United States; (4) Reference price for rice was based on the medium-grain California rice price.
Food production	rice PSE barley PSE soybeans PSE beef PSE pork PSE milk PSE	Mainly Government subsidized production credit and subsidies for imports, such as seeds, fertilizers, and pesticides	In direct proportion to each product's contribution to the total value of all agricultural products (TVP).
Agricultural mechanization	rice PSE wheat PSE corn PSE barley PSE soybeans PSE	Mechanized hand tillers are more widely used due to Government subsidized credit and/or prices. Designed to reduce labor shortages during peak demand periods such as in April and June when transplanted, and when barley is harvested.	In direct proportion to each crop's contribution to the total planted area in all crops.
Irrigation development	rice PSE	Irrigation infrastructure	Assumed 90 percent for rice; none for other crops for which PSE's were developed.

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South Korea: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Agricultural infrastructure development	rice PSE barley PSE soybeans PSE beef PSE pork PSE chicken PSE eggs PSE milk PSE	Industry land leveling and drainage projects	In direct proportion to each product's share of the TVP
Integrated large-scale agricultural development	rice PSE barley PSE soybeans PSE beef PSE pork PSE chicken PSE eggs PSE milk PSE	Budgetary expense	In direct proportion to each product's share of TVP
Marketing improvement	beef PSE pork PSE chicken PSE	Budgetary expense	In direct proportion to each product's share of the total value of livestock products (TVLP)
Specialized agricultural and livestock project	beef PSE pork PSE chicken PSE eggs PSE milk PSE	Budgetary expense	75 percent of the product share of TVLP multiplied by the budgetary amount
Agricultural development	rice PSE barley PSE soybeans PSE beef PSE pork PSE chicken PSE eggs PSE milk PSE	Budgetary expense	In direct proportion to each product's share of total agricultural sales
Rural income source development	beef PSE pork PSE chicken PSE eggs PSE milk PSE	Budgetary expense	50 percent of the product share of TVLP multiplied by the budgetary amount
Current expenditure	rice PSE barley PSE soybeans PSE beef PSE pork PSE chicken PSE eggs PSE milk PSE	Budgetary expense	In direct proportion to each product's share of TVP

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## South Korea PSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Wheat:</b>							
Level of production	1000 tons	65.8	111.6	17.2	10.5	5.0	42.0
Producer price	Won/ton	334379	335817	290301	275961	296471	306586
Value to producers	Mil won	22002	37477	4993	2898	1482	13770
Policy transfers to producers:							
Price stabilization	Mil won	13891	21722	2660	1479	881	8127
Agricultural mechanization	Mil won	270	260	20	10	20	116
Total transfers	Mil won	14161	21982	2680	1489	901	8243
PSE (per unit value)	Percent	64.4	58.7	53.7	51.4	60.8	59.9
PSE (per unit quantity)	Won/ton	215211	196975	155814	141810	180280	178018
	US\$/ton	294	254	193	163	205	222
<b>Corn:</b>							
Level of production	1000 tons	117	101	133	132	113	119
Producer price	Won/ton	210174	233690	275909	281311	289359	258089
Value to producers	Mil won	24590	23603	36696	37133	32698	30944
Policy transfers to producers:							
Price stabilization	Mil won	13160	12413	19586	22620	22916	18139
Agricultural mechanization	Mil won	390	270	70	260	270	252
Total transfers	Mil won	13550	12683	19656	22880	23186	18391
PSE (per unit value)	Percent	55.1	53.7	53.6	61.6	70.9	59.4
PSE (per unit quantity)	Won/ton	115810	125572	147789	173333	205189	153539
	US\$/ton	158	162	183	199	233	187
<b>Rice:</b>							
Level of production:							
Traditional	1000 tons	3260	3365	3829	3890	3907	3650
High yielding	1000 tons	1891	2023	1842	1729	1700	1837
Producer price:							
Traditional	Won/ton	718275	735338	754250	827500	912500	789573
High yielding	Won/ton	646012	638250	654825	703538	730625	674650
Value to producers	Mil won	3563185	3765592	4094211	4435392	4807200	4133116
Policy transfers to producers:							
Price stabilization	Mil won	2190376	2467044	2712996	2983230	3399560	2750641
Food production	Mil won	4210	4920	4490	3990	4480	4418
Agricultural mechanization	Mil won	16370	12200	3050	3240	12730	9518
Irrigation development	Mil won	93870	133650	141480	126900	128160	124812
Ag infra-structure dev	Mil won	19880	19170	24780	23700	40640	25634
Large scale ag dev	Mil won	38030	35510	39900	36650	41370	38292
Agricultural development	Mil won	12240	13650	10560	28770	52740	23592
Current expenditure	Mil won	0	0	0	3600	4030	1526
Total transfers	Mil won	2374976	2686144	2937256	3210080	3683710	2978433
PSE (per unit value)	Percent	66.7	71.3	71.7	72.4	76.6	72.1
PSE (per unit quantity)	Won/ton	461071	498542	517943	571290	656984	541166
	US\$/ton	631	643	643	657	745	664

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## South Korea PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Barley:</b>							
Level of production:							
Common	1000 tons	305	392	340	250	192	296
Naked	1000 tons	654	669	625	312	233	499
Beer	1000 tons	99	99	165	230	200	159
Producer price:							
Common	Won/ton	271477	279634	288328	305804	357372	300523
Naked	Won/ton	299907	308248	318144	336994	372614	327181
Beer	Won/ton	316320	319040	325440	343360	353252	331482
Value to producers	Mil won	310440	347058	350655	260566	226085	298961
Policy transfers to producers:							
Price stabilization	Mil won	187162	219551	209560	161820	160415	187701
Food production	Mil won	380	450	380	230	210	330
Agricultural mechanization	Mil won	4370	3200	840	620	1930	2192
Ag infra-structure dev	Mil won	1780	1760	2120	1390	1940	1798
Large scale ag dev	Mil won	3410	3260	2410	2150	1970	2640
Agricultural development	Mil won	1100	1260	900	1690	2520	1494
Current expenditure	Mil won	0	0	0	210	190	80
Total transfers	Mil won	198202	229481	216210	168110	169175	196235
PSE (per unit value)	Percent	63.8	66.1	61.7	64.5	74.8	65.6
PSE (per unit quantity)	Won/ton	187230	198033	191285	212260	270680	211898
	US\$/ton	256	255	237	244	307	260
<b>Soybeans:</b>							
Level of production	1000 tons	233	226	254	234	234	236
Producer price	Won/ton	727140	806605	797862	774092	783352	777810
Value to producers	Mil won	169714	182615	202258	181138	183304	183806
Policy transfers to producers:							
Price stabilization	Mil won	123556	133438	137826	130500	136617	132387
Food production	Mil won	200	240	220	160	150	194
Agricultural mechanization	Mil won	2520	1810	470	410	1850	1412
Ag infra-structure dev	Mil won	940	930	1220	970	1320	1076
Large scale ag dev	Mil won	1800	1720	1970	1490	1340	1664
Agricultural development	Mil won	580	660	520	1170	1710	928
Current expenditure	Mil won	0	0	0	150	130	56
Total transfers	Mil won	129596	138798	142226	134850	143117	137717
PSE (per unit value)	Percent	76.4	76.0	70.3	74.4	78.1	74.9
PSE (per unit quantity)	Won/ton	555252	613064	561049	576282	611611	583452
	US\$/ton	759	790	696	662	694	720

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## South Korea PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Beef:</b>							
Level of production	1000 tons	83	90	122	161	190	129
Producer price	Won/ton	5437000	5927000	5723000	4384000	3875000	5069200
Value to producers	Mil won	451271	533430	698206	705824	736250	624996
Policy transfers to producers:							
Price stabilization	Mil won	329726	387900	497302	392370	334932	388446
Food production	Mil won	760	1430	1200	860	690	988
Ag infra-structure dev	Mil won	3600	5590	6610	5080	6230	5422
Large scale ag dev	Mil won	6890	10360	10650	7860	6340	8420
Marketing improvement	Mil won	1980	3380	3180	3610	7690	3968
Ag & livestock project	Mil won	1690	1510	1240	1170	1250	1372
Agricultural development	Mil won	2220	3980	2820	6170	8080	4654
Rural income source dev	Mil won	0	0	450	4140	4040	1726
Current expenditure	Mil won	0	0	0	770	620	278
Total transfers	Mil won	346866	414150	523452	422030	369872	415274
PSE (per unit value)	Percent	76.9	77.6	75.0	59.8	50.2	66.4
PSE (per unit quantity)	Won/ton	4179110	4601667	4290590	2621304	1946695	3527873
	US\$/ton	5716	5932	5323	3013	2209	4439
<b>Pork:</b>							
Level of production	1000 tons	238	295	341	345	346	313
Producer price	Won/ton	2527000	2198000	1894000	2341000	2436000	2279200
Value to producers	Mil won	601426	648410	645854	807645	842856	709238
Policy transfers to producers:							
Price stabilization	Mil won	166691	83011	-109616	-17400	-304964	-36456
Food production	Mil won	1030	1390	870	940	790	1004
Ag infra-structure dev	Mil won	4860	5430	4790	5570	7210	5572
Large scale ag dev	Mil won	9300	10060	7710	8610	7340	8604
Marketing improvement	Mil won	2670	3280	2300	3460	8910	4124
Ag & livestock project	Mil won	2280	1460	900	1280	1450	1474
Agricultural development	Mil won	2990	3870	2040	6760	9350	5002
Rural income source dev	Mil won	0	0	330	4530	4680	1908
Current expenditure	Mil won	0	0	0	840	720	312
Total transfers	Mil won	189821	108501	-90676	14590	-264514	-8456
PSE (per unit value)	Percent	31.6	16.7	-14.0	1.8	-31.4	-1.2
PSE (per unit quantity)	Won/ton	797567	367800	-265912	42290	-764492	-116472
	US\$/ton	1091	474	-330	49	-867	83

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## South Korea PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Chicken:</b>							
Level of production	1000 tons	99	120	118	126	130	119
Producer price	Won/ton	1461000	1386000	1583000	1574000	1475000	1495800
Value to producers	Mil won	144639	166320	186794	198324	191750	177565
Policy transfers to producers:							
Price stabilization	Mil won	46059	54306	63674	83520	80207	65553
Food production	Mil won	360	380	320	270	180	302
Ag infra-structure dev	Mil won	1690	1470	1750	1610	1640	1632
Large scale ag dev	Mil won	3230	2720	2810	2500	1660	2584
Marketing improvement	Mil won	930	890	840	1000	2020	1136
Ag & livestock project	Mil won	790	400	330	370	330	444
Agricultural development	Mil won	1040	1050	740	1960	2120	1382
Rural income source dev	Mil won	0	0	120	1310	1060	498
Current expenditure	Mil won	0	0	0	250	160	82
Total transfers	Mil won	54099	61216	70584	92790	89377	73613
PSE (per unit value)	Percent	37.4	36.8	37.8	46.8	46.6	41.5
PSE (per unit quantity)	Won/ton	546458	510133	598169	736429	687518	81413
	US\$/ton	747	658	742	846	780	755
<b>Eggs:</b>							
Level of production	1000 tons	223	245	245	256	267	247
Producer price	Won/ton	901201	975807	1024194	991936	899194	958466
Value to producers	Mil won	200968	239073	250928	253936	240085	236998
Policy transfers to producers:							
Price stabilization	Mil won	12429	34135	34658	23490	-1763	20590
Food production	Mil won	230	310	270	230	230	254
Ag infra-structure dev	Mil won	1080	1220	1490	1380	2120	1458
Large scale ag dev	Mil won	2070	2250	2400	2130	2160	2202
Marketing improvement	Mil won	600	730	720	860	2620	1106
Ag & livestock project	Mil won	510	330	280	320	430	374
Agricultural development	Mil won	670	870	640	1680	2750	1322
Rural income source dev	Mil won	0	0	100	1120	1380	520
Current expenditure	Mil won	0	0	0	210	210	84
Total transfers	Mil won	17589	39845	40558	31420	10137	27910
PSE (per unit value)	Percent	8.8	16.7	16.2	12.4	4.2	11.8
PSE (per unit quantity)	Won/ton	78873	162633	165543	122734	37967	113550
	US\$/ton	108	210	205	141	43	141

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## South Korea PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Milk:</b>							
Level of production	1000 tons	576	712	840	1006	1127	852
Producer price	Won/ton	312000	313000	313000	317000	322000	315400
Value to producers	Mil won	179712	222856	262920	318902	362894	269457
<b>Policy transfers to producers:</b>							
Price stabilization	Mil won	82614	112491	162006	81780	142787	116336
Food production	Mil won	210	290	290	290	340	284
Ag infra-structure dev	Mil won	1000	1130	1590	1730	3130	1716
Large scale ag dev	Mil won	1920	2100	2560	2670	3190	2488
Marketing improvement	Mil won	550	690	760	1070	3870	1388
Ag & livestock project	Mil won	470	310	300	400	630	422
Agricultural development	Mil won	620	810	680	2100	4060	1654
Rural income source dev	Mil won	0	0	110	1410	2030	710
Current expenditure	Mil won	0	0	0	260	310	114
Total transfers	Mil won	87384	117821	168296	91710	160347	125112
PSE (per unit value)	Percent	48.6	52.9	64.0	28.8	44.2	46.4
PSE (per unit quantity)	Won/ton	151709	165479	200352	91163	142278	150196
	US\$/ton	208	213	249	105	161	187

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## South Korea PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Summary:</b>							
<b>Policy transfers by policy:</b>							
Price stabilization	Mil won	3165663	3526011	3730652	3863409	3971588	3651465
Agricultural mechanization	Mil won	23920	17740	4450	4540	16800	13490
Food production	Mil won	7380	9410	8040	6970	7070	7774
Irrigation development	Mil won	93870	133650	141480	126900	128160	124812
Ag infra-structure dev	Mil won	34830	36700	44350	41430	64230	44308
Large scale ag dev	Mil won	66650	67980	70410	64060	65370	66894
Agricultural development	Mil won	21460	26150	18900	50300	83330	40028
Current expenditure	Mil won	0	0	0	6290	6370	2532
Marketing improvement	Mil won	6730	8970	7800	10000	25110	11722
Ag & livestock project	Mil won	5740	4010	3050	3540	4090	4086
Rural income source dev	Mil won	0	0	1110	12510	13190	5362
<b>Policy transfers by commodity:</b>							
Wheat	Mil won	14161	21982	2680	1489	901	8243
Corn	Mil won	13550	12683	19656	22880	23186	18391
Rice	Mil won	2374976	2686144	2937256	3210080	3683710	2978433
Barley	Mil won	198202	229481	216210	168110	169175	196235
Soybeans	Mil won	129596	138798	142226	134850	143117	137717
Beef	Mil won	346866	414150	523452	422030	369872	415274
Pork	Mil won	189821	108501	-90676	14590	-264514	-8456
Chicken	Mil won	54099	61216	70584	92790	89377	73613
Eggs	Mil won	17589	39845	40558	31420	10137	27910
Milk	Mil won	87384	117821	168296	91710	160347	125112
<b>PSE by commodity:</b>							
Wheat	Percent	64.4	58.7	53.7	51.4	60.8	59.9
Corn	Percent	55.1	53.7	53.6	61.6	70.9	59.4
Rice	Percent	66.7	71.3	71.7	72.4	76.6	72.1
Barley	Percent	63.8	66.1	61.7	64.5	74.8	65.6
Soybeans	Percent	76.4	76.0	70.3	74.4	78.1	74.9
Beef	Percent	76.9	77.6	75.0	59.8	50.2	66.4
Pork	Percent	31.6	16.7	-14.0	1.8	-31.4	-1.2
Chicken	Percent	37.4	36.8	37.8	46.8	46.6	41.5
Eggs	Percent	8.8	16.7	16.2	12.4	4.2	11.8
Milk	Percent	48.6	52.9	64.0	28.8	44.2	46.4
Total transfers	Mil won	3426243	3830621	4030242	4189949	4385308	3972473
Value to producers	Mil won	5667948	6166434	6733514	7201757	7624604	6678852
10-commodity PSE	Percent	60.4	62.1	59.9	58.2	57.5	59.5

South Korea CSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Rice:</b>							
Level of consumption	1000 tons	5457	5303	5540	5497	5787	5517
Wholesale price	Won/ton	758675	764550	768100	830025	893625	802995
Cost to consumers	Mil won	4140089	4054409	4255274	4562647	5171408	4436765
Policy transfers to consumers:							
Price stabilization	Mil won	-2684599	-2832446	-2973415	-3175500	-3753618	-3083916
Total transfers	Mil won	-2684599	-2832446	-2973415	-3175500	-3753618	-3083916
CSE (per unit value)	Percent	-64.8	-69.9	-69.9	-69.6	-72.6	-69.5
CSE (per unit quantity)	Won/ton	-491955	-534121	-536718	-577679	-648629	-557820
	US\$/ton	-673	-688	-666	-664	-736	-685
<b>Wheat flour:</b>							
Level of consumption	1000 tons	1580	1592	1612	1633	1632	1610
Wholesale price	Won/ton	204320	192820	191229	216548	236957	208375
Cost to consumers	Mil won	322826	306969	308261	353623	386714	335679
Policy transfers to consumers:							
Price stabilization	Mil won	105278	33359	73910	81954	-6082	57684
Total transfers	Mil won	105278	33359	73910	81954	-6082	57684
CSE (per unit value)	Percent	32.6	10.9	24.0	23.2	-1.6	17.2
CSE (per unit quantity)	Won/ton	66632	20954	45850	50186	-3727	35979
	US\$/ton	91	27	57	58	-4	46
<b>Barley:</b>							
Level of consumption	1000 tons	704	776	781	730	500	698
Wholesale price	Won/ton	289164	369059	406667	433333	449608	389566
Cost to consumers	Mil won	203571	286390	317607	316333	224804	269741
Policy transfers to consumers:							
Price stabilization	Mil won	-123410	-202329	-221569	-230724	-176280	-190862
Total transfers	Mil won	-123410	-202329	-221569	-230724	-176280	-190862
CSE (per unit value)	Percent	-60.6	-70.6	-69.8	-72.9	-78.4	-70.8
CSE (per unit quantity)	Won/ton	-175298	-260733	-283699	-316060	-352560	-277670
	US\$/ton	-240	-336	-352	-363	-400	-338
<b>Soybeans:</b>							
Level of consumption	1000 tons	806	919	937	1108	1220	998
Wholesale price	Won/ton	730825	855604	798423	756645	815770	791453
Cost to consumers	Mil won	589045	786300	748122	838363	995239	791414
Policy transfers to consumers:							
Price stabilization	Mil won	-430618	-587358	-509070	-597864	-752716	-575525
Total transfers	Mil won	-430618	-587358	-509070	-597864	-752716	-575525
CSE (per unit value)	Percent	-73.1	-74.7	-68.0	-71.3	-75.6	-72.7
CSE (per unit quantity)	Won/ton	-534266	-639127	-543298	-539588	-616980	-574652
	US\$/ton	-731	-824	-674	-620	-700	-710

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## South Korea CSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Beef:</b>							
Level of consumption	1000 tons	148	160	149	168	192	163
Retail price	Won/ton	7464000	8304000	8506000	7054000	7300000	7725600
Cost to consumers	Mil won	1104672	1328640	1267394	1185072	1401600	1257476
Policy transfers to consumers:							
Price stabilization	Mil won	-838791	-1029409	-898690	-813972	-964604	-909093
Total transfers	Mil won	-838791	-1029409	-898690	-813972	-964604	-909093
CSE (per unit value)	Percent	-75.9	-77.5	-70.9	-68.7	-68.8	-72.3
CSE (per unit quantity)	Won/ton	-5667507	-6433806	-6031477	-4845071	-5023979	-5600368
	US\$/ton	-7752	-8293	-7483	-5569	-5700	-6959
<b>Pork:</b>							
Level of consumption	1000 tons	238	294	340	347	346	313
Retail price	Won/ton	3420000	3208000	2802000	3522000	3965000	3383400
Cost to consumers	Mil won	813960	943152	952680	1222134	1371890	1060763
Policy transfers to consumers:							
Price stabilization	Mil won	-176707	-96975	44411	-115623	-121986	-93376
Total transfers	Mil won	-176707	-96975	44411	-115623	-121986	-93376
CSE (per unit value)	Percent	-21.71	-10.28	4.66	-9.46	-8.89	-8.80
CSE (per unit quantity)	Won/ton	-742466	-329847	130621	-333207	-352561	-325492
	US\$/ton	-1015.5	-425.2	162.1	-383.0	-400.0	-412.3
<b>Chicken:</b>							
Level of consumption	1000 tons	99	123	121	128	132	121
Retail price	Won/ton	1522000	1363000	1642000	1711000	1603000	1568200
Cost to consumers	Mil won	150678	167649	198682	219008	211596	189523
Policy transfers to consumers:							
Price stabilization	Mil won	-52127	-52987	-72459	-103878	-94662	-75223
Total transfers	Mil won	-52127	-52987	-72459	-103878	-94662	-75223
CSE (per unit value)	Percent	-34.6	-31.6	-36.5	-47.4	-44.7	-39.7
CSE (per unit quantity)	Won/ton	-526535	-430789	-598835	-811547	-717136	-616968
	US\$/ton	-720	-555	-743	-933	-814	-753
<b>Eggs:</b>							
Level of consumption	1000 tons	223	245	245	256	267	247
Retail price	Won/ton	993952	1122984	1151210	1141130	1112904	1104436
Cost to consumers	Mil won	221651	275131	282046	292129	297145	273621
Policy transfers to consumers:							
Price stabilization	Mil won	-32753	-70598	-65850	-61770	-55528	-57300
Total transfers	Mil won	-32753	-70598	-65850	-61770	-55528	-57300
CSE (per unit value)	Percent	-14.8	-25.7	-23.3	-21.1	-18.7	-20.9
CSE (per unit quantity)	Won/ton	-146874	-288155	-268776	-241289	-207970	-230613
	US\$/ton	-201	-371	-333	-277	-236	-284

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## South Korea's CSE (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Milk:</b>							
Level of consumption	1000 tons	582	716	811	987	1166	852
Retail price	Won/ton	520344	520344	520344	593139	593139	549462
Cost to consumers	Mil won	302840	372566	421999	585428	691600	474887
Policy transfers to consumers:							
Price stabilization	Mil won	-204489	-261988	-324254	-352437	-463881	-321410
Total transfers	Mil won	-204489	-261988	-324254	-352437	-463881	-321410
CSE (per unit value)	Percent	-67.5	-70.3	-76.8	-60.2	-67.1	-67.7
CSE (per unit quantity)	Won/ton	-351356	-365905	-399820	-357079	-397840	-374400
	US\$/ton	-481	-472	-496	-410	-451	-462
<b>Refined Sugar:</b>							
Level of consumption	1000 tons	354	391	421	421	444	406
Wholesale price	Won/ton	773334	698868	648134	531734	528334	636081
Cost to consumers	Mil won	273760	273257	272864	223860	234580	255664
Policy transfers to consumers:							
Price stabilization	Mil won	-185773	-194726	-195133	-158688	-153628	-177590
Total transfers	Mil won	-185773	-194726	-195133	-158688	-153628	-177590
CSE (per unit value)	Percent	-67.9	-71.3	-71.5	-70.9	-65.5	-69.5
CSE (per unit quantity)	Won/ton	-524782	-498020	-463499	-376931	-346009	-441848
	US\$/ton	-718	-642	-575	-433	-393	-552
<b>Summary:</b>							
Policy transfers by policy:							
Price stabilization	Mil won	-4623989	-5295457	-5142119	-5528502	-6542985	-5426610
Policy transfers by commodity:							
Rice	Mil won	-2684599	-2832446	-2973415	-3175500	-3753618	-3083915
Wheat flour	Mil won	105278	33359	73910	81954	-6082	57684
Barley	Mil won	-123410	-202329	-221569	-230724	-176280	-190862
Soybeans	Mil won	-430618	-587358	-509070	-597864	-752716	-575525
Beef	Mil won	-838791	-1029409	-898690	-813972	-964604	-909093
Pork	Mil won	-176707	-96975	44411	-115623	-121986	-93376
Chicken	Mil won	-52127	-52987	-72459	-103878	-94662	-75223
Eggs	Mil won	-32753	-70598	-65850	-61770	-55528	-57300
Milk	Mil won	-204489	-261988	-324254	-352437	-463881	-321410
Sugar	Mil won	-185773	-194726	-195133	-158688	-153628	-177590
CSE by commodity:							
Rice	Percent	-64.8	-69.9	-69.9	-69.6	-72.6	-69.5
Wheat flour	Percent	32.6	10.9	24.0	23.2	-1.6	17.2
Barley	Percent	-60.6	-70.6	-69.8	-72.9	-78.4	-70.8
Soybeans	Percent	-73.1	-74.7	-68.0	-71.3	-75.6	-72.7
Beef	Percent	-75.9	-77.5	-70.9	-68.7	-68.8	-72.3
Pork	Percent	-21.7	-10.3	4.7	-9.5	-8.9	-8.8
Chicken	Percent	-34.6	-31.6	-36.5	-47.4	-44.7	-39.7
Eggs	Percent	-14.8	-25.7	-23.3	-21.1	-18.7	-20.9
Milk	Percent	-67.5	-70.3	-76.8	-60.2	-67.1	-67.7
Sugar	Percent	-67.9	-71.3	-71.5	-70.9	-65.5	-69.5
Total policy transfers	Mil won	-4623989	-5295457	-5142119	-5528502	-6542985	-5426610
Cost to consumers	Mil won	8123093	8794464	9024930	9798598	10986577	9345532
10-commodity CSE	Percent	-56.9	-60.2	-57.0	-56.4	-59.6	-58.1

TAIWAN  
Measured Policies

(For underscored numbers in parentheses, see References below)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
State control	rice PSE, CSE wheat PSE, CSE soybeans PSE, CSE corn PSE, CSE sorghum PSE, CSE tobacco PSE sugar PSE, CSE chicken PSE, CSE milk PSE	Various policy measures caused the price paid or received for a particular commodity to differ from the open market price.	PSE's and CSE's were based on price difference between c.i.f. import prices and appropriate domestic prices (producer or wholesale). When prices were not available, the following references were used: (1) reference price for rice imports was based on the medium-grain California rice price, adjusted for ocean freight; (2) reference prices for tobacco and sugar were based on Taiwan export prices of tobacco and sugar; (3) reference price for chicken was based on Japanese import price of chicken; (4) reference price for consumer wheat price was estimated by summing up the Government's wheat base price for imported wheat as well as import duty, harbor tax, uplift tax, and specific levy ( <u>2</u> , <u>3</u> , <u>4</u> , <u>6</u> , <u>7</u> ).
Tariff	beef PSE, CSE milk PSE	Tariff on beef and milk product imports.	Data based on ( <u>3</u> , <u>9</u> ).
Levy and school lunch program	milk CSE	Levy on milk product imports for Dairy Development Fund, which supported school lunch program.	Data based on ( <u>3</u> , <u>9</u> ).
Budgetary expenditures on farm management improvement	rice PSE corn PSE soybeans PSE sorghum PSE sugar PSE tobacco PSE	Budgetary expenditures to improve the operational structure of agriculture and enlarge the farming scale; policy measures include guidance of joint, cooperative, and entrusted farming operations.	Budget expenditures allocated were based on each crop's share to the total harvested area in all crops ( <u>1</u> , <u>5</u> ).
Budgetary expenditures on production improvement	rice PSE corn PSE soybeans PSE sorghum PSE pork PSE chicken PSE beef PSE	Budgetary expenditures to adjust land use and agricultural production directions; policy measures include promotion of a 6-year Riceland Diversion Program, enhancement of the quality of animal products, and improvement of livestock-raising techniques to improve the structure of agricultural production.	Budget data in ( <u>1</u> ). For those expenditures that included several products, the allocation was based on each product's value share of all agricultural products ( <u>1</u> , <u>5</u> ).

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Taiwan: Measured Policies (continued)

Policy Instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Budgetary expenditures on the improvement of marketing system	rice PSE corn PSE soybeans PSE sorghum PSE pork PSE chicken PSE	Budgetary expenditures to improve marketing system, expand joint marketing by farmers' groups, and stabilize prices for agricultural products.	Budget data in (1). For those expenditures that included several products, the allocation was based on each product's value share of all agricultural products (1, 5).
Budgetary expenditures on infrastructure	all PSE's	Budgetary expenditures for rural public investment to promote effective use of agricultural resources.	Assumed 67 percent for agriculture (includes crop, livestock, fishery, and forestry) which was allocated in direct proportion to each product's contribution to the total value of all agricultural products (1, 5).
Budgetary expenditures research & infrastructure	all PSE's	Budgetary expenditures to accelerate the development of techniques for storage and food processing industry; strengthen agricultural extension and education system such as group training of nucleus farmers, train agricultural scientists and technicians, and enhance the service functions of farmers' organizations.	Allocated in direct proportion to each producer's share of the total value of all agricultural products (1, 5).

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## Taiwan PSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Rice:</b>							
Level of production	1000 tons	2484	2485	2244	2174	1974	2272
Producer price	nt\$/kg	20	20	20	19	18	20
Value to producers	Mil Nt\$	50417	48710	45243	41297	36476	44429
Policy transfers to producers:							
State control	Mil Nt\$	11898.37	11851.46	13532.65	10073.20	10671.09	11605.35
Budgetary expenditures:	Mil Nt\$	774.92	766.12	1002.1	1023.08	821.06	877.46
Farm managment	Mil Nt\$	75.92	88.00	89.99	80.72	51.56	77.24
Production	Mil Nt\$	45.60	40.50	82.90	95.10	73.10	67.44
Marketing	Mil Nt\$	3.20	3.60	4.20	0:00	0.00	2.20
Infrastructure	Mil Nt\$	535.10	522.55	719.04	743.35	581.95	620.40
Research and extension	Mil Nt\$	115.10	111.47	105.97	103.91	114.45	110.18
Total policy transfers	Mil Nt\$	12673.29	12617.58	14534.75	11096.28	11492.15	12482.81
PSE (per unit value)	Percent	25.1	25.9	32.1	26.9	31.5	28.1
PSE (per unit quantity)	Nt\$/kg	5.10	5.08	6.48	5.11	5.82	5.52
	US\$/ton	130.43	126.72	163.56	128.11	153.87	140.54
<b>Wheat:</b>							
Level of production	1000 tons	2.3	1.6	2.4	2.1	3.7	2.4
Producer price	Nt\$/kg	17	20	20	20	20	19
Value to producers	Mil Nt\$	38	31	46	42	72	46
Policy transfers to producers:							
State control	Mil Nt\$	20.40	18.75	28.53	26.49	49.11	28.66
Budgetary expenditures:	Mil Nt\$	0.66	0.41	0.94	0.96	1.69	0.93
Farm managment	Mil Nt\$	0.11	0.13	0.16	0.14	0.10	0.13
Infrastructure	Mil Nt\$	0.45	0.23	0.68	0.72	1.33	0.68
Research and extension	Mil Nt\$	0.10	0.05	0.10	0.10	0.26	0.12
Total policy transfers	Mil Nt\$	21.06	19.16	29.47	27.45	50.80	29.59
PSE (per unit value)	Percent	55.3	62.6	64.0	66.1	70.6	64.8
PSE (per unit quantity)	Nt\$/kg	9.12	12.20	12.49	12.89	13.77	12.09
	US\$/ton	233.03	304.60	315.36	323.40	363.82	308.04
<b>Corn:</b>							
Level of production	1000 tons	87.23	90.86	139.50	175.70	222.01	143.06
Producer price	Nt\$/kg	14.30	15.25	14.66	15.00	14.00	14.64
Value to producers	Mil Nt\$	1247.39	1385.62	2045.07	2635.50	3108.14	2094.68
Policy transfers to producers:							
State control	Mil Nt\$	747.37	868.60	1153.90	1653.34	2134.05	1311.45
Budgetary expenditures:	Mil Nt\$	122.64	165.41	218.33	136.59	146.57	157.91
Farm managment	Mil Nt\$	3.12	3.95	5.83	6.87	5.91	5.14
Production	Mil Nt\$	94.69	139.75	172.57	72.73	76.06	111.16
Marketing	Mil Nt\$	2.52	3.56	2.57	2.72	5.34	3.34
Infrastructure	Mil Nt\$	18.36	14.96	32.56	47.61	49.52	32.60
Research and extension	Mil Nt\$	3.95	3.19	4.80	6.66	9.74	5.67
Total policy transfers	Mil Nt\$	870.01	1034.01	1372.23	1789.93	2280.62	1469.36
PSE (per unit value)	Percent	69.7	74.6	67.1	67.9	73.4	70.1
PSE (per unit quantity)	Nt\$/kg	9.97	11.38	9.84	10.19	10.27	10.33
	US\$/ton	254.93	284.04	248.42	255.64	271.47	262.90

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## Taiwan PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Soybeans:</b>							
Level of production	1000 tons	12.04	8.59	9.55	12.21	14.89	11.46
Producer price	Nt\$/kg	22.51	20.70	22.79	20.00	20.50	21.30
Value to producers	Mil Nt\$	271.02	177.81	217.64	244.20	305.25	243.18
Policy transfers to producers							
State control	Mil Nt\$	132.57	87.62	94.19	114.69	175.82	120.98
Budgetary expenditures	Mil Nt\$	19.87	20.69	23.07	12.81	15.04	18.30
Farm managment	Mil Nt\$	0.92	0.82	0.93	1.01	0.87	0.91
Production	Mil Nt\$	15.01	17.20	17.98	6.61	7.66	12.89
Marketing	Mil Nt\$	0.40	0.44	0.27	0.25	0.54	0.38
Infrastructure	Mil Nt\$	2.91	1.84	3.39	4.33	4.99	3.49
Research and extension	Mil Nt\$	0.63	0.39	0.50	0.61	0.98	0.62
Total policy transfers	Mil Nt\$	152.44	108.31	117.26	127.50	190.86	139.27
PSE (per unit value)	Percent	56.2	60.9	53.9	52.2	62.5	57.3
PSE (per unit quantity)	Nt\$/kg	12.66	12.61	12.28	10.44	12.82	12.16
	US\$/ton	323.62	314.71	310.09	262.04	338.74	309.84
<b>Sorghum:</b>							
Level of production	1000 tons	13.24	13.70	32.47	86.63	96.98	48.60
Producer price	Nt\$/kg	14.50	17.06	14.00	14.00	14.00	14.71
Value to producers	Mil Nt\$	191.98	233.72	454.58	1212.82	1357.72	690.16
Policy transfers to producers:							
State control	Mil Nt\$	122.47	158.69	269.86	798.75	998.45	469.64
Budgetary expenditures:	Mil Nt\$	13.58	27.87	47.70	61.69	63.59	42.89
Farm managment	Mil Nt\$	0.46	0.55	1.22	2.72	2.23	1.44
Production	Mil Nt\$	10.39	23.65	37.75	33.06	33.18	27.61
Marketing	Mil Nt\$	0.28	0.60	0.56	1.24	2.33	1.00
Infrastructure	Mil Nt\$	2.02	2.53	7.12	21.64	21.60	10.98
Research and extension	Mil Nt\$	0.43	0.54	1.05	3.03	4.25	1.86
Total policy transfers	Mil Nt\$	136.05	186.56	317.56	860.44	1062.04	512.53
PSE (per unit value)	Percent	70.9	79.8	69.9	70.9	78.2	74.3
PSE (per unit quantity)	Nt\$/kg	10.28	13.62	9.78	9.93	10.95	10.91
	US\$/ton	262.64	339.89	246.99	249.24	289.41	277.63
<b>Sugar:</b>							
Level of production	1000 tons	751.33	633.16	630.28	671.33	578.02	652.82
Producer price	Nt\$/kg	10.68	12.11	12.71	12.60	12.98	12.22
Value to producers	Mil Nt\$	8024.20	7667.57	8010.86	8458.76	7502.70	7932.82
Policy transfers to producers:							
State control	Mil Nt\$	299.93	1448.73	1793.74	4196.13	3123.83	2172.47
Budgetary expenditures:	Mil Nt\$	117.04	112.28	158.50	185.35	149.48	144.53
Farm managment	Mil Nt\$	11.75	12.29	12.57	11.87	6.30	10.96
Infrastructure	Mil Nt\$	86.65	82.41	127.19	152.20	119.65	113.62
Research and extension	Mil Nt\$	18.64	17.58	18.74	21.28	23.53	19.95
Total policy transfers	Mil Nt\$	416.97	1561.01	1952.24	4381.48	3273.31	2317.00
PSE (per unit value)	Percent	5.2	20.4	24.4	51.8	43.6	29.2
PSE (per unit quantity)	Nt\$/kg	0.55	2.47	3.10	6.53	5.66	3.66
	US\$/ton	14.19	61.54	78.22	163.78	149.66	93.48

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## Taiwan PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Pork:</b>							
Level of production	1000 tons	614.44	655.92	731.56	830.71	868.33	740.19
Producer price	Nt\$/kg	79.48	70.39	59.96	48.22	60.84	63.78
Value to producers	Mil Nt\$	48835.69	46170.21	43864.34	40056.84	52829.20	46351.25
Policy transfers to producers:							
Budgetary expenditures:	Mil Nt\$	705.37	723.78	906.11	942.88	1124.80	880.59
Production	Mil Nt\$	27.60	61.30	52.40	54.60	49.00	48.98
Marketing	Mil Nt\$	37.10	60.30	54.00	66.50	66.80	56.94
Infrastructure	Mil Nt\$	527.26	496.31	696.99	720.99	843.18	656.95
Research and extension	Mil Nt\$	113.41	105.87	102.72	100.79	165.82	117.72
Total policy transfers	Mil Nt\$	705.37	723.78	906.11	942.88	1124.80	880.59
PSE (per unit value)	Percent	1.4	1.6	2.1	2.4	2.1	1.9
PSE (per unit quantity)	Nt\$/kg	1.15	1.10	1.24	1.14	1.30	1.18
	US\$/ton	29.34	27.54	31.28	28.48	34.23	30.18
<b>Chicken:</b>							
Level of production	1000 tons	216	271	271	272	305	267
Producer price	Nt\$/kg	73	71	69	60	60	66
Value to producers	Mil nt\$	15703	19184	18580	16180	18164	17562
Policy transfers to producers:							
State control	Mil nt\$	3131.18	3694.19	2820.75	3370.98	6301.71	3863.76
Budgetary expenditures:	Mil nt\$	147.45	211.30	278.64	279.96	295.88	242.65
Production	Mil nt\$	0.00	0.70	0.00	0.00	9.20	1.98
Marketing	Mil nt\$	0.00	0.00	0.00	0.00	5.50	1.10
Infrastructure	Mil nt\$	121.35	173.57	242.85	245.62	234.97	203.67
Research and extension	Mil nt\$	26.10	37.03	35.79	34.34	46.21	35.89
Total policy transfers	Mil nt\$	3278.63	3905.49	3099.39	3650.94	6597.59	4106.41
PSE (per unit value)	Percent	20.9	20.4	16.7	22.6	36.3	23.4
PSE (per unit quantity)	Nt\$/kg	15.16	14.42	11.44	13.43	21.61	15.21
	US\$/ton	387.61	359.91	288.79	337.09	571.13	388.91
<b>Milk:</b>							
Level of production	1000 tons	55.86	58.02	66.93	87.88	109.72	75.68
Producer price	Nt\$/kg	17.50	17.76	18.26	18.26	16.70	17.70
Value to producers	Mil Nt\$	977.55	1030.44	1222.14	1604.69	1832.32	1333.43
Policy transfers to producers							
State control	Mil Nt\$	328.43	391.58	543.65	607.89	664.32	507.17
Budgetary expenditures:	Mil Nt\$	46.38	51.51	64.88	75.78	84.10	64.53
Production	Mil Nt\$	33.6	38.1	42.7	42.9	49.1	41.28
Infrastructure	Mil Nt\$	10.52	11.05	19.33	28.85	29.25	19.80
Research and extension	Mil Nt\$	2.26	2.36	2.85	4.03	5.75	3.45
Total policy transfers	Mil Nt\$	374.81	443.09	608.53	683.67	748.42	571.70
PSE (per unit value)	Percent	38.3	43.0	49.8	42.6	40.8	42.9
PSE (per unit quantity)	Nt\$/kg	6.71	7.64	9.09	7.78	6.82	7.61
	US\$/ton	171.50	190.61	229.61	195.22	180.26	193.44

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## Taiwan PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Beef:</b>							
Level of production	1000 tons	5.74	6.62	6.48	4.35	3.88	5.41
Producer price	Nt\$/kg	202.57	217.48	210.45	222.22	223.84	215.31
Value to producers	Mil Nt\$	1162.75	1439.72	1363.72	966.66	868.50	1160.27
Policy transfers to producers:							
State control	Mil Nt\$	180.79	206.23	240.55	153.99	130.46	182.40
Budgetary expenditures:	Mil Nt\$	15.24	27.61	39.71	33.23	41.41	31.44
Production	Mil Nt\$	0.00	8.90	14.80	13.50	24.70	12.38
Infrastructure	Mil Nt\$	12.54	15.42	21.71	17.31	13.96	16.19
Research and extension	Mil Nt\$	2.70	3.29	3.20	2.42	2.75	5.30
Total policy transfers	Mil Nt\$	196.03	233.84	280.26	187.22	171.87	213.84
PSE (per unit value)	Percent	16.9	16.2	20.6	19.4	19.8	18.4
PSE (per unit quantity)	Nt\$/kg	34.15	35.32	43.25	43.04	44.30	40.01
	US\$/ton	872.91	881.65	1092.25	1080.03	1170.62	1019.49
<b>Tobacco:</b>							
Level of production	1000 tons	25.57	22.72	26.49	25.36	24.32	24.89
Producer price	Nt\$/kg	99.00	113.46	115.67	117.00	120.73	113.17
Value to producers	Mil Nt\$	2531.43	2577.81	3064.10	2967.12	2936.15	2815.32
Policy transfers to producers:							
State control	Mil Nt\$	672.06	1376.18	600.40	1979.38	1176.08	1160.82
Budgetary expenditures:	Mil Nt\$	34.22	34.73	57.42	62.14	56.95	49.09
Farm management	Mil Nt\$	1.03	1.22	1.38	1.30	0.87	1.16
Infrastructure	Mil Nt\$	27.31	27.62	48.84	53.38	46.86	40.80
Research and extension	Mil Nt\$	5.88	5.89	7.20	7.46	9.22	7.13
Total policy transfers	Mil Nt\$	706.28	1410.91	657.82	2041.52	1233.03	1209.91
PSE (per unit value)	Percent	27.9	54.7	21.5	68.8	42.0	43.0
PSE (per unit quantity)	Nt\$/kg	27.62	62.10	24.83	80.50	50.70	49.15
	US\$/ton	706.00	1549.98	627.14	2020.11	1339.86	1248.62

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## Taiwan PSE's (continued)

Item:	Unit	1982	1983	1984	1985	1986	1982-86 ave
Summary:							
Policy transfers by policy:							
State control	Mil Nt\$	17534	20102	21078	22975	25425	21423
Budgetary expenditures:	Mil Nt\$	1997	2142	2797	2814	2801	2513
Farm management	Mil Nt\$	93	107	112	105	68	97
Production	Mil Nt\$	227	330	421	319	322	324
Marketing	Mil Nt\$	44	69	62	71	81	65
Infrastructure	Mil Nt\$	1344	1348	1920	2036	1947	1719
Research and extension	Mil Nt\$	289	288	283	285	383	308
Policy transfers by commodity:							
Rice	Mil Nt\$	12673	12618	14535	11096	11492	12483
Wheat	Mil Nt\$	21	19	29	27	51	30
Corn	Mil Nt\$	870	1034	1372	1790	2281	1469
Soybeans	Mil Nt\$	152	108	117	128	191	139
Sorghum	Mil Nt\$	136	187	318	860	1062	513
Sugar	Mil Nt\$	417	1561	1952	4381	3273	2317
Pork	Mil Nt\$	705	724	906	943	1125	881
Chicken	Mil Nt\$	3279	3905	3099	3651	6598	4106
Milk	Mil Nt\$	375	443	609	684	748	572
Beef	Mil Nt\$	196	234	280	187	172	214
Tobacco	Mil Nt\$	706	1411	658	2042	1233	1210
PSE by commodity:							
Rice	Percent	25.1	25.9	32.1	26.9	31.5	28.1
Wheat	Percent	55.3	62.6	64.0	66.1	70.6	64.8
Corn	Percent	69.7	74.6	67.1	67.9	73.4	70.1
Soybeans	Percent	56.2	60.9	53.9	52.2	62.5	57.3
Sorghum	Percent	70.9	79.8	69.9	70.9	78.2	74.3
Sugar	Percent	5.2	20.4	24.4	51.8	43.6	29.2
Pork	Percent	1.4	1.6	2.1	2.4	2.1	1.9
Chicken	Percent	20.9	20.4	16.7	22.6	36.3	23.4
Milk	Percent	38.3	43.0	49.8	42.6	40.8	42.9
Beef	Percent	16.9	16.2	20.6	19.4	19.8	18.4
Tobacco	Percent	27.9	54.7	21.5	68.8	42.0	43.0
Total policy transfers:	Mil nt\$	19531	22244	23876	25789	28225	23933
Value to producers	Mil nt\$	129400	128607	124111	115665	125452	124657
11-crop PSE	Percent	15.1	17.3	19.2	22.3	22.5	19.2

Note: Nt\$ = new Taiwan dollar.

## Taiwan CSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Rice:</b>							
Level of consumption	1000 tons	2054	1967	1891	1895	1911	1944
Consumer price	Nt\$/kg	24	22	24	22	21	23
Cost to consumers	Mil Nt\$	49778	43431	45351	41728	40921	44242
Policy transfers to consumers:							
State control	Mil Nt\$	-13944	-10859	-14999	-11159	-12665	-12725
Total policy transfers	Mil Nt\$	-13944	-10859	-14999	-11159	-12665	-12725
CSE (per unit value)	Percent	-28.0	-25.0	-33.1	-26.7	-30.9	-28.8
CSE (per unit quantity)	Nt\$/kg	-6.79	-5.52	-7.93	-5.89	-6.63	-6.55
	US\$/ton	-173.48	-137.79	-200.28	-147.77	-175.11	-166.88
<b>Wheat:</b>							
Level of consumption	1000 tons	685	714	689	736	806	726
Consumer price	Nt\$/kg	8861	8853	9265	8999	7527	8701
Cost to consumers	Mil Nt\$	6073	6324	6386	6622	6066	6294
Policy transfers to consumers:							
Tariff	Mil Nt\$	-806	-925	-1277	-1445	-1068	-1104
Total policy transfers	Mil Nt\$	-806	-925	-1277	-1445	-1068	-577
CSE (per unit value)	Percent	-13.3	-14.6	-20.0	-21.8	-17.6	-9.2
CSE (per unit quantity)	Nt\$/kg	-1.18	-1.29	-1.85	-1.96	-1.33	-0.82
	US\$/ton	-30.06	-32.32	-46.79	-49.27	-35.02	-20.79
<b>Soybeans:</b>							
Level of consumption	1000 tons	1199	1344	1369	1454	1789	1431
Consumer price	Nt\$/kg	14380	14220	15170	12790	11290	13570
Cost to consumers	Mil Nt\$	17234	19109	20766	18597	20197	19181
Policy transfers to consumers:							
State control	Mil Nt\$	-3450	-4995	-3076	-3173	-4648	-3868
Total policy transfers	Mil Nt\$	-3450	-4995	-3076	-3173	-4648	-3868
CSE (per unit value)	Percent	-20.0	-26.1	-14.8	-17.1	-23.0	-20.2
CSE (per unit quantity)	Nt\$/kg	-2.88	-3.72	-2.25	-2.18	-2.60	-2.72
	US\$/ton	-73.58	-92.78	-56.75	-54.76	-68.66	-69.30
<b>Sugar:</b>							
Level of consumption	1000 tons	410	452	436	445	481	445
Consumer price	Nt\$/kg	25	25	25	25	25	25
Cost to consumers	Mil Nt\$	10363	11473	11031	11248	12174	11258
Policy transfers to consumers:							
state control	Mil Nt\$	-6150	-7003	-6730	-8424	-8530	-7367
Total policy transfers	Mil Nt\$	-6150	-7003	-6730	-8424	-8530	-7367
CSE (per unit value)	Percent	-59.3	-61.0	-61.0	-74.9	-70.1	-65.4
CSE (per unit quantity)	Nt\$/kg	-15.01	-15.48	-15.44	-18.95	-17.73	-16.52
	US\$/ton	-383.77	-386.36	-389.82	-475.46	-468.43	-420.77

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## Taiwan CSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Chicken:</b>							
Level of consumption	1000 tons	216	270	270	271	304	266
Consumer price	Nt\$/kg	55	55	53	47	57	54
Cost to consumers	Mil Nt\$	11967	14930	14428	12658	17382	14273
Policy transfers to consumers:							
State control	Mil Nt\$	-3748	-5628	-4538	-4685	-9169	-5554
Total policy transfers	Mil Nt\$	-3748	-5628	-4538	-4685	-9169	-5554
CSE (per unit value)	Percent	-31.3	-37.7	-31.5	-37.0	-52.7	-38.9
CSE (per unit quantity)	Nt\$/kg	-17.35	-20.81	-16.80	-17.28	-30.17	-20.48
	US\$/ton	-443.49	-519.36	-424.16	-433.72	-797.33	-523.61
<b>Beef:</b>							
Level of consumption	1000 tons	26	30	31	32	37	31
Consumer price	Nt\$/kg	242	242	244	250	250	246
Cost to consumers	Mil Nt\$	6163	7178	7480	7950	9165	7587
Policy transfers to consumers:							
State control	Mil Nt\$	-623	-719	-894	-968	-1097	-860
Total policy transfers	Mil Nt\$	-623	-719	-894	-968	-1097	-860
CSE (per unit value)	Percent	-10.1	-10.0	-12.0	-12.2	-12.0	-11.3
CSE (per unit quantity)	Nt\$/kg	-24.43	-24.21	-29.22	-30.44	-29.97	-27.65
	US\$/ton	-624.46	-604.24	-737.83	-763.85	-792.05	-704.48
<b>Corn:</b>							
Level of consumption	1000 tons	2679	3358	3293	3399	3415	3229
Consumer price	Nt\$/kg	6.91	6.95	7.94	6.62	5.51	6.79
Cost to consumers	Mil Nt\$	18511	23337	26146	22503	18814	21862
Policy transfers to consumers:							
State control	Mil Nt\$	-3155	-4218	-5109	-3501	-3833	-3963
Total policy transfers	Mil Nt\$	-3155	-4218	-5109	-3501	-3833	-3963
CSE (per unit value)	Percent	-17.04	-18.07	-19.54	-15.56	-20.37	-18.13
CSE (per unit quantity)	Nt\$/kg	-1.18	-1.26	-1.55	-1.03	-1.12	-1.23
	US\$/ton	-30.10	-31.35	-39.18	-25.84	-29.66	-31.23
<b>Sorghum:</b>							
Level of consumption	1000 tons	825	551	633	614	896	704
Consumer price	Nt\$/kg	5934	6448	6871	5460	4710	5885
Cost to consumers	Mil Nt\$	4894	3553	4346	3352	4218	4073
Policy transfers to consumers:							
State control	Mil Nt\$	-564	-536	-748	-418	-900	-633
Total policy transfers	Mil Nt\$	-564	-536	-748	-418	-900	-633
CSE (per unit value)	Percent	-11.52	-15.08	-17.21	-12.47	-21.34	-15.55
CSE (per unit quantity)	Nt\$/kg	-0.68	-0.97	-1.18	-0.68	-1.01	-0.90
	US\$/ton	-17.48	-24.28	-29.87	-17.09	-26.56	-23.05

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## Taiwan CSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Milk:</b>							
Level of consumption	1000 tons	60	65	76	76	89	73
Consumer price	Nt\$/kg	210185	213333	213333	213333	216852	213407
Cost to consumers	Mil Nt\$	12651	13869	16109	16200	19210	15608
Policy transfers to consumers:							
Tariff	Mil Nt\$	-1407	-1415	-1490	-1494	-1467	-1455
Levy for dairy fund	Mil Nt\$	-85	-95	-115	-98	-109	-100
School lunch program	Mil Nt\$	35	26	33	30	30	31
Total policy transfers	Mil Nt\$	-1457.10	-1484.42	-1572.05	-1562.00	-1546.00	-1524.31
CSE (per unit value)	Percent	-11.5	-10.7	-9.8	-9.6	-8.0	-9.8
CSE (per unit quantity)	Nt\$/kg	-24.21	-22.83	-20.82	-20.57	-17.45	-21.18
	US\$/ton	-618.78	-569.89	-525.75	-516.17	-461.19	-538.36
<b>Summary:</b>							
Policy transfers by policy:							
State control	Mil Nt\$	-31634	-33958	-36094	-32328	-40842	-34971
Tariff	Mil Nt\$	-2213	-2340	-2767	-2939	-2535	-2559
Levy for dairy fund	Mil Nt\$	-85	-95	-115	-98	-109	-100
School lunch program	Mil Nt\$	35	26	33	30	30	31
Policy transfers by commodity:							
Rice	Mil Nt\$	-13944	-10859	-14999	-11159	-12665	-12725
Wheat	Mil Nt\$	-806	-925	-1277	-1445	-1068	-577
Soybeans	Mil Nt\$	-3450	-4995	-3076	-3173	-4648	-3868
Sugar	Mil Nt\$	-6150	-7003	-6730	-8424	-8530	-7367
Chicken	Mil Nt\$	-3748	-5628	-4538	-4685	-9169	-5554
Beef	Mil Nt\$	-623	-719	-894	-968	-1097	-860
Corn	Mil Nt\$	-3155	-4218	-5109	-3501	-3833	-3963
Sorghum	Mil Nt\$	-564	-536	-748	-418	-900	-633
Milk	Mil Nt\$	-1457	-1484	-1572	-1562	-1546	-1524
CSE by commodity:							
Rice	Percent	-28.0	-25.0	-33.1	-26.7	-30.9	-28.8
Wheat	Percent	-13.3	-14.6	-20.0	-21.8	-17.6	-9.2
Soybeans	Percent	-20.0	-26.1	-14.8	-17.1	-23.0	-20.2
Sugar	Percent	-59.3	-61.0	-61.0	-74.9	-70.1	-65.4
Chicken	Percent	-31.3	-37.7	-31.5	-37.0	-52.7	-38.9
Beef	Percent	-10.1	-10.0	-12.0	-12.2	-12.0	-11.3
Corn	Percent	-17.0	-18.1	-19.5	-15.6	-20.4	-18.1
Sorghum	Percent	-11.5	-15.1	-17.2	-12.5	-21.3	-15.5
Milk	Percent	-11.5	-10.7	-9.8	-9.6	-8.0	-9.8
Total value transfers	Mil Nt\$	-33897	-36367	-38943	-35335	-43456	-37600
Cost to consumers	Mil Nt\$	137634	143204	152044	140858	148148	144378
9-commodity CSE	Percent	-24.6	-25.4	-25.6	-25.1	-29.3	-26.0

Note: Nt\$ = new Taiwan \$.

THAILAND  
Measured Policies  
(For underscored numbers in parentheses, see References below)

Policy Instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Export tax	rice PSE	Rice exports were taxed, lowering returns to farmers.	Estimated by adding the three export taxes (specific tax, an ad valorem tax, and a storage requirement) ( <u>1</u> , <u>10</u> ), and assuming that 80 percent of the tax is passed back to the producer ( <u>10</u> ).
Rediscount facility	rice PSE	Subsidized short-term commercial loans offered to rice exporters.	Estimated by multiplying the value of rice exports ( <u>1</u> ) by 0.0066 (1982-84) or 0.0070 (1985-86), which is the estimated value of the discount to exporters ( <u>3</u> ). It is assumed that the full value of the subsidy is passed back to the producer.
Fertilizer subsidy	rice PSE	The Government procures and distributes subsidized fertilizer to some rice farmers.	Assumes 20 percent of fertilizer is subsidized ( <u>5,6,10</u> ) and that 60 percent (1982-84), 55 percent (1985), or 51 percent (1986) of all fertilizer is used on rice ( <u>2,6,7,8</u> ). Calculated by subtracting the value of the subsidized fertilizer ( <u>4,6,7,8</u> ) used on rice from the commercial value ( <u>6,10,7,8</u> ).
Irrigation subsidy	rice PSE	Irrigation water is provided at no charge to producers.	Assumes 30 percent of the area planted to rice is irrigated ( <u>10</u> ). Estimated by multiplying irrigated area by an operations and maintenance charge ( <u>10</u> ).

THAILAND  
Unmeasured Policies

Policy instrument	Reason for no measurement
Extension and research subsidy	Data are insufficient to allocate to individual crops.
1985 reserve requirement	No available data on amount/value.
Price stabilization program	Introduced ineffectively in 1986, will have an impact in 1987.

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## Thailand PSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Rice (paddy):							
Level of production	Mil tons	18	17	20	20	20	19
Producer price	\$/ton	123	127	118	91	86	109
Value to producers	Mil \$	2197	2154	2303	1819	1701	2035
Policy transfers to producers							
Export tax	Mil \$	-83.56	-65.91	-53.17	-40.50	0.00	-48.63
Rediscount facilities	Mil \$	6.49	5.81	7.31	5.80	5.41	6.16
Fertilizer	Mil \$	7.55	5.30	4.05	1.40	0.43	3.75
Irrigation	Mil \$	63.36	63.49	66.13	65.80	66.99	65.15
Total policy transfers	Mil \$	-6.16	8.69	24.32	32.50	72.83	26.44
PSE (per unit value)	Percent	-0.28	0.40	1.06	1.79	4.28	1.30
PSE (per unit quantity)	US\$/ton	-0.35	0.51	1.25	1.63	3.70	1.35

UNITED STATES  
Measured Policies  
(For underscored numbers in parentheses, see References below)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
<u>Direct payments/levies:</u>			
Deficiency	wheat PSE corn PSE rice PSE barley PSE oats PSE	Producers participating in acreage reduction programs received the difference between target prices (set in legislation) and the higher of market prices or loan rates on eligible production.	Value of deficiency payments by crop. Includes payments in cash and the face (cash) value of generic certificates issued in lieu of cash. Payments were defined as those due under provisions of a given crop year program (15).
Disaster	corn PSE barley PSE oats PSE sorghum PSE wheat PSE	Disaster payments compensate participating producers for prevented plantings or low yields due to natural conditions.	Same as deficiency payments.
Diversions	corn PSE barley PSE oats PSE rice PSE sorghum PSE wheat PSE	Participating producers may receive payments for production forgone on part of the acreage reduced.	Same as deficiency payments.
Payment-in-Kind (PIK) entitlements	corn PSE rice PSE sorghum PSE wheat PSE	The 1983 PIK program for sorghum, corn, rice and wheat, and the 1984 PIK program for wheat were paid land diversion programs using commodities in lieu of cash.	Value of entitlements estimated at market prices.
Storage	wheat PSE corn PSE sorghum PSE barley PSE oats PSE	Participating producers may place their grain in a long-term loan program, the Farmer-Owned Reserve (FOR). Producers received annual storage payments to help defer costs of storing grain.	Calculated by multiplying one-twelfth of the annual storage payment rate times the amount of grain in the FOR each month (8). Monthly payments were summed to crop year total.

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United States: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Dairy assessments	dairy PSE	Starting in 1983, producers were assessed \$.50 to \$1.00/cwt on all milk marketed commercially to offset costs of the dairy program.	Value of assessments estimated on a calendar year basis using monthly assessment rate times marketings (11).
Dairy diversion payments	dairy PSE	From January 1984 to March 1985, producers willing to participate were paid \$10/cwt for forgoing marketings on 5 to 30 percent of their base milk marketings.	Value of payments reported on fiscal year basis (7).
Marketing loans	rice PSE	A marketing loan allows repayment of commodity loans at levels below the loan rate.	Estimated using loan inventory data (9). Also includes inventory payments made to producers who did not use commodity loans.
Loan forfeit benefits	wheat PSE corn PSE rice PSE sorghum PSE barley PSE oats PSE soybeans PSE	When a Commodity Credit Corporation (CCC) non-recourse commodity loan matures, producers may choose to forfeit the commodity rather than repay the loan (with interest) and receive the prevailing market price. If the loan rate is above prevailing market prices, producers receive income benefits.	Income benefits were estimated as the difference between the unit collateral acquisition value and the market price times the quantity of loans forfeited over the crop year (8,9).
<u>Market price support:</u>			
Fluid milk premium	dairy PSE fluid milk CSE	Prices of beverage milk tend to be higher than for milk used to produce manufactured dairy products. Some of this price gap may be due to Federal milk marketing orders, which regulate the flow of milk.	The differential between the average producer milk price and the manufacturing milk price was weighted by 0.2 and then applied to milk marketings (11).

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United States: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Price-enhancing policies	wheat PSE barley PSE poultry PSE	Acreage reduction programs, CCC inventory actions, import tariffs, and export programs provide support to the extent that they enhance domestic prices above prices received in world markets. Although many commodities receive such support, support can be measured only if price gaps are observed.	Support is measured by the difference between domestic farm prices and world prices for each commodity times total production. The value of bonuses under the Export Enhancement Program divided by total export volume is used to estimate the price gap for each commodity.
Tariffs	beef PSE beef CSE	Tariffs raise the price of imports thereby providing price protection to domestic producers.	Support was calculated as the per unit tariff times production of the product.
Beef purchases	beef PSE	To minimize the effect of the dairy herd buy-out program on red meat prices, the CCC is mandated to purchase 400 million pounds of red meat as part of the dairy program.	Value of purchases reported on a fiscal year basis (7).
Price supports/quotas	sugar PSE sugar CSE dairy PSE cheese CSE butter CSE nonfat dried milk CSE fluid milk CSE	Domestic price support programs coupled with quotas/tariffs support domestic prices above world prices.	Estimated as the difference between domestic and world prices times quantity produced (PSE) or consumed (CSE) (11,12). Sugar producers were assumed to receive 60 percent of the price gap, while sugar consumers paid 100 percent. Price gaps for butter, cheese, and nonfat dried milk were converted to whole milk equivalents to derive the PSE for dairy.

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United States: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
<u>Input subsidies:</u>			
Commodity loans	wheat PSE corn PSE barley PSE sorghum PSE oats PSE rice PSE soybeans PSE	Participating producers may take out nonrecourse loans by pledging crops as collateral. Producers with loans have the option of repaying loans with interest or forfeiting their crops to the CCC. Loans forfeited or redeemed with generic certificates or under the PIK program were interest free. The interest rate charged by the CCC was generally below commercial interest rates.	Interest rate subsidies include subsidies on outstanding loans and additional subsidies if loans were forfeited or repaid with no interest. The subsidy on outstanding loans was computed as the difference between a market interest rate (5) and the CCC lending rate times the value of the loan, weighted by the time the crop is under loan (8). Benefits of forgiven interest, assumed to occur at the time the loan is terminated, were calculated as the CCC interest rate times the value of the loan over the time the loan was held.
Farm storage facility	soybeans PSE corn PSE wheat PSE rice PSE sorghum PSE dairy PSE barley PSE oats PSE beef PSE	The Farm Storage Facility Loan Program provides funds for construction of onfarm storage facilities at the same below-market rate of interest charged on CCC commodity loans.	The difference between market and program interest rates was multiplied by loans made (10, 5) to estimate the total subsidy which was allocated to grain, soybean and hay users (beef and dairy) in proportion to onfarm storage of those crops.

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United States: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Farmers Home Administration	all PSE's	The Farmers Home Administration (FmHA) offered loans to producers at lower than market rates of interest. PSE's include support from operating, disaster relief, economic emergency, ownership, soil and water, irrigation, and grazing loans.	Sector-wide estimates were calculated by multiplying the value of loans made times the difference between FmHA and market interest rates for the various loans (13, 5). This was added to the amount requested by the FmHA to cover losses by the Agricultural Credit Insurance Fund (1). Total was allocated to specific products in proportion to their share in the total value of agricultural production.
Grazing fees	beef PSE	The Forest Service and the Bureau of Land Management charge below-market fees for livestock grazing on public range land in 16 Western States.	Support was calculated as the difference between market prices and Federal charges times the head of livestock using public land (14).
Crop insurance	wheat PSE corn PSE rice PSE sorghum PSE barley PSE oats PSE soybeans PSE sugar PSE	The Federal Crop Insurance Corporation (FCIC) provides insurance against production losses due to weather and other unavoidable natural events. Farmers pay an insurance premium, but it has been subsidized by the government since 1980.	Support for each crop was calculated as the difference between indemnities paid (3) out and producer premiums.
Emergency feed	beef PSE pork PSE dairy PSE poultry PSE	Producers may be reimbursed by the CCC for up to 50 percent of the cost of feed purchased during periods of emergency when livestock feed losses due to natural disasters occur.	CCC program outlays and the face value of program certificates were allocated according to the share of total value of production of livestock and poultry (7).

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United States: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Fuel excise tax	all PSE's	All off-highway uses of diesel fuel and gasoline, including agriculture, are exempt from Federal excise taxes. However, until April 1983, agriculture received a complete Federal exemption, while other off-highway users received a partial exemption. The differential exemption is considered as support to agricultural commodities.	Estimates of agricultural fuel use by fuel type were multiplied by the per unit differential tax rate for agriculture to derive the total value of the exemption. This was allocated to commodities based on their share in total value of agricultural production.
<u>Other programs:</u>			
Transport	all PSE's	Federal support to inland waterways and railroads is provided through funds for operation, maintenance, and construction of transportation systems.	Corps of Engineers bud-outlays (16) associated with operation and construction of inland waterways were allocated to agricultural products using ton-miles traveled (17). Federal outlays and low-interest loans assisting rail freight traffic were allocated to agricultural commodities using ton-miles traveled (4).
Processing and marketing; research; advisory; pest and disease control	all PSE's	Activities of the Agricultural Marketing Service, Foreign Agricultural Service, Agricultural Research Service, the Extension Service, the Economic Research Service, the National Agricultural Statistics Service, and Animal and Plant Health Inspection Service are major programs included in these estimates.	Net budget outlays for programs (1) were allocated among commodities in proportion to their share in total value of production.

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United States: Measured Policies (continued)

Policy instrument	Affected subsidy equivalent	Policy explanation	Estimation procedure
Inspection	corn PSE wheat PSE rice PSE sorghum PSE barley PSE oats PSE soybeans PSE beef PSE pork PSE poultry PSE	Inspection services provided by the Federal Grain Inspection Service, the Food Safety Inspection Service, and the Packers and Stockyards Administration are included in these estimates.	Budget outlays (1) were allocated to commodities covered by the programs according to shares in the value of production.
Land improvements	corn PSE wheat PSE rice PSE sorghum PSE barley PSE oats PSE soybeans PSE sugar PSE	Conservation programs of the Soil Conservation Service and the Agricultural Stabilization and Conservation Service are included in these estimates.	Budget outlays (1) for these programs were allocated among all crops according to proportional shares in the value of crop production.
State programs	all PSE's	State governments provide support to agriculture through expenditure of funds for research, extension, information services, and marketing and inspection services.	State budget outlays for agricultural programs, net of Federal transfers to these programs, (18) were allocated to commodities based on specific commodities' share of the total value of agricultural production.
Taxation	all PSE's	Subsidy provided by special provisions of Federal income tax laws allowing cash accounting, current deduction of cost incurred in developing assets, gains from certain assets to be taxed as capital gains if held for more than 2 years, deduction of dividends from cooperatives, and deferred income from international sales corporations.	Total benefits to agriculture were estimated as the sum of the revenue losses for agriculture related to tax laws plus 10 percent of total savings from international sales corporations (2). The value was allocated to specific commodities based on their share of the total value of production.



UNITED STATES  
Unmeasured Policies

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Policy instrument	Reasons for no measurement
Irrigation programs	Current data are not available.
Farm Credit System	Conceptual approach and data sets require further work.
Voluntary restraint agreements	The price gap approach yields spurious results.

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## United States PSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Wheat:</b>							
Level of production	Mil tons	75	66	71	66	57	67
Producer price	\$/ton	130	131	124	116	86	117
Value to producers	Mil \$	10542	11943	10863	10149	9233	10458
<b>Policy transfers to producers:</b>							
Direct payments/levies:	Mil \$	729.49	3341.91	2108.11	2501.01	4371.81	2610.47
Disaster*	Mil \$	12.28	0.55	0.00	0.00	0.00	2.57
Deficiency*	Mil \$	476.47	769.65	1044.20	1540.41	3550.00	1476.15
Diversion*	Mil \$	0.00	309.24	505.50	648.10	215.37	335.64
Storage*	Mil \$	242.46	191.98	175.78	171.66	170.33	190.44
PIK entitlements*	Mil \$	0.00	2022.91	329.29	0.00	0.00	470.44
Loan forfeit benefits*	Mil \$	-1.72	47.58	53.34	140.84	436.11	135.23
Market price support:	Mil \$	0.00	0.00	0.00	220.57	554.28	154.97
Price enhancing policies	Mil \$	0.00	0.00	0.00	220.57	554.28	154.97
Input subsidies:	Mil \$	459.83	787.97	560.76	739.42	562.28	622.05
Commodity loans	Mil \$	346.18	687.53	414.85	429.65	377.66	451.17
Farm storage facility	Mil \$	0.74	0.81	0.01	0.01	0.01	0.32
Farmers home administration	Mil \$	66.98	72.36	98.45	138.50	139.38	103.13
Crop insurance	Mil \$	39.13	22.97	47.45	171.26	45.23	65.21
Fuel excise tax	Mil \$	6.80	4.30	0.00	0.00	0.00	2.22
Marketing:	Mil \$	172.67	42.63	43.90	30.88	39.22	65.86
Processing and marketing	Mil \$	6.95	5.06	6.77	5.33	5.18	5.86
Transport	Mil \$	162.42	35.32	36.24	24.29	32.19	58.09
Inspection	Mil \$	3.30	2.25	0.89	1.26	1.85	1.91
Long-Term:	Mil \$	176.31	170.74	171.68	159.95	115.21	158.78
Research	Mil \$	50.08	49.35	49.26	45.66	33.06	45.48
Advisory	Mil \$	20.08	20.12	19.56	18.59	12.81	18.23
Pest and disease control	Mil \$	20.46	14.20	17.36	15.83	10.43	15.66
Land improvements	Mil \$	85.69	87.07	85.50	79.87	58.91	79.41
Other:	Mil \$	236.99	211.61	206.83	191.56	171.59	203.72
Taxation	Mil \$	109.36	83.67	79.76	68.45	72.98	82.84
State programs	Mil \$	127.63	127.94	127.07	123.11	98.61	120.87
Total policy transfers	Mil \$	1775.29	4554.86	3091.28	3843.39	5814.39	3815.84
PSE (per unit value)	Percent	16.84	38.14	28.46	37.87	62.97	36.49
PSE (per unit quantity)	\$/ton	23.59	69.16	43.77	58.23	102.37	57.03

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## United States PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Corn:							
Level of production	Mil tons	209	106	195	225	210	189.05
Producer price	\$/ton	105	133	103	93	59	98.68
Value to producers	Mil \$	22853	21229	21841	23759	20386	22013.75
Policy transfers to producers:							
Direct payments/levies:	Mil \$	813.86	7164.40	1756.37	2730.26	7999.00	4092.78
Disaster*	Mil \$	0.48	0.01	0.00	0.00	0.00	0.10
Deficiency*	Mil \$	290.85	0.00	1652.57	2470.79	6225.00	2127.84
Diversion*	Mil \$	0.00	904.50	0.00	0.00	132.00	207.30
Storage*	Mil \$	607.72	232.24	107.15	174.99	358.59	296.14
PIK entitlements*	Mil \$	0.00	6032.75	0.00	0.00	0.00	1206.55
Loan forfeit benefits*	Mil \$	-85.19	-5.10	-3.35	84.48	1283.41	254.85
Input subsidies:	Mil \$	923.94	724.38	650.39	880.47	1231.81	882.20
Commodity loans	Mil \$	749.37	545.52	390.21	510.72	880.39	615.24
Farm storage facility	Mil \$	2.34	2.67	0.01	0.00	0	1.00
Farmers home administration	Mil \$	150.42	118.32	225.84	380.83	352.16	245.51
Crop insurance	Mil \$	6.51	55.17	34.33	-11.08	-0.74	16.84
Fuel excise tax	Mil \$	15.30	2.70	0.00	0.00	0.00	3.60
Marketing:	Mil \$	285.83	142.35	119.94	114.02	116.28	155.68
Processing and marketing	Mil \$	15.61	8.28	15.53	14.66	13.21	13.46
Transport	Mil \$	262.82	130.39	102.36	95.9	98.35	137.96
Inspection	Mil \$	7.40	3.68	2.05	3.46	4.72	4.26
Long-Term:	Mil \$	395.98	279.45	393.84	439.80	294.31	360.68
Research	Mil \$	112.49	80.96	113.00	125.54	84.95	103.39
Advisory	Mil \$	45.09	32.90	44.87	51.13	32.65	41.33
Pest and disease control	Mil \$	45.94	23.22	39.83	43.52	26.58	35.82
Land improvements	Mil \$	192.46	142.37	196.14	219.61	150.13	180.14
Other:	Mil \$	532.26	346.00	474.48	526.72	451.87	466.27
Taxation	Mil \$	245.61	136.81	182.97	188.21	200.60	190.84
State programs	Mil \$	286.65	209.19	291.51	338.51	251.27	275.43
Total policy transfers	Mil \$	2951.87	8656.59	3395.02	4691.27	10093.27	5957.60
PSE (per unit value)	Percent	12.92	40.78	15.54	19.74	49.51	27.06
PSE (per unit quantity)	\$/ton	14.11	81.63	17.42	20.81	48.15	31.51

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## United States PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Rice:							
Level of production	Mil tons	6.97	4.52	6.30	4.33	4.33	5.29
Producer price	\$/ton	179	194	178	206	122	176
Value to producers	Mil \$	1513	1453	1520	1666	1485	1527
Policy transfers to producers:							
Direct payments/levies:	Mil \$	266.41	573.11	400.71	772.96	956.63	593.97
Deficiency*	Mil \$	267.22	233.15	380.20	376.55	545.00	360.42
Diversion*	Mil \$	0.00	0.00	0.00	93.01	0.00	18.60
PIK entitlements*	Mil \$	0.00	363.92	0.00	0.00	0.00	72.78
Marketing loans*	Mil \$	0.00	0.00	0.00	271.61	374.51	129.22
Loan forfeit benefits*	Mil \$	-0.80	-23.96	20.51	31.79	37.12	12.93
Input subsidies:	Mil \$	38.46	60.71	33.79	54.20	75.24	52.48
Commodity loans	Mil \$	22.10	47.19	20.50	36.81	58.32	36.98
Farm storage facility	Mil \$	0.00	0.00	0.00	0.00	0.00	0.00
Farmers home administration	Mil \$	8.51	7.40	12.58	16.18	15.14	11.96
Crop insurance	Mil \$	6.95	5.72	0.72	1.21	1.78	3.28
Fuel excise tax	Mil \$	0.90	0.40	0.00	0.00	0.00	0.26
Other programs:	Mil \$	2.21	1.61	1.66	1.41	1.39	1.66
Processing and marketing	Mil \$	0.88	0.52	0.87	0.62	0.56	0.69
Transport	Mil \$	0.91	0.86	0.68	0.64	0.63	0.74
Inspection	Mil \$	0.42	0.23	0.11	0.15	0.20	0.22
Long-Term:	Mil \$	22.40	17.46	21.95	18.68	12.51	18.60
Research	Mil \$	6.36	5.05	6.30	5.33	3.59	5.33
Advisory	Mil \$	2.55	2.06	2.50	2.17	1.39	2.13
Pest and disease control	Mil \$	2.60	1.45	2.22	1.85	1.13	1.85
Land improvements	Mil \$	10.89	8.90	10.93	9.33	6.40	9.29
Other:	Mil \$	30.11	21.64	26.45	22.38	19.24	23.96
Taxation	Mil \$	13.89	8.56	10.20	8.00	8.52	9.83
State programs	Mil \$	16.21	13.08	16.25	14.38	10.72	14.13
Total policy transfers	Mil \$	359.59	674.53	484.56	869.63	1065.01	690.66
PSE (per unit value)	Percent	23.77	46.43	31.88	52.19	71.72	45.20
PSE (per unit quantity)	\$/ton	51.60	149.13	76.96	200.84	245.96	144.90

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## United States PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Sorghum:							
Level of production	Mil tons	21	12	22	28	24	22
Producer price	\$/ton	99	115	93	89	55	90
Value to producers	Mil \$	2260	2567	2266	2913	2159	2496
Policy transfers to producers:							
Direct payments/levies:	Mil \$	169.31	1147.15	211.20	374.68	842.67	549.00
Disaster*	Mil \$	3.10	0.01	0.00	0.00	0.00	0.62
Deficiency*	Mil \$	64.12	0.00	157.93	226.25	566.00	202.86
Diversion*	Mil \$	0.00	113.56	0.00	0.00	13.00	25.31
Storage*	Mil \$	103.38	55.86	38.81	23.62	24.99	49.33
PIK entitlements*	Mil \$	0.00	977.75	0.00	0.00	0.00	195.55
Loan forfeit bonus*	Mil \$	-1.29	-0.03	14.46	124.81	238.68	75.33
Input subsidies:	Mil \$	123.48	142.16	133.91	153.76	128.64	136.39
Commodity loans	Mil \$	101.39	123.69	97.86	90.76	79.70	98.68
Farm storage facility	Mil \$	0.10	0.10	0.00	0.00	0.00	0.04
Farmers home administration	Mil \$	14.27	11.94	23.11	45.97	37.73	26.60
Crop insurance	Mil \$	6.22	5.73	12.94	17.03	11.21	10.63
Fuel excise tax	Mil \$	1.50	0.70	0.00	0.00	0.00	0.44
Marketing:	Mil \$	28.99	4.30	7.92	9.41	8.71	11.87
Processing and marketing	Mil \$	1.48	0.84	1.59	1.77	1.40	1.42
Inspection	Mil \$	0.70	0.37	0.21	0.42	0.50	0.44
Transport	Mil \$	26.81	3.09	6.12	7.22	6.81	10.01
Long-Term:	Mil \$	37.57	28.17	40.3	53.08	31.18	38.06
Research	Mil \$	10.67	8.14	11.56	15.15	8.95	10.89
Advisory	Mil \$	4.28	3.32	4.59	6.17	3.47	4.37
Pest and disease control	Mil \$	4.36	2.34	4.08	5.25	2.82	3.77
Land improvements	Mil \$	18.26	14.37	20.07	26.51	15.94	19.03
Other:	Mil \$	50.49	34.92	48.54	63.58	50.9	49.69
Taxation	Mil \$	23.30	13.81	18.72	22.72	24.21	20.55
State programs	Mil \$	27.19	21.11	29.82	40.86	26.69	29.13
Total policy transfers	Mil \$	409.84	1356.70	441.87	654.51	1062.10	785.00
PSE (per unit value)	Percent	18.13	52.86	19.50	22.47	49.20	31.45
PSE (per unit quantity)	\$/ton	19.32	109.55	20.08	23.01	44.38	36.35

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## United States PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Barley:							
Level of production	Mil tons	11	11	13	13	13	12
Producer price	\$/ton	102	118	104	91	71	97
Value to producers	Mil \$	1219	1400	1432	1366	1357	1365
Policy transfers to producers:							
Direct payments/levies:	Mil \$	75.89	94.79	75.43	197.19	410.88	170.84
Disaster*	Mil \$	0.09	0.00	0.00	0.00	0.00	0.02
Deficiency*	Mil \$	60.12	42.70	50.41	160.00	344.40	131.53
Diversion*	Mil \$	0.00	29.36	0.00	0.00	6.40	7.15
Storage*	Mil \$	16.35	25.82	25.79	26.89	29.60	24.89
Loan forfeit benefits*	Mil \$	-0.67	-3.09	-0.77	10.30	30.48	7.25
Market price support:	Mil \$	0.00	0.00	0.00	0.00	491.68	98.34
Price enhancing policies	Mil \$	0.00	0.00	0.00	0.00	491.68	98.34
Input subsidies:	Mil \$	25.62	43.75	59.58	121.97	77.80	65.74
Commodity loans	Mil \$	15.15	29.36	35.16	37.88	40.40	31.59
Farm storage facility	Mil \$	0.13	0.15	0.00	0.00	0.00	0.06
Farmers home administration	Mil \$	7.80	10.98	15.30	21.23	27.12	16.49
Crop insurance	Mil \$	1.74	2.56	9.12	62.86	10.28	17.31
Fuel excise tax	Mil \$	0.80	0.70	0.00	0.00	0.00	0.30
Marketing:	Mil \$	10.87	2.22	2.51	1.64	2.69	3.99
Processing and marketing	Mil \$	0.81	0.77	1.05	0.80	1.01	0.89
Transport	Mil \$	9.68	1.11	1.32	0.70	1.32	2.83
Inspection	Mil \$	0.38	0.34	0.14	0.14	0.36	0.27
Long-Term:	Mil \$	20.53	25.90	26.60	24.15	22.41	23.92
Research	Mil \$	5.83	7.49	7.63	6.81	6.43	6.84
Advisory	Mil \$	2.34	3.05	3.03	2.78	2.49	2.74
Pest and disease control	Mil \$	2.38	2.15	2.69	2.36	2.03	2.32
Land improvements	Mil \$	9.98	13.21	13.25	12.20	11.46	12.02
Other:	Mil \$	27.61	32.11	32.04	29.27	30.335	30.27
Taxation	Mil \$	12.74	12.70	12.36	10.46	11.15	11.88
State programs	Mil \$	14.87	19.41	19.69	18.81	19.19	18.39
Total policy transfers	Mil \$	160.52	198.77	196.16	374.22	1035.80	393.09
PSE (per unit value)	Percent	13.17	14.20	13.70	27.40	76.35	28.79
PSE (per unit quantity)	\$/ton	14.29	17.94	15.04	29.08	78.00	31.96

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## United States PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Oats:							
Level of production	Mil tons	9	7	7	9	7	8
Producer price	\$/ton	103	116	116	72	65	94
Value to producers	Mil \$	884	818	800	655	467	730
Policy transfers to producers:							
Direct payments/levies:	Mil \$	0.90	13.56	1.67	8.37	34.66	11.83
Disaster*	Mil \$	0.30	0.04	0.00	0.00	0.00	0.07
Deficiency*	Mil \$	0.00	5.00	0.00	7.79	32.40	9.04
Diversion*	Mil \$	0.00	7.58	0.00	0.00	1.60	1.84
Storage*	Mil \$	0.60	0.94	1.67	0.58	0.66	0.89
Loan forfeit benefits*	Mil \$	-0.11	-0.33	-0.08	0.05	0.23	-0.05
Input subsidies:	Mil \$	7.14	7.45	9.14	12.94	12.86	9.91
Commodity loans	Mil \$	0.27	0.96	0.81	0.71	1.00	0.75
Farm storage facility	Mil \$	0.12	0.13	0.00	0.00	0.00	0.05
Farmers home administration	Mil \$	6.03	6.77	8.97	11.70	12.38	9.17
Crop insurance	Mil \$	0.39	0.35	0.17	1.24	0.48	0.53
Fuel excise tax	Mil \$	0.60	0.20	0.00	0.00	0.00	0.16
Marketing:	Mil \$	1.38	1.12	1.29	1.38	1.29	1.29
Processing and marketing	Mil \$	0.63	0.47	0.62	0.45	0.46	0.53
Transport	Mil \$	0.45	0.44	0.59	0.82	0.67	0.59
Inspection	Mil \$	0.30	0.21	0.08	0.11	0.16	0.17
Long-term:	Mil \$	15.36	16.21	15.763	13.52	10.21	14.21
Research	Mil \$	4.51	4.61	4.49	3.86	2.93	4.08
Advisory	Mil \$	1.81	1.88	1.78	1.57	1.14	1.64
Pest and disease control	Mil \$	1.33	1.58	1.70	1.34	0.92	1.37
Land improvements	Mil \$	7.71	8.14	7.79	6.75	5.22	7.12
Other:	Mil \$	21.33	19.42	18.85	16.18	14.93	18.14
Taxation	Mil \$	9.84	7.82	7.27	5.78	6.17	7.38
State programs	Mil \$	11.49	11.60	11.58	10.40	8.76	10.77
Total policy transfers	Mil \$	46.11	57.75	46.71	52.39	73.95	55.38
PSE (per unit value)	Percent	5.22	7.06	5.84	8.00	15.85	7.59
PSE (per unit quantity)	\$/ton	5.36	8.34	6.79	5.83	11.14	7.28

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## United States PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Soybeans:							
Level of production	Mil tons	61	45	51	57	55	54
Producer price	\$/ton	205	288	212	185	171	212
Value to producers	Mil \$	12447	12834	10723	10604	9383	11374
Policy transfers to producers:							
Direct payments	Mil \$	-15.94	-4.32	-25.22	32.17	57.14	8.77
Loan forfeit benefits*	Mil \$	-15.94	-4.32	-25.22	32.17	57.14	8.77
Input subsidies:	Mil \$	354.00	251.13	226.04	450.99	530.54	362.54
Commodity loans	Mil \$	98.83	17.98	31.55	153.36	195.63	99.47
Farm storage facility	Mil \$	0.41	0.43	0.00	0.00	0.00	0.17
Farmers home administration	Mil \$	85.06	108.00	121.13	192.04	267.39	154.72
Crop insurance	Mil \$	161.00	122.32	73.36	105.59	67.52	105.96
Fuel excise tax	Mil \$	8.70	2.40	0.00	0.00	0.00	2.22
Marketing:	Mil \$	101.09	67.16	48.53	45.95	48.31	62.21
Processing and marketing	Mil \$	8.82	7.55	8.31	7.37	9.94	8.40
Transport	Mil \$	92.27	59.61	40.22	38.58	38.37	53.81
Inspection	Mil \$	0.00	0.00	0.00	0.00	0.00	0.00
Long-Term:	Mil \$	223.92	254.84	210.76	221.09	220.74	226.27
Research	Mil \$	63.61	73.65	60.47	63.11	63.43	64.85
Advisory	Mil \$	25.50	30.03	24.01	25.70	24.28	25.90
Pest and disease control	Mil \$	25.98	21.20	21.32	21.88	20.01	22.08
Land improvements	Mil \$	108.83	129.96	104.96	110.40	113.02	113.43
Other:	Mil \$	300.98	315.832	252.63	264.78	390.02	304.85
Taxation	Mil \$	138.89	124.88	97.42	94.61	200.84	131.33
State programs	Mil \$	162.09	190.95	155.21	170.17	189.18	173.52
Total policy transfers	Mil \$	964.05	884.65	712.74	1014.98	1246.75	964.63
PSE (per unit value)	Percent	7.75	6.89	6.65	9.57	13.29	8.48
PSE (per unit quantity)	\$/ton	15.89	19.87	14.07	17.77	22.82	18.02

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## United States PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Dairy:</b>							
Level of production (whole milk)	Mil tons	68	63	61	65	65	64.53
Producer price	\$/ton	275	302	287	283	278	284.86
Value to producers	Mil \$	18598	18473	17284	18836	17634	18165.15
<b>Policy transfers to producers:</b>							
Direct payments/levies:	Mil \$	0.00	-656.59	-327.00	466.54	-511.24	-205.66
Dairy assessments*	Mil \$	0.00	-656.59	-662.50	-164.56	-511.24	-398.98
Dairy diversion payments*	Mil \$	0.00	0.00	335.50	631.10	0.00	193.32
Market price support:	Mil \$	8226.44	8112.87	10486.74	8859.49	9610.87	9059.28
Price support/quotas	Mil \$	7957.58	7846.51	10229.69	8569.65	9313.72	8783.43
Fluid milk premium	Mil \$	268.86	266.36	257.05	289.84	297.15	275.85
Input subsidies:	Mil \$	145.07	164.52	205.20	332.75	520.57	273.62
Farm storage facility	Mil \$	0.05	0.00	0.00	0.00	0.00	0.01
Farmers home administration	Mil \$	126.94	160.92	205.20	332.70	520.28	269.21
Emergency feed	Mil \$	5.18	0.00	0.00	0.05	0.29	1.10
Fuel excise tax	Mil \$	12.90	3.60	0.00	0.00	0.00	3.30
Marketing:	Mil \$	16.06	11.52	12.59	13.61	19.69	14.69
Processing and marketing	Mil \$	10.84	11.26	12.33	13.46	19.35	13.45
Inspection	Mil \$	0.00	0.00	0.00	0.00	0.00	0.00
Transport	Mil \$	5.22	0.26	0.26	0.15	0.34	1.25
Long-Term:	Mil \$	171.74	186.06	173.36	193.21	210.18	186.91
Research	Mil \$	94.92	109.74	99.09	110.16	123.42	107.47
Advisory	Mil \$	38.05	44.74	39.34	44.86	47.83	42.96
Pest and disease control	Mil \$	38.77	31.58	34.93	38.19	38.93	36.48
Other:	Mil \$	449.17	470.61	416.05	460.34	543.41	467.92
Taxation	Mil \$	207.27	186.08	160.44	164.49	175.32	178.72
State programs	Mil \$	241.90	284.53	255.61	295.85	368.09	289.20
Total policy transfers	Mil \$	9008.48	8288.99	10966.94	10325.94	10393.48	9796.76
PSE (per unit value)	Percent	48.44	44.87	63.45	54.82	58.94	53.93
PSE (per unit quantity)	\$/ton	133.27	130.84	178.51	159.03	159.04	151.81

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## United States PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Sugar:							
Level of production	Mil tons	5	5	5	5	6	5
Producer price	\$/ton	291	305	283	276	274	286
Value to producers	Mil \$	1530	1559	1520	1512	1661	1556
Policy transfers to producers:							
Market price support:	Mil \$	979.47	1021.38	1233.64	1037.97	1236.02	1101.70
Price supports/quotas	Mil \$	979.47	1021.38	1233.64	1037.97	1236.02	1101.70
Input subsidies:	Mil \$	11.85	18.47	17.58	28.46	47.01	24.67
Farmers home administration	Mil \$	10.44	13.12	17.01	27.38	47.64	23.12
Crop insurance	Mil \$	0.41	4.55	0.57	1.08	-0.63	1.20
Fuel excise tax	Mil \$	1.00	0.80	0.00	0.00	0.00	0.36
Marketing:	Mil \$	21.97	2.63	2.57	1.80	3.25	6.44
Processing and marketing	Mil \$	1.08	0.92	1.18	1.05	1.77	1.20
Transport	Mil \$	20.89	1.71	1.39	0.75	1.48	5.24
Inspection	Mil \$	0.00	0.00	0.00	0.00	0	0.00
Long-Term:	Mil \$	27.49	30.94	29.82	31.65	39.43	31.87
Research	Mil \$	7.81	8.94	8.55	9.03	11.35	9.14
Advisory	Mil \$	3.13	3.65	3.40	3.68	4.38	3.65
Pest and disease control	Mil \$	3.19	2.57	3.02	3.14	3.56	3.10
Land improvements	Mil \$	13.36	15.78	14.85	15.80	20.14	15.99
Other:	Mil \$	36.96	38.36	35.91	37.89	48.22	39.47
Taxation	Mil \$	17.05	15.17	13.85	13.54	14.43	14.81
State programs	Mil \$	19.90	23.19	22.06	24.35	33.79	24.66
Total policy transfers	Mil \$	1077.74	1111.77	1319.52	1137.77	1373.93	1204.15
PSE (per unit value)	Percent	70.43	71.31	86.80	75.25	82.74	77.37
PSE (per unit quantity)	\$/ton	204.83	217.71	246.03	208.00	226.35	220.77

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## United States PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Beef and veal:							
Level of production	Mil tons	10	11	11	11	11	11
Producer price	\$/ton	2183	2054	2027	1928	1893	2017
Value to producers	Mil \$	22761	22074	22146	21196	20916	21819
Policy transfers to producers:							
Market price support:	Mil \$	459.96	472.18	480.81	646.66	721.13	556.15
Tariffs	Mil \$	459.96	472.18	480.81	484.87	487.39	477.04
Beef purchases	Mil \$	0.00	0.00	0.00	161.79	233.74	79.11
Input subsidies:	Mil \$	227.32	251.18	309.62	441.73	655.57	377.09
Farm storage facility	Mil \$	0.29	0.01	0.00	0.00	0	0.06
Farmers home administration	Mil \$	155.35	185.65	247.76	383.7	599.93	314.48
Emergency feed	Mil \$	6.34	0.00	0.00	0.06	0.34	1.35
Fuel excise tax	Mil \$	15.80	4.20	0.00	0.00	0	4.00
Grazing fees	Mil \$	49.54	61.32	61.86	57.97	55.30	57.20
Marketing:	Mil \$	197.43	188.31	192.45	203.16	195.35	195.34
Inspection	Mil \$	174.71	175.05	175.04	188.27	172.64	177.14
Processing and marketing	Mil \$	16.12	12.99	17.10	14.70	22.31	16.64
Transport	Mil \$	6.60	0.27	0.31	0.19	0.40	1.55
Long-Term:	Mil \$	210.19	214.71	217.74	220.75	242.37	221.15
Pest and disease control	Mil \$	47.45	36.44	43.87	43.63	44.89	43.26
Research	Mil \$	116.17	126.64	124.46	125.86	142.32	127.09
Advisory	Mil \$	46.57	51.63	49.41	51.26	55.16	50.81
Other:	Mil \$	549.70	543.05	520.54	530.92	626.64	554.17
Taxation	Mil \$	253.66	214.72	200.73	189.71	202.20	212.20
State programs	Mil \$	296.04	328.32	319.81	341.21	424.44	341.97
Total policy transfers	Mil \$	1644.60	1669.42	1721.15	2043.22	2441.07	1903.89
PSE (per unit value)	Percent	7.23	7.56	7.77	9.64	11.67	8.73
PSE (per unit quantity)	\$/ton	157.75	155.32	157.50	185.81	220.91	175.81

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## United States PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Pork:</b>							
Level of production	Mil tons	6	7	7	7	6	7
Producer price	\$/ton	1676	1423	1412	1321	1494	1465
Value to producers	Mil \$	10816	9808	9489	8871	9533	9704
<b>Policy transfers to producers:</b>							
<b>Input subsidies:</b>							
Farmers home administration	Mil \$	69.52	82.51	106.27	160.59	273.28	138.43
Emergency feed	Mil \$	6.34	0.00	0.00	0.03	0.15	1.30
Fuel excise tax	Mil \$	7.10	1.90	0.00	0.00	0.00	1.80
<b>Marketing:</b>							
Inspection	Mil \$	78.19	77.78	75.18	79.16	78.64	77.79
Transport	Mil \$	3.08	0.12	0.12	0.06	0.15	0.71
Processing and marketing	Mil \$	7.21	5.77	7.35	6.18	10.16	7.33
<b>Long-Term:</b>							
Research	Mil \$	51.99	56.27	53.45	52.89	64.83	55.89
Advisory	Mil \$	20.84	22.94	21.22	21.54	25.12	22.33
Pest and disease control	Mil \$	21.23	16.19	18.84	18.33	20.45	19.01
<b>Other:</b>							
Taxation	Mil \$	113.52	95.41	86.55	79.40	82.62	91.50
State programs	Mil \$	132.48	145.89	137.90	142.80	193.34	150.48
Total policy transfers	Mil \$	511.51	504.78	506.88	560.98	748.74	566.58
PSE (per unit value)	Percent	4.73	5.15	5.34	6.32	7.85	5.84
PSE (per unit quantity)	\$/ton	79.25	73.22	75.44	83.53	117.36	85.42

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## United States PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Poultry:</b>							
Level of production	Mil tons	7	7	7	8	8	7
Producer price	\$/ton	875	913	1096	973	1049	981
Value to producers	Mil \$	5873	6279	7852	7651	8859	7303
<b>Policy transfers to producers:</b>							
Market price support:	Mil \$	0.00	0.00	0.00	0.00	822.47	164.49
Price enhancing policies	Mil \$	0.00	0.00	0.00	0.00	822.47	164.49
Input subsidies:	Mil \$	45.47	54.02	87.87	138.52	253.86	115.95
Farmers home administration	Mil \$	40.09	52.82	87.87	138.50	253.72	114.60
Emergency feed	Mil \$	1.29	0.00	0.00	0.02	0.14	0.29
Fuel excise tax	Mil \$	4.10	1.20	0.00	0.00	0.00	1.06
Marketing:	Mil \$	50.98	53.56	68.27	73.68	82.65	65.83
Inspection	Mil \$	45.08	49.80	62.13	68.32	73.10	59.69
Transport	Mil \$	1.74	0.07	0.07	0.03	0.10	0.40
Processing and marketing	Mil \$	4.16	3.69	6.07	5.33	9.45	5.74
Long-Term:	Mil \$	54.23	61.07	76.73	80.10	102.62	74.95
Research	Mil \$	29.97	36.02	43.62	45.67	60.26	43.11
Advisory	Mil \$	12.02	14.69	17.54	18.60	23.35	17.24
Pest and disease control	Mil \$	12.24	10.36	15.57	15.83	19.01	14.60
Other:	Mil \$	141.84	154.48	184.60	201.60	252.43	186.99
Taxation	Mil \$	65.45	61.08	71.19	78.48	72.92	69.82
State programs	Mil \$	76.39	93.40	113.41	123.12	179.51	117.16
Total policy transfers	Mil \$	292.52	323.13	417.47	493.90	1514.02	608.21
PSE (per unit value)	Percent	4.98	5.15	5.32	6.46	17.09	8.33
PSE (per unit quantity)	\$/ton	43.56	46.98	58.28	62.80	179.26	82.04

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## United States PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Summary:							
Policy transfers by policy:							
Direct payments/levies:	Mil \$	2039.8	11673.7	4201.2	7083.2	14161.8	7831.9
Disaster	Mil \$	16.3	0.6	0.0	0.0	0.0	3.4
Deficiency	Mil \$	1158.8	1050.5	3285.3	4781.8	11262.8	4307.8
Diversion	Mil \$	0.0	1364.2	505.5	741.1	368.4	595.8
Storage	Mil \$	970.5	506.8	349.2	397.7	584.2	561.7
PIK entitlements	Mil \$	0.0	9397.3	329.3	0.0	0.0	1945.3
Dairy diversion payments	Mil \$	0.0	0.0	335.5	631.1	0.0	193.3
Dairy assessments	Mil \$	0.0	-656.6	-662.5	-164.6	-511.2	-399.0
Marketing loans	Mil \$	0.0	0.0	0.0	271.6	374.5	129.2
Loan forfeit benefits	Mil \$	-105.7	10.7	58.9	424.4	2083.2	494.3
Market price support:	Mil \$	9665.9	9606.4	12201.2	10764.7	13436.4	11134.9
Price enhancing policies	Mil \$	0.0	0.0	0.0	220.6	1868.4	417.8
Fluid milk premium	Mil \$	268.9	266.4	257.1	289.8	297.2	275.9
Price support/quotas	Mil \$	8937.1	8867.9	11463.3	9607.6	10549.7	9885.1
Tariffs	Mil \$	460.0	472.2	480.8	484.9	487.4	477.0
Beef purchases	Mil \$	0.0	0.0	0.0	161.8	233.7	79.1
Input subsidies:	Mil \$	2445.4	2591.1	2401.0	3516.5	4370.6	3064.9
Commodity loans	Mil \$	1333.3	1452.2	990.9	1259.9	1633.1	1333.9
Farm storage facility	Mil \$	4.2	4.3	0.0	0.0	0.0	1.7
Farmers home administration	Mil \$	741.4	830.8	1169.5	1849.3	2546.2	1427.4
Crop insurance	Mil \$	222.3	219.4	178.7	349.2	135.1	220.9
Fuel excise tax	Mil \$	75.5	23.1	0.0	0.0	0.0	19.7
Emergency feed	Mil \$	19.2	0.0	0.0	0.2	0.9	4.0
Grazing fees	Mil \$	49.5	61.3	61.9	58.0	55.3	57.2
Marketing:	Mil \$	978.0	601.1	584.3	582.3	607.8	670.7
Processing and marketing	Mil \$	74.6	58.1	78.8	71.7	94.8	75.6
Transport	Mil \$	592.9	233.3	189.7	169.3	180.8	273.2
Inspection	Mil \$	310.5	309.7	315.8	341.3	332.2	321.9
Long-term:	Mil \$	1449.8	1381.0	1472.1	1548.7	1411.6	1452.6
Research	Mil \$	554.4	566.9	581.9	609.1	605.5	583.5
Advisory	Mil \$	222.3	231.0	231.3	248.1	234.1	233.3
Pest and disease control	Mil \$	225.9	163.3	205.4	211.2	190.8	199.3
Land improvements	Mil \$	447.2	419.8	453.5	480.5	381.2	436.4
Other:	Mil \$	2623.4	2429.3	2441.4	2567.4	2875.6	2587.4
Taxation	Mil \$	1210.6	960.7	941.5	923.9	1072.0	1021.7
State programs	Mil \$	1412.8	1468.6	1499.9	1643.6	1803.6	1565.7

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## United States PSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
Summary (continued):							
Policy transfers by commodity:							
Wheat	Mil \$	1775.3	4554.9	3091.3	3843.4	5814.4	3815.8
Corn	Mil \$	2951.9	8656.6	3395.0	4691.3	10093.3	5957.6
Rice	Mil \$	359.6	674.5	484.6	869.6	1065.0	690.7
Sorghum	Mil \$	409.8	1356.7	441.9	654.5	1062.1	785.0
Barley	Mil \$	160.5	198.8	196.2	374.2	1035.8	393.1
Oats	Mil \$	46.1	57.8	46.7	52.4	74.0	55.4
Soybeans	Mil \$	964.0	884.6	712.7	1015.0	1246.7	964.6
Dairy	Mil \$	9008.5	8289.0	10966.9	10325.9	10393.5	9796.8
Sugar	Mil \$	1077.7	1111.8	1319.5	1137.8	1373.9	1204.1
Beef and veal	Mil \$	1644.6	1669.4	1721.2	2043.2	2441.1	1903.9
Pork	Mil \$	511.5	504.8	506.9	561.0	748.7	566.6
Poultry	Mil \$	292.5	323.1	417.5	493.9	1514.0	608.2
PSE by commodity:							
Wheat	Percent	16.8	38.1	28.5	37.9	63.0	36.5
Corn	Percent	12.9	40.8	15.5	19.7	49.5	27.1
Rice	Percent	23.8	46.4	31.9	52.2	71.7	45.2
Sorghum	Percent	18.1	52.9	19.5	22.5	49.2	31.4
Barley	Percent	13.2	14.2	13.7	27.4	76.4	28.8
Oats	Percent	5.2	7.1	5.8	8.0	15.9	7.6
Soybeans	Percent	7.7	6.9	6.6	9.6	13.3	8.5
Dairy	Percent	48.4	44.9	63.4	54.8	58.9	53.9
Sugar	Percent	70.4	71.3	86.8	75.3	82.7	77.4
Beef and veal	Percent	7.2	7.6	7.8	9.6	11.7	8.7
Pork	Percent	4.7	5.1	5.3	6.3	7.9	5.8
Poultry	Percent	5.0	5.1	5.3	6.5	17.1	8.3
Total policy transfers	Mil \$	19202.3	28282.6	23301.0	26063.0	36863.7	26742.5
Value to producers	Mil \$	111298.1	110436.0	107735.1	109177.1	103073.6	108510.0
12-commodity PSE	Percent	17.3	25.6	21.6	23.9	35.8	24.6

\* Payment to producer in addition to price received.



United States CSE's

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Beef:</b>							
Level of consumption	Mil tons	8.3	8.6	8.6	8.8	8.8	8.6
Retail price	\$/ton	5379	5281	5318	5167	5116	5250
Cost to consumers	Mil \$	44720	45163	45927	45375	45019	45241
Policy transfers to consumers:							
Tariff	Mil \$	-367	-377	-381	-387	-388	-380
Total policy transfers	Mil \$	-367	-377	-381	-387	-388	-380
CSE (per unit value)	Percent	-0.8	-0.8	-0.8	-0.9	-0.9	-0.8
CSE (per unit quantity)	\$/ton	-44	-44	-44	-44	-44	-44
<b>Sugar:</b>							
Level of consumption	Mil tons	7.5	7.2	6.8	7.0	6.7	7.1
Retail price	\$/ton	662	664	630	629	628	643
Cost to consumers	Mil \$	4958	4807	4305	4403	4236	4542
Policy transfers to consumers:							
Price support/quotas	Mil \$	-2510	-2606	-2829	-2687	-2798	-2686
Total policy transfers	Mil \$	-2510	-2606	-2829	-2687	2798	-1567
CSE (per unit value)	Percent	-50.6	-54.2	-65.7	-61.0	-66.1	-59.1
CSE (per unit quantity)	\$/ton	-335	-360	-414	-384	-415	-380
<b>Cheese:</b>							
Level of consumption	Mil tons	2.1	2.2	2.3	2.4	2.5	2.3
Retail price	\$/ton	5651	5560	5767	5777	5879	5733
Cost to consumers	Mil \$	11847	12145	13278	14088	14831	13238
Policy transfers to consumers:							
Price support/quotas	Mil \$	-1819	-1854	-2670	-2073	-2437	-2171
Total policy transfers	Mil \$	-1819	-1854	-2670	-2073	-2437	-2171
CSE (per unit value)	Percent	-15.4	-15.3	-20.1	-14.7	-16.4	-16.4
CSE (per unit quantity)	\$/ton	-868	-849	-1159	-850	-966	-940
<b>Butter:</b>							
Level of consumption	Mil tons	0.46	0.52	0.53	0.53	0.51	0.51
Retail price	\$/ton	3998	3533	3654	3700	3916	3753
Cost to consumers	Mil \$	1833	1843	1926	1953	1979	1907
Policy transfers to consumers:							
Price support/quotas	Mil \$	-448	-436	-691	-699	-796	-614
Total policy transfers	Mil \$	-448	-436	-691	-699	-796	-614
CSE (per unit value)	Percent	-24.4	-23.6	-35.9	-35.8	-40.2	-32.2
CSE (per unit quantity)	\$/ton	-977	-835	-1312	-1324	-1576	-1208

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## United States CSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Non-fat dry milk:</b>							
Level of consumption	Mil tons	0.22	0.24	0.27	0.24	0.27	0.25
Wholesale price	\$/ton	1807	1698	1607	1441	1373	1577
Cost to consumers	Mil \$	403	404	435	353	373	394
Policy transfers to consumers:							
Price support/quotas	Mil \$	-204	-197	-270	-190	-188	-209
Total policy transfers	Mil \$	-204	-197	-270	-190	243	-123
CSE (per unit value)	Percent	-50.5	-48.7	-62.0	-53.7	-50.4	-53.2
CSE (per unit quantity)	\$/ton	-912	-827	-997	-774	-692	-839
<b>Fluid milk:</b>							
Level of consumption	Mil tons	22	23	23	23	23	23
Retail price	\$/ton	540	543	541	546	539	539
Cost to consumers	Mil \$	12091	12253	12421	12566	12590	12384
Policy transfers to consumers:							
Price support/quotas	Mil \$	-2898	-2792	-3822	-3038	-3327	-3175
Fluid milk premium	Mil \$	-269	-257	-264	-290	-297	-275
Total policy transfers	Mil \$	-3167	-3049	-4086	-3328	-3624	-3451
CSE (per unit value)	Percent	-26.2	-24.9	-32.9	-26.5	-28.8	-27.9
CSE (per unit quantity)	\$/ton	-141	-135	-178	-145	-155	-151
<b>Wheat:</b>							
Level of consumption	Mil tons	25	30	31	28	32	29
Wholesale price	\$/ton	145	141	137	121	100	129
Cost to consumers	Mil \$	3579	4258	4316	3431	3244	3791
Policy transfers to consumers:							
Price enhancing policies	Mil \$	0	0	0	-87	-292	-76
Total policy transfers	Mil \$	0	0	0	-87	-292	-76
CSE (per unit value)	Percent	0.0	0.0	0.0	-2.5	-9.0	-2.0
CSE (per unit quantity)	\$/ton	0	0	0	-3	-9	-3

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## United States CSE's (continued)

Item	Unit	1982	1983	1984	1985	1986	1982-86 ave
<b>Barley:</b>							
Level of consumption	Mil tons	9	10	10	11	10	10
Wholesale price	\$/ton	81	114	96	70	73	87
Cost to consumers	Mil \$	722	1120	992	767	720	866
Policy transfers to consumers:							
Price enhancing policies	Mil \$	0	0	0	0	-342	-68
Total policy transfers	Mil \$	0	0	0	0	-342	-68
CSE (per unit value)	Percent	0.0	0.0	0.0	0.0	-47.6	-7.9
CSE (per unit quantity)	\$/ton	0	0	0	0	-35	-7
<b>Poultry:</b>							
Level of consumption	Mil tons	6	7	7	8	8	7
Wholesale price	\$/ton	1602	1680	1862	1733	1887	1753
Cost to consumers	Mil \$	10247	11099	12874	13061	14859	12385
Policy transfers to consumers:							
Price enhancing policies	Mil \$	0	0	0	0	-739	-148
Total policy transfers	Mil \$	0	0	0	0	-739	-148
CSE (per unit value)	Percent	0.0	0.0	0.0	0.0	-5.0	-1.2
CSE (per unit quantity)	\$/ton	0	0	0	0	-94	-21
<b>Summary:</b>							
Policy transfers by policy:							
Price support/quotas	Mil \$	-7879	-7885	-10281	-8687	-9546	-8855
Tariff	Mil \$	-367	-377	-381	-387	-388	-380
Fluid milk premium	Mil \$	-269	-257	-264	-290	-297	-275
Price enhancing policies	Mil \$	0	0	0	-87	-1373	-292
Policy transfers by commodity:							
Beef	Mil \$	-367	-377	-381	-387	-388	-380
Sugar	Mil \$	-2510	-2606	-2829	-2687	2798	-1567
Cheese	Mil \$	0	0	0	0	0	0
Butter	Mil \$	-448	-436	-691	-699	-796	-614
Non-fat dry milk	Mil \$	-204	-197	-270	-190	243	-123
Fluid milk	Mil \$	-3167	-3049	-4086	-3328	-3624	-3451
Wheat	Mil \$	0	0	0	-87	-292	-76
Barley	Mil \$	0	0	0	0	-342	-68
Poultry	Mil \$	0	0	0	0	-739	-148
CSE by commodity:							
Beef	Percent	-0.8	-0.8	-0.8	-0.9	-0.9	-0.8
Sugar	Percent	-50.6	-54.2	-65.7	-61.0	-66.1	-59.1
Cheese	Percent	-15.4	-15.3	-20.1	-14.7	-16.4	-16.4
Butter	Percent	-24.4	-23.6	-35.9	-35.8	-40.2	-32.2
Non-fat dry milk	Percent	-50.5	-48.7	-62.0	-53.7	-50.4	-53.2
Fluid milk	Percent	-26.2	-24.9	-32.9	-26.5	-28.8	-27.9
Wheat	Percent	0.0	0.0	0.0	-2.5	-9.0	-2.0
Barley	Percent	0.0	0.0	0.0	0.0	-47.6	-7.9
Poultry	Percent	0.0	0.0	0.0	0.0	-5.0	-1.2
Total transfers to consumers	Mil \$	-8519	-8519	-10926	-9451	-11604	-9803
Cost to consumers	Mil \$	76705	79090	81249	79941	81025	79586
9-commodity CSE	Percent	-11.1	-10.8	-13.4	-11.8	-14.3	-12.3

