

**2003 Outlook of the U.S. and World Wheat Industries, 2002-2012**

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## **Abstract**

This report evaluates the U.S. and world wheat markets for the 2002-2012 period using the Global Wheat Policy Simulation Model. This analysis is based on a series of assumptions about general economic conditions, agricultural policies, weather conditions, and technological change.

Both the U.S. and world wheat economies are predicted to improve for the next ten years. World demands for both common and durum wheat are expected to grow faster than world production resulting in gradual increases in prices of the wheat varieties. However, the higher price levels experienced in 2002 due to weather conditions will not be maintained in the short term. World trade volumes of both classes of wheat are expected to expand, but trade volume of durum wheat may grow faster than common wheat.

**Keywords:** common wheat, durum wheat, production, exports, consumption, ending stocks



## Highlights

Total world wheat trade is projected to increase by 16.8% from 79.2 million metric tons in 2002 to 93.4 million metric tons in 2012. Prices for durum and common wheat are expected to be lower than the 2002 levels, but increase gradually for the period, 2003-2012.

Production of all wheat classes in the United States is predicted to increase for the 2002-2012 period. The largest increase in production occurs for U.S. hard red winter (HRW) wheat, followed by durum wheat. Exports of all wheat classes are predicted to increase for the 2002-2012 period.

Production of both Canadian western red spring (CWRS) and Canadian western amber durum (CWAD) wheat is predicted to increase for the 2002-2012 period. However, CWRS wheat production will grow faster than CWAD wheat production. Domestic consumption of CWRS and CWAD wheat is predicted to increase for the 2002-2012 period. CWAD wheat exports are projected to increase faster than CWRS wheat exports.

Common and durum wheat production in the European Union (EU) is predicted to increase 3.5% and 3.1%, respectively, from the 2000-02 average to 2012. Exports of both wheat classes are predicted to increase slightly.

Australia's wheat production is predicted to grow 17.2% over the 2002-2012 period. Domestic wheat consumption is expected to increase 7.5% from 6.6 million metric tons in 2002 to 7.1 million metric tons in 2012. Wheat exports also are expected to increase from 17.8 million metric tons in 2002 to 21.0 million metric tons in 2012.

Argentinian wheat production is projected to increase 3.4% from 17.8 million metric tons in 2002 to 18.4 million metric tons in 2012. Domestic wheat consumption is expected to increase 19.9% from 4.9 million metric tons to 5.9 million metric tons for the period. Wheat exports are expected to decrease from 13.2 million metric tons in 2002 to 12.5 million metric tons in 2012.

Most importing countries are predicted to increase their imports for both common and durum wheat. Among those countries, import demand for common wheat in China and Tunisia will grow faster than in other countries. Import demand for durum wheat in Algeria is predicted to grow faster than that for common wheat.

Import demand for both common and durum wheat is largely based on optimistic income growth (2.5% to 6% annually) in developing and developed countries, which was provided by WEFA and Project Link. However, if the predicted income growth is not realized, import demand could grow slower than predicted and estimated prices could be lower.



# 2003 Outlook of the U.S. and World Wheat Industries, 2002-2012

Won W. Koo and Richard D. Taylor\*

## INTRODUCTION

This report evaluates the U.S. and world wheat industries for the 2002-2012 period using the Global Wheat Policy Simulation Model developed by Benirschka and Koo. The outlook projection is based on an assumption that current farm and trade policies adopted by wheat exporting and importing countries will not change. Assumptions associated with macroeconomic variables, such as GDP growth rates, interest rates, inflation rates, exchange rates, and consumer price indices in the United States and other countries, are based on forecasts prepared by the WEFA Group and Project LINK. Average weather conditions and historical rates of technological change are also assumed to prevail during the projection period.

Wheat is a differentiated product. Substitution among wheat classes is imperfect, and consumer preferences differ among countries, suggesting that wheat characteristics are an important determinant of trade flows. The Global Wheat Policy Simulation Model is a partial equilibrium model that distinguishes wheat into common and durum wheat. U.S. common wheat is further divided into four classes: hard red winter (HRW), hard red spring (HRS), soft red winter (SRW), and white wheat.

The model contains 6 exporting countries and regions [Argentina, Australia, Canada, the United States, the European Union (EU), and the Former Soviet Union (FSU)] and 13 importing countries and regions [Algeria, Brazil, China, Egypt, India, Japan, Mexico, Morocco, South Korea, Taiwan, Tunisia, Venezuela, and a Rest of the World region]. The FSU became an exporting country in 2001 and is projected to continue to export wheat throughout the forecast period. The model simulates production, consumption, stocks, and exports or imports for wheat classes over a 10-year period. The model is solved for a set of equilibrium wheat prices in which demand for each wheat class equals supply for every year. The model is linked to the Food and Agricultural Policy Research Institute (FAPRI) model and uses the predicted prices of all agricultural commodities, except wheat, from the model. The model uses 2002 as the base year of the simulation.

Wheat is widely produced across the world. Total world wheat production has increased from 531 million tons in 1986/87 to 571 million tons in 2002/03. The EU (103 million tons) was the largest producer of wheat in 2002, followed by China (90 million tons) and the United States (59 million tons). Other major wheat-producing countries are the FSU, Canada, Australia, Turkey, India, and Argentina. These nine countries produce about 74% of the wheat produced in the world. Because of the concentration of wheat production in a few countries, a large volume of wheat is traded in the world market. The total quantity of wheat traded in the world market was 91 million tons in 2002, which is about 26% of wheat produced in that year. Major exporting countries are the United States, Canada, Australia, the EU, and Argentina.

The world wheat market has changed dramatically in the past decade. Farm support policies in exporting and importing countries have encouraged production, resulting in increasing stocks. Countries used quotas, variable levies, tariffs, and other forms of import restrictions to protect domestic producers. As world

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trade decreased during the early 1980s due to a depressed world economy, major exporting countries expanded the use of export subsidies or export promotion programs to maintain their grain market share.

The Uruguay Round of GATT negotiations, which became effective in 1995, has affected trade flows of wheat from exporting countries to importing countries. In addition, recent financial crises in several Asian countries, including South Korea, Thailand, Indonesia, and Taiwan, also have affected the world wheat market. Import demand for wheat within those countries has been reduced substantially, resulting in depressed wheat prices in the world market. The average export price of wheat at the Gulf ports decreased from \$5.02 per bushel in 1996/97 to \$3.30 per bushel in 2001/02 before increasing to \$4.16 due to weather conditions in the United States, Canada, and Australia.

## WORLD WHEAT INDUSTRY

World wheat trade is dominated by a few exporting countries: the United States, Canada, Australia, the EU, and Argentina. These countries have handled over 80% of wheat traded in the world market. While competition among exporting countries is strong, the world wheat market is not perfectly competitive. Australia and Canada use wheat boards to market their grain, while the EU relies on export subsidies to increase its market share. In addition, all major wheat exporters use credit guarantees and long-term preferential trade agreements to promote their exports.

### **Wheat Classes**

Most wheat varieties grown today belong to the broad category of common or bread wheat, which accounts for approximately 95% of world wheat production. The remaining 5% of world wheat production is durum wheat used to produce pasta and couscous. Common wheat is further divided into hard and soft wheat. Wheat varieties are highly differentiated in terms of their agronomic and end-use attributes. Based on criteria such as kernel hardness, color, growth habitat, and protein content, wheat is divided into several classes. Color and hardness refer to physical properties of the wheat kernel. Based on the color of the outer layer of the kernel, common wheat varieties are described as white, amber, red, or dark, while the hardness of the kernel is used to characterize them as hard or soft.

Growth habitat is an important agronomic feature of wheat varieties. Winter wheat is planted in late summer or fall and requires a period of cold winter temperatures for heading to occur. After using fall moisture for germination, the plants remain in a vegetative phase or dormancy during the winter and resume growth in early spring. In contrast to winter wheat, spring wheat changes from vegetative growth to reproductive growth without exposure to cold temperatures. In temperate climates, spring wheat is sown in spring. Since yields for winter wheat tend to be higher than for spring wheat, spring wheat is produced primarily in regions where winter wheat production is infeasible, where frozen soil kills the wheat plants, or where winters are too warm. Countries with mild winters, such as Argentina and Brazil, produce spring wheat but plant in the fall rather than in the spring.

## Wheat Production

Because of differences in soil types and climates, wheat produced in one country generally differs from that produced in other countries. The United States produces hard, soft, and durum wheats. Hard wheat produced in the United States is further divided into hard red winter (HRW) and hard red spring (HRS) wheat, and soft wheat is divided into soft red winter (SRW) and white wheat. SRW wheat is produced in the Corn Belt and Southern states. HRS and durum wheat are grown in the Northern Plains, mainly North Dakota, which produces about 80% of durum wheat and 60% of HRS wheat produced in the United States. HRW wheat is grown primarily in the Central Plains, particularly Kansas and Oklahoma. White wheat, a type of soft wheat, is grown in the Pacific Northwest, Michigan, and New York. Average U.S. wheat production for the 1998-2002 period was 58.7 million tons with 24.9 million tons of HRW, 12.5 million tons of HRS, 11.3 million tons of SRW, 7.2 million tons of white wheat, and 2.8 million tons of durum wheat (Table 1).

Table 1. Wheat Production by Class, 1998-2002 Average Production

Country/class	1998	1999	2000	2001	2002	Average	Share
	------(1,000 mt)-----						(%)
Argentina							
Common	13,300	16,400	16,230	15,500	17,754	15,837	2.7
Australia							
Common	21,465	24,757	23,766	24,000	24,483	23,694	4.1
Canada							
All	22,601	25,182	25,004	19,768	19,680	22,447	3.9
Common	16,559	20,882	19,357	16,714	16,400	17,982	3.1
Durum	6,042	4,300	5,647	3,054	3,280	4,465	0.8
European Union							
All	103,085	96,392	104,732	91,198	103,320	99,745	17.2
Common	93,844	89,008	95,832	83,368	95,730	91,556	15.8
Durum	9,241	7,384	8,900	7,830	7,590	8,189	1.4
United States							
All	69,336	62,575	60,765	53,288	46,715	58,536	10.1
Hard Red Winter	32,104	28,598	23,035	20,871	18,774	24,676	4.3
Hard Red Spring	13,239	12,191	13,672	12,948	10,823	12,574	2.2
Soft Red Winter	12,050	12,365	12,831	10,879	8,539	11,333	2.0
White	8,185	6,717	8,239	6,315	6,362	7,164	1.2
Durum	3,759	2,703	2,989	2,275	2,217	2,788	0.5
Other Producers							
All	358,948	360,662	352,701	359,707	359,040	358,212	61.9
Total World							
All	588,735	585,968	583,198	563,461	570,991	578,471	

Source: FAO Stat, International Grains Council, Canadian Wheat Board

The majority of Canadian wheat is produced in Saskatchewan, southwestern Manitoba, and southeastern Alberta. Canada produces primarily a hard red spring wheat, Canadian Western Red Spring

(CWRS), and durum wheat. Average Canadian wheat production for the 1998-2002 period included 18.0 million tons of CWRS and 4.5 million tons of durum wheat (Table 1).

The EU produced an annual average of 91.6 million tons of a soft wheat and 8.2 million tons of durum wheat during the 1998-2002 period. France accounted for 40% of soft wheat production in the EU in 2000. Germany and the United Kingdom are also major producers. The majority of durum is produced in Italy, Greece, and France. Italy accounted for nearly 60% of EU durum production in 2000, followed by Greece (22%), and France (13%).

Australia primarily produces a winter wheat which is similar to HRW wheat in terms of quality and characteristics. Australian average wheat production amounted to 23.7 million tons for the 1998-2002 period. Wheat production is concentrated in the eastern Australian states of New South Wales and Victoria.

Argentina produces a wheat with characteristics of both soft and hard wheat. Argentina's average wheat production amounted to 15.8 million tons for the 1998-2002 period.

### **Wheat Consumption and Imports**

Different wheat classes have their preferred uses. Hard wheat flour has excellent bread baking properties; soft wheat flour is well-suited for cakes, cookies, and Asian noodles; and durum wheat is used for pasta products and couscous. However, since different types of wheat can be blended to produce flours with certain characteristics, some substitution among wheat classes is possible in flour milling.

Although wheat is used primarily for human consumption, it is also an excellent feed grain for poultry and livestock. Feed use of wheat tends to be highly variable and depends on the quality of the wheat crop and the price relationship between wheat and other feed grains. Generally, only lower quality wheat is used for feed, and differences among wheat classes are not important for feeding purposes. Wheat is a differentiated product only for human consumption.

Major importing countries include Algeria, Brazil, China, Egypt, Japan, Mexico, Morocco, South Korea, Taiwan, Tunisia, and Venezuela (Table 2). Most of these importing countries use various types of barriers to restrict the inflow of wheat to their countries. China, until 1995, had been the largest importer of wheat, followed by Brazil and Japan. However, China's wheat imports have been highly volatile, depending upon its domestic wheat production and import policies. China recently reduced wheat imports substantially, from 12.0 million tons in 1995 to becoming a net exporter of wheat in 2002.

Trade flows of wheat from exporting countries to importing countries are shown in Figure 1. The EU and the United States are major exporters of wheat, but they also import considerable amounts of wheat. The United States imports wheat from Canada, while the EU imports wheat from the United States, Canada, Argentina, and Australia.

Table 2. Wheat Imports by Country, 1998-2002 Average Imports

Country	1998	1999	2000	2001	2002	Average	Share
	----- (1,000 mt)-----						(%)
Algeria	4,250	4,750	5,600	4,500	4,516	4,723	5.4
Brazil	7,074	7,698	7,201	6,781	6,900	7,131	8.2
China	287	468	-----	-----	-----	-----	NA
Egypt	7,454	5,872	6,050	7,000	6,955	6,666	7.6
Japan	5,959	5,960	5,911	5,800	5,800	5,886	6.7
Korea	4,689	3,811	3,127	3,979	3,601	3,841	4.4
Mexico	2,174	2,228	2,361	2,652	2,371	2,357	2.7
Morocco	2,725	3,024	3,534	3,050	3,053	3,077	3.5
United States	2,586	2,395	2,450	2,586	2,450	2,493	2.9
Others	44,990	52,705	53,017	52,864	53,370	51,389	58.8
Total World	82,187	88,912	88,823	88,792	88,516	87,446	100.0

Sources: United Nations, International Wheat Council, and the Canadian Wheat Board.

## Wheat Exports

The major wheat exporting countries, the United States, Canada, the EU, the FSU, Australia, and Argentina, supply approximately 70% of the wheat traded in the world market. The United States is the largest exporter, followed by Canada and Australia (Table 3). The United States leads in exports of HRW and SRW wheats; an annual average of 24.2 million metric tons of all wheat were exported in 1998-2002, of which 10.2 million metric tons were HRW, and 5.2 million metric tons were HRS. The United States competes with the EU for market share of SRW wheat. Major U.S. markets for SRW wheat include China, West Asia, and North Africa. EU markets for SRW wheat also include China, West Asia, and North Africa.

Table 3. Wheat Exports by Class, 1998-2002 Average Exports

Country/class	1998	1999	2000	2001	2002	Average	Share
	------(1,000 mt)-----						(%)
Argentina/common	8,535	11,577	11,265	10,065	13,193	10,927	8.5
Australia/common	16,415	17,785	15,856	16,334	17,768	16,832	13.1
Canada							
All	14,720	18,304	16,746	16,000	14,815	16,117	12.5
Common	10,872	14,738	13,269	13,000	11,961	12,768	9.9
Durum	3,848	3,566	3,477	3,000	2,854	3,349	2.6
European Union							
All	15,903	16,398	19,851	17,394	17,423	17,394	13.5
Common	15,103	15,598	18,976	16,664	16,829	16,634	12.9
Durum	800	800	875	730	594	760	0.6
United States							
All	25,721	26,810	25,444	23,680	19,434	24,218	18.8
Hard Red Winter	11,909	12,253	9,645	9,275	7,810	10,178	7.9
Hard Red Spring	4,911	5,223	5,725	5,754	4,502	5,223	4.1
Soft Red Winter	4,470	5,298	5,373	4,834	3,553	4,705	3.7
White	3,036	2,878	3,450	2,806	2,647	2,963	2.3
Durum	1,394	1,158	1,251	1,011	922	1,147	0.9
Other Producers							
All	46,307	44,919	46,540	38,804	39,952	43,304	33.6
Total World							
All	127,601	135,793	135,702	122,277	122,584	128,791	100.0

Sources: United Nations, International Wheat Council, and the Canadian Wheat Board

Canada is the leader in exports of HRS and durum wheat. The United States also exports HRS and durum wheat and competes with Canada. The EU competes with the United States and Canada for market share of durum wheat exports. Major U.S. markets for HRS wheat include Southeast Asia and East Asia, including Japan and South Korea. Major Canadian markets for HRS wheat include China and the East Asian markets. The United States, Canada, and the EU compete intensely for the North African durum markets.

Australia and Argentina compete with the United States in exporting HRW wheat. Major U.S. markets for HRW wheat include China and East Asia. Argentina exports HRW wheat mainly to South America and West Asia. Australia's major markets are the North African countries, China, and West Asia.

## OUTLOOK FOR THE WORLD WHEAT INDUSTRY

Total world wheat trade for the 5 major exporters is projected to increase 13.2% from 88.5 million metric tons in 2002 to 97.6 million metric tons in 2012 (Figure 1). Trade of all wheat classes is expected to increase for the 2002-2012 period. Durum wheat production in Canada is predicted to increase faster than in other countries.



The export price of U.S. common wheat is projected to decrease by 1.7%, from \$4.16 per bushel in 2002 to \$4.09 per bushel in 2012, due to higher prices in 2002 as the result of unfavorable weather conditions during the year (Figure 2). The price of U.S. durum wheat is projected to increase 2.5%, from \$4.39 per bushel in 2002 to \$4.50 per bushel in 2012. Both U.S. common and durum wheat prices are projected to decline sharply in 2003 and then increase gradually.

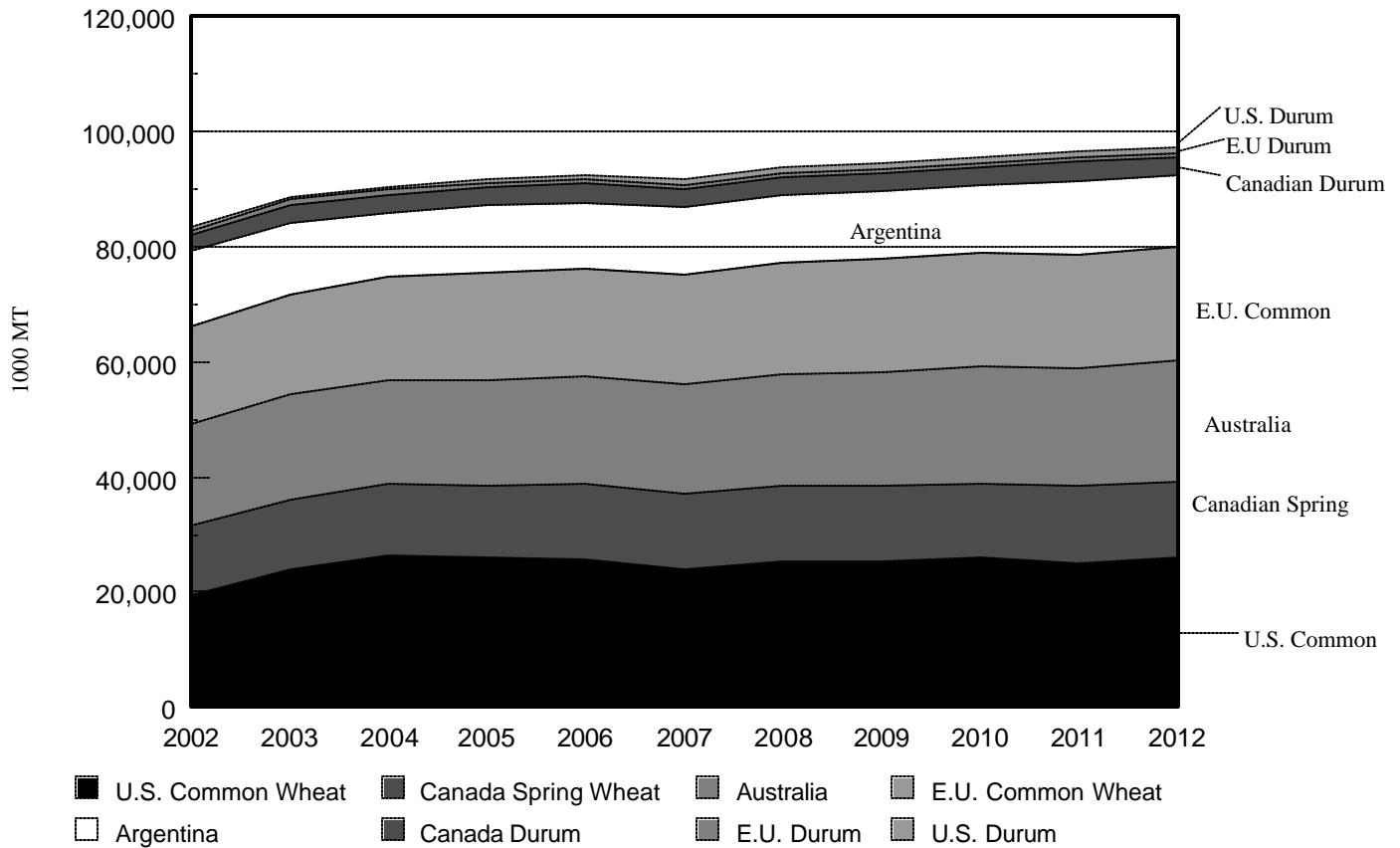


Figure 1. World Wheat Trade, 2002 to 2012

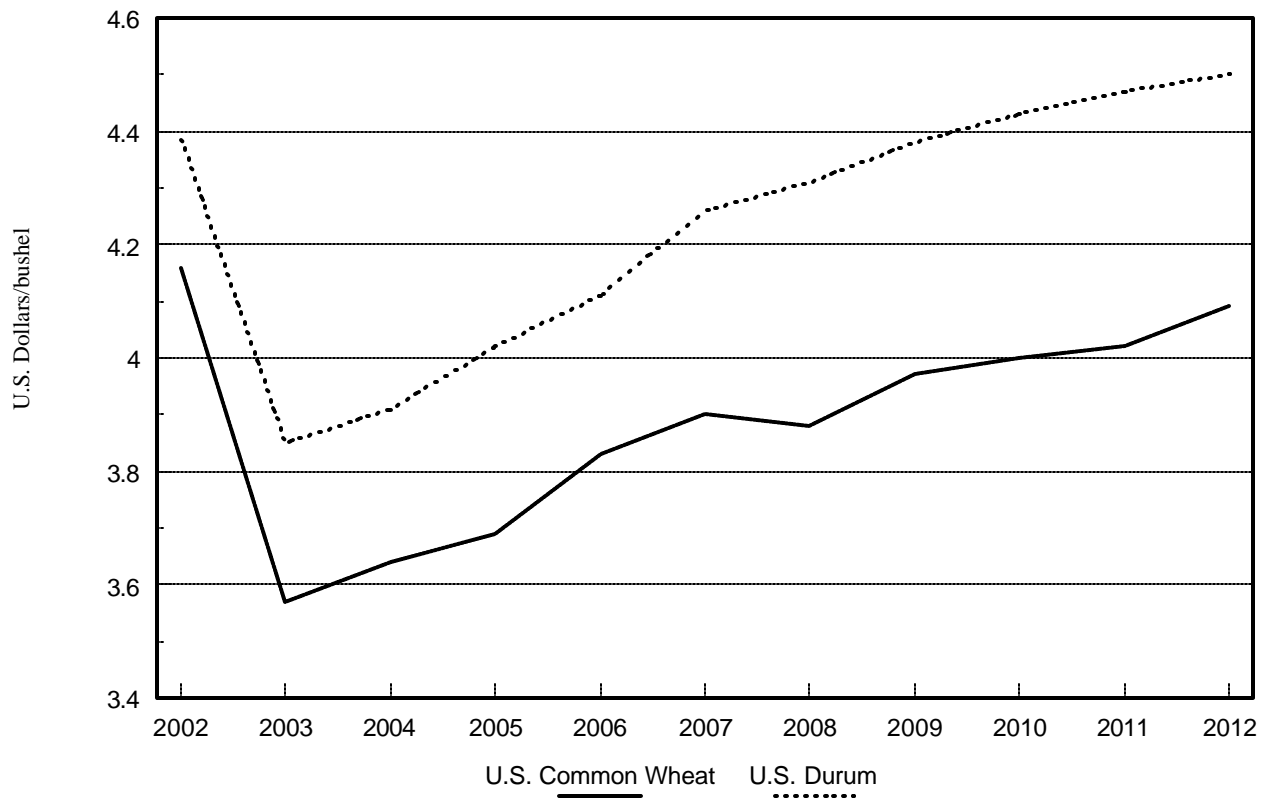


Figure 2. U.S. Wheat Export Prices, 2002 to 2012

## United States

Table 4 shows wheat production, consumption, exports, and ending stocks in the United States. Total U.S. wheat production is expected to grow 18.7% from 2002 to 2012. Production of HRW wheat in 2002 was significantly lower than the 2000-2002 three-year average. For the 2002-2012 period, the largest increases in production occur for U.S. HRW wheat (33.1%), followed by durum wheat (28.2%), and HRS (16.6%). U.S. SRW wheat production increases by only 1.4%. Changes in production of different classes of wheat over the 2002-2012 period are shown in Figure 3. For all classes of wheat, production is expected to increase throughout the forecast period.

Table 4. Wheat Production, Consumption, Exports, and Carry-over Stocks in the United States

	Average (2000-2002)	2002	2012	% change (2000-02) to 2012
-----thousand metric tons-----				
<b>Production</b>				
Common	51,096	44,498	60,660	18.7
HRW	20,893	18,774	27,815	33.1
HRS	12,481	10,823	14,551	16.6
SRW	10,750	8,539	10,901	1.4
White	6,972	6,362	7,393	6.0
Durum	2,494	2,217	3,197	28.2
<b>Consumption</b>				
Common	32,699	32,148	35,284	7.9
Durum	2,241	2,232	2,286	2.0
<b>Exports</b>				
Common	22,852	19,434	25,872	13.2
Durum	646	680	886	37.1
<b>Carry-over</b>				
Common	20,178	19,543	17,558	-13.0
Durum	826	544	498	-39.6

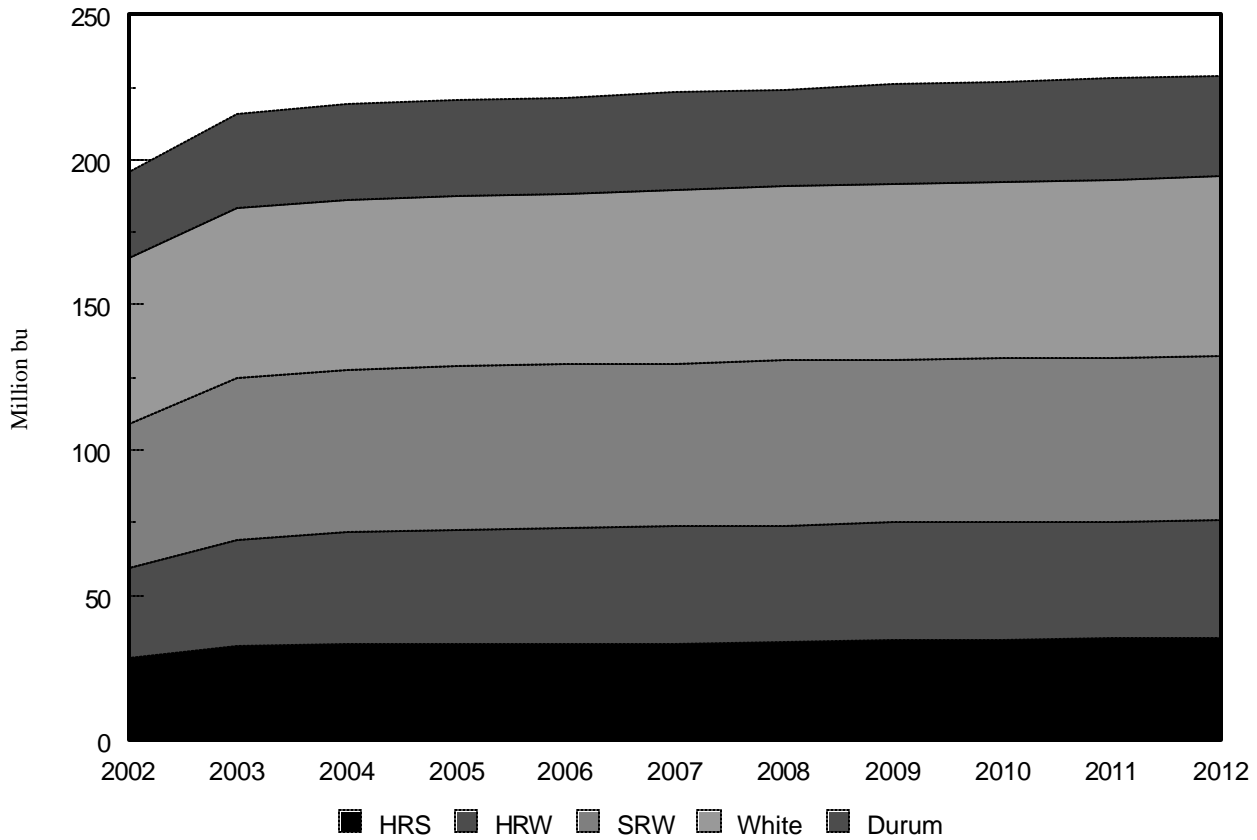


Figure 3. U.S. Wheat Production, 2002 to 2012

Total wheat harvested area is expected to increase from 49.5 million acres in 2002 to 55.3 million acres in 2012, and average yield is predicted to increase from 34.7 bushels per acre to 42.5 bushels per acre. Hard red spring wheat area is predicted to increase 3.0 million acres, and U.S. durum area is expected increase 0.6 million acres.

Common wheat consumption is expected to grow faster than durum wheat consumption. U.S. wheat consumption is projected to grow 7.9% for common food and feed wheat and 2.0% for U.S. durum wheat for the 2002-2012 period (Figure 4).

U.S. durum exports are projected to increase 37.1% from 646 thousand metric tons in 2000-02 to 886 thousand metric tons in 2012. Common wheat exports are predicted to increase gradually from 22.8 million metric tons in 2000-02 to 25.9 million metric tons in 2012 (Figure 5).

Ending stocks are expected to decrease for both common and durum wheat. Total ending stocks for the 2002-2012 period are predicted to decrease 13.0% for common wheat and 39.6% for durum wheat (Figure 6).

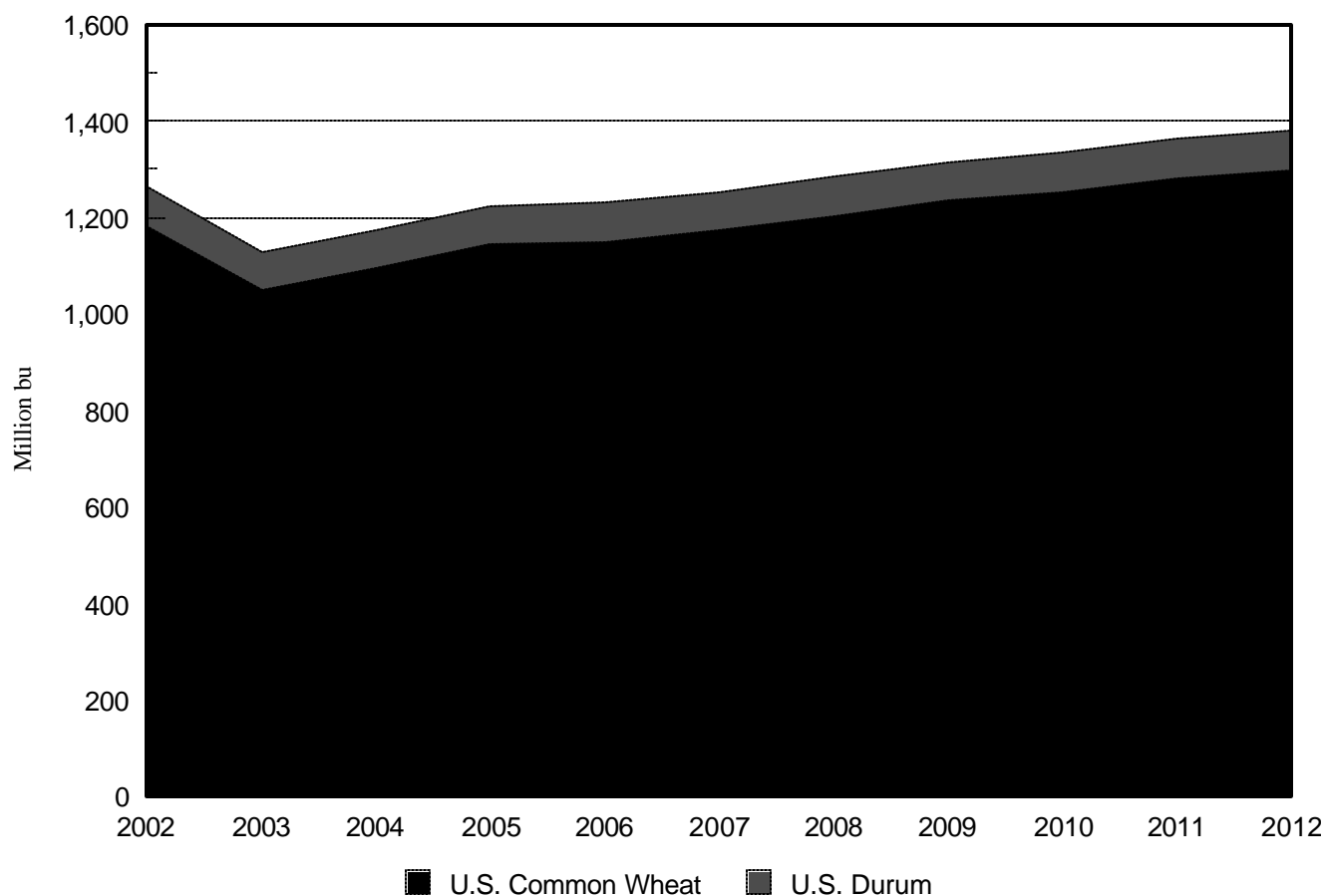


Figure 4. U.S. Domestic Wheat Consumption, 2002-2012

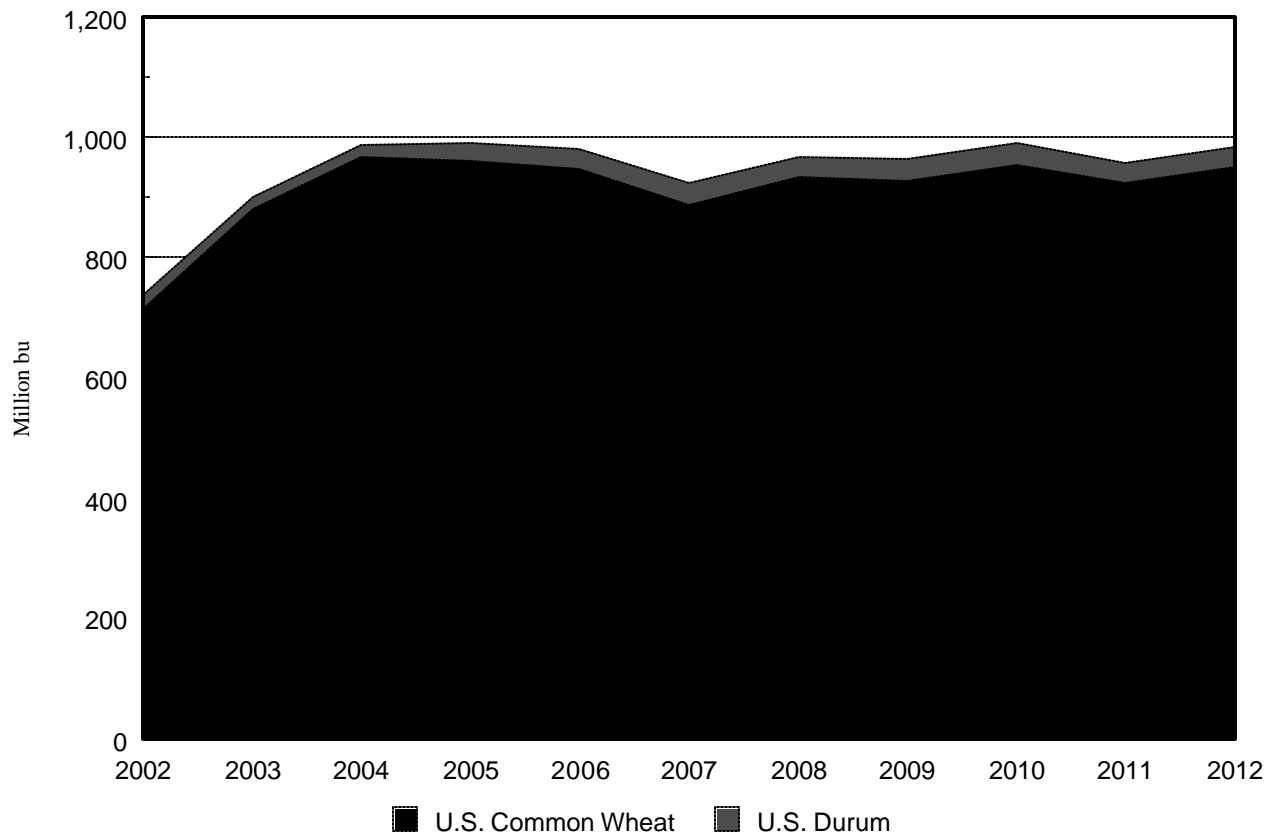


Figure 5. U.S. Wheat Exports, 2002 to 2012

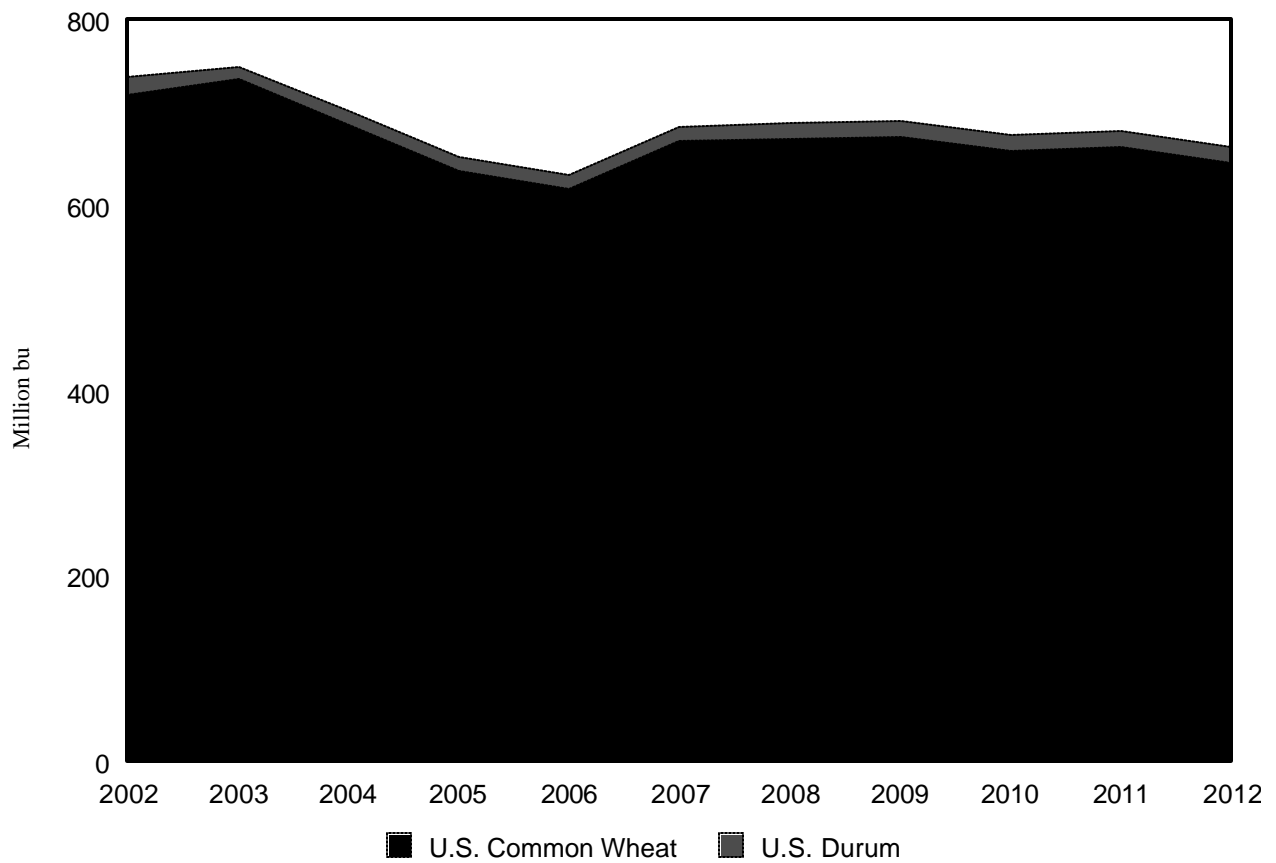


Figure 6. U.S. Wheat Ending Stocks, 2002 to 2012

## Canada

The production and consumption of CWRS wheat in 2002 are expected to be smaller than the 3-year averages (Table 5). Canadian WRS and WAD wheat production is predicted to increase 19.8% and 14.1%, respectively, from the 2000-02 average to 2012. Total area for CWRS wheat is expected to increase from 8.2 million hectares in 2002 to 8.5 million hectares in 2012, while CWAD wheat area is expected to increase from 2.1 million hectares for the 2000-02 average to 2.2 million hectares in 2012.

Domestic consumption of CWRS and CWAD wheat is predicted to increase 6.5% and 16.9%, respectively, for the 2002-2012 period. Canadian WRS wheat exports are projected to increase 4.2% by 2012, and CWAD wheat exports are predicted to increase 5.2% from 3.1 million metric tons for the 2000-02 average to 3.3 million metric tons in 2012.

Ending stocks are predicted to increase 1.5% for CWRS wheat and decrease 29.3% for CWAD wheat for the 2002-2012 period.

Table 5. Wheat Production, Consumption, Exports, and Carry-over Stocks in Canada

	Average (2000-2002)	2002	2012	% Change (2000-02) to 2012
-----thousand metric tons-----				
Production				
WRS	17,490	16,400	20,945	19.8
WAD	3,994	3,280	4,559	14.1
Consumption				
WRS	7,171	7,079	7,640	6.5
WAD	1,083	1,053	1,266	16.9
Exports				
WRS	12,743	11,961	13,273	4.2
WAD	3,110	2,854	3,272	5.2
Carry-over				
WRS	4,809	4,600	4,882	1.5
WAD	1,643	968	1,162	-29.3

Figure 7 shows changes in production, consumption, exports, and ending stocks of CWRS wheat in Canada from 2002 to 2012, and Figure 8 shows those for CWAD wheat. Consumption of CWRS and CWAD wheat increase gradually throughout the period.

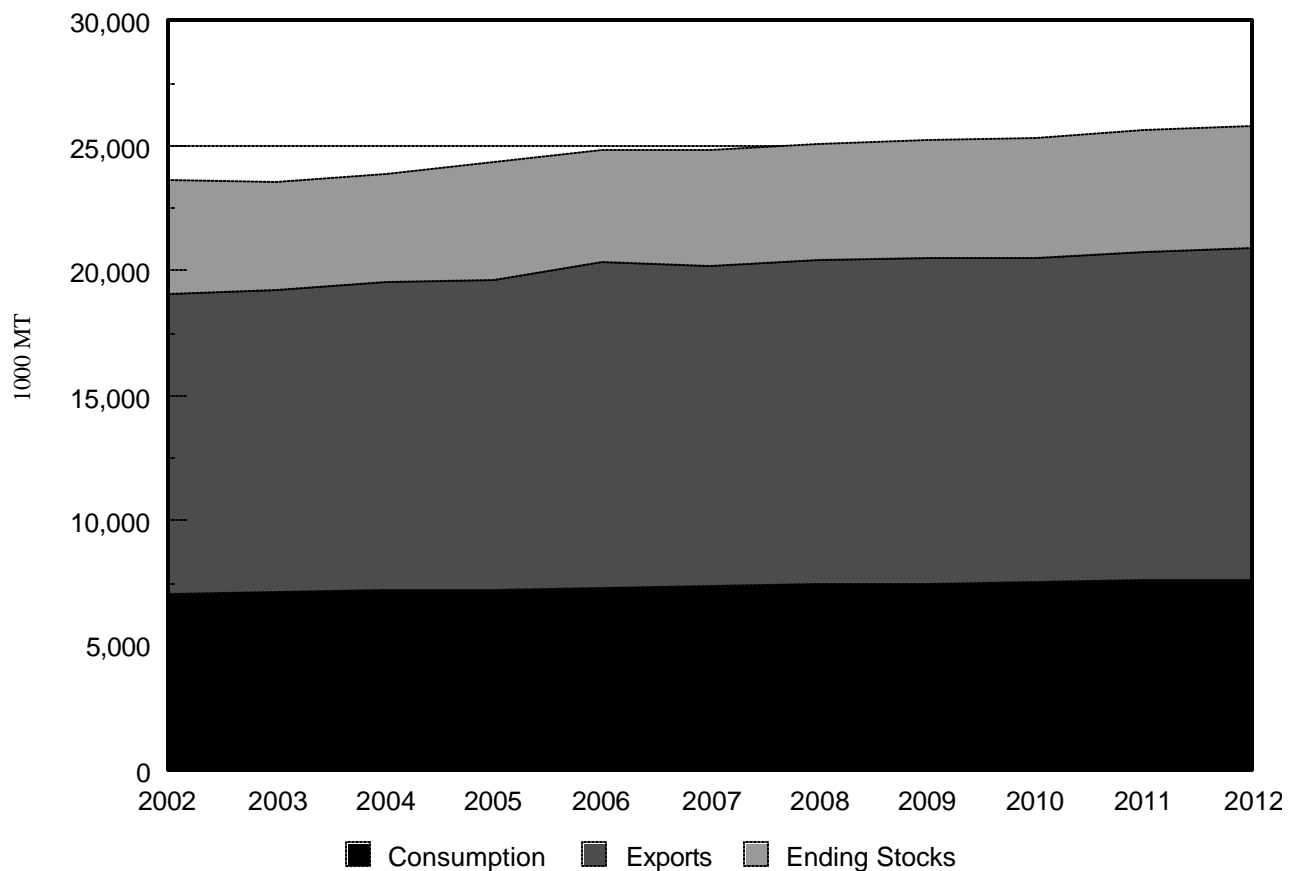


Figure 7. Canadian Western Red Spring Wheat Production and Utilization, 2002 to 2012

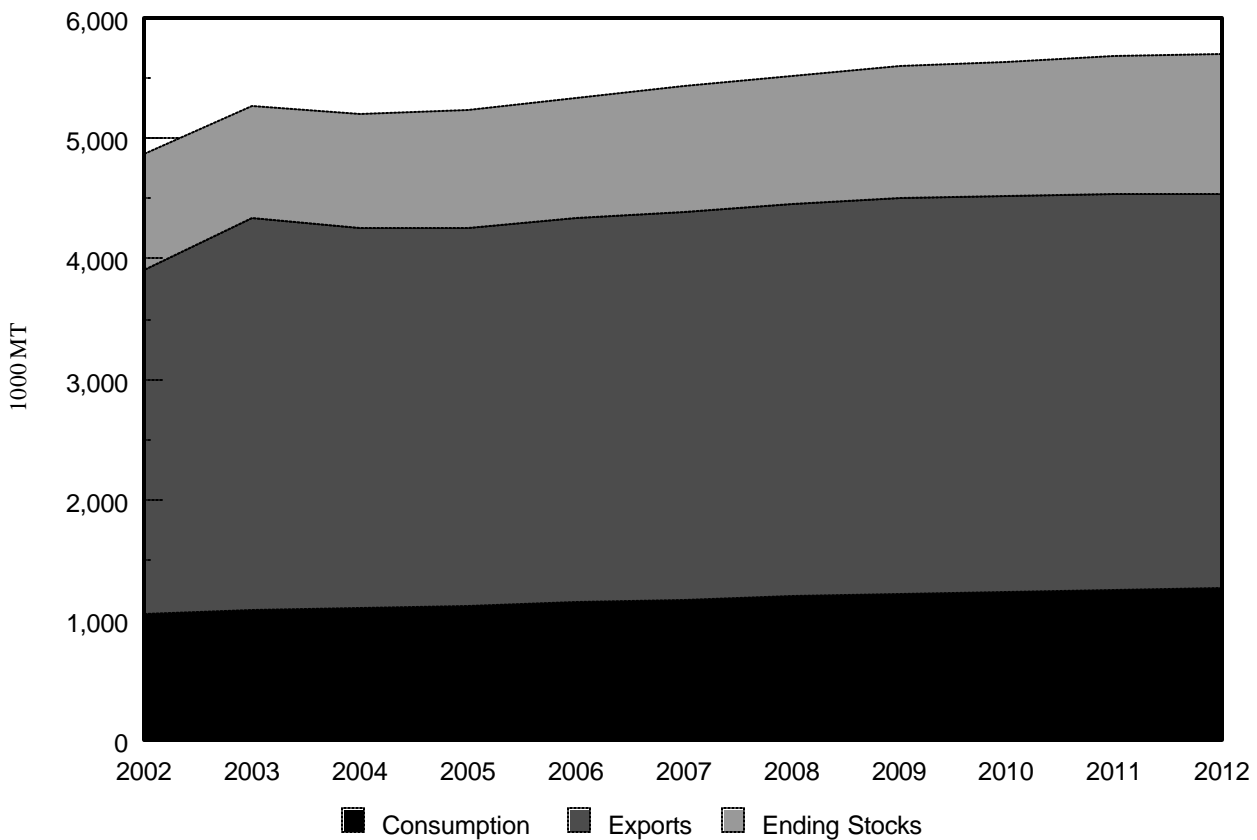


Figure 8. Canadian Western Amber Durum Wheat Production and Utilization, 2002 to 2012

## European Union

Table 6 presents production, consumption, exports, and ending stocks of common and durum wheat in the EU for the 2002-2012 period. Common wheat production in the EU is predicted to increase 3.5% from the 2000-02 average to 2012, while durum wheat production is expected to increase 3.1%.

Domestic consumption of common wheat is projected to increase 0.8% and consumption of durum wheat is predicted remain constant for the period. Exports of common wheat are predicted to increase 13.4% for the 2002-2012 period while exports of durum wheat are expected to decrease. Ending stocks are expected to increase for both classes.

Table 6. Wheat Production, Consumption, Exports, and Carry-over Stocks in the European Union

	Average (2000-2002)	2002	2012	% Change (2000-02) to 2012
-----thousand metric tons-----				
Production				
Common	91,643	95,730	94,878	3.5
Durum	8,107	7,590	8,356	3.1
Consumption				
Common	74,321	74,902	74,918	0.8
Durum	7,618	7,430	7,628	0.1
Exports				
Common	17,490	16,829	19,825	13.4
Durum	733	594	705	-3.8
Carry-over				
Common	12,819	14,000	14,051	9.6
Durum	1,233	1,000	1,375	11.5

Figures 9 and 10 show changes in consumption, exports, and ending stocks of common and durum wheat for the 2002-2012 period. For common wheat, production, exports, and ending stocks are expected to increase. Production, consumption, exports, and ending stocks of durum wheat are also predicted to increase for the period.



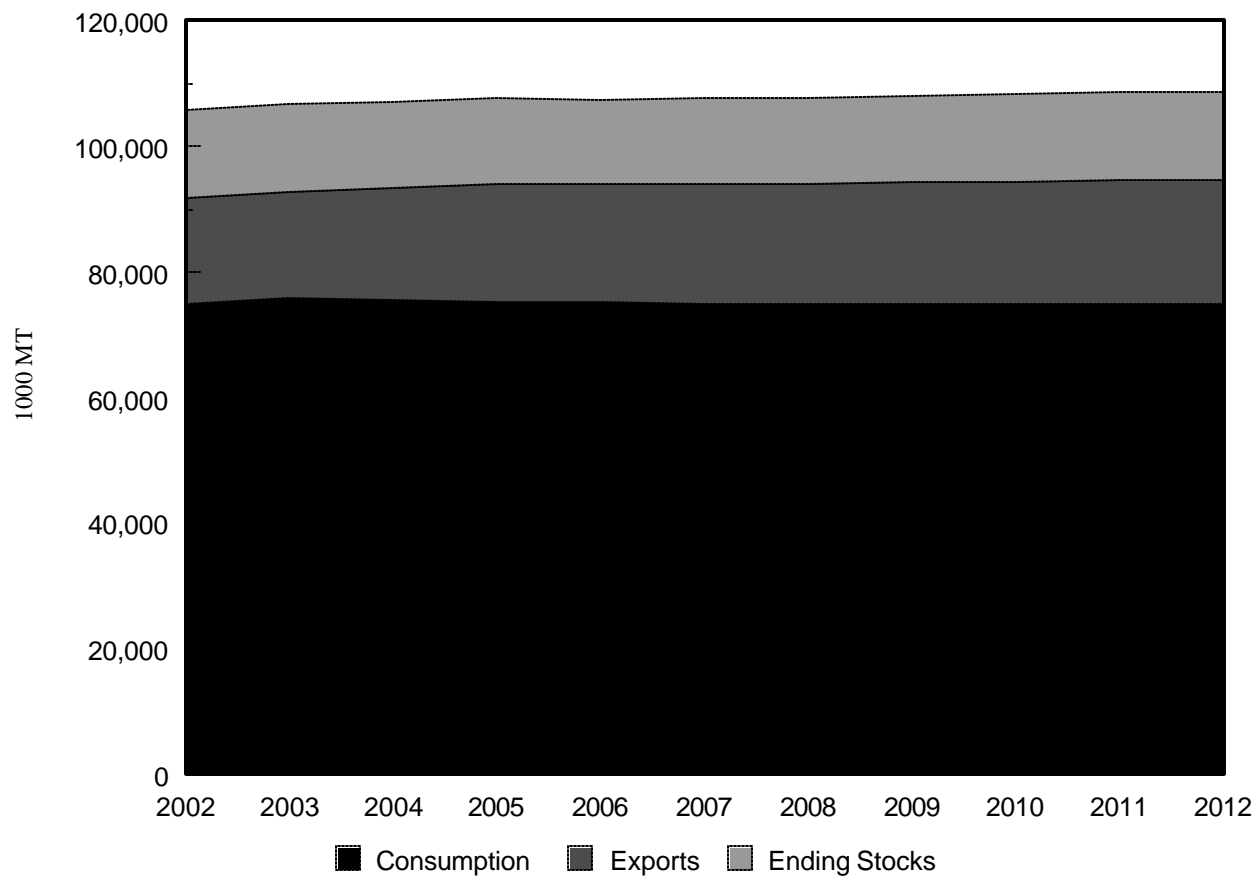


Figure 9. E.U. Common Wheat Production and Utilization, 2002 to 2012

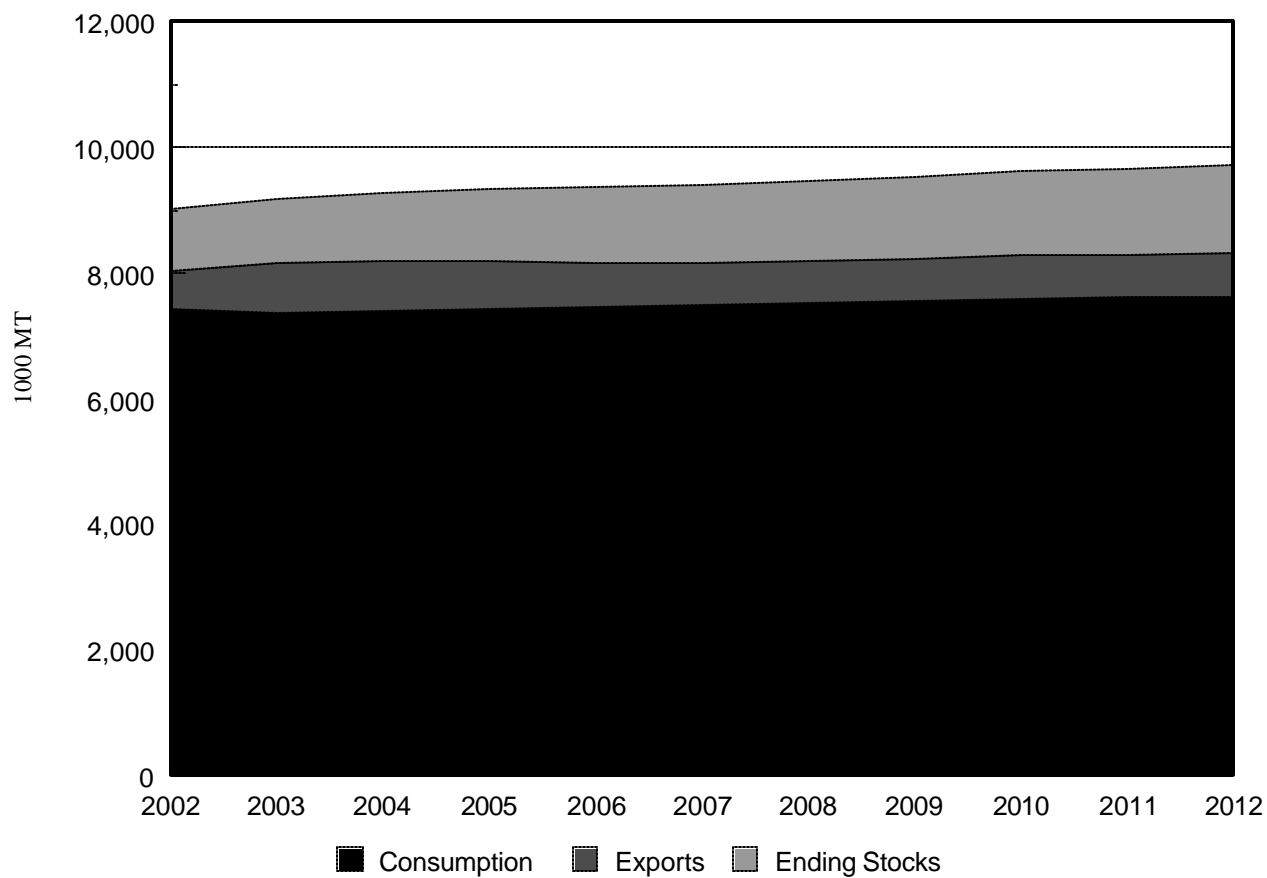


Figure 10. E.U. Durum Wheat Production and Utilization, 2002 to 2012

## Australia

Australia's wheat production is projected to grow 17.2% over the 2002-2012 period, based on the 2000-02 average (Table 7). Yields are expected to increase gradually at the historical trend line, while wheat area is expected to increase 9.6%. Domestic wheat consumption is predicted to increase 10.2% from 6.5 million metric tons for the 2000-02 average to 7.1 million metric tons in 2012. Wheat exports also are predicted to increase from 16.7 million metric tons for the 2000-02 average to 21.0 million metric tons in 2012. Figure 11 shows changes in consumption, exports, and ending stocks for the 2002-2012 period.

Table 7. Wheat Production, Consumption, Exports, and Carry-over Stocks in Australia

	Average (2000-2002)	2002	2012	% Change (2000-02) to 2012
-----thousand metric tons-----				
Production	24,083	24,483	28,230	17.2
Consumption	6,468	6,629	7,128	10.2
Exports	16,653	17,768	21,014	26.2
Carry-over	6,046	6,500	6,591	9.0

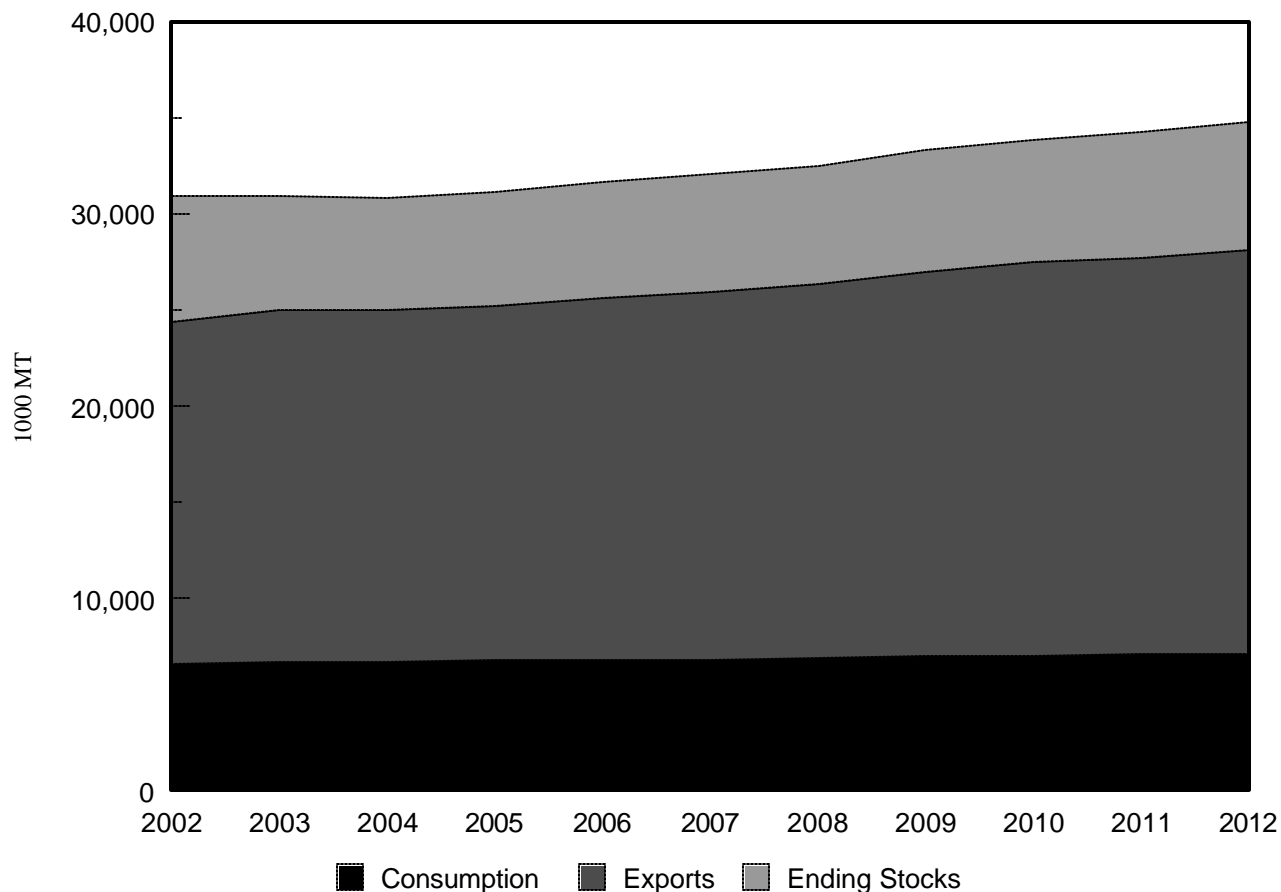


Figure 11. Australia Common Wheat Production and Utilization, 2002 to 2012

## Argentina

Argentinian wheat production is projected to increase 11.6% from 16.5 million metric tons for the 2000-02 average to 18.4 million metric tons in 2012 (Table 8). Domestic wheat consumption is expected to increase 19.9% from 4.9 million metric tons to 5.9 million metric tons. Wheat exports are predicted to total 12.5 million metric tons in 2012, which is a 8.4% increase over the 2000-02 average but a decrease from the 2002 export level. Ending stocks also are expected to increase 23.2%. Figure 12 shows changes in consumption, exports, and ending stocks for the 2002-2012 period.

Table 8. Wheat Production, Consumption, Exports, and Carry-over Stocks in Argentina

	Average (2000-2002)	2002	2012	% Change (2000-02) to 2012
-----thousand metric tons-----				
Production	16,495	17,754	18,404	11.6
Consumption	4,938	4,938	5,920	19.9
Exports	11,508	13,193	12,475	8.4
Carry-over	830	762	1,023	23.2

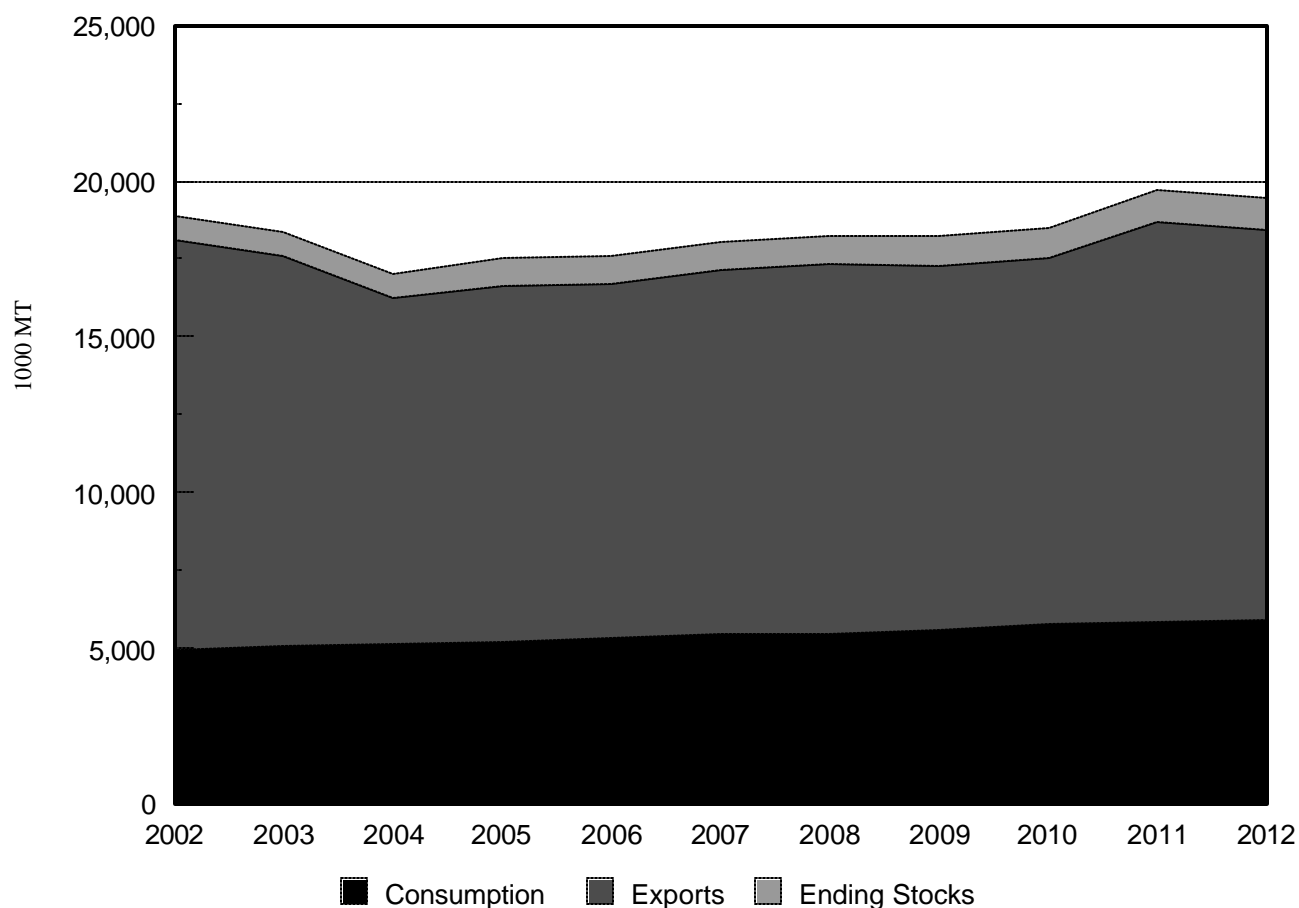


Figure 12. Argentina Common Wheat Production and Utilization, 2002 to 2012

## Former Soviet Union

The FSU became an exporter of wheat in 2001 and is projected to continue exporting wheat (Figure 13). In 2001, the FSU exported 4.6 million metric tons of wheat. By 2012, exports of common wheat will be 5.0 million metric tons (Table 9).

Table 9. Wheat Production and Exports in the Former Soviet Union

	Average (2000-2002)	2002	2012	% Change (2000-02) to 2012
-----thousand metric tons-----				
Production	68,447	71,035	85,744	25.3
Exports of Common	2,701	4,297	5,022	86.0
Exports of Durum	194	303	361	86.1

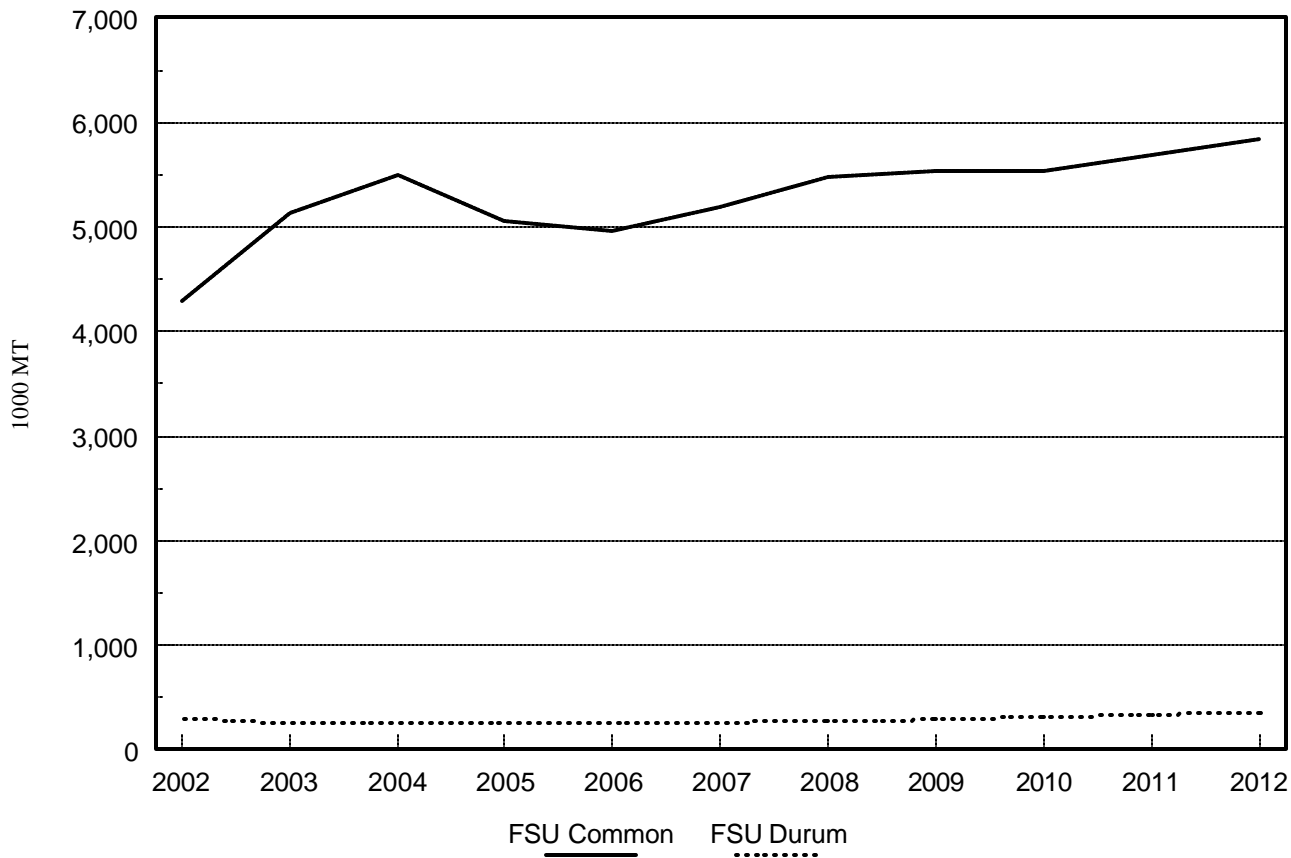


Figure 13. Common and Durum Wheat Exports by Former Soviet Union, 2002 to 2012

## Importing Countries

Importing countries are grouped into the Asian region (China, Japan, Korea, and Taiwan), the African region (Algeria, Egypt, Morocco, and Tunisia), and Latin America (Mexico, Brazil, and Venezuela) (Table 10).

Table 10. Imports of Common and Durum Wheat by Major Importing Countries

Wheat Class	Average (2000-2002)	2002	2012	% Change (2000-02) to 2012
-----thousand metric tons-----				
Asia				
China	-----	-----	2,714	
S.Korea	3,569	3,601	3,964	11.1
Japan	5,837	5,800	6,498	11.3
Taiwan	1,043	1,097	1,178	12.9
North Africa				
Algeria				
Common	2,548	2,305	2,786	9.3
Durum	2,324	2,211	2,745	18.1
Morocco	3,212	3,053	3,986	24.1
Egypt	6,668	6,955	8,123	21.8
Tunisia				
Common	1,200	1,187	1,404	17.0
Durum	463	503	526	13.5
Latin America				
Brazil	6,961	6,900	9,056	30.1
Mexico	2,461	2,371	2,654	7.8
Venezuela				
Common	1,016	983	1,248	22.9
Durum	387	430	476	23.1

### Asian Importers

Asian imports of wheat are projected to increase 38.1% between 2002 and 2012. China has been a net exporter of wheat during the past 3 years, but it is expected to become an importer again in 2003 and increase its imports to 2.7 million metric tons by 2012. China's increase is due to reduced tariffs on wheat based on its trade negotiations with the United States and the EU in order to gain its membership in the World Trade Organization. Japan, Korea, and Taiwan imports are projected to increase 11.3%, 11.1%, and 12.9%, respectively, for the 2002-2012 period (Figure 14).

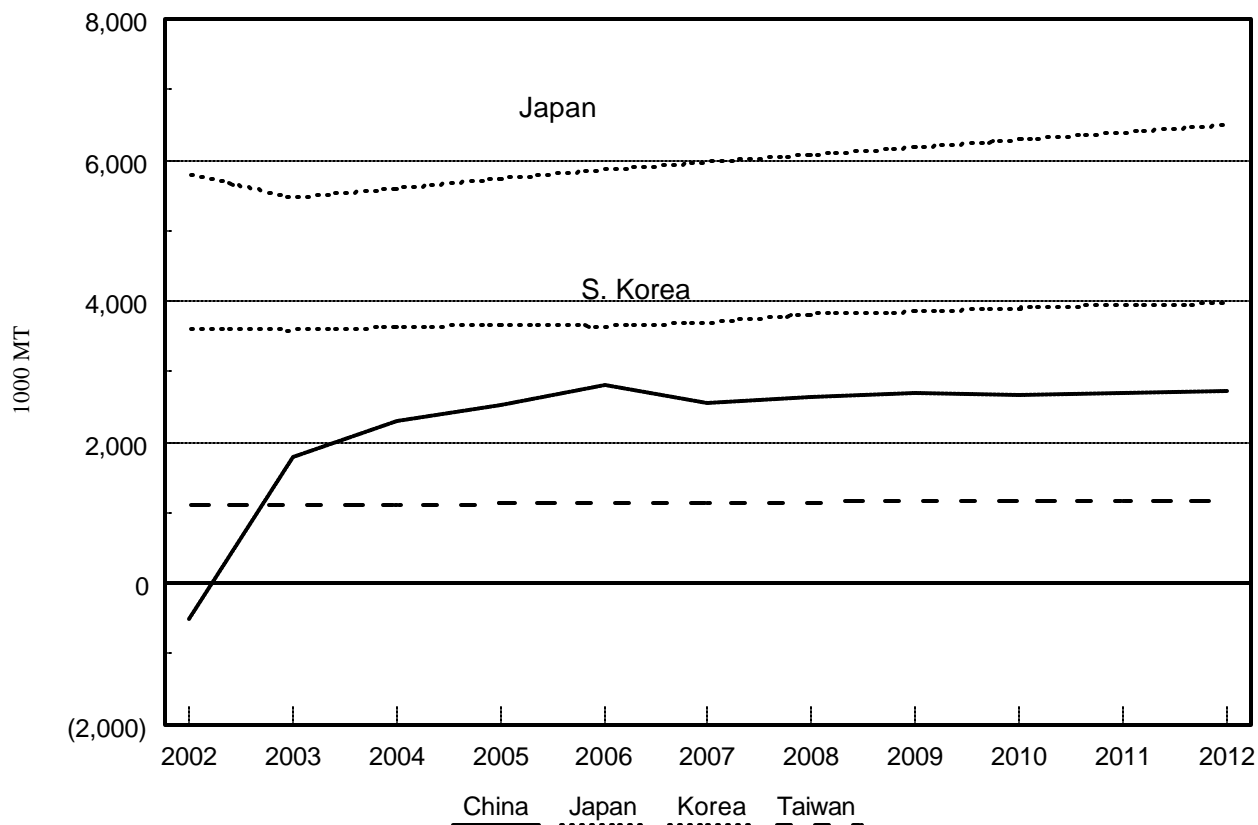


Figure 14. Common Wheat Imports by Major Asian Countries, 2002 to 2012

### African Importers

North African imports of wheat are projected to increase 20.7% between the 2000-02 average and 2012. Egyptian imports of common wheat are projected to increase 21.8%, from 6.7 million metric tons to 8.1 million metric tons, between the 2000-02 average and 2012. Algeria is expected to import both common and durum wheat. Algerian imports of common wheat are projected to increase 9.3% from 2.5 million metric tons for the 2000-02 average to 2.8 million metric tons in 2012, and durum wheat imports are projected to increase 18.1% from 2.3 million metric tons to 2.7 million metric tons. Morocco's imports of common wheat are projected to increase 24.4% from 3.2 million metric tons to 4.0 million metric tons. Tunisian imports of common wheat are projected to increase 17.0%, from 1.2 million metric tons to 1.4 million metric tons, from the 2000-02 average to 2012. Its durum wheat imports are projected to increase 13.5% from the 2000-02 average to 2012 (Figure 15).

### Latin America Importers

Mexican imports are projected to increase 7.8% from 2.5 million metric tons for the 2000-02 average to 2.7 million metric tons in 2012. Venezuela is expected to import more common and durum wheat. Common wheat imports are projected to increase 22.9% from 1.0 million metric tons for the 2000-02 average to 1.2 million metric tons in 2012, and durum wheat imports are projected to increase 23.1% (Figure 16). Brazilian imports are projected to increase 30.1% from 7.0 million metric tons for the 2000-02 average to 9.1 million metric tons in 2012.

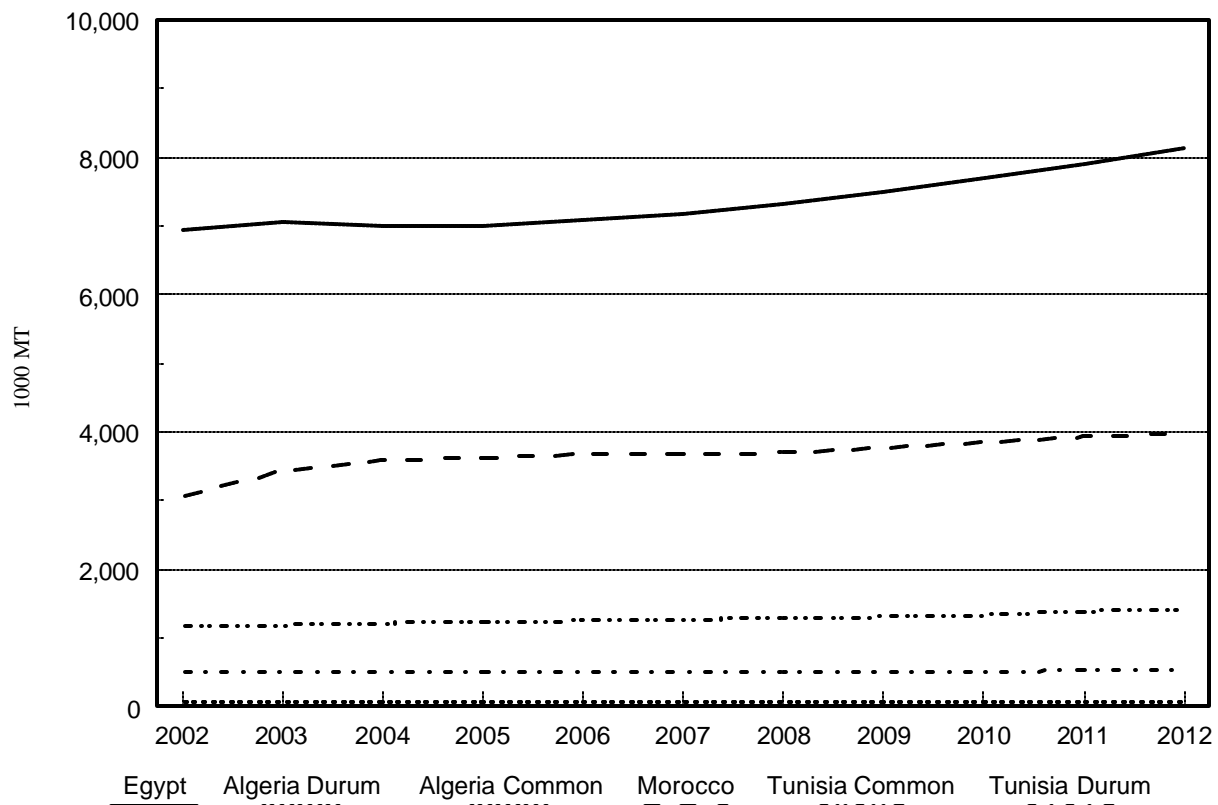


Figure 15. Common and Durum Wheat Imports by Major African Countries, 2002 to 2012

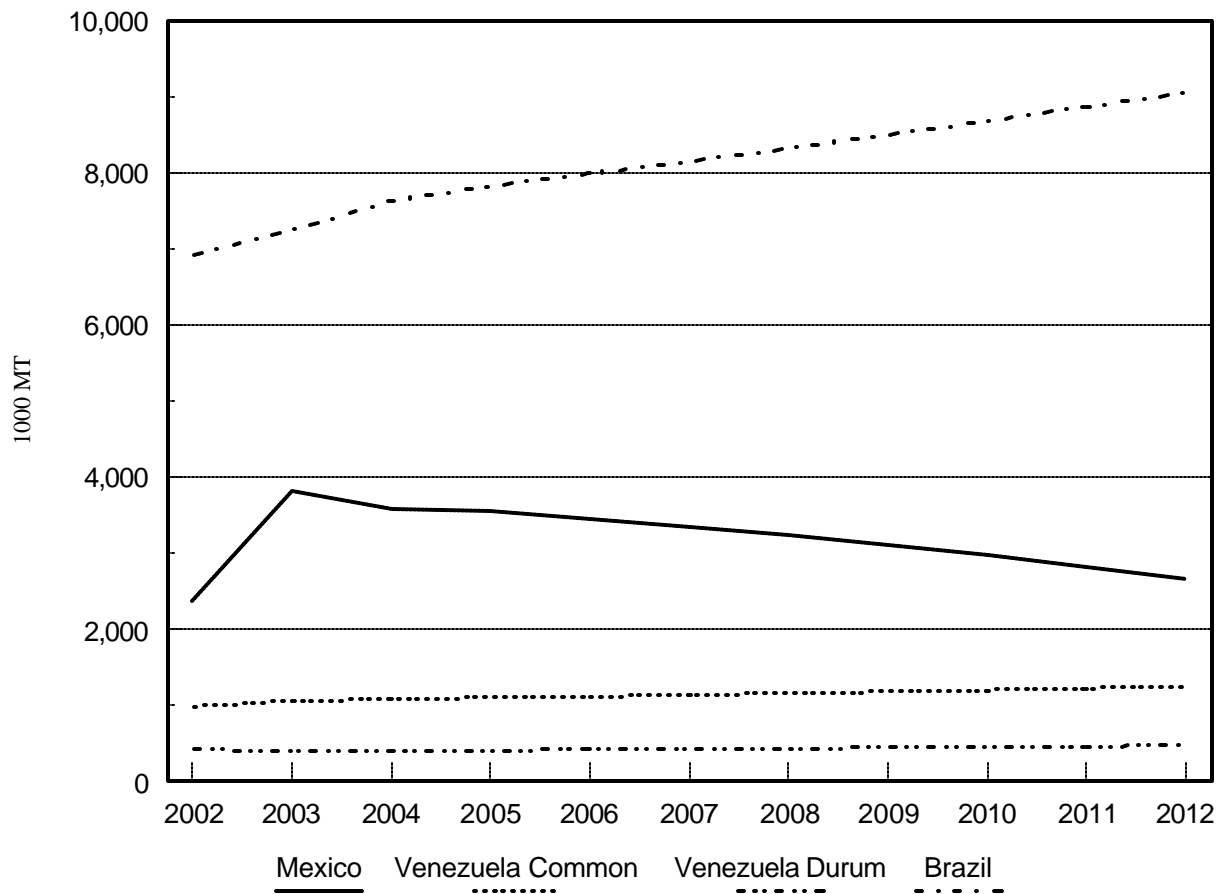


Figure 16. Common and Durum Wheat Imports by Latin American Countries, 2002 to 2012

## CONCLUDING REMARKS

This report evaluates the U.S. and world wheat industries for the 2002-2012 period using the Global Wheat Policy Simulation Model, which is operational at North Dakota State University. The baseline projections are based on a series of assumptions about the general economy, agricultural policies, weather conditions, and technological changes.

Prices for both common wheat and durum wheat are predicted to be lower than the 2002 levels, but increase gradually for the 2002-2012 period. The 2002 prices were much higher due to unfavorable weather conditions. World wheat trade for the 5 major exporters is projected to increase 16.8% from 79.2 million metric tons in 2002 to 93.4 million metric tons in 2012. Durum wheat trade is expected to grow faster than common wheat trade. Because of the weak economic growth in South America and Southeast Asian countries, their import demand for common wheat is expected to be weak for the next few years, but it is expected to recover later in the forecast period.

All exporting countries are predicted to increase their production and exports of common wheat for the 2002-2012 period. World consumption of common wheat is expected to increase faster than world production, resulting in a gradual increase in the world price of common wheat. Production and exports of common wheat in the EU are predicted to grow slower than those in other exporting countries. Production of common wheat in the United States is predicted to grow faster than in other exporting countries.

Common wheat demand in Southeast Asian countries is predicted to grow for the 2002-2012 period. China has been a net exporter of wheat for the last two years, but will become an importer of wheat in the future.

The FSU is predicted to remain an exporter of common wheat for the 2002-2012 period. The region may increase its domestic production of common wheat substantially for the forecasting period.

Egypt, the largest importer of common wheat in the North Africa region, is predicted to increase its imports of common wheat. Import demand for both common and durum wheat in other countries in the region is also expected to increase.

Import demand for common wheat in Brazil, Venezuela, and Mexico is expected to be strong for the 2002-2012 period. Import demand for durum wheat in Venezuela is also predicted to be strong for the forecasting period.

Import demand for both common and durum wheat is largely based on optimistic income growth (2.5% to 6% annually) in developing and developed countries, which was provided by WEFA and Project Link. However, if the predicted income growth is not realized, import demand could grow slower than predicted and estimated prices could be lower.



## References

- Benirschka, Martin, and Won W. Koo. *World Wheat Policy Simulation Model: Description and Computer Program Documentation*. Department of Agricultural Economics, North Dakota State University, Fargo, December 1995.
- Food and Agricultural Policy Research Institute. *FAPRI 2003: U.S. Agricultural Outlook*. Staff Report #1-2003, Iowa State University and University of Missouri-Columbia, January 2003.
- International Monetary Fund. *International Financial Statistics CD-ROM*. Washington, DC, January 2003.
- International Wheat Council. *World Grain Statistics*. London, United Kingdom, various issues.
- Statistics Canada. *Grain Trade of Canada*. Ottawa: Statistics Canada. Catalogue 22-201, annual, various issues.
- United Nations. *FAO Production Yearbook*, various years, Rome, Italy.
- U.S. Department of Agriculture, Agricultural Stabilization and Conservation Service. Program Data (computer files), Washington, DC, 2003.
- U.S. Department of Agriculture, Economic Research Service. *Wheat Situation and Outlook Report*. Washington, DC, various issues.
- U.S. Department of Agriculture, Economic Research Service. *PS&D View* (computer files).



# Appendix

World Wheat Policy Simulation Model (Common Wheat and Durum Wheat)

2003 Baseline Solution

United States - Nominal Market Prices (U.S. dollars/bushel)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
HRW Wheat	3.29	4.16	3.57	3.64	3.69	3.83	3.90	3.88	3.97	4.00	4.02	4.09
Durum Wheat	3.80	4.39	3.85	3.91	4.02	4.11	4.26	4.31	4.38	4.43	4.47	4.50

United States - Nominal Farm Prices (U.S. dollars/bushel)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
HRS Wheat	2.94	4.07	3.65	3.70	3.74	3.84	3.89	3.87	3.94	3.95	3.97	4.02
HRW Wheat	2.71	3.43	2.99	3.04	3.08	3.19	3.24	3.22	3.29	3.31	3.33	3.38
SRW Wheat	2.64	4.05	3.65	3.70	3.73	3.83	3.88	3.86	3.92	3.94	3.96	4.01
White Wheat	3.13	3.69	3.26	3.31	3.34	3.45	3.50	3.48	3.55	3.57	3.59	3.64
Durum Wheat	3.10	4.21	3.81	3.87	3.98	4.07	4.22	4.27	4.34	4.39	4.43	4.46

United States - Wheat Area Planted (million acres)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
HRS Wheat	14.8	14.9	14.9	15.0	15.1	15.2	15.2	15.2	15.2	15.2	15.2	15.3
HRW Wheat	29.0	29.3	30.2	30.4	30.7	30.9	31.3	31.5	31.7	31.9	32.1	32.3
SRW Wheat	8.6	8.3	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.6	8.6
White Wheat	4.3	4.3	4.4	4.2	4.3	4.3	4.4	4.4	4.4	4.4	4.5	4.5
Durum Wheat	2.9	3.0	3.0	3.4	3.6	3.8	3.8	3.8	3.8	3.6	3.5	3.3
All Wheat	59.6	59.8	60.9	61.5	62.2	62.7	63.1	63.4	63.5	63.8	63.8	63.8

United States - All Wheat Seed Use (bushels/acre planted)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
All Wheat	1.81	1.84	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81

United States - Wheat Seed Use (million bushels)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	102.7	106.5	105.1	106.0	106.5	107.2	107.8	108.1	108.7	109.1	109.5	109.8
Durum Wheat	5.4	5.6	6.1	6.5	6.8	6.9	6.9	6.8	6.6	6.3	5.9	5.3
All Wheat	108.1	112.1	111.2	112.5	113.4	114.1	114.7	114.9	115.3	115.5	115.5	115.1

United States - Wheat Area Harvested (million acres)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Hard Red Spring	13.8	14.1	14.1	14.2	14.3	14.4	14.5	14.6	14.8	15.0	15.1	15.2
Hard Red Winter	20.9	22.2	23.0	23.3	23.6	23.8	24.2	24.5	24.6	24.8	25.0	25.2
Soft Red Winter	7.2	6.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.1	7.1
White	4.1	4.1	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.4
Durum	2.8	2.8	2.8	3.1	3.3	3.4	3.5	3.5	3.4	3.4	3.4	3.4
All Wheat	48.7	49.5	51.3	51.9	52.6	53.0	53.5	53.9	54.3	54.7	55.0	55.3

United States - Wheat Yield (bushels/acre harvested)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Hard Red Spring	34.59	28.20	32.49	32.93	33.09	33.15	33.43	33.88	34.50	34.69	34.95	35.19
Hard Red Winter	36.74	31.07	36.59	38.68	39.49	39.81	40.16	40.31	40.38	40.44	40.48	40.51
Soft Red Winter	55.75	49.80	55.98	56.07	56.21	56.33	56.36	56.54	56.42	56.49	56.45	56.48
White	56.91	57.01	58.18	58.54	58.74	59.08	59.78	59.88	60.35	60.61	61.14	61.88
Durum	30.00	29.40	32.55	32.61	32.87	33.10	33.25	33.66	34.30	34.58	34.80	34.86
All Wheat	40.23	34.69	39.73	40.74	41.14	41.33	41.60	41.84	42.07	42.18	42.32	42.45

United States - Wheat Production (million bushels)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Hard Red Spring	475.7	397.6	458.4	468.3	474.3	477.1	485.1	494.7	512.1	519.2	526.2	534.6
Hard Red Winter	766.8	689.8	843.3	902.0	931.7	948.9	970.8	985.5	993.1	1004.7	1013.6	1021.9
Soft Red Winter	399.7	313.7	393.0	393.3	394.3	395.4	394.9	398.0	396.8	398.9	399.8	400.5
White	232.0	233.7	252.9	251.3	253.7	255.7	259.9	260.9	263.2	265.3	268.2	271.6
Durum	83.6	81.4	90.7	100.6	108.1	113.9	115.5	116.9	118.2	118.3	118.2	117.4
All Wheat	1957.8	1716.3	2038.3	2115.4	2162.1	2190.9	2226.1	2256.0	2283.4	2306.3	2325.9	2346.1

United States - Common Wheat Supply and Utilization (million bushels)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Carry-in Stocks	831.0	675.0	718.0	736.3	686.2	636.3	616.5	669.0	671.3	673.7	657.8	663.3
Production	1874.0	1834.6	1947.6	2014.8	2054.0	2077.0	2110.7	2139.1	2165.2	2188.1	2207.7	2228.6
Net Exports	870.0	714.0	880.8	969.1	960.3	947.1	886.2	934.5	928.8	952.9	923.6	950.5
Exports	930.0	774.0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Imports	60.0	60.0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	1167.0	1181.1	1048.5	1095.8	1143.6	1149.7	1171.8	1202.3	1234.0	1251.2	1278.5	1296.3
Food	829.6	837.3	823.4	839.0	852.3	862.5	873.0	884.1	895.3	907.0	919.0	931.5
Seed	102.7	106.5	105.1	106.0	106.5	107.2	107.8	108.1	108.7	109.1	109.5	109.8
Feed	234.7	237.3	119.9	150.8	184.9	180.0	191.0	210.0	230.0	235.0	250.0	255.0
Carry-out Stocks	675.0	718.0	736.3	686.2	636.3	616.5	669.0	671.3	673.7	657.8	663.3	645.1

United States - Common Wheat Stocks-to-Use Ratio (percent) and Per Capita Food Use (bushels)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Per Capita Food Use	2.97	2.97	2.90	2.92	2.94	2.95	2.96	2.97	2.98	3.00	3.01	3.02
Stocks-to-Use Ratio	57.84	60.79	70.23	62.63	55.64	53.62	57.09	55.84	54.60	52.57	51.88	49.76

United States - Durum Wheat Supply and Utilization (million bushels)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Carry-in Stocks	45.0	26.0	20.0	13.1	16.0	15.6	16.4	15.6	17.1	17.3	17.2	17.4
Production	84.0	81.4	90.7	100.6	108.1	113.9	115.5	116.9	118.2	118.3	118.2	117.4
Net Exports	10.0	25.0	19.4	18.5	28.8	33.0	36.6	34.6	36.7	36.2	34.8	32.5
Exports	45.0	55.0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Imports	35.0	30.0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	86.0	82.0	78.2	79.2	79.6	80.2	79.6	80.8	81.3	82.2	83.2	84.0
Food	80.6	76.4	72.1	72.7	72.8	73.3	72.8	74.0	74.7	75.8	77.3	78.7
Seed	5.4	5.6	6.1	6.5	6.8	6.9	6.9	6.8	6.6	6.3	5.9	5.3
Feed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carry-out Stocks	26.0	20.0	13.1	16.0	15.6	16.4	15.6	17.1	17.3	17.2	17.4	18.3

United States - Durum Wheat Stocks-to-Use Ratio (percent) and Per Capita Food Use (bushels)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Per Capita Food Use	0.29	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.26
Stocks-to-Use	30.23	24.39	16.77	20.21	19.63	20.40	19.56	21.14	21.26	20.92	20.91	21.81

United States - All Wheat Supply and Utilization (million bushels)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Carry-in Stocks	876.0	701.0	738.0	749.4	702.3	651.9	632.8	684.6	688.4	691.0	674.9	680.7
Production	1958.0	1716.3	2038.3	2115.4	2162.1	2190.9	2226.1	2256.0	2283.4	2306.3	2325.9	2346.1
Net Exports	880.0	855.0	900.2	987.6	989.2	947.5	868.9	896.0	881.3	872.6	828.4	832.7
Exports	975.0	950.0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Imports	95.0	95.0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	1253.0	1263.1	1126.7	1175.0	1223.2	1262.6	1305.5	1356.2	1399.5	1449.8	1491.8	1530.7

Food	910.2	913.8	895.5	911.7	925.0	935.8	945.8	958.1	970.0	982.8	996.3	1010.2
Seed	108.1	112.1	111.2	112.5	113.4	114.1	114.7	114.9	115.3	115.5	115.5	115.1
Feed	234.7	237.3	119.9	150.8	184.9	212.6	245.0	283.1	314.2	351.5	380.1	405.4
Carry-out Stocks	701.0	738.0	749.4	702.3	651.9	632.8	684.6	688.4	691.0	674.9	680.7	663.4

United States - All Wheat Stocks-to-Use Ratio (percent) and Per Capita Food Use (bushels)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Per Capita Food Use	3.26	3.24	3.15	3.18	3.19	3.20	3.21	3.22	3.23	3.25	3.26	3.28
Stocks-to-Use Ratio	55.95	58.43	66.52	59.77	53.29	50.12	52.44	50.76	49.38	46.55	45.63	43.34

United States - Wheat Net Exports (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	23678	19432	23973	26376	26136	25776	24120	25433	25278	25934	25137	25869
Durum Wheat	272	680	527	503	784	898	996	941	998	985	948	886

Canada - Nominal Wheat Export Prices (Canadian dollars/metric ton)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	187.00	264.27	213.70	208.77	209.70	215.97	217.95	214.40	217.66	216.83	215.98	217.76
Durum Wheat	272.84	295.55	240.41	234.33	239.26	242.44	249.67	249.91	251.46	251.62	250.43	249.24

Canada - Nominal Wheat Export Prices (US dollar/bushel)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Spring Wheat	3.29	4.60	3.92	4.00	4.06	4.22	4.30	4.27	4.38	4.41	4.44	4.52
Durum Wheat	4.80	5.14	4.41	4.49	4.63	4.74	4.93	4.98	5.06	5.12	5.14	5.17

Canada - Nominal Domestic Prices (Canadian dollars/metric ton)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Spring Wheat	217.00	220.00	175.75	179.30	181.67	188.77	192.32	191.14	195.88	197.06	198.24	201.80
Durum Wheat	277.90	258.00	195.76	198.88	204.09	208.26	215.55	217.63	220.76	222.84	223.88	224.92

Canada - Nominal Domestic Prices (US dollar/bushel)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Spring Wheat	3.82	3.83	3.22	3.44	3.51	3.69	3.79	3.81	3.94	4.01	4.07	4.19
Durum Wheat	4.89	4.49	3.59	3.81	3.95	4.07	4.25	4.34	4.44	4.53	4.60	4.67

Canada - Wheat Seed Use (metric tons/hectare harvested)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
CWRS Wheat	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
CWAD Wheat	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
All Wheat	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

Canada - Wheat Area Harvested (1000 hectares)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
CWRS Wheat	8565	8200	8354	8453	8540	8531	8588	8553	8507	8509	8507	8506
CWAD Wheat	2100	2050	2129	2118	2114	2142	2166	2188	2206	2205	2205	2197
All Wheat	10665	10250	10482	10572	10654	10672	10754	10741	10713	10714	10711	10704

## Canada - Wheat Yield (metric tons/hectare)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
CWRS Wheat	2.00	2.00	2.27	2.32	2.34	2.36	2.38	2.39	2.41	2.43	2.44	2.46
CWAD Wheat	1.50	1.60	2.02	2.02	2.03	2.04	2.04	2.05	2.06	2.06	2.07	2.07
All Wheat	1.85	1.92	2.22	2.26	2.28	2.29	2.31	2.32	2.34	2.35	2.37	2.38

## Canada - Canadian Western Red Spring Wheat Supply and Utilization (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Carry-in Stocks	4626	5200	4600	4279	4357	4684	4462	4644	4705	4698	4809	4851
Production	16714	16400	18929	19591	19980	20113	20398	20464	20501	20655	20797	20945
Net Exports	13000	11961	12117	12313	12395	13021	12843	12979	13030	13011	13170	13273
Exports	13000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Imports	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	7008	7079	7133	7200	7258	7315	7372	7424	7478	7532	7586	7640
Food	2388	2444	2479	2513	2546	2578	2613	2646	2677	2708	2737	2766
Seed	820	835	845	854	853	859	855	851	851	851	851	854
Feed	3800	3800	3809	3833	3858	3878	3903	3928	3950	3974	3998	4021
Carry-out Stocks	5200	4600	4279	4357	4684	4462	4644	4705	4698	4809	4851	4882

## Canada - Western Red Spring Wheat Stocks-to-Use Ratio (percent) Per Capita Food Use (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Per Capita Food Use	75.49	76.50	76.87	77.20	77.53	77.80	78.17	78.45	78.72	79.00	79.27	79.51
Stocks to Use Ratio	74.20	64.98	59.99	60.52	64.54	60.99	63.00	63.37	62.82	63.85	63.94	63.89

## Canada - Canadian Western Amber Durum Wheat Supply and Utilization (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Carry-in Stocks	2862	1100	968	927	948	981	1009	1043	1069	1094	1119	1142
Production	3054	3280	4297	4285	4291	4360	4424	4482	4534	4545	4559	4559
Net Exports	3000	2854	3259	3168	3137	3193	3224	3266	3301	3291	3287	3272
Exports	3000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Imports	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	1124	1053	1078	1096	1121	1140	1165	1190	1208	1230	1249	1266
Food	165	103	121	132	141	151	160	171	181	193	204	215
Seed	144	149	148	148	150	152	153	154	154	154	154	153
Feed	815	801	809	817	830	837	852	865	873	883	891	898
Carry-out Stocks	1100	968	927	948	981	1009	1043	1069	1094	1119	1142	1162

## Canada - Western Amber Durum Wheat Stocks-to-Use Ratio (percent) Per Capita Food Use (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Per Capita Food Use	5.23	3.22	3.75	4.05	4.30	4.55	4.80	5.07	5.33	5.62	5.91	6.19
Stocks to Use Ratio	97.87	91.96	85.97	86.47	87.47	88.50	89.50	89.85	90.53	90.99	91.38	91.83

## Canada - All Wheat Supply and Utilization (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Carry-in Stocks	7488	6300	5568	5206	5305	5665	5470	5687	5774	5791	5928	5992
Production	19768	19680	23225	23876	24271	24473	24822	24946	25035	25201	25356	25503
Net Exports	16000	14815	15376	15481	15532	16214	16067	16245	16332	16302	16457	16545
Exports	16000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Imports	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	8132	8131	8211	8296	8379	8454	8537	8615	8687	8762	8835	8906
Food	2553	2546	2600	2644	2688	2729	2774	2817	2859	2900	2942	2981

Seed	964	984	994	1002	1003	1010	1008	1005	1005	1005	1004	1007
Feed	4615	4601	4618	4650	4688	4715	4755	4793	4823	4857	4889	4918
Carry-out Stocks	6300	5568	5206	5305	5665	5470	5687	5774	5791	5928	5992	6044

Canada - All Wheat Stocks-to-Use Ratio (percent) Per Capita Food Use (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Per Capita Food Use	80.72	79.72	80.62	81.25	81.83	82.35	82.97	83.52	84.06	84.62	85.19	85.70
Stocks to Use Ratio	77.47	68.47	63.40	63.95	67.61	64.70	66.62	67.03	66.67	67.66	67.82	67.86

Canada - Wheat Exports (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	13000	11961	12117	12313	12395	13021	12843	12979	13030	13011	13170	13273
Durum Wheat	3000	2854	3259	3168	3137	3193	3224	3266	3301	3291	3287	3272

European Union - Nominal Producer Prices (ECU/metric ton)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	124.90	133.27	128.64	130.63	132.33	133.96	135.56	137.12	138.64	140.16	141.66	143.15
Durum Wheat	153.30	155.92	157.66	157.58	156.84	156.33	155.87	155.54	155.22	155.01	154.80	154.60

European Union - Wheat Area Harvested (1000 hectares)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	13595	13744	13987	14106	14133	14125	14107	14085	14064	14044	14026	14010
Durum Wheat	2900	2811	3006	3013	3006	2998	2992	2996	3005	3013	3017	3022
All Wheat	16495	16555	16992	17119	17139	17124	17099	17081	17068	17057	17043	17032

European Union - Wheat Yield (metric tons/hectare)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	6.13	6.20	6.62	6.62	6.65	6.65	6.68	6.69	6.71	6.73	6.75	6.77
Durum Wheat	2.70	2.70	2.72	2.74	2.74	2.74	2.74	2.75	2.75	2.76	2.76	2.77
All Wheat	5.53	6.24	5.93	5.94	5.96	5.96	5.99	6.00	6.02	6.03	6.04	6.06

European Union - Common Wheat Supply and Utilization (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Carry-in Stocks	14456	10000	14000	13708	13607	13564	13551	13575	13636	13706	13801	13917
Production	83368	95730	92617	93376	93980	93862	94178	94241	94413	94544	94712	94878
Net Exports	16664	16829	17183	17905	18681	18744	19152	19240	19482	19603	19731	19825
Exports	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Imports	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	71160	74902	75726	75572	75342	75131	75002	74940	74861	74846	74865	74918
Food	41160	40902	41159	41262	41298	41311	41402	41523	41622	41751	41912	42106
Feed	30000	34000	34567	34309	34044	33820	33600	33417	33239	33095	32953	32812
Carry-out Stocks	10000	14000	13708	13607	13564	13551	13575	13636	13706	13801	13917	14051

European Union - Common Wheat Stocks-to-Use Ratio (percent) Per Capita Food Use (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Per Capita Food Use	108.94	108.00	108.44	108.49	108.37	108.22	108.30	108.46	108.59	108.81	109.13	109.55
Stocks to Use Ratio	14.05	18.69	18.10	18.01	18.00	18.04	18.10	18.20	18.31	18.44	18.59	18.76

European Union - Durum Wheat Supply and Utilization (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Carry-in Stocks	1500	1200	1000	1010	1095	1153	1205	1243	1280	1304	1328	1351
Production	7830	7590	8167	8267	8237	8216	8197	8237	8255	8309	8314	8356



Net Exports	730	594	785	783	745	701	666	678	682	711	690	705
Exports	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Imports	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	7400	7430	7371	7400	7434	7463	7493	7522	7549	7575	7601	7628
Food	7400	7430	7371	7400	7434	7463	7493	7522	7549	7575	7601	7628
Feed	0	0	0	0	0	0	0	0	0	0	0	0
Carry-out Stocks	1200	1000	1010	1095	1153	1205	1243	1280	1304	1328	1351	1375

European Union - Durum Wheat Stocks-to-Use Ratio (percent) Per Capita Food Use (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Per Capita Food Use	19.59	19.62	19.42	19.45	19.51	19.55	19.60	19.65	19.69	19.74	19.79	19.84
Stocks to Use Ratio	16.22	13.46	13.70	14.80	15.51	16.15	16.59	17.01	17.28	17.53	17.77	18.03

European Union - All Wheat Supply and Utilization (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Carry-in Stocks	15700	12590	15000	14718	14702	14717	14756	14818	14915	15011	15129	15268
Production	91198	103320	100783	101643	102216	102078	102375	102477	102669	102852	103026	103234
Net Exports	4970	17423	17968	18687	19426	19445	19819	19918	20164	20314	20422	20530
Exports	33300	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Imports	28330	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	89890	82332	83097	82972	82776	82594	82494	82462	82409	82420	82466	82545
Food	48560	48332	48531	48662	48732	48773	48895	49045	49171	49326	49513	49733
Feed	30000	34000	34567	34309	34044	33820	33600	33417	33239	33095	32953	32812
Carry-out Stocks	12590	15000	14718	14702	14717	14756	14818	14915	15011	15129	15268	15426

European Union - All Wheat Stocks-to-Use Ratio (percent) Per Capita Food Use (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Per Capita Food Use	128.53	127.62	127.86	127.94	127.88	127.77	127.90	128.11	128.29	128.55	128.92	129.39
Stocks to Use Ratio	14.01	18.22	17.71	17.72	17.78	17.87	17.96	18.09	18.21	18.36	18.51	18.69

European Union - Wheat Net Exports (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	16664	16829	17183	17905	18681	18744	19152	19240	19482	19603	19731	19825
Durum Wheat	730	594	785	783	745	701	666	678	682	711	690	705

Australia - Nominal Wheat Export Prices (Australian dollars/metric ton)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
U.S. HRW	164.85	230.76	196.86	201.14	204.02	212.32	216.43	215.00	220.32	221.44	222.48	226.14
U.S. Durum	240.53	258.07	221.47	225.77	232.77	238.35	247.94	250.60	254.53	256.98	257.96	258.84

Australia - Nominal Domestic Prices (Australian dollars/metric ton)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	159.30	215.75	186.67	190.34	192.81	199.93	203.46	202.23	206.79	207.76	208.65	211.79

Australia - Wheat Area Harvested (1000 hectares), Yield (metric tons/hectare), and Production (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
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Area Harvested	12500	12702	12693	12797	12893	12976	13070	13163	13258	13360	13454	13536
Yield	1.92	1.93	1.93	1.95	1.96	1.98	1.99	2.01	2.04	2.06	2.07	2.09
Production	24000	24483	24446	24909	25276	25646	26032	26424	27084	27555	27808	28230

Australia - Wheat Supply and Utilization (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Carry-in Stocks	5223	6414	6500	5942	5883	5946	6018	6107	6218	6311	6406	6504
Production	24000	24483	24446	24909	25276	25646	26032	26424	27084	27555	27808	28230
Net Exports	16334	17768	18349	18262	18450	18790	19111	19392	20033	20438	20626	21014
Consumption	6475	6629	6655	6705	6764	6784	6833	6920	6959	7021	7084	7128
Food	3206	3229	3189	3207	3233	3224	3241	3293	3302	3331	3360	3372
Feed	3450	3400	3466	3498	3531	3560	3592	3626	3657	3690	3724	3757
Carry-out Stocks	6414	6500	5942	5883	5946	6018	6107	6218	6311	6406	6504	6591

Australia - Wheat Stocks-to-Use Ratio (percent) and Per Capita Food Use (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Per Capita Food Use	168.39	168.39	165.11	164.90	165.08	163.51	163.29	164.89	164.26	164.70	165.16	164.78
Stocks-to-Use Ratio	99.06	98.05	89.28	87.74	87.91	88.71	89.37	89.86	90.68	91.24	91.80	92.46

Argentina - Wheat Area Planted and Harvested (1000 hectares), Yield (metric tons/hectare), and Production (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Area Planted	7311	7500	7429	6834	7007	7015	7178	7232	7209	7284	7753	7613
Area Harvested	6800	7102	7035	6478	6640	6647	6800	6850	6829	6899	7339	7208
Yield	2.28	2.50	2.50	2.51	2.51	2.52	2.53	2.53	2.54	2.54	2.55	2.55
Production	15500	17754	17610	16250	16693	16749	17173	17338	17323	17538	18698	18404

Argentina - Wheat Supply and Utilization (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Carry-in Stocks	589	1139	762	785	818	850	893	924	939	959	995	1015
Production	15500	17754	17610	16250	16693	16749	17173	17338	17323	17538	18698	18404
Net Exports	10065	13193	12538	11086	11453	11367	11705	11842	11732	11703	12826	12475
Exports	10075	13203	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Imports	10	10	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	4885	4938	5050	5130	5208	5340	5436	5482	5571	5798	5852	5920
Carry-out Stocks	1139	762	785	818	850	893	924	939	959	995	1015	1023

Argentina - Wheat Stocks-to-Use Ratio (percent) and Per Capita Consumption (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Per Capita Consumption	131.30	131.30	132.86	133.57	134.26	136.33	137.47	137.36	138.33	142.74	142.87	143.36
Stocks-to-Use Ratio	23.32	15.43	15.53	15.95	16.33	16.72	17.01	17.13	17.21	17.17	17.34	17.28

Algeria - Wheat Production (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	1210.0	1234.0	1248.8	1263.7	1278.96	1294.3	1309.8	1325.5	1341.4	1357.5	1373.8	1390.3
	0	0	1	9		1	4	6	6	6	5	4
Durum Wheat	800.00	816.00	828.24	840.66	853.27	866.07	879.06	892.25	905.63	919.22	933.01	947.00
All Wheat	2010.0	2050.0	2077.0	2104.4	2132.23	2160.3	2188.9	2217.8	2247.1	2276.7	2306.8	2337.3
	0	0	5	6		8	0	1	0	8	6	4

Algeria - Per Capita Wheat Production (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	36.94	36.93	36.67	36.43	36.21	36.02	35.85	35.69	35.56	35.44	35.34	35.23
Durum Wheat	24.42	24.42	24.32	24.23	24.16	24.10	24.06	24.03	24.00	24.00	24.00	24.00

Algeria - Per Capita Wheat Imports (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	68.84	69.00	69.16	69.32	69.48	69.64	69.80	69.96	70.12	70.28	70.44	70.60
Durum Wheat	65.85	66.18	66.51	66.84	67.17	67.51	67.85	68.19	68.53	68.87	69.22	69.56

Algeria - Wheat Imports (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	2300.0	2305.2	2355.1	2404.7	2453.66	2502.1	2550.2	2598.0	2645.4	2692.0	2738.7	2785.9
	0	9	9	5		0	4	2	0	5	2	2
Durum Wheat	2200.0	2211.0	2264.9	2318.8	2372.37	2425.7	2479.0	2532.3	2585.4	2638.1	2691.0	2744.8
	0	0	4	3		2	5	0	3	1	7	3
All Wheat	4500.0	4516.2	4620.1	4723.5	4826.04	4927.8	5029.2	5130.3	5230.8	5330.1	5429.7	5530.7
	0	9	3	8		2	8	3	3	6	9	4

Brazil - Wheat Area Harvested (1000 hectares), Yield (metric tons/hectare), and Production (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Area Harvested	1725	1700	1736	1751	1757	1760	1761	1761	1762	1762	1762	1762
Yield	1.88	1.40	1.43	1.42	1.42	1.42	1.43	1.42	1.43	1.43	1.44	1.44
Production	3250	2380	2479	2491	2488	2498	2514	2507	2511	2527	2536	2531

Brazil - Wheat Supply and Utilization (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Carry-in Stocks	650	900	1280	1038	1028	1041	1058	1066	1065	1063	1073	1085
Production	3250	2380	2479	2491	2488	2498	2514	2507	2511	2527	2536	2531
Net Imports	6781	6900	7244	7628	7822	7987	8138	8315	8492	8675	8860	9056
Exports	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Imports	6781	8200	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	9781	9800	9965	10130	10297	10468	10643	10823	11005	11192	11384	11582
Carry-out Stocks	900	1280	1038	1028	1041	1058	1066	1065	1063	1073	1085	1090

Brazil - Wheat Stocks-to-Use Ratio (percent) and Per Capita Consumption (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Per Capita Consumption	54.71	54.15	54.42	54.70	55.00	55.33	55.68	56.06	56.46	56.88	57.34	57.83
Stocks-to-Use Ratio	9.20	13.06	10.42	10.15	10.11	10.10	10.02	9.84	9.66	9.58	9.53	9.41

Brazil - Wheat Exports (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	-6781	-6900	-7244	-7628	-7822	-7987	-8138	-8315	-8492	-8675	-8860	-9056
Durum Wheat	0	0	0	0	0	0	0	0	0	0	0	0

China - Wheat Area Harvested (1000 hectares), Yield (metric tons/hectare), and Production (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Area Harvested	24700	23700	24533	25073	25270	25439	25568	25718	25810	25892	25949	25948
Yield	3.80	3.80	3.81	3.85	3.89	3.93	3.97	4.02	4.05	4.09	4.11	4.13
Production	93870	90060	97468	102503	104307	104926	105901	106768	107518	108284	109008	109740

#### China - Wheat Supply and Utilization (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Carry-in Stocks	91877	76588	60148	52406	49773	48815	48400	48053	47587	47212	46853	46494
Production	93870	90060	97468	102503	104307	104926	105901	106768	107518	108284	109008	109740
Net Imports	-420	-500	1800	2314	2527	2799	2553	2643	2686	2666	2687	2714
Exports	1512	1500	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Imports	1092	1000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	108739	107000	107011	107450	107792	108139	108800	109877	110579	111309	112054	112816
Carry-out Stocks	76588	60148	52406	49773	48815	48400	48053	47587	47212	46853	46494	46132

#### China - Wheat Stocks-to-Use Ratio (percent) and Per Capita Consumption (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Per Capita Consumption	84.64	82.76	82.57	82.58	82.58	82.58	82.59	82.59	82.60	82.60	82.60	82.61
Stocks-to-Use Ratio	70.43	56.21	48.97	46.32	45.29	44.76	44.17	43.31	42.69	42.09	41.49	40.89

#### Egypt - Wheat Area Harvested (1000 hectares), Yield (metric tons/hectare), and Production (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Area Harvested	1002	1100	1123	1169	1208	1229	1255	1273	1281	1286	1288	1289
Yield	6.12	5.60	5.63	5.68	5.70	5.72	5.73	5.74	5.75	5.76	5.77	5.78
Production	6130	6160	6326	6634	6884	7037	7192	7307	7362	7401	7440	7455

#### Egypt - Wheat Supply and Utilization (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Carry-in Stocks	1186	1566	1566	1566	1566	1566	1566	1566	1566	1566	1566	1566
Production	6130	6160	6326	6634	6884	7037	7192	7307	7362	7401	7440	7455
Net Imports	7000	6955	7048	6991	6989	7083	7175	7306	7494	7698	7899	8123
Exports	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Imports	7000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	12750	13115	13375	13625	13873	14120	14367	14612	14856	15099	15339	15578
Carry-out Stocks	1566	1566	1566	1566	1566	1566	1566	1566	1566	1566	1566	1566

#### Egypt - Wheat Stocks-to-Use Ratio (percent) and Per Capita Consumption (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Per Capita Consumption	191.13	192.82	192.94	192.94	192.94	192.93	192.93	192.93	192.93	192.93	192.93	192.93
Stocks-to-Use Ratio	12.28	11.94	11.71	11.49	11.29	11.09	10.90	10.72	10.54	10.37	10.21	10.05

#### India - Wheat Exports (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	3055	2221	1878	1817	1783	1720	1718	1720	1827	1843	2233	2378
Durum Wheat	0	0	0	0	0	0	0	0	0	0	0	0
0.00	0	0	0	0	0	0	0	0	0	0	0	0

#### India - Wheat Supply and Utilization (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Carry-in Stocks	21500	26000	25220	24463	23729	23018	22327	21657	21008	20377	19766	19173
Production	68763	69631	70367	71549	72759	73966	75210	76437	77795	79038	80657	82047
Net Imports	3055	2221	1878	1817	1783	1720	1718	1720	1827	1843	2233	2378
Exports	3087	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Imports	32	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A

Consumption	61208	68191	69245	70466	71688	72936	74162	75367	76598	77806	79017	80244
Carry-out Stocks	26000	25220	24463	23729	23018	22327	21657	21008	20377	19766	19173	18598

India - Wheat Stocks-to-Use Ratio (percent) and Per Capita Consumption (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Per Capita Consumption	60.27	66.13	66.16	66.36	66.56	66.78	66.99	67.17	67.37	67.57	67.76	67.96
Stocks-to-Use Ratio	42.48	36.98	35.33	33.68	32.11	30.61	29.20	27.87	26.60	25.40	24.26	23.18

Japan - Wheat Production (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	700.00	690.00	674.98	660.28	645.90	631.84	618.08	604.62	591.46	578.58	565.98	553.66

Japan - Per Capita Wheat Production (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	5.53	5.44	5.32	5.20	5.08	4.97	4.86	4.76	4.66	4.56	4.47	4.38

Japan - Per Capita Wheat Imports (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	45.75	45.70	43.08	44.07	45.15	46.08	46.97	47.77	48.67	49.53	50.44	51.37

Japan - Wheat Imports (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	5800	5800	5468	5599	5740	5860	5973	6073	6183	6286	6392	6498

South Korea - Per Capita Wheat Imports (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	82.91	75.03	74.17	74.43	74.59	73.62	74.14	76.11	76.32	76.86	77.32	77.21

South Korea - Wheat Imports (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	3979	3601	3590	3631	3667	3645	3695	3818	3852	3901	3947	3964

Mexico - Wheat Area Harvested (1000 hectares), Yield (metric tons/hectare), and Production (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Area Harvested	685	695	701	704	706	708	711	713	714	715	718	721
Yield	4.77	4.80	3.41	3.81	3.91	4.06	4.20	4.34	4.48	4.62	4.77	4.91
Production	3270	3336	2389	2687	2763	2874	2985	3094	3200	3305	3420	3536

Mexico - Wheat Supply and Utilization (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Carry-in Stocks	781	856	754	751	753	756	758	765	773	780	789	800
Production	3270	3336	2389	2687	2763	2874	2985	3094	3200	3305	3420	3536
Net Imports	2652	2371	3819	3584	3550	3434	3348	3245	3101	2968	2825	2654
Exports	548	829	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Imports	3200	3200	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	5847	5934	6212	6269	6309	6306	6326	6331	6294	6264	6235	6178

Carry-out Stocks	856	754	751	753	756	758	765	773	780	789	800	812
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Mexico - Wheat Stocks-to-Use Ratio (percent) and Per Capita Consumption (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Stocks-to-Use Ratio	14.64	12.71	12.09	12.01	11.98	12.02	12.09	12.21	12.39	12.60	12.84	13.14
Per Capita Consumption	55.76	55.76	57.53	57.25	56.83	56.05	55.49	54.83	53.83	52.92	52.06	50.99

Morocco - Wheat Area Harvested (1000 hectares), Yield (metric tons/hectare), and Production (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Area Harvested	2701	2800	2827	2758	2814	2805	2848	2856	2867	2891	2897	2910
Yield	1.23	0.90	0.90	0.90	0.90	0.90	0.90	0.91	0.91	0.91	0.91	0.92
Production	3316	2520	2542	2480	2528	2519	2556	2591	2614	2627	2635	2673

Morocco - Wheat Supply and Utilization (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Carry-in Stocks	1350	1616	1632	1640	1648	1657	1665	1673	1682	1690	1698	1707
Production	3316	2520	2542	2480	2528	2519	2556	2591	2614	2627	2635	2673
Net Imports	3050	3053	3435	3586	3626	3672	3669	3699	3771	3848	3930	3986
Exports	100	100	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Exports	100	100	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Consumption	5800	5899	5968	6057	6146	6182	6216	6281	6376	6466	6557	6650
Carry-out Stocks	1616	1632	1640	1648	1657	1665	1673	1682	1690	1698	1707	1715

Morocco - Wheat Stocks-to-Use Ratio (percent) and Per Capita Consumption (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Per Capita Consumption	191.36	191.36	190.44	190.16	189.90	188.08	186.22	185.34	185.35	185.26	185.17	185.17
Stocks-to-Use Ratio	27.86	27.67	27.48	27.21	26.95	26.93	26.92	26.77	26.51	26.27	26.03	25.80

Morocco - Wheat Exports (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	-3050	-3053	-3435	-3586	-3626	-3672	-3669	-3699	-3771	-3848	-3930	-3986

Former Soviet Union - Wheat Production (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
All Wheat	69985	71035	72100	73182	74645	76138	77661	79214	80799	82415	84063	85744

Former Soviet Union - Per Capita Wheat Production (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
All Wheat	237.01	240.73	244.42	248.08	252.94	257.80	262.64	267.46	272.29	277.16	282.05	287.00

Former Soviet Union - Per Capita Wheat Imports (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	-14.50	-14.57	5.57	3.78	1.72	0.23	-2.04	-3.80	-5.38	-6.75	-8.32	-9.69
Durum Wheat	-1.02	-1.03	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07

Former Soviet Union - Wheat Net Imports (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	-4280	-4297	-7032	-7775	-6347	-6046	-6500	-7040	-7042	-6895	-7054	-7256
Durum Wheat	-300	-303	-256	-259	-261	-264	-266	-269	-292	-315	-338	-361

All Wheat	-4580	-4600	-7288	-8034	-6608	-6310	-6766	-7309	-7333	-7210	-7392	-7617
	4280.0	4297.0	7032.2	7775.0	6347.16	6046.2	6499.5	7040.0	7041.6	6894.9	7054.4	7256.1
	0	0	0	4		8	4	4	1	3	8	2
	300.00	303.00	256.03	258.59	261.18	263.79	266.43	269.09	291.78	314.70	337.85	361.22

Tunisia - Wheat Production (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	620.00	626.00	632.26	638.58	644.97	651.42	657.93	664.51	671.16	677.87	684.65	691.49
Durum Wheat	500.00	605.00	611.05	617.16	623.33	629.57	635.86	642.22	648.64	655.13	661.68	668.30
All Wheat	1120.0	1231.0	1243.3	1255.7	1268.30	1280.9	1293.7	1306.7	1319.8	1333.0	1346.3	1359.7
	0	0	1	4		8	9	3	0	0	3	9

Tunisia - Per Capita Wheat Production (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	63.19	63.08	63.01	62.96	62.93	62.91	62.90	62.89	62.89	62.89	62.91	62.94
Durum Wheat	50.96	60.96	60.90	60.85	60.82	60.80	60.79	60.78	60.78	60.78	60.80	60.83

Tunisia - Per Capita Wheat Imports (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	124.75	118.30	118.56	119.88	121.27	120.73	122.03	121.58	122.41	124.04	128.08	127.76
Durum Wheat	46.55	50.13	50.26	50.18	49.85	49.39	49.02	47.91	47.76	47.63	48.42	47.85

Tunisia - Wheat Imports (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	1238	1187	1190	1216	1243	1250	1276	1285	1306	1337	1394	1404
Durum Wheat	462	503	504	509	511	511	513	506	510	513	527	526
All Wheat	1700	1690	1694	1725	1754	1762	1789	1791	1816	1850	1921	1929

Taiwan - Per Capita Wheat Imports (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	44.34	48.32	48.83	48.86	48.91	48.97	49.06	49.17	49.25	49.31	49.33	49.30

Taiwan - Wheat Imports (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	1000	1097	1109	1117	1125	1133	1142	1151	1160	1167	1173	1178

Venezuela - Per Capita Wheat Imports (kilograms)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	41.76	38.97	41.98	42.13	42.21	42.19	42.11	42.36	42.39	42.54	42.74	42.86
Durum Wheat	14.73	17.05	15.59	15.68	15.67	15.88	15.86	15.83	16.00	16.06	16.16	16.35

Venezuela - Wheat Imports (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Common Wheat	1035	983	1059	1081	1102	1119	1135	1160	1179	1202	1225	1248
Durum Wheat	365	430	393	402	409	421	428	434	445	454	463	476
All Wheat	1400	1413	1452	1484	1511	1540	1563	1594	1624	1655	1689	1724

Rest of the World - Wheat Imports (1000 metric tons)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
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Common Wheat	45453	51947	52330	52420	53195	52349	52974	54719	54641	55615	56504	56683
Durum Wheat	1275	1288	1335	1382	1430	1479	1528	1548	1568	1568	1569	1569

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