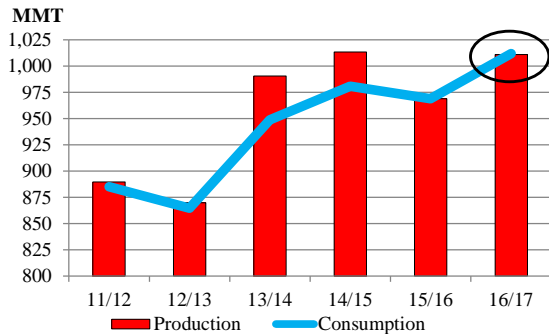


# Grain: World Markets and Trade

May 2016

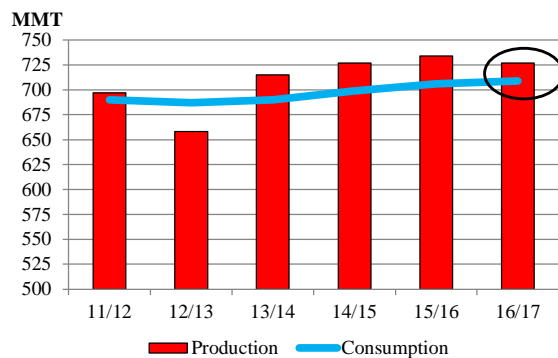
## Record Grain Supplies Pressure Prices Lower

**Global Corn Production Slightly Below Consumption**



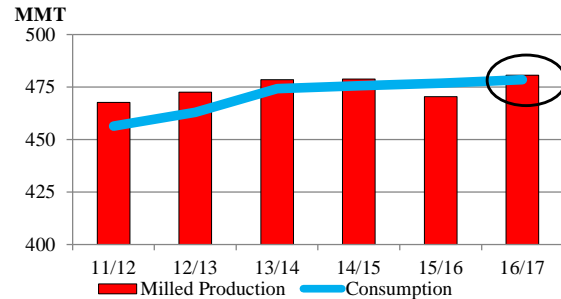
Global corn production in 2016/17 is projected up sharply from last year, driven by larger crops for the United States, Argentina, South Africa, and the EU. Global consumption is expected to rise to a record, reflecting growth in feed use for China and the EU. Global import demand is expected marginally lower, driven by the EU and China. Global ending stocks are forecast down slightly as a drawdown in China more than offsets a build-up in the United States.

**Global Wheat Production Slightly Above Consumption**



Global wheat production is forecast lower than last year's record, but continues to outpace consumption for the fourth consecutive year. The EU, Morocco, Turkey, and Ukraine have sizeable production cuts, but these are partly offset by larger crops in Argentina and Russia. Global consumption is projected up fractionally as steady growth in food use more than offsets lower wheat feeding. Global trade is down very slightly from the 2015/16 record. The EU is forecast to be the world's largest exporter for the fourth straight year. Global stocks are projected to an all-time high, driven primarily by China.

**Global Rice Production Slightly Above Consumption**



Rice production is projected at a new record, with significant increases for South and Southeast Asia and the United States. Consumption is forecast to rise moderately. Trade is projected lower as improved crops in importing countries reduce demand. U.S. exports are projected higher on ample supplies and improved price competitiveness. Declines in exporter stocks are offset by increases in China.

For email subscription, click here to register:  
<http://www.fas.usda.gov/data/grain-world-markets-and-trade>

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The Foreign Agricultural Service (FAS) updates its production, supply and distribution (PSD) database for cotton, oilseeds, and grains at 12:00 p.m. on the day the *World Agricultural Supply and Demand Estimates* (WASDE) report is released. This circular is released by 12:15 p.m.

**To download the tables in the publication,** go to Production, Supply and Distribution Database (PSD Online): (<http://apps.fas.usda.gov/psdonline/psdHome.aspx>), scroll down to Reports, and Click the plus sign [+] next to Grains.

### **FAS Reports and Databases:**

Current *World Markets and Trade* and *World Agricultural Production* Reports:

<http://apps.fas.usda.gov/psdonline/psdDataPublications.aspx>

Archives *World Markets and Trade* and *World Agricultural Production* Reports:

<http://usda.mannlib.cornell.edu/MannUsda/viewTaxonomy.do?taxonomyID=7>

Production, Supply and Distribution Database (PSD Online):

<http://apps.fas.usda.gov/psdonline/psdHome.aspx>

Global Agricultural Trade System (U.S. Exports and Imports):

<http://apps.fas.usda.gov/gats/default.aspx>

Export Sales Report:

<http://apps.fas.usda.gov/esrquery/>

Global Agricultural Information Network (Agricultural Attaché Reports):

<http://gain.fas.usda.gov/Pages/Default.aspx>

### **Other USDA Reports:**

World Agricultural Supply and Demand Estimates (WASDE):

<http://www.usda.gov/oce/commodity/wasde/>

Economic Research Service:

<http://www.ers.usda.gov/topics/crops>

National Agricultural Statistics Service:

<http://www.nass.usda.gov/Publications/>

All Grain Summary Comparison  
Million Metric Tons

Marketing Year	Wheat			Rice, Milled			Corn			
	2014/ 15	2015/ 16	2016/ 17	2014/ 15	2015/ 16	2016/ 17	2014/ 15	2015/ 16	2016/ 17	
<b>Production</b>										
United States	(Jun-May)	55.1	55.8	54.4	7.1	6.1	7.3	361.1	345.5	366.5
Other		671.8	678.3	672.6	471.6	464.4	473.4	652.4	623.4	644.6
World Total		726.9	734.1	727.0	478.7	470.5	480.7	1,013.5	968.9	1,011.1
<b>Domestic Consumption</b>										
United States	(Jun-May)	31.6	31.7	32.7	4.2	3.9	4.3	301.9	301.3	310.4
Other		667.7	673.6	676.1	471.4	473.0	474.2	662.2	678.9	697.3
World Total		699.3	705.3	708.8	475.6	476.9	478.5	964.1	980.2	1,007.7
<b>Ending Stocks</b>										
United States	(Jun-May)	20.5	26.6	28.0	1.6	1.4	1.6	44.0	45.8	54.7
Other		196.0	216.3	229.8	112.8	105.0	105.0	163.9	162.1	152.3
World Total		216.5	242.9	257.8	114.4	106.4	106.6	207.9	207.9	207.0
<b>TY Imports</b>										
United States	(Jun-May)	4.0	3.2	3.5	0.8	0.8	0.8	0.8	1.4	1.0
Other		154.4	160.8	157.2	38.5	38.7	37.8	124.7	129.9	129.7
World Total		158.4	164.0	160.7	39.3	39.5	38.6	125.5	131.3	130.7
<b>TY Exports</b>										
United States	(Jun-May)	22.8	21.3	24.5	3.5	3.3	3.6	46.8	43.5	49.0
Other		138.7	145.3	139.5	39.3	38.1	37.1	81.2	90.4	84.8
World Total		161.5	166.6	164.0	42.8	41.4	40.7	128.0	133.9	133.8

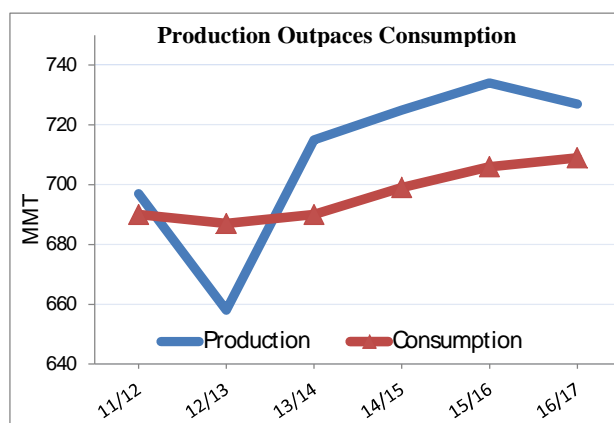
Note: Consumption in this table has not been adjusted for differences in marketing year imports and exports and therefore differs from global totals shown elsewhere. Marketing years for U.S. grains are: Wheat (Jun-May), Rice (Aug-Jul), Corn (Sep-Aug). 'Marketing Year' column is germane for U.S. wheat only.

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## WHEAT: WORLD MARKETS AND TRADE

### HIGHLIGHTS FOR 2016/17

Global wheat production is projected at 727 million metric tons (MMT) down 7.1 MMT, and slightly below the 2015/16 record. Production among the major exporting countries of **Argentina, Australia, Canada, EU, Kazakhstan, Russia, Ukraine, and the United States** is down a net 2.4 MMT. Projected gains in **Argentina, Australia, Canada, and Russia's** wheat production are not enough to offset declines in the **EU,**

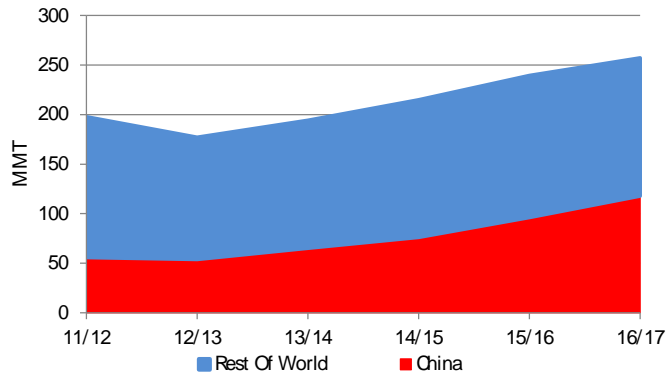


**Kazakhstan, Ukraine, and the United States.** In the EU, although area harvested is projected to rise, yields are expected to dip. Farmers in **Argentina** are projected to produce more wheat as elimination of export policy restrictions incentivizes increased planting. Production in **Canada** is expected to rise marginally as increased winter wheat offsets reduced spring wheat area. **Russia's** wheat crop is expected to be the second largest on record. Production in **Ukraine** is expected to drop from last year, but recent favorable weather conditions have boosted crop potential. **U.S.** production is projected lower than last year as a sharp reduction in area more than offsets above-average yields. **Ethiopia** and **South Africa's** production is projected to significantly recover from last year's drought affected crop. **China's** wheat production is nearly unchanged from 2015/16, adding to the country's already burdensome supplies. **Morocco,** on the other hand, is suffering from a drought and its crop is projected at a 9-year low.

Global consumption is up 0.5 percent as greater food, seed and industrial use (FSI), up 1.1 percent, is more than offset by a 2.3 percent drop in feed use. Population, urbanization, and income growth, particularly in Sub-Saharan Africa and Southeast Asia, are driving the growth in food consumption. Wheat used as a component in animal feed rations is projected to decline slightly due to greater utilization of coarse grains, particularly in **China, EU, and Thailand.**

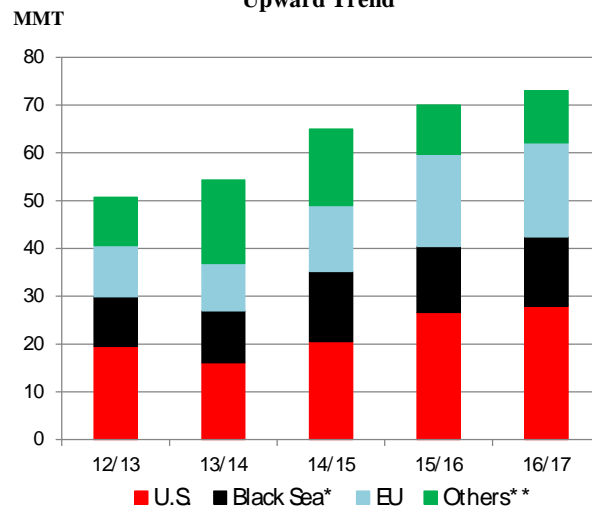
2016/17 global ending stocks are projected to reach a new record of 257 million tons, up 14.4 million tons from last year. **China's** burgeoning stocks now account for a whopping 46 percent of global stocks and are expected up 21.7 million tons from last year. Projected ending stocks, less **China**, are actually down year-to-year.

**Global Ending Stocks Reach a Record  
Driven by China**



Ending stocks in the eight major exporting countries as a whole are projected up slightly year-to-year. However, stocks in the **EU** and the **United States** account for nearly two-thirds of this total. Stocks in **Argentina, Kazakhstan, and Ukraine**, are expected to be lower than in 2015/16.

**Exporter Ending Stocks Continue  
Upward Trend**



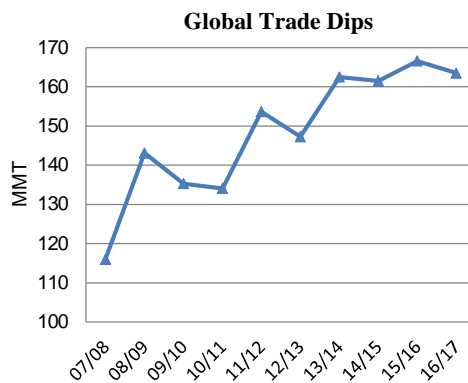
\*Kazakhstan, Russia, and Ukraine

\*\*Argentina, Australia, Canada

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## Selected Importers 2016/17

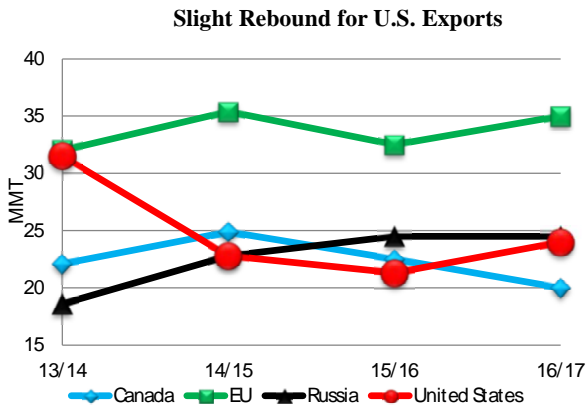
Global trade is forecast down nearly 2 percent from the 2015/16 record, but remains sizeable at 163.5 million tons. The **EU** and **Thailand** are expected to reduce imports of feed-quality wheat as global exportable supplies of feed-quality wheat tighten and relatively lower-priced domestic coarse grains replace imported wheat in feed rations. The **Philippines**, on the other hand, is projected to import more feed-quality wheat as domestic corn supplies tighten. **Ethiopia**, **Iran**, **Mexico**, and **Tunisia** will likely lower imports due to improved domestic production. The **United States** is projected to increase imports as a result of a smaller expected crop.



- **Algeria** is down 600,000 tons from 8.1 million to 7.5 million. The government continues to build domestic stocks in order to take advantage of low international prices.
- **Egypt** is unchanged at 12.0 million tons.
- **Ethiopia** is down 1.1 million tons from 3.1 million to 2.0 million.
- **EU** is down 1.0 million tons from 6.5 million to 5.5 million.
- **Iran** is down 1.8 million tons from 3.3 million to 1.5 million based on a larger crop and the implementation of an import duty which is likely to restrict imports.
- **Mexico** is down 200,000 tons from 4.4 million to 4.2 million.
- **Morocco** is up 1.5 million tons from 4.0 million to a record 5.5 million. **Morocco's** wheat crop suffered from a drought, raising import demand to a record.
- **Philippines** is up 500,000 tons from 4.3 million to 4.8 million.
- **Saudi Arabia** is up 500,000 tons from 3.0 million to 3.5 million. **Saudi Arabia** is projected to import a larger quantity in order to meet growing food consumption. Its domestic wheat production was phased out and the country depends solely on imports to meet growing demand.
- **Thailand** is down 900,000 tons from 4.5 million to 3.6 million.

- **Tunisia** is down 300,000 tons from 2.0 million to 1.7 million tons.
- **The United States** is up 300,000 tons from 3.2 million to 3.5 million as a result of lower expected domestic production.

**Selected Exporters 2016/17**



With global trade declining fractionally and global supplies projected at a record in 2016/17, competition for global market share is expected to intensify. U.S. exports are expected to rebound slightly from their 44-year low. **Canada** and **Argentina's** supplies are expected to tighten during the Northern Hemisphere summer and fall months until new crops come to market. This will give the **United States** an opportunity to increase market share.

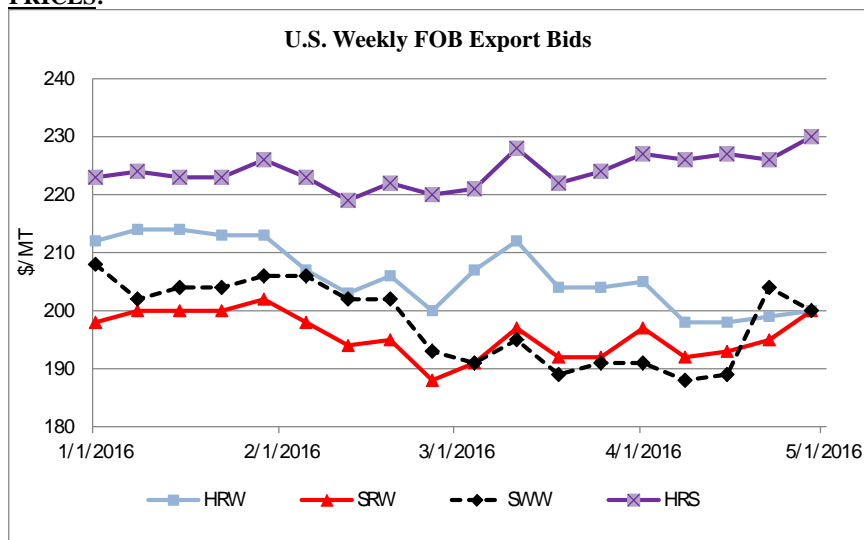
- **Argentina** is unchanged at 8.5 million tons, although new supplies are not expected to hit the market until the second half of the trade year.
- **Australia** is up 500,000 tons from 16.5 million to 17.0 million tons due to a slightly larger expected crop.
- **Canada** is down 2.5 million tons from 22.5 million to 20.0 million tons. Although the crop is projected slightly higher, tight carry-in stocks will limit export volume.
- **EU** is up 2.0 million tons from 32.5 million to 34.5 million. An appreciable upturn in exports to a near record is projected, supported by a large supplies and a sizeable crop.
- **Kazakhstan** is down 500,000 tons from 7.5 million to 7.0 million tons because of a smaller expected crop.
- **Russia** is unchanged at a record 24.5 million tons.
- **Ukraine** is down 4.0 million tons from 15.5 million to 11.5 million tons because of a smaller crop.
- **The United States** is up 2.7 million tons from 21.3 million to 24.0 million tons.

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## 2015/16 OVERVIEW

Global trade is up significantly month-to-month to a record 166.6 million tons. **Egypt, Ethiopia, Thailand, Indonesia, Morocco, and Turkey** imports are all raised. Partly offsetting are cuts in **Iraq and Saudi Arabia**. **Argentina, Canada, EU, Kazakhstan, Russia, and Turkey** exports are all raised. **U.S.** exports, imports, and the season-average farm price are all unchanged. Season-average farm prices in 2016/17 are projected in the range of \$3.70 to \$4.50/bushel, down from \$4.90/bushel in 2015/16.

### PRICES:



**Domestic:** Wheat prices experienced mostly modest fluctuations in April. Hard Red Winter (HRW) fell \$5/ton to \$200. Soft Red Winter (SRW) and Soft White Winter (SWW) also settled at \$200/ton, rising \$3 and \$9, respectively. Hard Red Spring (HRS) rose marginally by \$3/ton to \$230.

### TRADE CHANGES IN 2015/16

#### Selected Importers

- **Egypt** is up 1.0 million tons to 12.0 million due to the robust pace of shipments to date.
- **Ethiopia** is raised 700,000 tons to 3.1 million on account of continued government purchases combined with food aid shipments.



- 
- **Indonesia** is boosted 500,000 tons to 8.6 million as demand for feed-quality wheat surges, resulting from government-imposed limitations on corn imports.
  - **Iraq** is lowered 300,000 tons to 2.4 million due to sluggish trade.
  - **Morocco** is up 1.0 million tons to 4.0 million as industry boosts purchases in anticipation of tight domestic supplies caused by a drought-ravaged crop.
  - **Saudi Arabia** is down 300,000 tons to 3.0 million as a result of higher-than-anticipated domestic procurement of the 2014/15 crop.
  - **Thailand** is raised 700,000 tons to 4.5 million due to strong demand for feed-quality wheat. Drought is forcing the domestic corn crop to be planted later than normal affecting supplies of feed grains.
  - **Turkey** is up 500,000 tons to 4.3 million on account of larger-than-expected exports of flour and products. Turkey has an inward processing mechanism in which wheat can be imported duty-free as long as it is exported in the form of flour or products.

#### **Selected Exporters**

- **Argentina** is raised 1.0 million tons to 8.5 million on a higher-than-expected pace of shipments.
- **Canada** is up 500,000 tons to 22.5 million as stronger trade persists despite tightening stocks.
- **EU** is boosted 500,000 tons to 32.5 million as the issuance of voluminous export licenses continues.
- **Kazakhstan** is up 500,000 tons to 7.5 million on account of the strong pace of trade.
- **Russia** is raised 1.5 million tons to a record 24.5 million based on trade data.
- **Turkey** is up 300,000 tons to 5.3 million due to the robust trade of flour and products.

**World Wheat, Flour, and Products Trade**  
July/ June Year, Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17 May
<b>TY Exports</b>						
Argentina	11,951	7,450	1,675	4,200	8,500	8,500
Australia	23,031	21,269	18,339	16,575	16,500	17,000
Brazil	1,860	1,753	81	1,688	1,300	1,000
Canada	17,603	18,584	22,156	24,877	22,500	20,000
European Union	16,728	22,786	32,032	35,418	32,500	34,500
Kazakhstan	11,069	6,801	8,000	5,507	7,500	7,000
Mexico	790	729	1,322	1,104	1,100	1,200
Russia	21,627	11,308	18,609	22,800	24,500	24,500
Turkey	3,678	3,583	4,293	4,134	5,300	5,000
Ukraine	5,436	7,190	9,755	11,269	15,500	11,500
Others	11,830	18,067	14,673	11,206	10,137	9,252
Subtotal	125,603	119,520	130,935	138,778	145,337	139,452
United States	28,142	27,734	31,518	22,752	21,300	24,500
World Total	153,745	147,254	162,453	161,530	166,637	163,952
<b>TY Imports</b>						
Afghanistan	2,200	1,600	2,050	2,000	2,400	2,200
Algeria	6,500	6,484	7,484	7,257	8,100	7,500
Bangladesh	2,039	2,725	3,354	3,915	4,200	4,400
Brazil	7,053	7,547	7,061	5,869	5,800	5,800
China	2,933	2,960	6,773	1,926	3,000	3,200
Egypt	11,650	8,400	10,150	11,100	12,000	12,000
Ethiopia	1,550	1,344	670	1,100	3,100	2,000
European Union	7,362	5,276	3,976	5,975	6,500	5,500
Indonesia	6,457	7,146	7,391	7,478	8,600	8,700
Iraq	3,784	3,948	3,246	2,253	2,400	2,200
Japan	6,354	6,598	6,123	5,878	5,700	5,700
Korea, South	5,188	5,439	4,288	3,942	4,300	4,300
Mexico	5,020	3,823	4,639	4,476	4,400	4,200
Morocco	3,671	3,825	3,928	4,086	4,000	5,500
Nigeria	3,901	4,168	4,580	4,244	4,300	4,100
Peru	1,585	1,683	2,114	1,907	1,900	1,900
Philippines	4,022	3,620	3,476	5,055	4,300	4,800
Saudi Arabia	2,904	1,921	3,429	3,487	3,000	3,500
South Africa	1,542	1,558	1,849	1,901	2,000	1,900
Sudan	2,360	1,793	2,664	2,632	2,300	2,100
Thailand	2,646	1,840	1,684	3,488	4,500	3,600
Turkey	4,413	3,312	4,149	5,960	4,300	4,500
Uzbekistan	2,698	1,863	2,224	2,230	2,600	2,500
Vietnam	2,711	1,671	2,157	2,296	2,800	2,700
Yemen	2,667	3,207	3,425	3,245	3,300	3,350
Others	45,514	47,569	52,695	50,758	50,966	49,071
Subtotal	148,724	141,320	155,579	154,458	160,766	157,221
Unaccounted	1,984	2,458	2,089	3,085	2,671	3,231
United States	3,037	3,476	4,785	3,987	3,200	3,500
World Total	153,745	147,254	162,453	161,530	166,637	163,952

TY= Trade Year, see Endnotes.

**World Wheat Production, Consumption, and Stocks**  
Local Marketing Years, Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17 May
<b>Production</b>						
Argentina	15,500	9,300	10,500	14,000	11,300	14,500
Australia	29,905	22,856	25,303	23,076	24,500	25,000
Brazil	5,800	4,380	5,300	6,000	5,540	5,500
Canada	25,288	27,205	37,530	29,420	27,600	28,500
China	117,400	121,023	121,930	126,208	130,190	130,000
Egypt	8,400	8,500	8,250	8,300	8,100	8,100
European Union	138,182	133,949	144,583	156,828	160,006	156,500
India	86,874	94,882	93,506	95,850	86,530	88,000
Iran	12,400	13,800	14,500	13,000	15,000	15,500
Kazakhstan	22,732	9,841	13,941	12,996	13,748	13,000
Pakistan	25,214	23,473	24,211	25,979	25,100	25,300
Russia	56,240	37,720	52,091	59,080	61,044	63,000
Turkey	18,800	16,000	18,750	15,250	19,500	17,500
Ukraine	22,324	15,761	22,278	24,750	27,274	24,000
Uzbekistan	6,300	6,700	6,800	7,150	7,200	7,200
Others	51,254	51,595	57,344	53,909	55,578	51,026
Subtotal	642,613	596,985	656,817	671,796	678,210	672,626
United States	54,244	61,298	58,105	55,147	55,840	54,366
World Total	696,857	658,283	714,922	726,943	734,050	726,992
<b>Total Consumption</b>						
Algeria	8,950	9,450	9,850	10,050	10,250	10,450
Brazil	11,200	10,900	11,400	10,700	10,200	10,100
Canada	9,852	9,555	9,414	9,077	8,800	8,800
China	122,500	125,000	116,500	116,500	112,000	110,500
Egypt	18,600	18,700	18,500	19,100	19,200	19,700
European Union	127,234	119,250	117,300	123,500	128,800	126,800
India	81,408	83,824	93,848	93,122	88,730	91,950
Indonesia	6,250	6,950	7,165	7,365	8,150	8,400
Iran	15,200	16,000	17,000	17,500	18,000	18,500
Morocco	8,800	8,300	9,000	9,000	9,800	9,600
Pakistan	23,100	23,900	24,100	24,500	24,400	24,500
Russia	38,000	33,550	34,100	35,500	37,000	37,500
Turkey	18,100	17,650	17,750	17,500	18,000	17,800
Ukraine	14,950	11,400	11,500	12,000	12,500	12,500
Uzbekistan	7,800	8,000	8,400	8,900	9,300	9,500
Others	145,764	146,702	150,229	153,414	158,444	159,487
Subtotal	665,698	641,284	663,545	673,034	675,942	679,344
United States	31,962	37,768	34,287	31,554	31,741	32,713
World Total	697,660	679,052	697,832	704,588	707,683	712,057
<b>Ending Stocks</b>						
Australia	7,051	4,663	4,558	4,003	4,928	5,618
China	55,946	53,960	65,274	76,105	96,295	117,995
Egypt	6,698	4,721	4,408	4,369	4,719	4,569
European Union	13,522	10,711	9,938	13,823	19,029	19,729
India	19,950	24,200	17,830	17,200	14,500	11,150
Iran	825	5,096	7,241	7,846	8,146	5,946
Russia	10,899	4,933	5,177	6,285	6,629	8,129
Others	62,761	49,272	63,693	66,431	62,046	56,714
Subtotal	177,652	157,556	178,119	196,062	216,292	229,850
United States	20,211	19,538	16,065	20,477	26,614	27,991
World Total	197,863	177,094	194,184	216,539	242,906	257,841

## Regional Wheat Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	May 2016/ 17
<b>TY Imports</b>						
North America	8,554	7,784	9,866	8,953	8,085	8,185
Central America	1,666	1,654	1,833	1,834	1,830	1,855
South America	13,779	14,422	14,866	13,132	13,315	13,110
European Union - 28	7,362	5,276	3,976	5,975	6,500	5,500
Other Europe	1,911	1,632	1,858	1,760	1,850	1,785
Former Soviet Union - 12	8,032	7,246	7,506	7,681	7,840	7,470
Middle East	23,023	24,230	28,384	26,912	24,475	23,240
North Africa	24,855	22,047	25,246	25,230	27,300	27,900
Sub-Saharan Africa	19,204	18,585	20,502	20,939	23,345	21,985
East Asia	16,868	17,354	19,465	14,115	15,410	15,520
South Asia	5,428	5,308	6,721	8,149	8,226	8,726
Southeast Asia	17,956	16,294	17,101	20,541	22,550	22,185
Others	3,123	2,964	3,040	3,224	3,240	3,260
<b>Total</b>	<b>151,761</b>	<b>144,796</b>	<b>160,364</b>	<b>158,445</b>	<b>163,966</b>	<b>160,721</b>
<b>Production</b>						
North America	83,160	91,734	99,012	88,254	87,200	86,966
South America	26,131	18,011	19,762	24,222	20,643	23,918
European Union - 28	138,182	133,949	144,583	156,828	160,006	156,500
Other Europe	3,597	3,431	4,059	3,856	4,032	4,015
Former Soviet Union - 12	114,985	77,802	103,885	112,735	117,596	115,830
Middle East	39,285	36,884	41,708	35,414	41,820	39,310
North Africa	18,584	17,328	19,656	17,010	19,910	14,700
Sub-Saharan Africa	6,234	6,716	7,154	7,144	6,371	7,127
East Asia	118,775	122,490	123,248	127,650	131,516	131,360
South Asia	117,450	126,412	125,917	130,154	119,840	121,645
Oceania	30,288	23,345	25,751	23,490	24,925	25,430
Others	186	181	187	186	191	191
<b>Total</b>	<b>696,857</b>	<b>658,283</b>	<b>714,922</b>	<b>726,943</b>	<b>734,050</b>	<b>726,992</b>
<b>Domestic Consumption</b>						
North America	49,414	53,948	50,351	47,481	47,541	48,633
South America	26,085	26,212	27,126	26,780	26,475	26,507
European Union - 28	127,234	119,250	117,300	123,500	128,800	126,800
Other Europe	4,871	4,721	4,757	4,810	4,865	4,980
Former Soviet Union - 12	79,970	71,725	72,750	75,860	78,030	78,965
Middle East	56,723	56,636	58,717	58,112	60,090	60,180
North Africa	40,927	41,290	42,425	42,651	43,525	44,000
Sub-Saharan Africa	23,291	24,047	26,341	26,848	28,249	28,470
East Asia	137,357	140,071	130,201	129,513	125,180	123,750
South Asia	115,930	121,007	132,041	132,322	128,656	132,491
Southeast Asia	16,665	16,515	16,560	19,265	21,620	21,460
Oceania	7,824	8,111	8,280	8,569	8,600	8,845
Others	3,379	3,366	3,494	3,571	3,684	3,719
<b>Total</b>	<b>689,670</b>	<b>686,899</b>	<b>690,343</b>	<b>699,282</b>	<b>705,315</b>	<b>708,800</b>
<b>Ending Stocks</b>						
North America	26,718	24,925	26,790	28,080	31,062	32,604
South America	4,204	3,538	6,834	8,338	4,545	4,200
European Union - 28	13,522	10,711	9,938	13,823	19,029	19,729
Other Europe	1,439	1,057	941	1,074	1,216	1,161
Former Soviet Union - 12	26,379	14,288	15,727	20,084	19,160	19,865
Middle East	12,395	14,049	18,560	18,443	19,013	15,348
North Africa	14,319	11,795	13,802	12,784	15,619	13,379
Sub-Saharan Africa	2,401	2,485	2,923	2,931	3,498	3,035
East Asia	58,938	57,214	68,314	79,228	99,439	121,029
South Asia	25,129	27,995	21,661	23,185	20,840	17,470
Southeast Asia	4,615	3,718	3,466	3,892	3,962	3,857
Oceania	7,432	4,978	4,861	4,289	5,204	5,889
Others	372	341	367	388	319	275
<b>Total</b>	<b>197,863</b>	<b>177,094</b>	<b>194,184</b>	<b>216,539</b>	<b>242,906</b>	<b>257,841</b>

NOTES: Regional definitions appear on last page of this circular. Imports are reported on a trade year basis. All other data are reported using local marketing years.

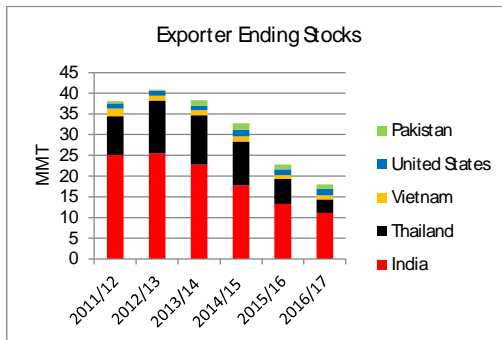
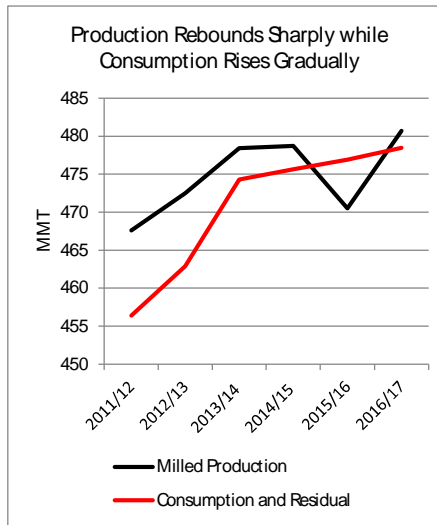
## RICE: WORLD MARKETS AND TRADE

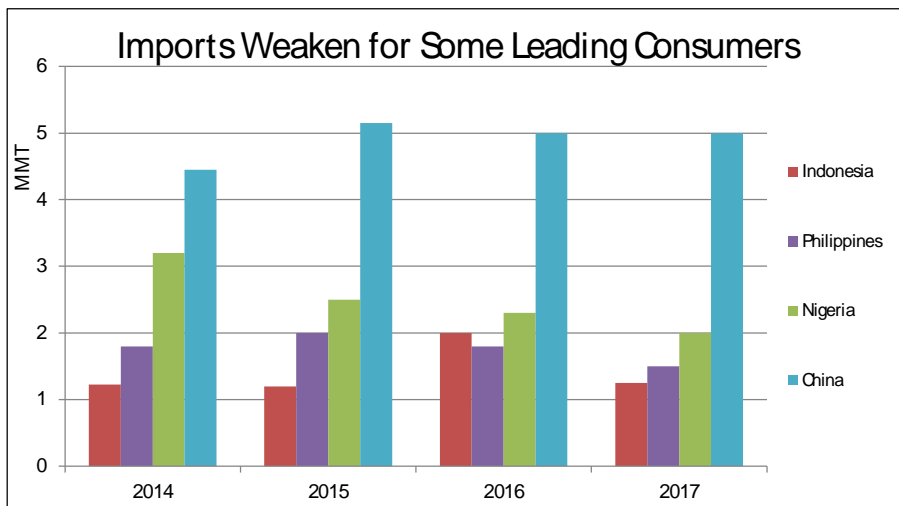
### HIGHLIGHTS OF 2016/17

Global production is projected to rebound to a record 480.7 million tons. **China** and **India**, which together account for over half of global production, are forecast to have larger crops. Production in **Southeast Asia**, accounting for nearly another quarter, is projected to recover with an easing of the El Niño weather pattern, and to reduce import needs in the region. Africa's crop is forecast to reach a record. In **South America**, production is projected to rebound due to notable increases for **Argentina** and **Brazil**. The **U.S.** crop is forecast to be higher on expanded area, and is set to be the third largest on record.

Global consumption continues to rise, though the growth is modest. Per capita food use is growing in many African countries, but declining in a number of Asian countries. Notably, feed use is expected to increase in certain Asian markets, including **Thailand, Japan, and South Korea**.

Due to steady consumption growth, global ending stocks are projected to rise only marginally. Ending stocks for **Thailand** are forecast down nearly 50 percent at just over 3 million tons, the lowest since 2007/08. Additionally, **India's** stocks are forecast at 11 million, down more than 15 percent and the lowest since 2005/06. **China's** stocks have risen sharply, as growth in imports and production has exceeded that of consumption. Amid a near-record crop and intense export competition, **U.S.** ending stocks are forecast to reach the highest level since the 1980s.



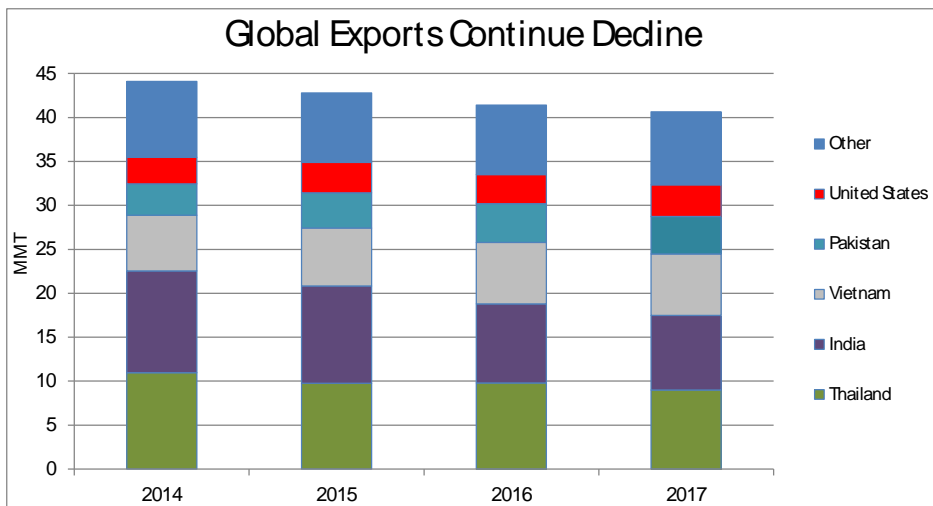


Among key import markets in 2017, a combination of self-sufficiency aspirations, higher domestic production, and trade restrictions are expected to reduce reliance on imported rice. Of the top buyers, only **China's** imports are forecast to remain stable (around 5.0 million tons). Despite record production and growing stocks, the difference in prices between China and bordering countries will likely incentivize steady trade. For **Nigeria**, however, trade is forecast to continue to decline as economic and foreign exchange challenges persist and the country imposes import restrictions. In 2017, forecast crop recovery for **Indonesia** and **the Philippines** is expected to reduce imports below levels expected during 2016.

#### Selected Importers for 2017

- **Bangladesh** is forecast up 150,000 tons to 500,000 from the prior year, as steady consumption and declining stocks encourage additional imports.
- **Brazil** is forecast down 100,000 tons to 600,000 because of a larger crop and ample supplies for domestic consumption.
- **China** is stable at 5.0 million tons as favorable prices in neighboring countries continue to encourage cross-border trade.
- **Cote d'Ivoire** is projected down 100,000 tons to 900,000 on prospects for a larger crop.
- **EU** is forecast to remain at 1.6 million tons amid steady consumption.
- **Indonesia** is forecast to decline 750,000 tons to 1.3 million as higher production prospects reduce the need for imports. Consumption remains relatively flat, while stocks decline slightly.
- **Iran** is forecast to remain at 1.5 million tons, limited by current financial challenges and despite a growing population.

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- **Iraq** is expected to remain flat at 1.2 million tons supported by government distribution and private-sector purchases.
  - **Malaysia** is forecast up 30,000 tons to 1.1 million.
  - **Nigeria** is projected down 300,000 tons to 2.0 million on continued government policies to limit foreign exchange use for rice purchases and to restrict transit via land borders.
  - **The Philippines** is cut 300,000 tons to 1.5 million on adequate carry-in stocks and a projected recovery in production from the 2015/16 crop, which suffered negative effects of El Niño.
  - **Saudi Arabia** is expected up 50,000 tons to 1.5 million tons on continued demand for basmati rice.
  - **Senegal** is projected flat at 990,000 tons on steady demand for broken rice from India and Thailand.
  - **South Africa** is forecast down 75,000 tons to 925,000 as an expected recovery in corn production reduces demand for rice.
  - **Turkey** is projected up 75,000 tons to 275,000 as declining stocks necessitate imports to satisfy consumption.
  - **The United States** is forecast up 25,000 tons to 775,000 on higher demand for fragrant rice.
  - **Venezuela** is forecast to remain at 400,000 tons as financial challenges constrain imports from regional suppliers.



For 2017, global exports are forecast down for the third consecutive year, sliding from a record 44.1 million tons in 2014 to 40.7 million in the upcoming year. Declining shipments for leading exporters India and Thailand more than offset increases for Vietnam, Pakistan, and the United States. A number of factors contribute to the decline, most notably lower demand from many top importers. In addition, tightening stocks, particularly in Thailand and India, constrain exportable supplies.

U.S. exports are projected up for 2017, on greater exportable supplies and lower prices. Beyond the traditional destinations, U.S. rice exporters may need to return to previously-held markets and identify new customers in an effort to ship substantial supplies amid tight competition with regional suppliers.

#### **Selected Exporters for 2017**

- Argentina** is forecast up 120,000 tons to 600,000 from the prior year due to a larger crop and the new administration's removal of export tariffs.
- Brazil** is projected up 50,000 tons to 800,000 due to crop recovery and sufficient exportable supplies.
- Burma** is forecast up 50,000 tons to 1.9 million on higher demand from regional markets.
- Cambodia** is projected up 150,000 tons to 1.1 million, on a larger crop and continued demand from neighboring countries and the EU.
- India** is forecast down 500,000 tons to 8.5 million, with smaller exportable supplies and strong domestic demand.

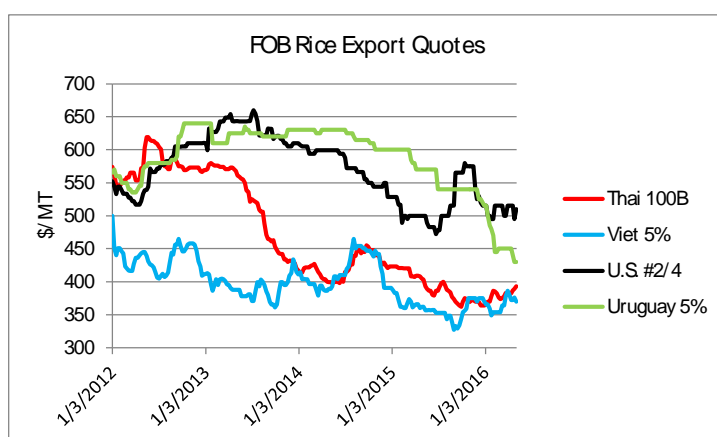


- **Pakistan** is projected down 150,000 tons to 4.3 million, as it faces lower carry-in stocks and continued competition with India for basmati markets.
- **Thailand** is forecast down 800,000 tons to 9.0 million, as stocks continue to decline and exportable supplies are reduced.
- **The United States** is forecast up 275,000 tons to 3.6 million on larger supplies and improved price competitiveness.
- **Vietnam** is unchanged at 7.0 million tons on steady demand from China and Southeast Asia.

## **OVERVIEW OF 2015/16**

Global production is down marginally from the prior month as smaller crops for North Korea, Paraguay and Uruguay more than offset an upward revision for Cote d' Ivoire. Global consumption is adjusted down slightly, while ending stocks are revised higher, primarily driven by China. Global trade is down fractionally.

## **PRICES**



Export quotes from Asian origins remain below Western Hemisphere origins, though the gap has narrowed compared to recent years. Thai quotes have recently edged up, reflecting concerns about production, given low water reservoir levels. Viet quotes have slid and remain the most competitively priced. Uruguay quotes are down on ample supplies. U.S. quotes continue at a premium.

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### **Monthly Trade Changes for 2016**

- Bangladesh's imports are slashed 250,000 tons to 350,000 this month as the recent imposition of an import tariff limits trade volumes amid another record crop.
- Brazil's imports are lowered 100,000 tons to 700,000 on trade to date.
- Cote d'Ivoire's imports are up 200,000 tons to 1.0 million on the pace of trade to date.
- Nigeria's imports are down 200,000 tons to 2.3 million on reduced purchases amid restrictions on the use of foreign exchange and importation via land borders.
- The Philippines' imports are down 200,000 tons to 1.8 million on improved crop prospects in the latter part of the year.
- Thailand's exports are down 200,000 tons to 9.8 million on reduced shipments to Southeast Asian markets.
- UAE's imports are up 140,000 tons to 600,000 on a multi-year revision to higher per capita consumption.
- Uruguay's exports are down 150,000 tons to 800,000 on a smaller crop.
- Venezuela's imports are down 100,000 tons to 400,000 reflecting macroeconomic constraints.

### **NOTES**

- China's consumption and stocks series were revised from 2012/13 to the present to reflect a more moderate rate of growth for consumption, resulting in higher stocks.
- Thailand's consumption and stocks have been revised from 2013/14 to the present, based on updated information.

World Rice Trade  
January/ December Year, Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17 May
<b>TY Exports</b>						
Argentina	608	526	494	310	480	600
Australia	449	460	404	323	200	230
Brazil	1,105	830	852	895	750	800
Burma	1,357	1,163	1,688	1,735	1,800	1,850
Cambodia	900	1,075	1,000	1,150	900	1,050
China	267	447	393	262	350	300
Egypt	600	700	600	250	250	250
European Union	194	203	284	251	270	260
Guyana	265	346	502	536	540	540
India	10,250	10,480	11,588	11,046	9,000	8,500
Pakistan	3,399	4,126	3,600	4,000	4,400	4,250
Paraguay	262	365	380	371	470	470
Thailand	6,945	6,722	10,969	9,779	9,800	9,000
Uruguay	1,056	939	957	718	800	840
Vietnam	7,717	6,700	6,325	6,606	7,000	7,000
Others	1,295	1,116	1,081	1,095	1,093	1,117
Subtotal	36,669	36,198	41,117	39,327	38,103	37,057
United States	3,298	3,295	2,998	3,472	3,325	3,600
World Total	39,967	39,493	44,115	42,799	41,428	40,657
<b>TY Imports</b>						
Angola	360	430	496	434	450	475
Bangladesh	53	114	1,290	595	350	500
Brazil	732	712	586	363	700	600
Cameroon	450	550	610	525	530	530
China	2,900	3,500	4,450	5,150	5,000	5,000
Cote d'Ivoire	1,265	830	950	1,100	1,000	900
Cuba	330	413	377	575	500	510
European Union	1,313	1,375	1,556	1,786	1,600	1,600
Ghana	595	725	590	500	580	600
Haiti	372	416	385	444	470	440
Indonesia	1,960	650	1,225	1,198	2,000	1,250
Iran	1,500	2,220	1,650	1,300	1,450	1,450
Iraq	1,478	1,294	1,080	1,009	1,150	1,150
Japan	650	690	669	688	700	700
Kenya	400	410	440	450	460	470
Malaysia	1,006	885	989	1,051	1,020	1,050
Mexico	680	746	658	708	700	750
Mozambique	445	500	500	480	500	540
Nepal	351	340	510	529	500	550
Nigeria	3,400	2,400	3,200	2,500	2,300	2,000
Philippines	1,500	1,000	1,800	2,000	1,800	1,500
Saudi Arabia	1,193	1,326	1,410	1,444	1,450	1,500
Senegal	918	902	960	990	985	990
South Africa	870	990	910	912	1,000	925
United Arab Emirates	520	540	560	580	600	610
Others	11,045	11,809	12,684	11,223	10,944	11,199
Subtotal	36,286	35,767	40,535	38,534	38,739	37,789
Unaccounted	3,041	3,051	2,825	3,507	1,939	2,093
United States	640	675	755	758	750	775
World Total	39,967	39,493	44,115	42,799	41,428	40,657

TY= Trade Year, see Endnotes. Note about dates: 2015/16 is calendar year 2016, 2014/15 is calendar year 2015, and so on.

**World Rice Production, Consumption, and Stocks**  
Local Marketing Years, Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17 Mav
<b>Milled Production</b>						
Bangladesh	33,700	33,820	34,390	34,500	34,500	34,550
Brazil	7,888	8,037	8,300	8,465	7,600	8,500
Burma	11,473	11,715	11,957	12,600	12,200	12,500
Cambodia	4,268	4,670	4,725	4,700	4,350	4,700
China	140,700	143,000	142,530	144,560	145,770	146,500
Egypt	4,250	4,675	4,750	4,530	4,000	4,000
India	105,310	105,240	106,646	105,480	103,000	105,000
Indonesia	36,500	36,550	36,300	35,560	35,300	36,600
Japan	7,792	7,907	7,931	7,849	7,653	7,680
Korea, South	4,224	4,006	4,230	4,241	4,327	4,000
Pakistan	6,160	5,536	6,798	6,900	6,700	6,900
Philippines	10,710	11,428	11,858	11,915	11,350	12,000
Sri Lanka	3,138	2,675	2,840	2,850	3,300	3,400
Thailand	20,460	20,200	20,460	18,750	15,800	17,000
Vietnam	27,152	27,537	28,161	28,166	28,100	28,500
Others	38,025	39,150	40,442	40,549	40,429	41,545
Subtotal	461,750	466,146	472,318	471,615	464,379	473,375
United States	5,866	6,348	6,117	7,106	6,107	7,335
World Total	467,616	472,494	478,435	478,721	470,486	480,710
<b>Consumption and Residual</b>						
Bangladesh	34,300	34,500	34,900	35,100	35,200	35,300
Brazil	7,928	7,850	7,900	7,910	7,840	8,000
Burma	10,200	10,400	10,450	10,500	10,600	10,700
Cambodia	3,400	3,550	3,650	3,615	3,600	3,600
China	139,600	141,000	143,000	144,500	146,000	145,000
Egypt	3,620	4,050	4,000	4,000	3,800	3,900
India	93,334	94,031	98,710	98,233	98,500	98,600
Indonesia	38,188	38,127	38,500	38,300	38,100	38,100
Japan	8,376	8,351	8,380	8,600	8,600	8,700
Korea, South	4,880	4,489	4,422	4,350	4,374	4,334
Nepal	3,677	3,353	3,811	3,716	3,600	3,650
Nigeria	5,600	5,300	5,600	5,700	5,400	5,200
Philippines	12,860	12,850	12,850	13,200	13,250	13,300
Thailand	10,400	10,600	10,700	10,600	10,800	11,100
Vietnam	19,650	21,600	22,000	22,000	21,850	21,800
Others	56,889	59,079	61,442	61,163	61,538	62,881
Subtotal	457,333	461,725	473,931	474,527	474,588	476,239
United States	3,492	3,779	3,977	4,155	3,853	4,287
World Total	460,825	465,504	477,908	478,682	478,441	480,526
<b>Ending Stocks</b>						
China	45,023	49,832	53,102	57,436	61,856	68,056
India	25,100	25,440	22,757	17,766	13,266	11,166
Indonesia	7,403	6,476	5,501	3,959	3,159	2,909
Japan	2,735	2,857	3,007	2,821	2,494	2,089
Korea, South	755	780	899	1,253	1,672	1,744
Philippines	1,509	1,487	1,695	2,210	2,310	2,510
Thailand	9,330	12,808	11,899	10,570	6,070	3,220
Others	13,668	12,980	14,458	16,815	14,223	13,318
Subtotal	105,523	112,660	113,318	112,830	105,050	105,012
United States	1,303	1,156	1,025	1,552	1,377	1,599
World Total	106,826	113,816	114,343	114,382	106,427	106,611

Note: All data are reported on a milled basis.

## Regional Rice Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	May 2016/ 17
<b>TY Imports</b>						
North America	1,664	1,776	1,771	1,816	1,810	1,890
Caribbean	845	971	903	1,176	1,125	1,110
South America	1,881	1,833	1,814	1,678	1,817	1,827
Other Europe	120	125	132	128	135	140
Former Soviet Union - 12	469	557	567	467	411	406
Middle East	6,545	7,252	6,891	6,261	6,405	6,605
North Africa	777	487	480	466	465	465
Sub-Saharan Africa	11,853	11,567	12,669	10,971	11,220	10,930
East Asia	4,389	5,349	6,043	6,681	6,636	6,631
South Asia	737	722	2,581	1,579	1,010	1,210
Southeast Asia	5,488	3,606	5,027	5,514	6,020	4,960
Others	2,158	2,197	2,412	2,555	2,435	2,390
<b>Total</b>	<b>36,926</b>	<b>36,442</b>	<b>41,290</b>	<b>39,292</b>	<b>39,489</b>	<b>38,564</b>
<b>Production</b>						
North America	5,979	6,479	6,248	7,285	6,260	7,500
Caribbean	1,002	974	1,054	1,104	996	1,005
South America	15,215	15,852	16,384	16,365	15,582	16,588
European Union - 28	2,139	2,100	1,937	1,963	2,055	2,026
Former Soviet Union - 12	1,294	1,294	1,205	1,185	1,262	1,245
Middle East	2,170	2,251	2,450	2,443	2,392	2,495
North Africa	4,289	4,704	4,789	4,530	4,000	4,000
Sub-Saharan Africa	13,002	13,272	13,984	14,438	15,127	15,390
East Asia	155,488	157,953	157,701	159,486	160,194	160,924
South Asia	152,027	150,631	154,490	153,331	151,120	153,450
Southeast Asia	113,649	115,490	116,867	115,367	110,651	114,971
Others	1,362	1,494	1,326	1,224	847	1,116
<b>Total</b>	<b>467,616</b>	<b>472,494</b>	<b>478,435</b>	<b>478,721</b>	<b>470,486</b>	<b>480,710</b>
<b>Domestic Consumption</b>						
North America	4,668	4,977	5,202	5,369	5,083	5,532
Central America	1,156	1,171	1,193	1,226	1,237	1,288
Caribbean	1,977	1,954	1,992	2,136	2,103	2,151
South America	14,130	14,354	14,542	14,568	14,598	14,781
European Union - 28	3,300	3,250	3,250	3,320	3,380	3,420
Former Soviet Union - 12	1,435	1,579	1,551	1,426	1,441	1,441
Middle East	8,693	8,989	9,248	9,145	9,105	9,160
North Africa	4,045	4,572	4,480	4,430	4,230	4,330
Sub-Saharan Africa	23,816	24,741	26,371	26,055	26,183	26,579
East Asia	156,212	157,459	159,412	160,714	161,904	161,259
South Asia	137,167	137,462	143,476	143,540	143,870	144,270
Southeast Asia	99,128	101,694	102,867	103,157	103,241	103,706
Others	667	707	708	556	530	535
<b>Total</b>	<b>456,394</b>	<b>462,909</b>	<b>474,292</b>	<b>475,642</b>	<b>476,905</b>	<b>478,452</b>
<b>Ending Stocks</b>						
North America	1,455	1,345	1,176	1,704	1,509	1,764
Central America	235	189	208	240	232	235
Caribbean	343	289	266	263	261	225
South America	1,656	1,591	1,902	2,129	1,702	1,900
European Union - 28	1,146	1,188	1,163	1,237	1,232	1,178
Middle East	1,526	2,004	1,836	1,633	1,300	1,215
North Africa	487	427	602	916	901	786
Sub-Saharan Africa	2,085	2,229	1,987	2,283	2,197	1,653
East Asia	48,887	53,832	57,296	61,766	66,298	72,185
South Asia	27,461	26,819	25,629	21,808	16,559	14,094
Southeast Asia	21,371	23,486	21,876	19,997	14,002	11,202
Oceania	40	238	241	247	93	63
Others	134	179	161	159	141	111
<b>Total</b>	<b>106,826</b>	<b>113,816</b>	<b>114,343</b>	<b>114,382</b>	<b>106,427</b>	<b>106,611</b>

NOTES: Regional definitions appear on last page of this circular. Imports are reported on a trade year basis. All other data are reported using local marketing years.

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## COARSE GRAINS: WORLD MARKETS AND TRADE

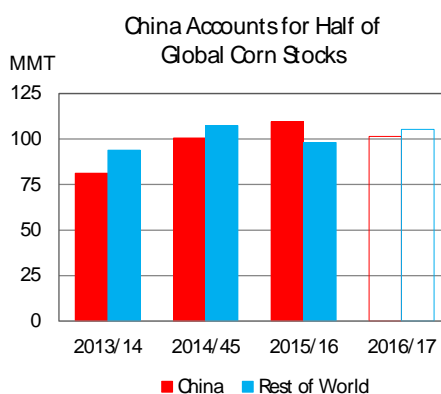
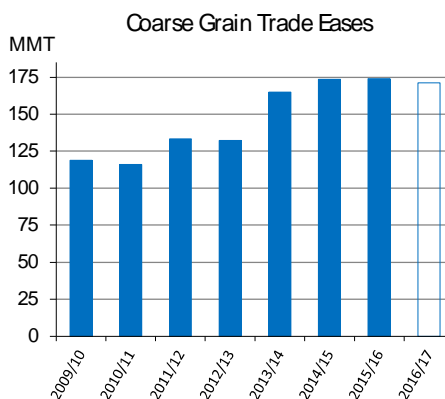
### OVERVIEW FOR 2016/17

Global **coarse grain production** is forecast to reach a near-record level driven by corn and sorghum, while barley production is expected to decline modestly. Global **consumption** is projected up with greater use of corn and sorghum. Global trade is forecast to decline slightly driven mostly by declines for barley and sorghum. China's import demand for corn, barley, and sorghum is expected to fall as changes in the corn support program are expected to promote domestic corn use.

Global **corn production** is projected higher. The U.S. crop is expected to reach a record, while others – Argentina, EU, India, South Africa, Russia, and Ukraine – rebound from last year's levels. Global **consumption** is forecast to rise to a record level, largely due to the aforementioned changes in China, which has led to a sharp drop in domestic corn prices. The change in policies in China is expected to encourage domestic corn use, drawing down stocks. However, global ending stocks are forecast to decline only slightly with a nearly offsetting build-up in the United States. Global import demand is projected to marginally lower with reductions in China, EU, and Vietnam more than offsetting growth in Egypt, Iran, Mexico, South Korea, and Turkey. Brazilian exports are forecast to plunge about 30 percent from 2015/16 with tightening supplies. Exports are projected higher for the United States, Argentina, EU, and Ukraine.

World **barley production** is expected to drop modestly with reduced crops for Argentina, Morocco, Turkey, and Ukraine. Due to adverse weather conditions, Morocco's crop is slashed 71 percent year-over-year to 1.0 million, and Turkey's production is projected to fall 27 percent to 5.4 million tons. Trade is forecast lower with weaker demand for China and Iran more than offsetting stronger demand for Jordan, Morocco, Turkey, and Saudi Arabia.

Global **sorghum production** is forecast higher with larger crops in Ethiopia, Mexico, and Sudan more than offsetting a smaller U.S. crop. Trade is forecast lower on the expectation of reduced demand in China. However, future Chinese demand for sorghum, and for other imported feedstuffs, remains highly uncertain as the country deals with massive corn stockpiles.



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## **HIGHLIGHTS FOR 2016/17**

### **Selected Exporters**

- **U.S. corn** is projected to surge 5.5 million tons to 49.0 million on record supplies and less competition from Brazil. The season-average farm price is projected down to a range of \$3.05 to \$3.65/bushel, with the midpoint 25 cents lower than the 2015/16 forecast. **U.S. sorghum** is forecast down 1.9 million tons to 5.5 million with the expectation of weaker demand from China, evidenced by the slow pace of new crop sales.
- **Argentine corn** is forecast 2.5 million tons higher to 22.5 million with a much larger projected crop. Likewise, **sorghum** is boosted 150,000 tons to 1.2 million with the expectation of a larger crop. However, **barley** is down 600,000 tons to 1.9 million based on a smaller crop projection.
- **Brazilian corn** is expected to plunge 11.5 million tons to 25.0 million on tightening domestic supplies.
- **EU corn** is projected to rise 1.6 million tons to 3.0 million while **imports** are down 2.0 million tons to 13.0 million with prospects for a larger crop. **Barley** is forecast down 1.1 million tons to 8.7 million reflecting weaker demand in China.
- **Serbian corn** is up 500,000 tons to 2.2 million on prospects for a larger crop.
- **South African corn** is forecast to climb 600,000 tons to 1.3 million with the export pace likely to increase following next year's harvest. A relatively marginal drop is expected for **imports**, forecast at 2.5 million tons, as tight supplies drive import demand through most of the year.
- **Ukrainian corn** is forecast at 17.0 million tons, up 1.0 million from last year. Export opportunities to China are less promising due partly to changes in China's corn reserve policies, which would encourage domestic corn use. **Barley** exports are projected to shrink 300,000 tons to 3.2 million on smaller crop prospects.
- **Australian barley** is forecast up 300,000 tons to 5.8 million tons on stronger demand from the Middle East. **Sorghum** is expected to remain steady at 1.0 million tons.
- **Canadian barley** is forecast down marginally to 1.4 million tons on account of strong domestic feeding and lower demand from China.
- **Russian barley** is forecast to grow 600,000 tons to 4.0 million with strong expected demand from traditional markets in the Middle East.

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## Selected Importers

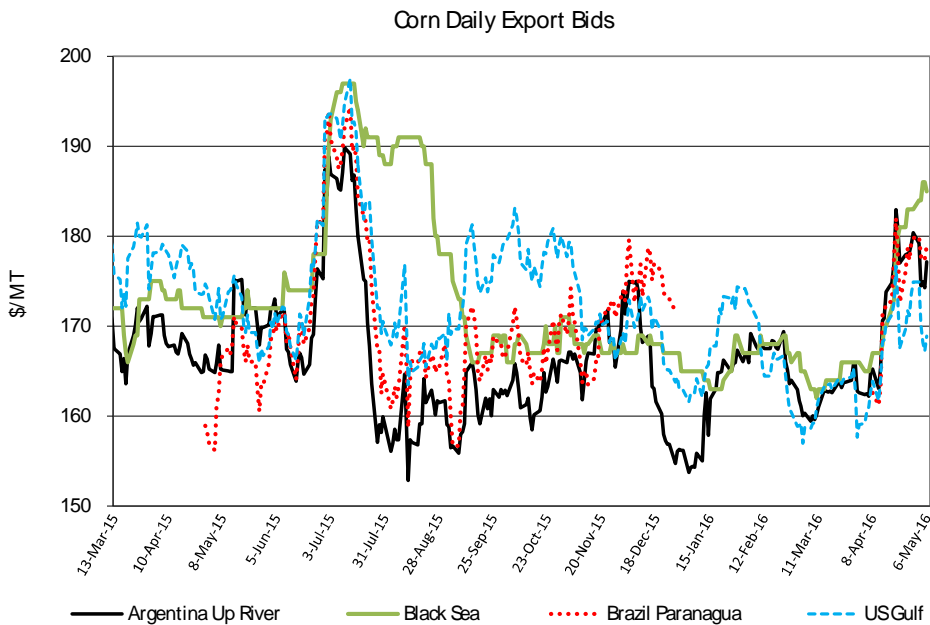
- **Chinese corn** is forecast lower at 1.0 million tons with expectations of greater use of domestic feedstuffs. Prices for domestic corn have dropped sharply since last fall. Furthermore, the government's effort to reduce stocks by promoting domestic corn use should erode demand for imported feedstuffs, including barley and sorghum. **Barley** imports are projected down 1.5 million tons to 6.0 million, and **sorghum** is lowered 1.8 million tons to 5.0 million.
- **Egyptian corn** is forecast to rise 500,000 tons to a record 8.8 million on continued growth in feed demand.
- **Iranian corn** is forecast up 500,000 tons to 5.5 million with growing feed demand. Alternately, **barley** is forecast down 800,000 tons to 1.1 million with ample supplies and favorable pasture conditions.
- **Japanese corn** is forecast down 200,000 tons to 14.5 million based on slow demand from the livestock sector. **Barley** and **sorghum** are forecast steady.
- **Mexican corn** is up 1.5 million tons to a record 13.5 million on a smaller expected crop and higher feed demand. **Sorghum** is unchanged at 700,000 tons.
- **South Korean corn** is projected 500,000 tons higher to a record 10.5 million with growth in feed demand from the swine sector more than offsetting reduced use in the cattle sector, while poultry production remains steady.
- **Turkish corn** is raised 600,000 tons to 1.5 million on a smaller expected crop as a result of ongoing drought. Likewise, **barley** is up 350,000 tons to 400,000.
- **Vietnamese corn** is projected down 900,000 tons to 6.0 million as growth in feed use is expected to slow. Starting with 2013/14, the import series is revised to incorporate trade data and increased residual disappearance.
- **Saudi barley** is forecast up 500,000 tons to 9.5 million driven by strengthening demand for feed with ongoing price supports and lower world barley prices.



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## **OVERVIEW FOR 2015/16**

World corn production is lower from last month reflecting reductions in Argentina and Brazil. Global imports are higher with increases for Brazil and Vietnam more than offsetting a reduction for China. Estimated changes for exporters are mostly offsetting, highlighted by larger U.S. exports and cuts for Argentina and Brazil. The U.S. season-average farm price is raised a nickel at the midpoint.



## **PRICES**

During the period from the release of the April WASDE report into early May, quotes for U.S. corn are up \$5 to \$169/ton, but now hold a considerable discount to other major exporters. The price gap is mainly attributed to relatively large nearby supplies. Black Sea quotes surged to \$19 to \$185/ton in tandem with other exporters' quotes and magnified by tight nearby supplies. For the same period, Argentine quotes rose \$12 to \$177/ton as adverse weather disrupted the harvest. Brazilian quotes reappeared in April and rose sharply with concerns over potential impact of hot and dry conditions on the second crop, and are now just above Argentine price levels at \$179/ton. Recent Brazilian quotes are for August delivery, while the other exporters' quotes are current.

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## **TRADE CHANGES IN 2015/16**

### **Selected Exporters**

- **U.S. corn** is raised 1.5 million tons to 43.5 million on robust sales and shipments and relatively competitive prices.
- **Argentine corn** is down 500,000 tons to 20.0 million on reduced production.
- **Brazilian corn** is cut 1.0 million tons to 36.5 million on a smaller crop.
- **Indonesian corn** is slashed 200,000 tons to 50,000 on trade to date and restrictions on imports that make exports uncompetitive.
- **Ukrainian corn** is up 300,000 tons to 16.0 million reflecting the pace to date.
- **EU barley** is raised 800,000 tons to 9.8 million on a robust pace to date, particularly to countries in the Middle East.

### **Selected Importers**

- **Brazilian corn** is boosted 500,000 tons to 1.0 million on tight domestic supplies.
- **Chinese corn** is lowered 500,000 tons to 2.0 million on trade to date.
- **Vietnamese corn** is raised 1.9 million tons to a record 6.9 million reflecting strong demand for competitively priced imports mainly from South America. Starting 2013/14, the import series is revised to incorporate trade data and increased residual disappearance.
- **Saudi barley** is up 500,000 tons to 9.0 million on larger-than-expected shipments from the European Union.
- **U.S. oats** is down 100,000 tons to 1.5 million on trade to date.

World Coarse Grain Trade  
October/ September Year, Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17 May
<b>TY Exports</b>						
Argentina	22,308	29,497	16,630	21,003	23,555	25,605
Australia	7,279	6,411	7,004	7,290	6,875	7,175
Brazil	12,677	26,078	22,059	21,954	36,535	25,030
Canada	3,853	4,658	5,482	3,597	4,150	4,450
European Union	7,177	8,943	7,841	15,067	11,582	12,055
Paraguay	2,188	2,861	2,718	3,031	2,715	2,315
Russia	5,996	4,366	7,074	9,155	7,670	8,610
Serbia	2,339	605	1,799	3,001	1,740	2,260
South Africa	1,851	2,412	2,127	770	725	1,325
Ukraine	17,499	15,527	24,125	24,208	19,720	20,330
Others	10,121	10,279	11,215	7,999	7,475	7,130
Subtotal	93,288	111,637	108,074	117,075	122,742	116,285
United States	40,106	20,586	56,772	56,340	51,235	54,835
World Total	133,394	132,223	164,846	173,415	173,977	171,120
<b>TY Imports</b>						
Algeria	3,741	3,289	4,946	4,863	4,730	4,775
Chile	1,523	1,327	1,621	1,707	2,050	2,050
China	7,924	5,603	12,445	25,699	16,500	12,200
Colombia	4,103	4,090	4,795	4,747	4,830	4,840
Dominican Republic	1,054	1,046	1,011	1,202	1,200	1,225
Egypt	7,250	5,097	8,775	7,940	8,330	8,855
European Union	6,908	11,778	16,355	9,146	15,295	13,355
Indonesia	1,724	2,719	3,513	3,381	3,100	3,000
Iran	5,700	4,800	6,600	8,100	6,900	6,600
Israel	1,562	1,564	2,073	1,603	1,775	1,810
Japan	17,726	17,742	17,501	16,726	16,715	16,520
Jordan	1,311	1,406	1,672	1,459	1,450	1,675
Korea, South	7,726	8,265	10,499	10,245	10,090	10,590
Libya	829	1,220	1,493	1,685	1,600	1,500
Malaysia	3,356	3,048	3,485	3,238	3,500	3,600
Mexico	12,733	7,624	11,312	11,570	12,975	14,475
Morocco	2,479	1,832	2,858	2,217	2,400	2,800
Peru	1,927	2,404	2,336	2,863	2,825	2,835
Saudi Arabia	10,485	12,390	11,332	11,115	12,510	13,005
South Africa	565	92	235	607	2,925	2,650
Taiwan	4,491	4,413	4,346	3,949	4,300	4,200
Tunisia	1,071	1,608	1,449	1,524	1,800	1,900
Turkey	782	1,922	1,977	2,719	955	1,905
Venezuela	2,596	2,154	2,627	2,433	1,900	2,100
Vietnam	1,600	1,600	4,300	6,700	6,900	6,000
Others	15,948	14,248	16,844	18,325	19,007	18,801
Subtotal	127,114	123,281	156,400	165,763	166,562	163,266
Unaccounted	3,138	2,427	5,124	4,365	3,755	4,629
United States	3,142	6,515	3,322	3,287	3,660	3,225
World Total	133,394	132,223	164,846	173,415	173,977	171,120

TY= Trade Year, see Endnotes.

**World Coarse Grains Production, Consumption, and Stocks**  
Local Marketing Years, Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17 Mav
<b>Production</b>						
Argentina	30,105	37,246	35,665	35,732	35,434	41,889
Australia	12,257	11,414	12,158	11,651	12,580	12,364
Brazil	75,884	84,253	82,603	87,668	83,463	84,613
Canada	22,921	24,445	28,745	21,992	25,660	26,065
China	198,635	212,192	225,408	222,750	231,780	225,700
Ethiopia	12,264	12,286	13,079	13,346	9,985	12,750
European Union	150,116	146,188	159,212	170,759	151,247	157,705
India	42,058	39,910	43,216	43,081	38,340	41,700
Indonesia	8,850	8,500	9,100	9,000	9,400	9,600
Mexico	25,689	28,881	32,065	32,689	30,539	31,225
Nigeria	17,421	18,573	19,292	19,015	17,950	18,500
Russia	33,077	28,658	35,735	40,386	37,427	39,375
South Africa	13,268	12,873	15,518	11,110	7,025	13,583
Turkey	11,299	10,595	13,090	9,425	14,275	11,575
Ukraine	33,476	29,528	40,022	39,389	33,387	34,925
Others	146,749	145,578	148,085	159,020	152,760	154,803
Subtotal	834,069	851,120	912,993	927,013	891,252	916,372
United States	322,451	285,311	367,089	377,234	366,902	382,256
World Total	1,156,520	1,136,431	1,280,082	1,304,247	1,258,154	1,298,628
<b>Domestic Consumption</b>						
Argentina	10,510	12,050	13,695	14,232	14,331	15,439
Brazil	54,653	55,803	58,028	60,023	60,868	61,928
Canada	20,286	20,338	22,347	21,288	21,953	22,530
China	196,192	209,671	223,546	229,059	239,425	246,150
Egypt	12,736	12,910	14,080	14,809	15,453	16,008
European Union	151,653	153,341	164,401	162,500	157,679	160,495
India	37,650	35,075	37,600	40,400	39,750	41,200
Iran	10,320	10,520	11,320	12,020	13,220	13,520
Japan	18,040	17,830	17,570	16,933	16,796	16,631
Mexico	37,985	36,195	40,935	42,075	43,115	44,665
Nigeria	17,321	18,700	19,350	18,950	18,150	18,500
Russia	27,728	25,134	28,619	31,139	30,140	30,775
Saudi Arabia	9,500	10,925	11,550	12,025	12,850	13,625
Turkey	11,755	13,005	13,430	13,055	14,430	13,680
Ukraine	15,559	14,661	15,977	15,430	14,225	14,430
Others	216,871	219,052	227,917	240,830	238,470	243,935
Subtotal	866,753	859,141	927,489	960,416	942,707	979,092
United States	288,857	275,537	305,048	311,347	314,978	323,043
World Total	1,155,610	1,134,678	1,232,537	1,271,763	1,257,685	1,302,135
<b>Ending Stocks</b>						
Brazil	4,822	9,560	14,258	8,211	6,271	5,926
Canada	3,390	3,024	4,648	3,342	4,074	4,224
China	60,362	68,377	82,651	102,019	110,829	102,549
European Union	15,744	13,055	15,565	18,805	16,083	14,593
Iran	4,684	4,654	5,094	7,234	7,074	6,714
Mexico	1,771	1,542	3,487	4,860	4,259	4,494
Saudi Arabia	3,235	3,415	3,912	3,500	3,900	3,520
Others	40,462	36,884	47,659	49,152	41,574	40,193
Subtotal	134,470	140,511	177,274	197,123	194,064	182,213
United States	27,819	23,531	34,313	46,948	50,476	58,820
World Total	162,289	164,042	211,587	244,071	244,540	241,033

Regional Coarse Grains Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	May 2016/ 17
<b>TY Imports</b>						
North America	16,640	14,661	15,348	16,567	17,735	18,765
Central America	2,769	2,470	2,923	3,460	3,675	3,610
Caribbean	2,156	2,327	2,330	2,444	2,485	2,560
South America	11,967	11,812	13,181	13,353	13,550	13,425
European Union - 28	6,908	11,778	16,355	9,146	15,295	13,355
Former Soviet Union - 12	1,028	728	807	730	685	705
Middle East	23,548	25,078	26,614	27,841	26,675	28,075
North Africa	15,370	13,046	19,521	18,229	18,860	19,830
Sub-Saharan Africa	3,326	2,742	3,632	4,483	7,096	6,820
East Asia	38,049	36,176	44,865	56,676	47,675	43,590
Southeast Asia	7,361	7,961	12,814	14,736	14,970	14,175
Others	1,134	1,017	1,332	1,385	1,521	1,581
<b>Total</b>	<b>130,256</b>	<b>129,796</b>	<b>159,722</b>	<b>169,050</b>	<b>170,222</b>	<b>166,491</b>
<b>Production</b>						
North America	371,061	338,637	427,899	431,915	423,101	439,546
South America	119,602	136,025	131,844	136,767	132,528	140,040
European Union - 28	150,116	146,188	159,212	170,759	151,247	157,705
Other Europe	9,497	6,570	8,813	10,649	8,946	9,973
Former Soviet Union - 12	78,648	68,222	87,758	91,599	82,505	86,731
Middle East	20,412	18,769	21,774	17,888	23,482	20,622
North Africa	11,120	10,155	11,556	11,073	12,521	10,056
Sub-Saharan Africa	99,274	103,534	102,584	108,311	92,806	103,950
East Asia	200,771	214,616	227,798	225,528	234,420	228,359
South Asia	50,175	47,642	51,986	51,827	46,894	50,528
Southeast Asia	28,379	29,158	31,003	31,088	31,983	33,398
Oceania	12,813	12,082	12,805	12,329	13,290	13,004
Others	4,652	4,833	5,050	4,514	4,431	4,716
<b>Total</b>	<b>1,156,520</b>	<b>1,136,431</b>	<b>1,280,082</b>	<b>1,304,247</b>	<b>1,258,154</b>	<b>1,298,628</b>
<b>Domestic Consumption</b>						
North America	347,128	332,070	368,330	374,710	380,046	390,238
South America	86,793	89,796	94,457	97,153	98,152	101,008
European Union - 28	151,653	153,341	164,401	162,500	157,679	160,495
Other Europe	8,375	7,100	7,707	8,036	8,252	8,292
Former Soviet Union - 12	54,374	50,225	55,686	58,148	55,818	57,076
Middle East	41,186	43,027	45,892	45,678	49,507	49,737
North Africa	25,266	24,941	27,987	30,177	31,154	31,338
Sub-Saharan Africa	97,685	103,220	102,314	110,043	101,595	104,620
East Asia	228,767	242,831	257,690	262,977	273,087	280,107
South Asia	45,706	42,704	46,167	49,321	48,950	50,684
Southeast Asia	34,609	35,787	38,943	41,558	45,155	46,416
Oceania	6,518	6,132	5,764	5,571	5,849	5,724
Others	9,556	9,573	10,075	10,243	10,589	10,819
<b>Total</b>	<b>1,137,616</b>	<b>1,140,747</b>	<b>1,225,413</b>	<b>1,256,115</b>	<b>1,265,833</b>	<b>1,296,554</b>
<b>Ending Stocks</b>						
North America	32,980	28,097	42,448	55,150	58,809	67,538
South America	9,645	15,559	21,344	14,567	12,425	12,007
European Union - 28	15,744	13,055	15,565	18,805	16,083	14,593
Other Europe	1,029	631	751	1,064	875	1,193
Former Soviet Union - 12	6,125	4,983	7,029	7,435	4,922	5,087
Middle East	10,606	10,118	11,911	12,873	13,503	12,393
North Africa	5,513	3,553	5,666	5,514	5,601	4,339
Sub-Saharan Africa	9,229	9,049	9,559	11,102	7,702	8,657
East Asia	63,851	71,678	86,663	105,873	114,786	106,598
South Asia	2,686	2,408	4,099	5,306	3,126	2,806
Southeast Asia	3,116	3,230	4,472	4,465	4,478	3,400
Oceania	977	912	1,130	950	1,296	1,446
Others	788	769	950	967	934	976
<b>Total</b>	<b>162,289</b>	<b>164,042</b>	<b>211,587</b>	<b>244,071</b>	<b>244,540</b>	<b>241,033</b>

NOTES: Regional definitions appear on last page of this circular. Imports are reported on a trade year basis. All other data are reported using local marketing years.

World Corn Trade  
October/September Year, Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17 May
<b>TY Exports</b>						
Argentina	16,501	22,789	12,846	18,448	20,000	22,500
Brazil	12,674	26,044	22,041	21,909	36,500	25,000
Burma	200	550	700	850	900	950
Canada	494	1,813	1,939	395	1,000	1,200
European Union	3,287	2,194	2,404	4,026	1,400	3,000
Paraguay	2,188	2,858	2,714	3,012	2,700	2,300
Russia	2,027	1,917	4,194	3,213	4,200	4,500
Serbia	2,325	578	1,780	2,964	1,700	2,200
South Africa	1,831	2,398	2,104	746	700	1,300
Ukraine	15,208	12,726	20,004	19,661	16,000	17,000
Others	8,637	8,417	9,013	5,971	5,290	4,825
Subtotal	65,372	82,284	79,739	81,195	90,390	84,775
United States	38,342	18,262	50,684	46,773	43,500	49,000
World Total	103,714	100,546	130,423	127,968	133,890	133,775
<b>TY Imports</b>						
Algeria	3,231	2,918	4,156	4,116	4,100	4,100
Canada	748	492	678	1,533	1,000	1,000
Chile	906	844	1,456	1,516	1,800	1,800
China	5,231	2,702	3,277	5,516	2,000	1,000
Colombia	3,209	3,266	4,436	4,496	4,500	4,500
Dominican Republic	1,054	1,046	1,011	1,202	1,200	1,225
Egypt	7,154	5,059	8,726	7,841	8,250	8,750
European Union	6,113	11,362	16,014	8,646	15,000	13,000
Guatemala	691	678	767	881	1,000	1,000
Indonesia	1,724	2,719	3,513	3,381	3,100	3,000
Iran	4,000	3,700	5,500	6,200	5,000	5,500
Israel	1,253	1,224	1,652	1,296	1,500	1,500
Japan	14,888	14,411	15,121	14,657	14,700	14,500
Korea, South	7,636	8,174	10,406	10,168	10,000	10,500
Malaysia	3,356	3,048	3,485	3,238	3,500	3,600
Mexico	11,086	5,676	10,949	11,269	12,000	13,500
Morocco	1,943	1,684	2,349	1,941	2,100	2,300
Peru	1,772	2,254	2,232	2,741	2,700	2,700
Saudi Arabia	1,816	2,063	2,684	2,904	3,500	3,500
South Africa	424	0	79	469	2,700	2,500
Taiwan	4,354	4,241	4,179	3,821	4,200	4,100
Tunisia	853	846	993	1,041	1,200	1,200
Turkey	729	1,656	1,381	2,377	900	1,500
Venezuela	2,596	2,154	2,626	2,433	1,900	2,100
Vietnam	1,600	1,600	4,300	6,700	6,900	6,000
Others	12,422	11,048	13,989	14,287	15,196	15,300
Subtotal	100,789	94,865	125,959	124,670	129,946	129,675
Unaccounted	2,160	1,416	3,737	2,489	2,544	3,100
United States	765	4,265	727	809	1,400	1,000
World Total	103,714	100,546	130,423	127,968	133,890	133,775

TY= Trade Year, see Endnotes.

**World Corn Production, Consumption, and Stocks**  
Local Marketing Years, Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17 May
<b>Production</b>						
Argentina	21,000	27,000	26,000	28,700	27,000	34,000
Brazil	73,000	81,500	80,000	85,000	81,000	82,000
Canada	11,359	13,060	14,194	11,487	13,600	13,750
China	192,780	205,614	218,490	215,646	224,580	218,000
Ethiopia	6,069	6,158	6,492	6,580	5,050	6,300
European Union	68,316	59,142	64,931	75,779	57,979	64,275
India	21,759	22,258	24,259	24,170	21,000	23,000
Indonesia	8,850	8,500	9,100	9,000	9,400	9,600
Mexico	18,726	21,591	22,880	25,480	24,000	23,500
Nigeria	9,250	7,630	7,700	7,515	7,000	7,200
Philippines	7,130	7,261	7,532	7,671	7,500	8,000
Russia	6,962	8,213	11,635	11,325	13,168	14,000
Serbia	6,400	3,750	5,900	7,700	6,000	7,000
South Africa	12,759	12,365	14,925	10,629	6,500	13,000
Ukraine	22,838	20,922	30,900	28,450	23,333	26,000
Others	89,795	91,579	94,580	97,239	96,259	94,904
Subtotal	576,993	596,543	639,518	652,371	623,369	644,529
United States	312,789	273,192	351,272	361,091	345,486	366,539
World Total	889,782	869,735	990,790	1,013,462	968,855	1,011,068
<b>Total Consumption</b>						
Argentina	7,000	7,900	8,800	9,300	9,300	10,400
Brazil	51,500	52,500	55,000	57,000	58,000	59,000
Canada	11,637	11,604	12,675	12,820	13,400	13,600
China	188,000	200,000	208,000	202,000	217,500	227,000
Egypt	11,700	12,000	13,200	13,900	14,500	15,050
European Union	69,693	69,846	76,796	77,880	74,014	75,300
India	17,200	17,500	19,600	22,300	22,100	22,800
Indonesia	10,500	10,900	11,900	12,200	12,800	13,000
Japan	14,950	14,300	15,000	14,600	14,600	14,400
Korea, South	7,815	8,481	9,891	10,250	10,100	10,550
Mexico	29,000	27,000	31,700	34,450	35,500	36,050
Philippines	7,400	7,400	8,000	8,500	8,700	8,800
Russia	4,700	6,400	7,500	8,100	8,900	9,500
South Africa	10,700	11,000	11,500	11,800	11,000	11,300
Vietnam	6,000	6,400	7,700	9,400	11,900	12,500
Others	142,643	143,094	152,582	157,787	156,622	158,058
Subtotal	607,075	601,804	655,904	678,943	667,610	701,494
United States	277,961	262,973	292,965	301,854	301,252	310,403
World Total	885,036	864,777	948,869	980,797	968,862	1,011,897
<b>Ending Stocks</b>						
Argentina	896	1,308	1,408	1,909	1,614	2,219
Brazil	4,212	9,150	13,972	7,842	5,942	5,542
China	59,335	67,570	81,315	100,464	109,524	101,504
European Union	6,682	5,146	6,891	9,410	6,975	5,950
Iran	3,336	3,236	4,476	5,816	5,456	5,296
Korea, South	1,489	1,265	1,860	1,860	1,835	1,864
Mexico	1,230	975	2,603	4,118	3,618	3,768
Others	26,030	23,781	31,394	32,483	27,117	26,219
Subtotal	103,210	112,431	143,919	163,902	162,081	152,362
United States	25,122	20,859	31,292	43,974	45,788	54,678
World Total	128,332	133,290	175,211	207,876	207,869	207,040

## Regional Corn Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	May 2016/ 17
<b>TY Imports</b>						
North America	12,599	10,433	12,354	13,611	14,400	15,500
Central America	2,766	2,470	2,922	3,460	3,675	3,610
South America	9,886	9,651	12,027	12,040	12,195	12,050
European Union - 28	6,113	11,362	16,014	8,646	15,000	13,000
Former Soviet Union - 12	319	322	448	498	425	420
Middle East	10,886	10,944	13,812	15,338	13,550	14,675
North Africa	13,827	11,154	17,036	15,623	16,350	17,050
Sub-Saharan Africa	2,657	2,092	2,939	3,772	6,231	6,235
East Asia	32,291	29,681	33,057	34,219	30,970	30,180
Southeast Asia	7,348	7,943	12,768	14,722	14,955	14,160
Caribbean	2,156	2,327	2,330	2,444	2,485	2,560
Others	706	751	979	1,106	1,110	1,235
<b>Total</b>	<b>101,554</b>	<b>99,130</b>	<b>126,686</b>	<b>125,479</b>	<b>131,346</b>	<b>130,675</b>
<b>Production</b>						
North America	342,874	307,843	388,346	398,058	383,086	403,789
South America	105,578	120,997	117,456	125,140	119,525	127,395
European Union - 28	68,316	59,142	64,931	75,779	57,979	64,275
Other Europe	7,810	4,915	7,210	8,945	7,176	8,179
Former Soviet Union - 12	34,121	32,310	46,916	43,801	40,145	44,160
Middle East	7,164	7,480	8,158	7,838	9,228	8,508
North Africa	5,722	5,919	5,898	6,161	6,201	6,201
Sub-Saharan Africa	61,919	60,522	63,493	62,400	53,883	59,628
East Asia	194,585	207,737	220,583	218,095	226,928	220,358
South Asia	28,646	28,857	31,865	31,740	28,370	30,570
Central America	3,602	3,743	3,893	3,366	3,300	3,560
Southeast Asia	28,138	28,893	30,721	30,794	31,688	33,108
Others	1,307	1,377	1,320	1,345	1,346	1,337
<b>Total</b>	<b>889,782</b>	<b>869,735</b>	<b>990,790</b>	<b>1,013,462</b>	<b>968,855</b>	<b>1,011,068</b>
<b>Domestic Consumption</b>						
North America	318,598	301,577	337,340	349,124	350,152	360,053
South America	76,391	78,981	83,641	86,531	87,395	90,105
European Union - 28	69,693	69,846	76,796	77,880	74,014	75,300
Other Europe	6,392	5,194	5,847	6,122	6,285	6,290
Former Soviet Union - 12	16,416	18,080	21,130	21,482	21,175	22,265
Middle East	17,585	18,710	19,785	21,810	22,785	23,485
North Africa	18,000	18,450	20,800	22,100	22,900	23,675
Sub-Saharan Africa	60,204	60,006	62,418	64,055	61,212	60,088
East Asia	217,097	229,234	239,185	233,237	248,645	258,405
South Asia	23,975	23,980	26,982	30,007	29,970	30,970
Southeast Asia	34,354	35,509	38,654	41,224	44,850	46,110
Central America	6,350	6,175	6,650	6,690	6,920	7,100
Others	3,344	3,556	3,581	3,879	3,885	3,865
<b>Total</b>	<b>868,399</b>	<b>869,298</b>	<b>942,809</b>	<b>964,141</b>	<b>980,188</b>	<b>1,007,711</b>
<b>Ending Stocks</b>						
North America	27,717	23,383	35,495	49,494	51,008	59,998
South America	8,290	13,628	18,932	12,514	10,419	10,289
European Union - 28	6,682	5,146	6,891	9,410	6,975	5,950
Other Europe	779	384	505	860	661	990
Former Soviet Union - 12	2,385	1,948	3,368	3,023	2,008	2,358
Middle East	4,568	4,286	6,035	7,300	7,048	6,601
North Africa	3,028	1,771	3,117	3,306	2,897	2,463
Sub-Saharan Africa	7,029	6,589	7,534	8,601	5,948	6,748
East Asia	62,300	70,378	84,856	103,925	113,158	105,271
South Asia	1,638	1,744	3,005	3,940	2,265	1,935
Southeast Asia	3,113	3,225	4,466	4,459	4,472	3,400
Central America	503	474	610	587	617	667
Others	300	334	397	457	393	370
<b>Total</b>	<b>128,332</b>	<b>133,290</b>	<b>175,211</b>	<b>207,876</b>	<b>207,869</b>	<b>207,040</b>

NOTES: Regional definitions appear on last page of this circular. Imports are reported on a trade year basis. All other data are reported using local marketing years.



**World Barley Trade**  
October/ September Year, Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17 May
<b>TY Exports</b>						
Argentina	3,631	3,647	2,829	1,599	2,500	1,900
Australia	5,819	4,622	6,261	5,266	5,500	5,800
Canada	1,437	1,316	1,714	1,384	1,450	1,400
European Union	3,646	6,501	4,926	10,642	9,800	8,700
India	52	546	546	97	150	200
Kazakhstan	659	151	501	476	800	700
Russia	3,667	2,366	2,791	5,807	3,400	4,000
Serbia	14	26	18	37	40	60
Ukraine	2,167	2,659	3,827	4,332	3,500	3,200
Uruguay	0	107	36	43	25	50
Others	126	58	42	129	65	75
Subtotal	21,218	21,999	23,491	29,812	27,230	26,085
United States	179	163	336	292	300	300
World Total	21,397	22,162	23,827	30,104	27,530	26,385
<b>TY Imports</b>						
Algeria	501	364	778	723	600	650
Azerbaijan	49	14	78	103	100	100
Brazil	274	369	337	489	400	400
China	2,541	2,183	4,891	9,859	7,500	6,000
Colombia	301	232	253	249	275	285
Iran	1,700	1,100	1,100	1,900	1,900	1,100
Israel	276	244	304	278	250	275
Japan	1,257	1,356	1,294	1,097	1,100	1,100
Jordan	736	831	997	759	800	1,000
Kuwait	376	388	436	412	400	400
Libya	183	573	681	1,001	900	800
Mexico	144	47	108	186	175	175
Morocco	536	148	471	276	300	500
Peru	97	103	87	122	100	110
Saudi Arabia	8,600	10,200	8,500	8,200	9,000	9,500
Syria	200	300	100	100	100	200
Tunisia	218	762	456	483	600	700
Turkey	46	266	596	332	50	400
United Arab Emirates	524	541	468	367	500	400
Uruguay	77	252	126	189	175	175
Others	1,765	940	979	1,318	1,041	1,056
Subtotal	20,401	21,213	23,040	28,443	26,266	25,326
Unaccounted	526	518	265	1,231	814	659
United States	470	431	522	430	450	400
World Total	21,397	22,162	23,827	30,104	27,530	26,385

TY= Trade Year, see Endnotes.

**World Barley Production, Consumption, and Stocks**  
Local Marketing Years, Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17 May
<b>Production</b>						
Algeria	1,350	1,500	1,500	1,300	1,300	1,300
Argentina	4,500	5,000	4,750	2,900	4,200	3,400
Australia	8,221	7,472	9,174	8,014	8,700	8,500
Belarus	1,979	1,917	1,674	1,988	2,000	2,100
Canada	7,892	8,012	10,237	7,119	8,225	8,500
China	1,637	1,626	1,700	1,810	1,800	2,000
Ethiopia	1,592	1,782	1,908	2,030	1,950	2,050
European Union	51,883	54,875	59,674	60,615	61,349	60,677
India	1,663	1,619	1,752	1,831	1,610	1,700
Iran	2,900	2,770	2,800	3,200	3,800	3,800
Iraq	1,000	500	944	1,000	1,050	1,100
Kazakhstan	2,593	1,500	2,539	2,412	2,675	2,700
Russia	16,938	13,952	15,389	20,026	17,083	17,750
Turkey	7,000	5,500	7,300	4,000	7,400	5,400
Ukraine	9,098	6,935	7,561	9,450	8,751	7,800
Others	9,712	9,055	10,667	9,522	11,359	8,744
Subtotal	129,958	124,015	139,569	137,217	143,252	137,521
United States	3,370	4,768	4,719	3,953	4,666	4,202
World Total	133,328	128,783	144,288	141,170	147,918	141,723
<b>Total Consumption</b>						
Algeria	1,800	2,000	2,050	2,050	2,050	2,050
Australia	3,300	3,000	2,800	2,900	2,600	2,600
Belarus	2,100	2,000	1,800	2,000	2,000	2,100
Canada	6,916	6,809	7,720	6,472	6,600	6,950
China	3,800	4,000	6,300	11,600	9,400	8,100
Ethiopia	1,600	1,725	1,925	2,025	2,025	2,025
European Union	51,200	51,000	53,400	50,900	50,900	52,400
India	1,550	1,525	1,200	1,400	1,450	1,550
Iran	4,100	4,300	4,500	4,600	5,300	5,300
Kazakhstan	1,825	1,375	2,000	2,000	2,000	2,050
Morocco	3,100	1,900	2,300	2,700	3,000	2,450
Russia	14,300	12,100	12,700	14,100	13,900	13,800
Saudi Arabia	7,225	8,325	8,625	8,525	9,225	9,825
Turkey	6,750	6,200	6,950	5,350	6,900	5,900
Ukraine	6,300	5,100	5,000	4,700	4,700	4,700
Others	15,209	15,524	16,980	16,802	17,290	17,089
Subtotal	130,814	126,429	136,022	137,254	141,665	139,268
United States	4,170	4,638	4,775	4,234	4,413	4,419
World Total	134,984	131,067	140,797	141,488	146,078	143,687
<b>Ending Stocks</b>						
Algeria	1,458	1,217	1,178	1,304	1,204	1,104
Australia	548	536	693	588	888	988
Canada	1,195	983	1,950	1,217	1,557	1,757
European Union	6,069	5,044	5,621	5,877	6,626	6,303
Iran	1,348	1,418	618	1,418	1,618	1,418
Saudi Arabia	2,814	3,006	3,396	3,081	3,366	3,051
Ukraine	1,171	872	971	1,265	1,021	926
Others	6,750	5,549	7,648	7,087	6,992	5,870
Subtotal	21,353	18,625	22,075	21,837	23,272	21,417
United States	1,306	1,750	1,791	1,711	2,116	2,007
World Total	22,659	20,375	23,866	23,548	25,388	23,424

## Regional Barley Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	May 2016/ 17
<b>TY Imports</b>						
North America	620	499	639	781	715	625
South America	851	1,064	886	1,169	1,085	1,105
European Union - 28	364	53	58	269	100	100
Other Europe	207	126	163	120	160	155
Former Soviet Union - 12	696	378	352	226	255	280
Middle East	12,543	13,906	12,537	12,453	13,085	13,355
North Africa	1,480	1,884	2,432	2,581	2,475	2,750
Sub-Saharan Africa	100	52	116	138	90	90
East Asia	3,924	3,668	6,320	11,080	8,725	7,225
South Asia	67	6	13	24	16	16
Oceania	19	8	46	32	10	25
<b>Total</b>	<b>20,871</b>	<b>21,644</b>	<b>23,562</b>	<b>28,873</b>	<b>26,716</b>	<b>25,726</b>
<b>Production</b>						
North America	11,749	13,812	15,550	11,918	13,643	13,437
South America	5,507	5,884	5,737	3,769	5,173	4,380
European Union - 28	51,883	54,875	59,674	60,615	61,349	60,677
Other Europe	1,189	1,188	1,151	1,223	1,287	1,307
Former Soviet Union - 12	32,227	25,958	29,162	35,565	32,359	32,250
Middle East	11,705	9,689	12,047	8,653	12,858	10,718
North Africa	4,388	3,307	4,748	4,010	5,399	2,925
Sub-Saharan Africa	2,099	2,283	2,376	2,523	2,497	2,600
East Asia	1,962	1,920	1,991	2,134	2,088	2,297
South Asia	2,081	1,956	2,261	2,340	2,113	2,232
Oceania	8,538	7,911	9,591	8,420	9,152	8,900
<b>Total</b>	<b>133,328</b>	<b>128,783</b>	<b>144,288</b>	<b>141,170</b>	<b>147,918</b>	<b>141,723</b>
<b>Domestic Consumption</b>						
North America	11,786	12,347	13,245	11,556	11,938	12,294
South America	3,052	3,152	3,528	3,403	3,660	3,553
European Union - 28	51,200	51,000	53,400	50,900	50,900	52,400
Other Europe	1,366	1,298	1,298	1,354	1,389	1,409
Former Soviet Union - 12	26,268	22,339	23,460	24,724	24,655	24,690
Middle East	22,016	22,435	24,410	22,250	25,271	24,816
North Africa	6,186	5,560	6,230	7,159	7,303	6,708
Sub-Saharan Africa	2,133	2,285	2,480	2,555	2,638	2,640
East Asia	5,580	5,812	8,009	13,192	10,980	9,660
South Asia	2,008	1,868	1,715	1,915	1,969	2,088
Oceania	3,650	3,425	3,250	3,350	3,050	3,050
<b>Total</b>	<b>135,245</b>	<b>131,521</b>	<b>141,025</b>	<b>142,358</b>	<b>143,753</b>	<b>143,308</b>
<b>Ending Stocks</b>						
North America	2,621	3,014	3,974	3,326	4,073	4,149
South America	544	657	816	711	766	748
European Union - 28	6,069	5,044	5,621	5,877	6,626	6,303
Other Europe	202	220	205	166	176	171
Former Soviet Union - 12	2,760	2,194	2,605	3,406	2,190	2,050
Middle East	5,940	5,736	5,788	5,514	6,411	5,743
North Africa	2,424	1,715	2,480	2,138	2,629	1,796
Sub-Saharan Africa	283	330	338	442	389	439
East Asia	961	736	1,038	1,060	893	755
South Asia	280	141	253	266	281	241
Oceania	575	588	748	642	954	1,029
<b>Total</b>	<b>22,659</b>	<b>20,375</b>	<b>23,866</b>	<b>23,548</b>	<b>25,388</b>	<b>23,424</b>

NOTES: Regional definitions appear on last page of this circular. Imports are reported on a trade year basis. All other data are reported using local marketing years.

**World Sorghum Trade**  
October/ September Year, Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17 May
<b>TY Exports</b>						
Argentina	2,163	3,059	953	954	1,050	1,200
Australia	1,185	1,425	405	1,699	1,000	1,000
Brazil	0	2	11	13	30	25
Ethiopia	75	75	75	75	25	25
India	131	231	88	121	50	100
Nigeria	75	50	50	100	50	100
Ukraine	113	124	229	156	130	50
Others	157	191	217	170	152	140
Subtotal	3,899	5,157	2,028	3,288	2,487	2,640
United States	1,549	2,136	5,717	9,249	7,400	5,500
World Total	5,448	7,293	7,745	12,537	9,887	8,140
<b>TY Imports</b>						
Chile	544	404	109	98	150	150
China	84	631	4,161	10,162	6,800	5,000
Colombia	592	591	104	0	50	50
Ethiopia	30	50	50	75	150	50
European Union	126	291	184	131	120	150
Japan	1,481	1,897	1,003	903	850	850
Kenya	74	102	94	79	100	100
Mexico	1,369	1,793	162	29	700	700
Pakistan	11	10	14	32	130	50
South Sudan	13	6	125	100	100	50
Others	766	841	752	403	510	375
Subtotal	5,090	6,616	6,758	12,012	9,660	7,525
Unaccounted	355	434	984	498	117	590
United States	3	243	3	27	110	25
World Total	5,448	7,293	7,745	12,537	9,887	8,140

TY= Trade Year, see Endnotes.

World Sorghum Production, Consumption, and Stocks  
Local Marketing Years, Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17 May
<b>Production</b>						
Argentina	4,200	4,700	4,400	3,500	3,600	3,900
Australia	2,239	2,230	1,282	2,104	2,100	2,200
Brazil	2,222	2,102	1,890	2,055	1,850	2,000
Burkina	1,500	1,924	1,880	1,708	1,671	1,800
Cameroon	1,150	1,100	1,150	1,150	1,150	1,150
Chad	648	1,172	745	900	817	900
China	2,051	2,556	2,892	2,885	3,000	3,200
Ethiopia	3,951	3,604	3,829	4,000	2,600	3,700
India	5,979	5,281	5,542	5,450	5,050	5,500
Mali	1,191	1,212	820	1,272	1,300	1,300
Mexico	6,425	6,174	8,500	6,270	5,700	6,900
Niger	807	1,376	1,320	1,426	1,300	1,300
Nigeria	6,900	5,943	6,592	6,700	6,150	6,500
South Sudan	480	650	680	990	900	900
Sudan	4,605	4,524	2,249	6,281	2,388	5,500
Others	7,439	6,768	7,206	7,242	6,924	6,902
Subtotal	51,787	51,316	50,977	53,933	46,500	53,652
United States	5,410	6,293	9,966	10,988	15,158	10,338
World Total	57,197	57,609	60,943	64,921	61,658	63,990
<b>Total Consumption</b>						
Argentina	1,900	2,300	2,700	2,800	2,800	2,950
Australia	1,105	1,105	905	505	1,105	1,105
Brazil	2,175	2,300	2,000	2,000	1,850	1,900
Burkina	1,550	1,850	1,900	1,700	1,700	1,800
Cameroon	1,175	1,110	1,165	1,175	1,175	1,175
China	2,200	3,200	6,800	12,900	9,900	8,300
Ethiopia	3,700	3,700	3,900	4,100	2,900	3,650
European Union	760	795	880	995	890	920
India	6,000	5,150	5,200	5,100	5,300	5,450
Mali	1,300	1,200	950	1,200	1,300	1,300
Mexico	8,100	8,100	8,300	6,600	6,500	7,500
Niger	950	1,200	1,300	1,450	1,400	1,300
Nigeria	6,800	5,900	6,550	6,650	6,050	6,400
South Sudan	480	650	750	1,050	1,000	1,000
Sudan	4,500	4,700	2,550	6,000	2,900	5,500
Others	10,414	10,607	8,651	8,708	8,337	8,311
Subtotal	54,592	52,667	55,568	62,765	55,761	59,364
United States	3,916	4,796	4,127	2,429	6,097	5,080
World Total	58,508	57,463	59,695	65,194	61,858	64,444
<b>Ending Stocks</b>						
Argentina	164	781	1,202	971	871	521
Australia	230	195	187	136	131	226
Brazil	472	272	151	193	163	238
China	366	326	568	706	581	471
India	206	109	364	593	293	243
Mexico	418	285	647	338	238	338
Sudan	609	588	357	723	331	376
Others	1,603	1,856	1,705	1,644	1,309	1,355
Subtotal	4,068	4,412	5,181	5,304	3,917	3,768
United States	583	385	864	468	1,655	1,350
World Total	4,651	4,797	6,045	5,772	5,572	5,118

## Regional Sorghum Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	May 2016/ 17
<b>TY Imports</b>						
North America	1,372	2,036	165	56	810	725
South America	1,199	1,071	239	114	240	240
European Union - 28	126	291	184	131	120	150
Other Europe	0	0	0	0	0	0
Middle East	101	194	232	22	20	15
North Africa	54	1	41	1	5	5
Sub-Saharan Africa	558	587	558	527	725	445
East Asia	1,655	2,650	5,281	11,142	7,705	5,905
Southeast Asia	13	18	46	14	15	15
Others	15	11	15	32	130	50
<b>Total</b>	<b>5,093</b>	<b>6,859</b>	<b>6,761</b>	<b>12,039</b>	<b>9,770</b>	<b>7,550</b>
<b>Production</b>						
North America	11,835	12,467	18,466	17,258	20,858	17,238
Central America	312	339	335	335	335	335
Caribbean	92	92	94	94	94	94
South America	7,247	7,495	7,081	6,404	6,292	6,777
European Union - 28	671	473	703	883	769	775
Middle East	764	814	789	691	635	635
North Africa	847	763	754	755	755	755
Sub-Saharan Africa	24,790	24,708	22,472	27,678	21,377	26,199
East Asia	2,054	2,560	2,895	2,887	3,002	3,202
South Asia	6,116	5,404	5,661	5,553	5,195	5,630
Southeast Asia	54	55	57	55	55	50
Oceania	2,239	2,230	1,282	2,104	2,100	2,200
Others	176	209	354	224	191	100
<b>Total</b>	<b>57,197</b>	<b>57,609</b>	<b>60,943</b>	<b>64,921</b>	<b>61,658</b>	<b>63,990</b>
<b>Domestic Consumption</b>						
North America	12,016	12,896	12,427	9,029	12,597	12,580
Central America	320	325	325	330	340	335
Caribbean	92	92	94	94	94	94
South America	6,104	6,076	5,749	5,804	5,637	5,907
European Union - 28	760	795	880	995	890	920
Middle East	789	1,052	894	864	670	645
North Africa	908	756	793	755	755	755
Sub-Saharan Africa	24,889	24,914	23,137	27,670	22,641	26,319
East Asia	3,771	5,221	7,951	13,911	10,760	9,210
South Asia	6,148	5,283	5,334	5,235	5,575	5,630
Southeast Asia	68	68	64	95	65	66
Oceania	1,105	1,105	905	505	1,105	1,105
Others	55	80	75	75	75	75
<b>Total</b>	<b>57,025</b>	<b>58,663</b>	<b>58,628</b>	<b>65,362</b>	<b>61,204</b>	<b>63,641</b>
<b>Ending Stocks</b>						
North America	1,001	670	1,511	806	1,893	1,688
Central America	23	30	33	38	28	23
South America	718	1,146	1,467	1,237	1,112	852
European Union - 28	13	5	18	23	17	17
Middle East	56	65	47	39	24	29
North Africa	60	66	68	69	74	79
Sub-Saharan Africa	1,876	2,073	1,647	2,026	1,337	1,442
East Asia	451	413	627	736	608	495
South Asia	206	109	364	593	293	243
Oceania	230	195	187	136	131	226
Others	17	25	76	69	55	24
<b>Total</b>	<b>4,651</b>	<b>4,797</b>	<b>6,045</b>	<b>5,772</b>	<b>5,572</b>	<b>5,118</b>

NOTES: Regional definitions appear on last page of this circular. Imports are reported on a trade year basis. All other data are reported using local marketing years.

World Oats Trade  
October/ September Year, Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17 May
<b>TY Exports</b>						
Argentina	13	2	2	2	5	5
Australia	174	240	270	270	300	300
Canada	1,763	1,351	1,732	1,729	1,600	1,700
Chile	106	41	49	84	75	75
European Union	176	126	291	231	230	200
Russia	18	4	6	14	20	10
Ukraine	2	2	6	46	70	70
Others	7	10	14	8	10	10
Subtotal	2,259	1,776	2,370	2,384	2,310	2,370
United States	28	18	29	23	30	30
World Total	2,287	1,794	2,399	2,407	2,340	2,400
<b>TY Imports</b>						
Albania	0	0	0	3	5	5
Algeria	9	7	12	24	30	25
Bosnia and Herzegovina	3	2	3	4	5	5
Canada	11	9	27	12	10	15
China	68	87	116	162	200	200
Colombia	1	1	2	2	5	5
Ecuador	22	19	21	21	20	20
European Union	3	4	3	4	5	5
Japan	54	51	46	47	50	50
Mexico	134	108	93	86	100	100
Norway	49	36	38	2	10	10
Serbia	2	2	2	2	5	5
South Africa	11	11	19	46	50	50
Switzerland	56	44	51	49	50	50
Turkey	4	0	0	4	5	5
Others	15	6	8	8	5	5
Subtotal	442	387	441	476	555	555
Unaccounted	115	52	92	172	285	245
United States	1,730	1,355	1,866	1,759	1,500	1,600
World Total	2,287	1,794	2,399	2,407	2,340	2,400

TY= Trade Year, see Endnotes.

**World Oats Production, Consumption, and Stocks**  
Local Marketing Years, Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17 May
<b>Production</b>						
Algeria	67	110	110	110	110	110
Argentina	345	496	445	525	553	500
Australia	1,262	1,121	1,255	1,087	1,300	1,200
Belarus	448	422	352	522	400	400
Brazil	354	361	380	350	350	350
Canada	3,158	2,830	3,906	2,979	3,430	3,300
Chile	451	680	610	421	470	475
China	600	600	580	600	600	600
European Union	7,927	7,909	8,380	7,854	7,524	7,910
Kazakhstan	258	200	305	226	244	275
Mexico	51	84	91	93	87	90
Norway	231	232	214	236	236	240
Russia	5,332	4,027	4,932	5,267	4,527	4,500
Turkey	218	210	210	210	210	210
Ukraine	506	630	467	610	498	500
Others	372	315	318	296	349	343
Subtotal	21,580	20,227	22,555	21,386	20,888	21,003
United States	728	892	938	1,019	1,300	987
World Total	22,308	21,119	23,493	22,405	22,188	21,990
<b>Total Consumption</b>						
Algeria	75	119	118	126	140	135
Argentina	350	500	425	525	550	500
Australia	1,100	925	950	875	950	900
Belarus	450	400	375	500	400	400
Brazil	350	350	375	345	340	350
Canada	1,361	1,592	1,660	1,673	1,650	1,650
Chile	400	600	570	355	375	400
China	625	675	700	750	825	850
European Union	7,800	7,700	8,075	7,675	7,575	7,650
Kazakhstan	225	225	275	225	245	270
Mexico	185	195	185	175	190	190
Norway	270	295	245	245	245	255
Russia	5,000	4,300	4,900	5,200	4,600	4,500
Turkey	215	215	215	215	215	215
Ukraine	500	600	475	600	430	430
Others	519	451	491	471	544	538
Subtotal	19,589	19,217	20,254	19,975	19,507	19,440
United States	2,499	2,743	2,757	2,424	2,735	2,696
World Total	22,088	21,960	23,011	22,399	22,242	22,136
<b>Ending Stocks</b>						
Argentina	55	49	67	65	63	58
Australia	134	60	105	57	107	107
Canada	805	446	1,054	681	871	836
Chile	25	61	45	27	47	47
China	127	139	135	147	122	72
European Union	795	901	894	858	582	647
Russia	485	203	230	289	196	186
Others	226	222	201	192	187	177
Subtotal	2,652	2,081	2,731	2,316	2,175	2,130
United States	797	527	359	780	867	766
World Total	3,449	2,608	3,090	3,096	3,042	2,896



## Regional Oats Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	May 2016/ 17
<b>TY Imports</b>						
North America	1,875	1,472	1,986	1,857	1,610	1,715
South America	31	26	29	30	30	30
European Union - 28	3	4	3	4	5	5
Other Europe	110	84	94	60	75	75
Former Soviet Union - 12	7	0	2	1	0	0
Middle East	4	0	0	4	5	5
North Africa	9	7	12	24	30	25
Sub-Saharan Africa	11	11	19	46	50	50
East Asia	122	138	162	209	250	250
Oceania	0	0	0	0	0	0
<b>Total</b>	<b>2,172</b>	<b>1,742</b>	<b>2,307</b>	<b>2,235</b>	<b>2,055</b>	<b>2,155</b>
<b>Production</b>						
North America	3,937	3,806	4,935	4,091	4,817	4,377
South America	1,191	1,577	1,478	1,324	1,434	1,376
European Union - 28	7,927	7,909	8,380	7,854	7,524	7,910
Other Europe	373	365	348	369	372	375
Former Soviet Union - 12	6,549	5,285	6,062	6,631	5,675	5,681
Middle East	218	210	210	210	210	210
North Africa	163	166	156	147	166	175
Sub-Saharan Africa	57	60	59	55	55	55
East Asia	602	602	582	602	601	601
Oceania	1,291	1,139	1,283	1,122	1,334	1,230
<b>Total</b>	<b>22,308</b>	<b>21,119</b>	<b>23,493</b>	<b>22,405</b>	<b>22,188</b>	<b>21,990</b>
<b>Domestic Consumption</b>						
North America	4,045	4,530	4,602	4,272	4,575	4,536
South America	1,167	1,515	1,447	1,285	1,356	1,331
European Union - 28	7,800	7,700	8,075	7,675	7,575	7,650
Other Europe	478	474	434	434	447	456
Former Soviet Union - 12	6,180	5,531	6,031	6,531	5,681	5,606
Middle East	215	215	215	215	215	215
North Africa	172	175	164	163	196	200
Sub-Saharan Africa	53	72	95	94	105	105
East Asia	685	730	750	800	875	900
Oceania	1,129	943	978	910	984	930
<b>Total</b>	<b>21,924</b>	<b>21,885</b>	<b>22,791</b>	<b>22,379</b>	<b>22,009</b>	<b>21,929</b>
<b>Ending Stocks</b>						
North America	1,605	974	1,417	1,467	1,741	1,605
South America	93	128	129	105	128	118
European Union - 28	795	901	894	858	582	647
Other Europe	48	27	41	38	38	32
Former Soviet Union - 12	592	332	346	397	296	286
Middle East	18	13	8	6	6	6
North Africa	1	1	1	1	1	1
Sub-Saharan Africa	29	28	11	18	18	18
East Asia	134	144	138	149	125	76
Oceania	134	60	105	57	107	107
<b>Total</b>	<b>3,449</b>	<b>2,608</b>	<b>3,090</b>	<b>3,096</b>	<b>3,042</b>	<b>2,896</b>

NOTES: Regional definitions appear on last page of this circular. Imports are reported on a trade year basis. All other data are reported using local marketing years.

**World Rye Trade**  
October/ September Year, Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17 May
<b>TY Exports</b>						
Belarus	25	25	5	5	5	5
Canada	159	178	97	89	100	150
European Union	59	122	201	167	150	150
Russia	284	79	83	121	50	100
Ukraine	9	16	59	13	20	10
Others	4	1	1	1	0	0
Subtotal	540	421	446	396	325	415
United States	8	7	6	3	5	5
World Total	548	428	452	399	330	420
<b>TY Imports</b>						
European Union	302	68	96	96	70	100
Israel	11	34	33	18	15	25
Japan	46	27	37	22	15	20
Korea, South	11	12	8	4	10	10
Norway	11	21	16	5	15	20
Russia	0	25	5	5	5	5
Switzerland	2	9	6	6	5	5
Others	9	4	1	6	0	0
Subtotal	392	200	202	162	135	185
Unaccounted	-18	7	46	-25	-5	35
United States	174	221	204	262	200	200
World Total	548	428	452	399	330	420

TY= Trade Year, see Endnotes.

**World Rye Production, Consumption, and Stocks**  
Local Marketing Years, Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	2016/ 17 May
<b>Production</b>						
Argentina	45	40	52	97	61	75
Belarus	801	1,082	648	867	800	800
Canada	241	337	223	218	225	325
European Union	6,900	8,763	10,151	8,868	7,816	8,060
Russia	2,967	2,132	3,360	3,279	2,084	2,500
Turkey	366	370	365	300	350	350
Ukraine	579	676	638	475	394	350
Others	137	146	126	144	121	138
Subtotal	12,036	13,546	15,563	14,248	11,851	12,598
United States	154	166	194	183	292	190
World Total	12,190	13,712	15,757	14,431	12,143	12,788
<b>Total Consumption</b>						
Argentina	45	40	52	97	61	75
Australia	40	40	19	19	22	25
Belarus	750	1,000	650	850	800	850
Canada	101	127	107	134	123	140
European Union	7,400	8,700	9,650	8,600	8,100	8,200
Kazakhstan	30	50	40	65	37	50
Norway	27	26	28	20	27	32
Russia	2,850	2,000	3,100	3,250	2,175	2,350
Turkey	375	375	350	325	350	350
Ukraine	625	625	625	475	400	350
Others	132	132	140	102	96	112
Subtotal	12,346	13,146	14,766	13,947	12,157	12,540
United States	311	387	424	406	481	445
World Total	12,657	13,533	15,190	14,353	12,638	12,985
<b>Ending Stocks</b>						
Belarus	110	167	160	172	167	112
Canada	25	46	44	42	44	79
European Union	747	795	1,204	1,390	1,026	836
Kazakhstan	3	3	8	4	4	4
Russia	129	153	344	264	128	183
Turkey	24	18	33	14	14	14
Ukraine	132	166	128	106	80	70
Others	5	7	4	3	2	1
Subtotal	1,175	1,355	1,925	1,995	1,465	1,299
United States	11	10	7	15	50	19
World Total	1,186	1,365	1,932	2,010	1,515	1,318

Regional Rye Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2011/ 12	2012/ 13	2013/ 14	2014/ 15	2015/ 16	May 2016/ 17
<b>TY Imports</b>						
North America	174	221	204	262	200	200
South America	0	0	0	0	0	0
European Union - 28	302	68	96	96	70	100
Other Europe	14	32	23	11	20	25
Former Soviet Union - 12	5	27	5	5	5	5
Middle East	14	34	33	24	15	25
Sub-Saharan Africa	0	0	0	0	0	0
East Asia	57	39	45	26	25	30
Oceania	0	0	0	0	0	0
<b>Total</b>	<b>566</b>	<b>421</b>	<b>406</b>	<b>424</b>	<b>335</b>	<b>385</b>
<b>Production</b>						
North America	395	503	417	401	517	515
South America	49	47	59	105	69	83
European Union - 28	6,900	8,763	10,151	8,868	7,816	8,060
Other Europe	62	46	53	52	51	52
Former Soviet Union - 12	4,375	3,940	4,689	4,682	3,315	3,700
Middle East	366	370	365	300	350	350
Sub-Saharan Africa	3	3	3	3	3	3
East Asia	0	0	0	0	0	0
Oceania	40	40	20	20	22	25
<b>Total</b>	<b>12,190</b>	<b>13,712</b>	<b>15,757</b>	<b>14,431</b>	<b>12,143</b>	<b>12,788</b>
<b>Domestic Consumption</b>						
North America	412	514	531	540	604	585
South America	49	47	59	105	69	83
European Union - 28	7,400	8,700	9,650	8,600	8,100	8,200
Other Europe	76	78	77	66	71	77
Former Soviet Union - 12	4,255	3,675	4,415	4,640	3,412	3,600
Middle East	386	409	383	343	365	375
Sub-Saharan Africa	2	2	3	3	3	3
East Asia	66	37	48	27	26	31
Oceania	40	40	19	19	22	25
<b>Total</b>	<b>12,686</b>	<b>13,502</b>	<b>15,185</b>	<b>14,343</b>	<b>12,672</b>	<b>12,979</b>
<b>Ending Stocks</b>						
North America	36	56	51	57	94	98
South America	0	0	0	0	0	0
European Union - 28	747	795	1,204	1,390	1,026	836
Other Europe	0	0	0	0	0	0
Former Soviet Union - 12	374	489	640	546	379	369
Middle East	24	18	33	14	14	14
Sub-Saharan Africa	0	0	0	0	0	0
East Asia	5	7	4	3	2	1
Oceania	0	0	0	0	0	0
<b>Total</b>	<b>1,186</b>	<b>1,365</b>	<b>1,932</b>	<b>2,010</b>	<b>1,515</b>	<b>1,318</b>

NOTES: Regional definitions appear on last page of this circular. Imports are reported on a trade year basis. All other data are reported using local marketing years.



# HISTORICAL DATA SERIES FOR SELECTED REGIONS AND COUNTRIES

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European Union: Grain Supply and Demand  
Wheat and Coarse Grains Millions of Metric Tons/ Hectares

	Area Harvested	Yield	Production	Imports	Exports	Feed Dom.	Domestic Consumption	Ending Stocks
<b>Wheat</b>								
2005/06	26.0	5.1	132.9	6.8	15.7	63.0	128.2	24.1
2006/07	24.7	5.1	125.7	5.2	13.9	60.2	126.2	14.8
2007/08	24.9	4.9	120.8	6.8	12.4	52.4	117.2	12.8
2008/09	26.8	5.7	151.9	7.7	25.4	60.5	127.6	19.4
2009/10	26.0	5.4	139.7	5.4	22.3	57.5	125.6	16.6
2010/11	26.0	5.3	136.7	4.6	23.1	52.5	122.8	11.9
2011/12	25.8	5.3	138.2	7.4	16.7	57.5	127.2	13.5
2012/13	26.0	5.2	133.9	5.3	22.8	51.0	119.3	10.7
2013/14	25.9	5.6	144.6	4.0	32.0	49.0	117.3	9.9
2014/15	26.7	5.9	156.8	6.0	35.4	54.0	123.5	13.8
2015/16	26.8	6.0	160.0	6.5	32.5	59.0	128.8	19.0
2016/17	26.8	5.8	156.5	5.5	34.5	56.5	126.8	19.7
<b>Coarse Grains</b>								
2005/06	33.2	4.5	149.7	2.7	4.3	112.4	150.9	22.8
2006/07	32.4	4.3	140.3	8.1	4.5	112.9	150.9	15.7
2007/08	32.7	4.2	138.8	20.3	4.5	121.6	157.2	13.1
2008/09	34.1	4.8	165.2	3.1	5.7	116.1	154.5	21.3
2009/10	33.0	4.8	158.0	2.9	3.0	114.8	152.8	26.3
2010/11	30.2	4.7	143.2	8.5	6.2	116.9	155.0	16.9
2011/12	30.2	5.0	150.1	7.0	6.5	113.2	151.7	15.7
2012/13	31.4	4.6	146.2	11.8	7.4	113.7	153.3	13.1
2013/14	31.5	5.1	159.2	16.3	8.6	122.4	164.4	15.6
2014/15	30.8	5.5	170.8	9.0	14.0	121.3	162.5	18.8
2015/16	30.1	5.0	151.2	15.5	11.8	116.9	157.7	16.1
2016/17	30.3	5.2	157.7	13.4	12.1	119.8	160.5	14.6
<b>Wheat and Coarse Grains</b>								
2005/06	59.2	4.8	282.5	9.4	20.0	175.4	279.1	46.9
2006/07	57.1	4.7	265.9	13.2	18.5	173.1	277.1	30.5
2007/08	57.5	4.5	259.6	27.1	16.9	174.1	274.3	25.9
2008/09	60.9	5.2	317.2	10.8	31.1	176.6	282.1	40.7
2009/10	59.0	5.0	297.7	8.2	25.3	172.3	278.4	42.9
2010/11	56.3	5.0	279.9	13.1	29.3	169.4	277.8	28.8
2011/12	56.1	5.1	288.3	14.3	23.3	170.7	278.9	29.3
2012/13	57.4	4.9	280.1	17.1	30.2	164.7	272.6	23.8
2013/14	57.4	5.3	303.8	20.3	40.7	171.4	281.7	25.5
2014/15	57.5	5.7	327.6	14.9	49.4	175.3	286.0	32.6
2015/16	56.9	5.5	311.3	22.0	44.3	175.9	286.5	35.1
2016/17	57.1	5.5	314.2	18.9	46.6	176.3	287.3	34.3

## China: Grain Supply and Demand

## Wheat and Coarse Grains Millions of Metric Tons/ Hectares

	Area Harvested	Yield	Productio n	Imports	Exports	Feed Dom.	Domestic Consumpti	Ending Stocks
<b>Wheat</b>								
2005/06	22.8	4.3	97.4	1.1	1.4	3.5	101.5	34.5
2006/07	23.6	4.6	108.5	0.4	2.8	4.0	102.0	38.6
2007/08	23.7	4.6	109.3	0.0	2.8	8.0	106.0	39.1
2008/09	23.6	4.8	112.5	0.5	0.7	8.0	105.5	45.8
2009/10	24.3	4.7	115.1	1.4	0.9	10.0	107.0	54.4
2010/11	24.3	4.7	115.2	0.9	0.9	13.0	110.5	59.1
2011/12	24.3	4.8	117.4	2.9	1.0	24.0	122.5	55.9
2012/13	24.3	5.0	121.0	3.0	1.0	25.0	125.0	54.0
2013/14	24.1	5.1	121.9	6.8	0.9	16.0	116.5	65.3
2014/15	24.1	5.2	126.2	1.9	0.8	16.0	116.5	76.1
2015/16	24.1	5.4	130.2	3.0	1.0	10.5	112.0	96.3
2016/17	24.3	5.3	130.0	3.2	1.0	9.5	110.5	118.0
<b>Coarse Grains</b>								
2005/06	28.8	5.1	147.8	2.3	3.8	103.5	147.1	36.9
2006/07	31.1	5.1	159.0	1.2	5.5	105.0	153.5	38.0
2007/08	31.9	5.0	159.2	1.2	0.9	106.7	157.9	39.5
2008/09	32.2	5.4	172.4	1.7	0.2	109.1	161.2	52.2
2009/10	33.4	5.1	169.8	3.8	0.2	119.1	173.3	52.3
2010/11	34.6	5.3	183.8	2.7	0.2	128.8	188.4	50.1
2011/12	35.5	5.6	198.6	7.9	0.1	132.0	196.2	60.4
2012/13	37.1	5.7	212.2	5.6	0.1	146.1	209.7	68.4
2013/14	38.3	5.9	225.4	12.4	0.0	157.8	223.5	82.7
2014/15	39.2	5.7	222.8	25.7	0.0	158.8	229.1	102.0
2015/16	40.2	5.8	231.8	16.5	0.0	167.1	239.4	110.8
2016/17	38.1	5.9	225.7	12.2	0.0	170.9	246.2	102.5
<b>Wheat and Coarse Grains</b>								
2005/06	51.6	4.8	245.3	3.4	5.2	107.0	248.6	71.4
2006/07	54.7	4.9	267.4	1.5	8.2	109.0	255.5	76.6
2007/08	55.6	4.8	268.5	1.2	3.7	114.7	263.9	78.6
2008/09	55.8	5.1	284.9	2.1	0.9	117.1	266.7	98.0
2009/10	57.6	4.9	284.9	5.2	1.1	129.1	280.3	106.7
2010/11	58.9	5.1	299.0	3.6	1.1	141.8	298.9	109.2
2011/12	59.8	5.3	316.0	10.9	1.1	156.0	318.7	116.3
2012/13	61.3	5.4	333.2	8.6	1.1	171.1	334.7	122.3
2013/14	62.4	5.6	347.3	19.2	0.9	173.8	340.0	147.9
2014/15	63.3	5.5	349.0	27.6	0.8	174.8	345.6	178.1
2015/16	64.3	5.6	362.0	19.5	1.0	177.6	351.4	207.1
2016/17	62.4	5.7	355.7	15.4	1.0	180.4	356.7	220.5

Other Europe: Grain Supply and Demand  
Wheat and Coarse Grains Millions of Metric Tons/ Hectares

	Area Harvested	Yield	Production	Imports	Exports	Feed Dom.	Domestic Consumption	Ending Stocks
<b>Wheat</b>								
2005/06	1.0	3.8	3.8	1.4	0.2	0.9	5.1	1.1
2006/07	1.0	3.6	3.5	1.5	0.3	0.7	4.6	1.2
2007/08	1.0	3.8	3.7	1.9	0.5	1.0	4.8	1.5
2008/09	0.9	4.4	4.0	1.7	0.4	1.2	5.1	1.7
2009/10	1.0	3.9	3.8	1.7	0.5	1.0	4.9	1.7
2010/11	0.9	3.7	3.2	1.7	0.6	0.8	4.7	1.3
2011/12	0.9	4.2	3.6	1.9	0.5	1.0	4.9	1.4
2012/13	0.9	4.0	3.4	1.6	0.7	1.0	4.7	1.1
2013/14	0.9	4.4	4.1	1.9	1.3	1.1	4.8	0.9
2014/15	1.0	3.9	3.9	1.8	0.7	1.1	4.8	1.1
2015/16	0.9	4.5	4.0	1.9	0.9	1.1	4.9	1.2
2016/17	1.0	4.1	4.0	1.8	0.9	1.2	5.0	1.2
<b>Coarse Grains</b>								
2005/06	2.1	4.8	10.1	0.6	1.3	8.5	9.7	1.3
2006/07	2.0	4.9	9.8	0.8	0.9	8.5	9.6	1.3
2007/08	2.0	3.4	6.9	0.9	0.1	6.8	7.9	1.1
2008/09	2.1	4.6	9.7	0.6	1.5	7.6	8.7	1.1
2009/10	2.0	4.9	9.7	0.7	1.4	7.5	8.7	1.4
2010/11	2.0	5.0	10.0	0.7	2.0	7.3	8.7	1.5
2011/12	2.1	4.6	9.5	0.8	2.3	7.0	8.4	1.0
2012/13	2.1	3.2	6.6	0.7	0.6	5.9	7.1	0.6
2013/14	2.0	4.4	8.8	0.9	1.9	6.3	7.7	0.8
2014/15	1.9	5.7	10.6	0.8	3.1	6.7	8.0	1.1
2015/16	1.8	4.9	8.9	0.9	1.8	6.9	8.3	0.9
2016/17	1.9	5.3	10.0	0.9	2.3	6.9	8.3	1.2
<b>Wheat and Coarse Grains</b>								
2005/06	3.1	4.5	13.9	2.0	1.4	9.4	14.8	2.4
2006/07	3.0	4.5	13.3	2.3	1.2	9.2	14.2	2.5
2007/08	3.0	3.5	10.6	2.7	0.6	7.8	12.6	2.6
2008/09	3.0	4.6	13.7	2.3	1.9	8.8	13.8	2.8
2009/10	3.0	4.5	13.5	2.4	1.9	8.5	13.7	3.2
2010/11	2.9	4.6	13.2	2.4	2.6	8.1	13.4	2.7
2011/12	2.9	4.5	13.1	2.7	2.8	8.1	13.2	2.5
2012/13	2.9	3.4	10.0	2.4	1.3	7.0	11.8	1.7
2013/14	2.9	4.4	12.9	2.7	3.1	7.4	12.5	1.7
2014/15	2.8	5.1	14.5	2.5	3.7	7.8	12.8	2.1
2015/16	2.7	4.8	13.0	2.7	2.6	8.0	13.1	2.1
2016/17	2.8	4.9	14.0	2.7	3.1	8.2	13.3	2.4



Former Soviet Union: Grain Supply and Demand  
Wheat and Coarse Grains Millions of Metric Tons/ Hectares

	Area Harvested	Yield	Productio n	Imports	Exports	Feed Dom.	Domestic Consumpti	Ending Stocks
<b>Wheat</b>								
2010/11	45.8	1.8	81.0	5.5	13.9	24.4	75.6	23.1
2011/12	49.7	2.3	115.0	8.0	39.7	28.4	80.0	26.4
2012/13	44.0	1.8	77.8	7.2	25.4	21.6	71.7	14.3
2013/14	47.7	2.2	103.9	7.5	37.2	22.7	72.8	15.7
2014/15	46.7	2.4	112.7	7.7	40.2	24.7	75.9	20.1
2015/16	49.0	2.4	117.6	7.8	48.3	25.7	78.0	19.2
2016/17	47.6	2.4	115.8	7.5	43.6	26.3	79.0	19.9
<b>Coarse Grains</b>								
2010/11	21.9	2.2	47.5	1.1	8.8	28.4	41.8	5.5
2011/12	27.0	2.9	78.6	1.0	24.7	38.6	54.4	6.1
2012/13	27.5	2.5	68.2	0.7	19.9	35.6	50.2	5.0
2013/14	29.4	3.0	87.8	0.8	30.8	40.0	55.7	7.0
2014/15	30.2	3.0	91.6	0.8	33.9	42.1	58.1	7.4
2015/16	28.2	2.9	82.5	0.7	29.9	40.6	55.8	4.9
2016/17	28.4	3.1	86.7	0.7	30.2	41.7	57.1	5.1

## Former Soviet Union: Grain Supply and Demand (Wheat)

Millions of Tons/ Hectares

Country Mktg Year	Area Harvested	Yield	Production	MY Imports	MY Exports	Feed and Residual	Total Consumption	Ending Stocks
<b>Former Soviet Union - 12</b>								
<b>Kazakhstan</b>								
2013/14	13.0	1.1	13.9	0.0	8.1	2.0	6.8	2.0
2014/15	11.9	1.1	13.0	0.6	5.5	2.0	6.8	3.2
2015/16	11.6	1.2	13.7	0.1	7.5	2.1	6.9	2.7
2016/17	11.0	1.2	13.0	0.1	7.0	2.1	6.9	1.8
<b>Russia</b>								
2013/14	23.4	2.2	52.1	0.9	18.6	12.5	34.1	5.2
2014/15	23.6	2.5	59.1	0.3	22.8	13.0	35.5	6.3
2015/16	25.6	2.4	61.0	0.8	24.5	14.0	37.0	6.6
2016/17	25.5	2.5	63.0	0.5	24.5	14.5	37.5	8.1
<b>Ukraine</b>								
2013/14	6.6	3.4	22.3	0.1	9.8	3.4	11.5	3.7
2014/15	6.3	3.9	24.8	0.0	11.3	4.0	12.0	5.2
2015/16	7.1	3.8	27.3	0.1	15.5	4.5	12.5	4.5
2016/17	6.4	3.8	24.0	0.1	11.5	4.5	12.5	4.6
<b>Uzbekistan</b>								
2013/14	1.4	4.9	6.8	2.2	0.3	1.9	8.4	1.9
2014/15	1.4	5.1	7.2	2.2	0.2	2.2	8.9	2.2
2015/16	1.4	5.1	7.2	2.6	0.2	2.2	9.3	2.5
2016/17	1.4	5.1	7.2	2.5	0.2	2.2	9.5	2.5
<b>Other Former Soviet Union - 12</b>								
2013/14	3.4	2.6	8.8	4.3	0.4	2.9	12.0	3.0
2014/15	3.4	2.6	8.8	4.5	0.4	3.5	12.7	3.2
2015/16	3.3	2.5	8.3	4.3	0.6	2.9	12.3	2.9
2016/17	3.3	2.6	8.6	4.4	0.4	3.0	12.6	2.9
<b>Total Former Soviet Union - 12</b>								
2013/14	47.7	2.2	103.9	7.5	37.2	22.7	72.8	15.7
2014/15	46.7	2.4	112.7	7.7	40.2	24.7	75.9	20.1
2015/16	49.0	2.4	117.6	7.8	48.3	25.7	78.0	19.2
2016/17	47.6	2.4	115.8	7.5	43.6	26.3	79.0	19.9

## Former Soviet Union: Grain Supply and Demand (Barley)

Millions of Tons/ Hectares

Country Mktg Year	Area Harvested	Yield	Production	MY Imports	MY Exports	Feed and Residual	Total Consumption	Ending Stocks
<b>Former Soviet Union - 12</b>								
<b>Kazakhstan</b>								
2013/14	1.8	1.4	2.5	0.0	0.4	1.7	2.0	0.3
2014/15	1.9	1.3	2.4	0.0	0.5	1.7	2.0	0.2
2015/16	2.0	1.3	2.7	0.0	0.8	1.7	2.0	0.1
2016/17	2.1	1.3	2.7	0.0	0.7	1.8	2.1	0.1
<b>Russia</b>								
2013/14	8.0	1.9	15.4	0.2	2.7	8.3	12.7	0.9
2014/15	8.8	2.3	20.0	0.0	5.3	9.2	14.1	1.5
2015/16	8.0	2.1	17.1	0.1	4.0	9.1	13.9	0.8
2016/17	8.1	2.2	17.8	0.1	4.0	9.0	13.8	0.8
<b>Ukraine</b>								
2013/14	3.2	2.3	7.6	0.0	2.5	3.5	5.0	1.0
2014/15	3.2	3.0	9.5	0.0	4.5	3.2	4.7	1.3
2015/16	3.0	2.9	8.8	0.0	4.3	3.2	4.7	1.0
2016/17	2.7	2.9	7.8	0.0	3.2	3.2	4.7	0.9
<b>Uzbekistan</b>								
2013/14	0.1	3.2	0.2	0.0	0.0	0.2	0.3	0.0
2014/15	0.1	3.2	0.2	0.1	0.0	0.2	0.3	0.0
2015/16	0.1	3.2	0.2	0.1	0.0	0.3	0.3	0.0
2016/17	0.1	3.2	0.2	0.1	0.0	0.3	0.3	0.0
<b>Other Former Soviet Union - 12</b>								
2013/14	1.3	2.6	3.4	0.1	0.0	2.7	3.5	0.4
2014/15	1.3	2.7	3.4	0.2	0.1	2.8	3.6	0.3
2015/16	1.4	2.6	3.6	0.1	0.1	2.9	3.7	0.3
2016/17	1.4	2.7	3.8	0.1	0.1	3.0	3.8	0.3
<b>Total Former Soviet Union - 12</b>								
2013/14	14.5	2.0	29.2	0.3	5.6	16.4	23.5	2.6
2014/15	15.3	2.3	35.6	0.3	10.3	17.1	24.7	3.4
2015/16	14.5	2.2	32.4	0.3	9.2	17.2	24.7	2.2
2016/17	14.4	2.2	32.3	0.3	8.0	17.2	24.7	2.1

Former Soviet Union: Grain Supply and Demand (Corn)  
Millions of Tons/ Hectares

Country Mktg Year	Area Harvested	Yield	Production	MY Imports	MY Exports	Feed and Residual	Total Consumption	Ending Stocks
<b>Former Soviet Union - 12</b>								
<b>Kazakhstan</b>								
2013/14	0.1	5.3	0.6	0.0	0.0	0.5	0.6	0.0
2014/15	0.1	5.3	0.7	0.0	0.0	0.5	0.6	0.1
2015/16	0.1	5.3	0.7	0.0	0.1	0.5	0.6	0.2
2016/17	0.2	5.3	0.8	0.0	0.1	0.6	0.7	0.1
<b>Russia</b>								
2013/14	2.3	5.0	11.6	0.1	4.2	6.6	7.5	0.3
2014/15	2.6	4.4	11.3	0.0	3.2	7.2	8.1	0.3
2015/16	2.7	4.9	13.2	0.1	4.2	8.0	8.9	0.5
2016/17	2.9	4.8	14.0	0.1	4.5	8.6	9.5	0.5
<b>Ukraine</b>								
2013/14	4.8	6.4	30.9	0.1	20.0	8.3	9.7	2.4
2014/15	4.6	6.2	28.5	0.0	19.7	8.0	9.4	1.8
2015/16	4.1	5.7	23.3	0.1	16.0	7.0	8.4	0.8
2016/17	4.2	6.2	26.0	0.1	17.0	7.3	8.7	1.2
<b>Uzbekistan</b>								
2013/14	0.0	3.4	0.1	0.0	0.0	0.1	0.1	0.0
2014/15	0.0	3.4	0.1	0.0	0.0	0.1	0.2	0.0
2015/16	0.0	3.4	0.1	0.0	0.0	0.1	0.1	0.0
2016/17	0.0	3.4	0.1	0.0	0.0	0.1	0.1	0.0
<b>Other Former Soviet Union - 12</b>								
2013/14	1.0	3.8	3.7	0.3	0.6	2.9	3.2	0.6
2014/15	0.9	3.7	3.2	0.4	0.3	2.9	3.2	0.8
2015/16	0.9	3.1	2.8	0.3	0.2	2.8	3.1	0.6
2016/17	0.9	3.7	3.2	0.3	0.3	2.9	3.2	0.6
<b>Total Former Soviet Union - 12</b>								
2013/14	8.3	5.7	46.9	0.4	24.8	18.4	21.1	3.4
2014/15	8.3	5.3	43.8	0.5	23.2	18.8	21.5	3.0
2015/16	7.8	5.1	40.1	0.4	20.4	18.5	21.2	2.0
2016/17	8.2	5.4	44.2	0.4	22.0	19.5	22.3	2.4

Wheat Supply and Disappearance: Selected Exporters  
Million Metric Tons/ Hectares

Country Mktg Year	Area Harvested	Yield	Production	MY Imports	MY Exports	Feed and Residual	Total Consumption	Ending Stocks
<b>Wheat Competitors</b>								
<b>Argentina</b>								
2012/13	3.6	2.6	9.3	0.0	3.6	0.3	6.2	0.3
2013/14	3.5	3.0	10.5	0.0	2.3	0.1	6.1	2.5
2014/15	5.0	2.8	14.0	0.0	5.3	0.3	6.4	4.9
2015/16	3.8	3.0	11.3	0.0	8.5	0.1	6.2	1.5
2016/17	4.8	3.0	14.5	0.0	8.5	0.1	6.3	1.2
<b>Australia</b>								
2012/13	13.0	1.8	22.9	0.1	18.6	3.4	6.7	4.7
2013/14	12.6	2.0	25.3	0.2	18.6	3.6	7.0	4.6
2014/15	12.2	1.9	23.1	0.2	16.6	3.8	7.2	4.0
2015/16	12.8	1.9	24.5	0.2	16.5	3.8	7.2	4.9
2016/17	13.0	1.9	25.0	0.2	17.0	4.0	7.5	5.6
<b>Canada</b>								
2012/13	9.5	2.9	27.2	0.5	19.0	4.3	9.6	5.1
2013/14	10.4	3.6	37.5	0.4	23.3	4.2	9.4	10.4
2014/15	9.5	3.1	29.4	0.5	24.2	3.7	9.1	7.1
2015/16	9.6	2.9	27.6	0.5	22.5	3.6	8.8	3.9
2016/17	9.5	3.0	28.5	0.5	20.0	3.6	8.8	4.0
<b>European Union</b>								
2012/13	26.0	5.2	133.9	5.3	22.8	51.0	119.3	10.7
2013/14	25.9	5.6	144.6	4.0	32.0	49.0	117.3	9.9
2014/15	26.7	5.9	156.8	6.0	35.4	54.0	123.5	13.8
2015/16	26.8	6.0	160.0	6.5	32.5	59.0	128.8	19.0
2016/17	26.8	5.8	156.5	5.5	34.5	56.5	126.8	19.7
<b>Kazakhstan</b>								
2012/13	12.4	0.8	9.8	0.0	6.3	2.0	6.8	2.9
2013/14	13.0	1.1	13.9	0.0	8.1	2.0	6.8	2.0
2014/15	11.9	1.1	13.0	0.6	5.5	2.0	6.8	3.2
2015/16	11.6	1.2	13.7	0.1	7.5	2.1	6.9	2.7
2016/17	11.0	1.2	13.0	0.1	7.0	2.1	6.9	1.8
<b>Russia</b>								
2012/13	21.3	1.8	37.7	1.2	11.3	11.9	33.6	4.9
2013/14	23.4	2.2	52.1	0.9	18.6	12.5	34.1	5.2
2014/15	23.6	2.5	59.1	0.3	22.8	13.0	35.5	6.3
2015/16	25.6	2.4	61.0	0.8	24.5	14.0	37.0	6.6
2016/17	25.5	2.5	63.0	0.5	24.5	14.5	37.5	8.1

## Wheat Supply and Disappearance: Selected Exporters (Continued)

Million Metric Tons/ Hectares

Country Mktg Year	Area Harvested	Yield	Production	MY Imports	MY Exports	Feed and Residual	Total Consumption	Ending Stocks
Ukraine								
2012/13	5.6	2.8	15.8	0.0	7.2	3.1	11.4	2.6
2013/14	6.6	3.4	22.3	0.1	9.8	3.4	11.5	3.7
2014/15	6.3	3.9	24.8	0.0	11.3	4.0	12.0	5.2
2015/16	7.1	3.8	27.3	0.1	15.5	4.5	12.5	4.5
2016/17	6.4	3.8	24.0	0.1	11.5	4.5	12.5	4.6
Total Wheat Competitors								
2012/13	91.4	2.8	256.6	7.1	88.7	76.0	193.5	31.2
2013/14	95.4	3.2	306.2	5.5	112.6	74.8	192.1	38.2
2014/15	95.2	3.4	320.2	7.6	121.1	80.8	200.4	44.5
2015/16	97.1	3.4	325.5	8.1	127.5	87.1	207.4	43.1
2016/17	97.0	3.3	324.5	6.8	123.0	85.3	206.3	45.1

Corn Supply and Disappearance: Selected Exporters

Million Metric Tons/ Hectares

Country Mktg Year	Area Harvested	Yield	Production	MY Imports	MY Exports	Feed and Residual	Total Consumption	Ending Stocks
<b>Argentina</b>								
2008/09	2.5	6.2	15.5	0.0	10.3	4.5	6.4	0.9
2009/10	3.0	8.3	25.0	0.0	16.5	5.0	6.9	2.5
2010/11	3.8	6.7	25.2	0.0	16.3	5.3	7.3	4.0
2011/12	3.6	5.8	21.0	0.0	17.1	4.8	7.0	0.9
2012/13	4.0	6.8	27.0	0.0	18.7	5.3	7.9	1.3
2013/14	3.4	7.6	26.0	0.0	17.1	5.8	8.8	1.4
2014/15	3.5	8.2	28.7	0.0	18.9	6.0	9.3	1.9
2015/16	3.4	7.9	27.0	0.0	18.0	6.0	9.3	1.6
2016/17	4.2	8.1	34.0	0.0	23.0	6.6	10.4	2.2
<b>Brazil</b>								
2008/09	14.1	3.6	51.0	1.1	7.1	38.5	45.5	10.1
2009/10	12.9	4.3	56.1	0.4	11.6	41.5	48.5	6.5
2010/11	13.8	4.2	57.4	0.8	8.4	43.0	50.0	6.3
2011/12	15.2	4.8	73.0	0.8	24.3	44.0	51.5	4.2
2012/13	15.8	5.2	81.5	0.9	24.9	44.5	52.5	9.2
2013/14	15.8	5.1	80.0	0.8	21.0	46.0	55.0	14.0
2014/15	15.8	5.4	85.0	0.3	34.5	48.0	57.0	7.8
2015/16	16.0	5.1	81.0	1.1	26.0	49.0	58.0	5.9
2016/17	15.8	5.2	82.0	0.6	24.0	50.0	59.0	5.5
<b>China</b>								
2008/09	29.9	5.6	165.9	0.0	0.2	108.0	153.0	51.2
2009/10	31.2	5.3	164.0	1.3	0.2	118.0	165.0	51.3
2010/11	32.5	5.5	177.2	1.0	0.1	128.0	180.0	49.4
2011/12	33.5	5.7	192.8	5.2	0.1	131.0	188.0	59.3
2012/13	35.0	5.9	205.6	2.7	0.1	144.0	200.0	67.6
2013/14	36.3	6.0	218.5	3.3	0.0	150.0	208.0	81.3
2014/15	37.1	5.8	215.6	5.5	0.0	140.0	202.0	100.5
2015/16	38.1	5.9	224.6	2.0	0.0	153.5	217.5	109.5
2016/17	36.0	6.1	218.0	1.0	0.0	160.0	227.0	101.5
<b>South Africa</b>								
2008/09	2.9	4.3	12.6	0.0	1.7	4.7	10.3	2.0
2009/10	3.3	4.1	13.4	0.0	2.1	4.9	10.6	2.8
2010/11	2.9	3.8	10.9	0.4	2.4	5.0	10.7	1.0
2011/12	3.1	4.1	12.8	0.0	1.8	5.0	10.7	1.3
2012/13	3.2	3.8	12.4	0.1	2.1	5.1	11.0	0.7
2013/14	3.1	4.9	14.9	0.1	2.0	5.5	11.5	2.2

Corn Supply and Disappearance: Selected Exporters (Continued)

Million Metric Tons/ Hectares

Country Mktg Year	Area Harvested	Yield	Production	MY Imports	MY Exports	Feed and Residual	Total Consumption	Ending Stocks
2014/15	3.0	3.5	10.6	2.0	0.7	6.1	11.8	2.3
2015/16	1.9	3.4	6.5	3.5	0.7	5.5	11.0	0.6
2016/17	3.2	4.1	13.0	0.5	1.5	5.6	11.3	1.3
Total Corn Competitors								
2008/09	49.4	5.0	245.0	1.2	19.3	155.7	215.2	64.2
2009/10	50.4	5.1	258.5	1.7	30.3	169.4	231.0	63.0
2010/11	52.9	5.1	270.8	2.2	27.3	181.3	248.0	60.7
2011/12	55.5	5.4	299.5	6.0	43.4	184.8	257.2	65.7
2012/13	58.1	5.6	326.5	3.7	45.8	198.9	271.4	78.7
2013/14	58.6	5.8	339.4	4.1	40.0	207.3	283.3	98.9
2014/15	59.4	5.7	340.0	7.8	54.1	200.1	280.1	112.5
2015/16	59.4	5.7	339.1	6.6	44.7	214.0	295.8	117.7
2016/17	59.2	5.9	347.0	2.1	48.5	222.2	307.7	110.6



Barley Supply and Disappearance: Selected Exporters  
Million Metric Tons/ Hectares

Country Mktg Year	Area Harvested	Yield	Production	MY Imports	MY Exports	Feed and Residual	Total Consumption	Ending Stocks
<b>Australia</b>								
2008/09	5.0	1.6	8.0	0.0	3.2	2.9	4.0	2.4
2009/10	4.4	1.8	7.9	0.0	3.9	3.3	4.5	1.9
2010/11	3.7	2.2	8.0	0.0	4.7	3.0	4.2	1.0
2011/12	3.7	2.2	8.2	0.0	5.4	2.1	3.3	0.5
2012/13	3.6	2.1	7.5	0.0	4.5	1.8	3.0	0.5
2013/14	3.8	2.4	9.2	0.0	6.2	1.5	2.8	0.7
2014/15	3.8	2.1	8.0	0.0	5.2	1.6	2.9	0.6
2015/16	4.1	2.1	8.7	0.0	5.8	1.3	2.6	0.9
2016/17	4.0	2.1	8.5	0.0	5.8	1.3	2.6	1.0
<b>Canada</b>								
2008/09	3.5	3.4	11.8	0.0	1.5	7.6	8.9	3.0
2009/10	2.9	3.3	9.5	0.0	1.3	7.5	8.7	2.5
2010/11	2.4	3.2	7.6	0.0	1.2	6.3	7.5	1.5
2011/12	2.4	3.3	7.9	0.0	1.3	5.7	6.9	1.2
2012/13	2.8	2.9	8.0	0.0	1.4	5.7	6.8	1.0
2013/14	2.7	3.9	10.2	0.0	1.6	6.5	7.7	2.0
2014/15	2.1	3.3	7.1	0.1	1.5	5.2	6.5	1.2
2015/16	2.4	3.5	8.2	0.1	1.4	5.4	6.6	1.6
2016/17	2.5	3.4	8.5	0.1	1.4	5.7	7.0	1.8
<b>European Union</b>								
2008/09	14.6	4.5	65.8	0.3	3.6	41.7	57.3	11.0
2009/10	14.0	4.5	62.4	0.1	1.1	41.7	56.8	15.6
2010/11	12.5	4.3	53.7	0.2	4.9	41.3	56.6	7.9
2011/12	11.9	4.3	51.9	0.5	3.0	35.8	51.2	6.1
2012/13	12.5	4.4	54.9	0.1	5.0	35.5	51.0	5.0
2013/14	12.4	4.8	59.7	0.0	5.7	38.0	53.4	5.6
2014/15	12.4	4.9	60.6	0.1	9.5	35.5	50.9	5.9
2015/16	12.2	5.0	61.3	0.3	10.0	35.5	50.9	6.6
2016/17	12.4	4.9	60.7	0.1	8.7	37.0	52.4	6.3

## Sorghum Supply and Disappearance: Selected Exporters

Million Metric Tons/ Hectares

Country Mktg Year	Area Harvested	Yield	Production	MY Imports	MY Exports	Feed and Residual	Total Consumption	Ending Stocks
<b>Argentina</b>								
2008/09	0.5	3.7	1.7	0.0	1.1	1.0	1.1	0.2
2009/10	0.8	4.8	3.6	0.0	1.8	1.7	1.9	0.2
2010/11	1.0	4.4	4.4	0.0	1.7	1.7	1.9	0.9
2011/12	1.0	4.2	4.2	0.0	3.1	1.7	1.9	0.2
2012/13	1.1	4.5	4.7	0.0	1.8	2.0	2.3	0.8
2013/14	1.0	4.4	4.4	0.0	1.3	2.3	2.7	1.2
2014/15	0.8	4.5	3.5	0.0	0.9	2.4	2.8	1.0
2015/16	0.8	4.3	3.6	0.0	0.9	2.4	2.8	0.9
2016/17	0.9	4.6	3.9	0.0	1.3	2.6	3.0	0.5
<b>Australia</b>								
2008/09	0.8	3.5	2.7	0.0	1.0	1.8	1.8	0.7
2009/10	0.5	3.0	1.5	0.0	0.3	1.2	1.2	0.7
2010/11	0.6	3.1	1.9	0.0	0.9	1.4	1.4	0.4
2011/12	0.7	3.4	2.2	0.0	1.3	1.1	1.1	0.2
2012/13	0.6	3.4	2.2	0.0	1.2	1.1	1.1	0.2
2013/14	0.5	2.4	1.3	0.0	0.4	0.9	0.9	0.2
2014/15	0.7	3.2	2.1	0.0	1.7	0.5	0.5	0.1
2015/16	0.7	3.0	2.1	0.0	1.0	1.1	1.1	0.1
2016/17	0.7	3.1	2.2	0.0	1.0	1.1	1.1	0.2

U.S. Grains Supply and Distribution: Wheat, Corn, Sorghum, Barley, Oats, Rye, and Rice

Thousand Metric Tons/ Hectares

	Area Harvested	Yield	Rough Production	Production	Imports	TY Imports	Exports	TY Exports	Feed Dom. Consumption	Domestic Consumption	Ending Stocks
<b>Wheat</b>											
2014/15	18,771	3	nr	55,147	4,068	3,987	23,249	22,752	3,326	31,554	20,477
2015/16	19,058	3	nr	55,840	3,266	3,200	21,228	21,300	3,810	31,741	26,614
2016/17	17,310	3	nr	54,366	3,538	3,500	23,814	24,500	4,627	32,713	27,991
<b>Corn</b>											
2014/15	33,644	11	nr	361,091	804	809	47,359	46,773	135,222	301,854	43,974
2015/16	32,678	11	nr	345,486	1,397	1,400	43,817	43,500	133,356	301,252	45,788
2016/17	34,763	11	nr	366,539	1,016	1,000	48,262	49,000	140,976	310,403	54,678
<b>Sorghum</b>											
2014/15	2,590	4	nr	10,988	10	27	8,965	9,249	2,048	2,429	468
2015/16	3,177	5	nr	15,158	127	110	8,001	7,400	2,921	6,097	1,655
2016/17	2,533	4	nr	10,338	25	25	5,588	5,500	2,540	5,080	1,350
<b>Barley</b>											
2014/15	1,011	4	nr	3,953	513	430	312	292	935	4,234	1,711
2015/16	1,258	4	nr	4,666	435	450	283	300	1,089	4,413	2,116
2016/17	1,101	4	nr	4,202	435	400	327	300	1,089	4,419	2,007
<b>Oats</b>											
2014/15	419	2	nr	1,019	1,852	1,759	26	23	1,306	2,424	780
2015/16	516	3	nr	1,300	1,551	1,500	29	30	1,624	2,735	867
2016/17	417	2	nr	987	1,637	1,600	29	30	1,565	2,696	766
<b>Rye</b>											
2014/15	104	2	nr	183	237	262	6	3	164	406	15
2015/16	146	2	nr	292	229	200	5	5	235	481	50
2016/17	109	2	nr	190	230	200	6	5	197	445	19
<b>Rice, Milled</b>											
2014/15	1,187	8	10,079	7,106	783	758	3,207	3,472	nr	4,155	1,552
2015/16	1,042	8	8,724	6,107	746	750	3,175	3,325	nr	3,853	1,377
2016/17	1,227	9	10,479	7,335	762	775	3,588	3,600	nr	4,287	1,599

Notes: Wheat Trade Year (TY) statistics are on July/June years. Barley, corn, sorghum, rye and oats Trade Year (TY) statistics are on Oct/Sept years. Rice Trade Year (TY) statistics are for the subsequent calendar year; 'Imports' and 'Exports' columns contain data on the local marketing year: wheat, barley, oats and rye are June/May; corn and sorghum are Sept/Aug; rice is Aug/July.

Total Wheat and Coarse Grains: Supply and Demand

Millions of Metric Tons/ Hectares

	Area Harvested	Yield	Production	TY Exports	Feed Dom.	Domestic Consumption	Ending Stocks
Wheat and Coarse Grains							
1987/88	544.3	2.4	1,285.9	202.2	656.6	1,329.8	422.8
1988/89	541.9	2.2	1,218.1	203.3	619.5	1,301.8	339.1
1989/90	548.2	2.4	1,327.4	208.9	644.5	1,346.2	320.3
1990/91	545.6	2.6	1,417.5	190.1	669.8	1,369.6	368.3
1991/92	543.3	2.5	1,355.5	207.5	653.5	1,365.9	357.9
1992/93	545.9	2.6	1,431.6	205.2	664.1	1,388.2	398.5
1993/94	536.0	2.5	1,356.5	188.2	657.1	1,389.0	366.0
1994/95	534.1	2.6	1,393.0	200.1	670.5	1,395.7	363.2
1995/96	527.2	2.5	1,338.9	187.5	641.8	1,381.8	320.3
1996/97	545.7	2.7	1,490.1	198.3	674.6	1,441.6	368.7
1997/98	535.2	2.8	1,490.6	190.4	685.7	1,443.2	416.1
1998/99	520.2	2.8	1,481.3	198.7	685.4	1,448.4	449.0
1999/00	506.2	2.9	1,465.6	214.0	690.5	1,469.9	444.1
2000/01	509.3	2.8	1,446.8	204.9	700.4	1,472.2	418.7
2001/02	511.7	2.9	1,480.1	208.3	713.7	1,495.7	403.2
2002/03	504.7	2.9	1,445.0	209.2	711.7	1,506.4	341.8
2003/04	511.2	2.9	1,473.0	205.8	718.0	1,535.7	279.1
2004/05	514.8	3.2	1,643.0	214.4	756.2	1,586.3	335.7
2005/06	517.5	3.1	1,600.1	222.5	758.2	1,617.3	318.5
2006/07	519.1	3.1	1,584.9	229.8	749.7	1,630.5	273.0
2007/08	534.7	3.2	1,692.8	244.7	764.5	1,675.8	289.9
2008/09	539.5	3.3	1,792.0	253.6	774.3	1,722.2	359.8
2009/10	533.6	3.4	1,804.1	254.1	782.4	1,767.7	396.2
2010/11	523.5	3.3	1,747.8	250.1	773.7	1,784.0	360.0
2011/12	537.8	3.4	1,853.4	287.1	808.0	1,853.3	360.2
2012/13	532.1	3.4	1,794.7	279.5	807.7	1,813.7	341.1
2013/14	540.5	3.7	1,995.0	327.3	861.5	1,930.4	405.8
2014/15	545.2	3.7	2,031.2	334.9	883.4	1,976.4	460.6
2015/16	544.2	3.7	1,992.2	340.6	898.4	1,965.4	487.4
2016/17	540.6	3.7	2,025.6	335.1	917.6	2,014.2	498.9

Notes: Wheat and coarse grains trade data are on July/June years through 1975/76. From 1976/77 to the present, coarse grains data are on an Oct/Sept trade year.

## World Wheat and Coarse Grains: Supply and Demand

Millions of Metric Tons/ Hectares

	Area Harvested	Yield	Production	TY Exports	Feed Dom.	Domestic Consumption	Ending Stocks
<b>Wheat</b>							
1994/95	213.4	2.5	523.1	101.5	103.0	541.7	164.7
1995/96	216.7	2.5	537.5	99.2	96.9	545.6	156.6
1996/97	227.1	2.6	581.3	104.0	101.4	572.6	165.3
1997/98	226.4	2.7	610.2	104.5	106.2	576.5	199.0
1998/99	219.2	2.7	590.5	102.0	109.4	579.0	210.5
1999/00	212.7	2.8	587.5	111.9	104.6	587.6	210.3
2000/01	215.6	2.7	583.3	102.1	111.2	587.1	206.5
2001/02	214.5	2.7	583.9	107.9	112.0	586.6	203.7
2002/03	213.9	2.7	569.7	106.5	116.1	603.9	169.5
2003/04	208.0	2.7	555.3	103.5	101.7	588.9	135.9
2004/05	215.8	2.9	626.8	113.2	110.7	606.3	156.4
2005/06	217.5	2.8	618.8	114.1	117.7	621.8	153.4
2006/07	212.3	2.8	596.7	115.3	113.1	616.5	133.6
2007/08	217.1	2.8	612.6	116.0	104.8	617.5	128.7
2008/09	224.1	3.1	683.7	143.2	124.4	643.2	169.2
2009/10	225.6	3.0	687.0	135.3	122.3	653.0	203.2
2010/11	216.9	3.0	649.3	134.1	116.8	653.9	198.7
2011/12	220.9	3.2	696.9	153.7	148.7	697.7	197.9
2012/13	215.8	3.1	658.3	147.3	138.2	679.1	177.1
2013/14	219.6	3.3	714.9	162.5	126.5	697.8	194.2
2014/15	221.3	3.3	726.9	161.5	130.8	704.6	216.5
2015/16	223.8	3.3	734.1	166.6	133.9	707.7	242.9
2016/17	219.0	3.3	727.0	164.0	131.1	712.1	257.8
<b>Coarse Grains</b>							
1994/95	320.8	2.7	869.8	98.6	567.6	854.0	198.5
1995/96	310.5	2.6	801.4	88.3	544.9	836.2	163.7
1996/97	318.6	2.9	908.7	94.3	573.3	869.0	203.5
1997/98	308.8	2.9	880.4	85.8	579.5	866.7	217.1
1998/99	301.0	3.0	890.8	96.7	576.0	869.4	238.6
1999/00	293.5	3.0	878.1	102.1	585.8	882.3	233.8
2000/01	293.7	2.9	863.5	102.8	589.3	885.1	212.3
2001/02	297.2	3.0	896.3	100.4	601.6	909.0	199.5
2002/03	290.9	3.0	875.3	102.7	595.6	902.5	172.3
2003/04	303.3	3.0	917.7	102.3	616.3	946.8	143.1
2004/05	299.0	3.4	1,016.2	101.2	645.5	980.0	179.4
2005/06	300.0	3.3	981.3	108.4	640.5	995.6	165.1
2006/07	306.8	3.2	988.2	114.5	636.6	1,013.9	139.4
2007/08	317.6	3.4	1,080.2	128.7	659.8	1,058.3	161.2
2008/09	315.4	3.5	1,108.3	110.4	649.9	1,079.0	190.6
2009/10	308.0	3.6	1,117.0	118.8	660.1	1,114.7	193.0
2010/11	306.6	3.6	1,098.5	116.0	656.9	1,130.1	161.4
2011/12	316.9	3.6	1,156.5	133.4	659.3	1,155.6	162.3
2012/13	316.3	3.6	1,136.4	132.2	669.5	1,134.7	164.0
2013/14	320.9	4.0	1,280.1	164.8	734.9	1,232.5	211.6
2014/15	324.0	4.0	1,304.2	173.4	752.6	1,271.8	244.1
2015/16	320.4	3.9	1,258.2	174.0	764.5	1,257.7	244.5
2016/17	321.6	4.0	1,298.6	171.1	786.6	1,302.1	241.0

Notes: Wheat and coarse grains trade data are on July/June years through 1975/76. From 1976/77 to the present, coarse grains data are on an Oct/Sept trade year.

## World Corn and Barley: Supply and Demand

Millions of Metric Tons/ Hectares

	Area Harvested	Yield	Production	TY Exports	Feed Dom.	Domestic Consumption	Ending Stocks
<b>Corn</b>							
1994/95	135.2	4.1	559.6	71.9	371.6	535.7	153.3
1995/96	135.0	3.8	516.7	64.8	365.3	536.8	133.3
1996/97	141.5	4.2	592.9	66.6	387.9	559.9	166.3
1997/98	136.2	4.2	574.1	63.1	400.6	573.3	167.2
1998/99	138.9	4.4	605.8	68.7	404.4	581.6	191.4
1999/00	138.9	4.4	608.1	72.0	422.5	605.1	194.4
2000/01	137.1	4.3	591.7	75.9	427.4	610.8	175.3
2001/02	137.1	4.4	601.8	72.7	436.4	625.6	151.5
2002/03	137.8	4.4	603.8	76.8	433.4	628.5	126.8
2003/04	141.7	4.4	627.6	79.0	445.8	649.9	104.6
2004/05	145.4	4.9	717.1	76.0	476.0	690.6	131.1
2005/06	145.4	4.8	700.9	82.5	479.6	708.5	123.5
2006/07	150.5	4.8	716.6	91.3	480.4	731.3	108.8
2007/08	160.3	5.0	795.7	98.2	501.4	776.7	127.9
2008/09	158.8	5.0	800.1	83.6	482.0	784.4	143.5
2009/10	158.4	5.2	825.2	92.7	492.9	827.8	140.9
2010/11	164.6	5.1	835.9	91.7	503.7	853.2	123.6
2011/12	172.1	5.2	889.8	103.7	508.7	885.0	128.3
2012/13	177.6	4.9	869.7	100.5	519.0	864.8	133.3
2013/14	180.3	5.5	990.8	130.4	572.1	948.9	175.2
2014/15	179.7	5.6	1,013.5	128.0	585.7	980.8	207.9
2015/16	177.0	5.5	968.9	133.9	600.8	968.9	207.9
2016/17	178.6	5.7	1,011.1	133.8	623.4	1,011.9	207.0
<b>Barley</b>							
1994/95	72.2	2.2	160.7	15.3	120.9	165.6	30.0
1995/96	66.4	2.1	141.2	13.4	107.8	150.7	20.5
1996/97	64.3	2.4	153.2	17.9	106.3	149.5	24.1
1997/98	63.8	2.4	153.9	12.8	104.1	145.8	32.2
1998/99	56.7	2.4	136.0	17.8	99.5	139.3	29.0
1999/00	52.1	2.4	127.4	17.8	94.0	132.5	23.9
2000/01	52.9	2.5	133.0	16.3	94.6	134.3	22.6
2001/02	55.7	2.6	143.4	17.2	95.5	136.8	29.2
2002/03	54.7	2.5	134.3	16.3	94.7	135.9	27.6
2003/04	58.4	2.4	142.7	14.8	103.1	146.8	23.5
2004/05	57.4	2.7	152.1	17.0	100.0	142.5	33.1
2005/06	55.2	2.5	136.2	17.4	97.3	141.0	28.3
2006/07	56.3	2.4	136.8	14.6	98.4	143.6	21.5
2007/08	55.7	2.4	132.7	18.5	91.0	133.7	20.6
2008/09	55.0	2.8	155.0	18.2	100.4	143.8	31.7
2009/10	54.2	2.8	150.9	17.3	101.4	145.2	37.4
2010/11	47.1	2.6	123.0	15.2	91.3	136.1	24.3
2011/12	49.2	2.7	133.3	21.4	91.7	135.0	22.7
2012/13	49.9	2.6	128.8	22.2	88.6	131.1	20.4
2013/14	50.7	2.8	144.3	23.8	97.2	140.8	23.9
2014/15	49.5	2.9	141.2	30.1	97.2	141.5	23.5
2015/16	49.9	3.0	147.9	27.5	98.1	146.1	25.4
2016/17	49.0	2.9	141.7	26.4	97.8	143.7	23.4

Notes: Coarse grains trade data are on July/June years through 1975/76. From 1976/77 to the present, coarse grains data are on an Oct/Sept trade year.

## World Rice: Supply and Demand

Millions of Metric Tons/ Hectares

	Area Harvested	Yield	Rough Productio n	Productio n	TY Exports	Domestic Consumpti	Ending Stocks
Rice, Milled							
1987/88	141.4	3.3	464.8	315.1	11.4	313.1	105.3
1988/89	146.6	3.3	490.8	332.1	14.0	325.7	111.7
1989/90	147.8	3.5	510.4	345.3	11.7	336.3	120.6
1990/91	147.0	3.5	519.4	351.4	12.3	345.3	126.7
1991/92	147.5	3.5	522.8	353.2	14.4	353.2	126.7
1992/93	146.5	3.6	524.2	354.0	14.9	357.5	123.2
1993/94	145.3	3.6	526.1	354.7	16.6	358.9	119.0
1994/95	147.3	3.7	540.0	364.1	20.8	365.5	117.6
1995/96	148.4	3.7	547.3	368.8	19.7	368.3	118.1
1996/97	150.1	3.8	565.3	381.4	18.9	379.2	120.3
1997/98	151.7	3.8	575.2	387.4	27.6	380.0	127.7
1998/99	153.1	3.8	587.0	394.9	24.8	388.7	134.0
1999/00	155.9	3.9	608.8	409.3	22.8	400.3	143.1
2000/01	152.4	3.9	594.1	399.3	24.3	395.6	146.7
2001/02	151.3	3.9	594.3	399.5	27.9	413.3	132.9
2002/03	146.9	3.8	563.1	378.2	27.6	408.1	103.0
2003/04	149.3	3.9	585.4	392.5	27.3	413.8	81.7
2004/05	151.8	3.9	596.4	400.8	28.9	408.5	74.0
2005/06	153.9	4.0	622.2	417.8	29.0	415.4	76.5
2006/07	154.5	4.0	625.0	420.1	31.8	421.2	75.4
2007/08	154.8	4.2	643.5	433.6	29.5	428.1	80.9
2008/09	158.2	4.2	668.7	449.4	29.4	437.6	92.6
2009/10	155.8	4.2	656.2	440.7	31.8	438.4	95.0
2010/11	158.4	4.2	672.1	450.4	36.5	445.3	100.0
2011/12	160.7	4.3	697.2	467.6	40.0	460.8	106.8
2012/13	158.5	4.4	704.5	472.5	39.5	465.5	113.8
2013/14	161.8	4.4	713.4	478.4	44.1	477.9	114.3
2014/15	160.7	4.4	713.7	478.7	42.8	478.7	114.4
2015/16	157.8	4.4	701.3	470.5	41.4	478.4	106.4
2016/17	160.6	4.5	716.8	480.7	40.7	480.5	106.6

Notes: Stocks, exports and consumption are expressed on a milled basis in marketing years.

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## **ENDNOTES TO GRAIN: WORLD MARKETS AND TRADE**

### **REGIONAL TABLES**

**North America:** Canada, Mexico, the United States.

**Central America:** Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama.

**Caribbean:** Anguilla, Antigua and Barbuda, Aruba, Bahamas, Barbados, Bermuda, British Virgin Islands, Cayman Islands, Cuba, Dominica, Dominican Republic, French West Indies, Grenada, Guadeloupe, Haiti, Jamaica and Dep, Leeward-Windward Islands, Martinique, Montserrat, Netherlands Antilles, Puerto Rico, Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Trinidad and Tobago, Turks and Caicos Islands, Virgin Islands of the U.S.

**South America:** Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Falkland Islands (Islas Malvinas), French Guiana, Guyana, Paraguay, Peru, Suriname, Uruguay, Venezuela.

**EU:** Austria, Belgium/Luxembourg, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, United Kingdom.

**Other Europe:** Albania, Azores, Bosnia and Herzegovina, Former Yugoslavia, Gibraltar, Iceland, Macedonia, Montenegro, Norway, Serbia, Switzerland.

**Former Soviet Union:** Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, Uzbekistan.

**Middle East:** Bahrain, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syria, Turkey, United Arab Emirates, Yemen.

**North Africa:** Algeria, Egypt, Libya, Morocco, Tunisia.

**Sub-Saharan Africa:** all African countries except North Africa.

**East Asia:** China, Hong Kong, Japan, South Korea, North Korea, Macau, Mongolia, Taiwan.

**South Asia:** Afghanistan, Bangladesh, Bhutan, India, Nepal, Pakistan, Sri Lanka, Maldives.

**Southeast Asia:** Brunei, Burma, Cambodia, Indonesia, Laos, Malaysia, Philippines, Singapore, Thailand, Vietnam.

**Oceania:** Australia, Fiji, New Zealand, Papua New Guinea.



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## **OTHER NOTES**

**Local Marketing Years (LMY):** LMY refers to the 12-month period at the onset of the main harvest, when the crop is marketed (i.e., consumed, traded, or stored). The year first listed begins a country's LMY for that commodity (2015/16 starts in 2015); except for summer grains in certain Southern Hemisphere countries and for rice in selected countries, where the second year begins the LMY (2015/16 starts in 2016). **Key exporter LMY's are:**

<b>Wheat</b>	<b>Corn</b>	<b>Barley</b>	<b>Sorghum</b>
Argentina (Dec/Nov)	Argentina (Mar/Feb)	Australia (Nov/Oct)	Argentina (Mar/Feb)
Australia (Oct/Sep)	Brazil (Mar/Feb)	Canada (Aug/Jul)	Australia (Mar/Feb)
Canada (Aug/Jul)	China (Oct/Sep)	European Union (Jul/Jun)	United States (Sep/Aug)
China (Jul/Jun)	South Africa (May/Apr)	Russia (Jul/Jun)	
European Union (Jul/Jun)	United States (Sep/Aug)	Ukraine (Jul/Jun)	
India (Apr/Mar)		United States (Jun/May)	
Kazakhstan (Jul/Jun)			
Russia (Jul/Jun)			
Turkey (Jun/May)			
Ukraine (Jul/Jun)			
United States (Jun/May)			

For a complete list of local marketing years, please see the FAS website (<http://www.fas.usda.gov/psdonline/psdAvailability.aspx>).

**Stocks:** Unless otherwise stated, stock data are based on an aggregate of differing local marketing years and should not be construed as representing world stock levels at a fixed point in time.

**Consumption:** World totals for consumption reflect total utilization, including food, seed, industrial, feed, and waste; as well as differences in local marketing year imports and local marketing year exports. Consumption statistics for regions and individual countries, however, reflect food, seed, industrial, feed, and waste only.

**Trade:** All PSD tables are balanced on the different local marketing years. All trade tables contain Trade Year (TY) data which puts all countries on a uniform, 12-month period for analytical comparisons: wheat is July/June; coarse grains, corn, barley, sorghum, oats, and rye are Oct/Sept; and rice is calendar year.

**EU Consolidation:** The trade figures starting from 1999/00 represent the European Union (Croatia plus the former EU-27) and exclude all intra-trade. For the years 1960/61 through 1998/99, figures are the EU-15 and also exclude all intra-trade. EU-15 member states' data for grains are no longer maintained in the official USDA database. Data for the individual NMS-10, plus Bulgaria, Romania, and Croatia, exists only prior to 1999/00.

**Statistics:** (1) Wheat trade statistics include wheat, flour, and selected pasta products on a grain equivalent basis. (2) Rice trade statistics include rough, brown, milled, and broken on a milled equivalent basis. (3) Coarse grains statistics include corn, barley, sorghum, oats, rye, millet, and mixed grains but exclude trade in barley malt, millet, and mixed grains.

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**Unaccounted:** This term includes grain in transit, reporting discrepancies in some countries, and trade to countries outside the USDA database.

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**Note:** The previous report in this series was Grain: World Markets and Trade April 2016. For further details on world grain production, please see World Agricultural Production May 2016.

This circular is available in its entirety on the Internet via the Foreign Agricultural Service Home Page. The address is: <http://www.fas.usda.gov>

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