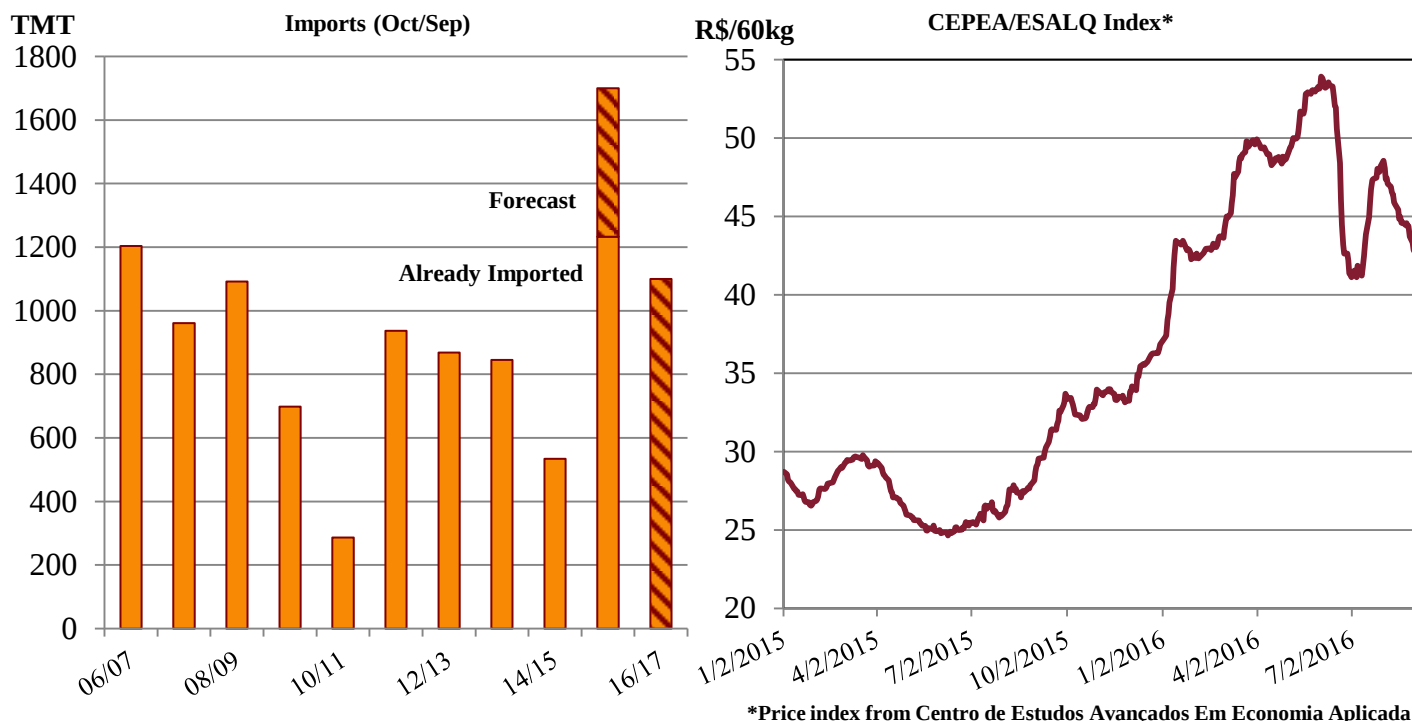




Grain: World Markets and Trade

September 2016

Brazil's Corn Imports Surge as Domestic Prices Rise



Brazil's corn imports for the 2015/16 trade year (Oct-Sep basis) are forecast at 1.7 million tons, the highest total in 16 years. The unusual import level is attributable to a convergence of dynamics. Stimulated by the depreciation of the currency and abundant supplies, Brazil exported at a rapid pace at the end of 2015 and the start of 2016. As a result, inventories were substantially reduced. Then came a shortfall in the second (*safrinha*) crop, which has typically accounted for about two-thirds of Brazil's production in the last few years. With supplies tightening in the last few months, domestic prices surged and remain well above the level of a year ago.

Imports are expected to remain strong through early 2016/17 as supplies are likely to be tight. So far, Brazil's corn imports have been exclusively from Mercosur countries, specifically Argentina and Paraguay. However, in an effort to tame prices, Brazil has removed the Common External Tariff for non-Mercosur countries until November. While U.S. export prices are competitive globally, Brazil has not imported from the United States based on restrictions on genetically modified (GM) corn.* One GM variety has been recently approved, but more approvals will be needed before U.S. corn can be imported.

*For more information, see GAIN Report BR1611, available [here](#).

TABLE OF CONTENTS

World Markets and Trade: Commentary and Current Data

Wheat	4
Rice	9
Pulses	12
Coarse Grains.....	16

Historical Data Series for Selected Regions and Countries..... 37

Endnotes to Grain: World Markets and Trade..... 56

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

		Wheat			Rice, Milled			Corn		
	Marketing Year	2014/15	2015/16	2016/17	2014/15	2015/16	2016/17	2014/15	2015/16	2016/17
Production										
United States	(Jun-May)	55.1	55.8	63.2	7.1	6.1	7.5	361.1	345.5	383.4
Other		672.8	679.0	681.6	471.6	465.6	474.2	652.5	613.5	643.2
World Total		727.9	734.8	744.8	478.7	471.7	481.7	1,013.6	959.0	1,026.6
Domestic Consumption										
United States	(Jun-May)	31.3	31.6	37.2	4.3	3.5	4.2	301.8	298.9	312.4
Other		669.3	675.8	695.1	471.4	467.7	472.4	662.0	677.3	694.4
World Total		700.6	707.4	732.3	475.7	471.2	476.6	963.8	976.2	1,006.8
Ending Stocks										
United States	(Jun-May)	20.5	26.7	29.9	1.6	1.5	1.9	44.0	43.6	60.5
Other		195.3	214.2	219.2	112.8	111.2	113.7	164.3	165.6	159.0
World Total		215.8	240.9	249.1	114.4	112.7	115.6	208.3	209.2	219.5
TY Imports										
United States	(Jun-May)	4.0	3.1	3.1	0.8	0.8	0.8	0.8	1.7	1.3
Other		155.0	165.7	165.9	38.8	38.2	37.8	124.7	133.1	131.4
World Total		159.0	168.8	169.0	39.6	39.0	38.6	125.5	134.8	132.7
TY Exports										
United States	(Jun-May)	23.0	21.9	25.5	3.4	3.5	3.7	46.8	49.5	55.0
Other		138.8	150.1	146.3	39.2	37.8	37.2	81.2	89.5	80.7
World Total		161.8	172.0	171.8	42.6	41.3	40.9	128.0	139.0	135.7

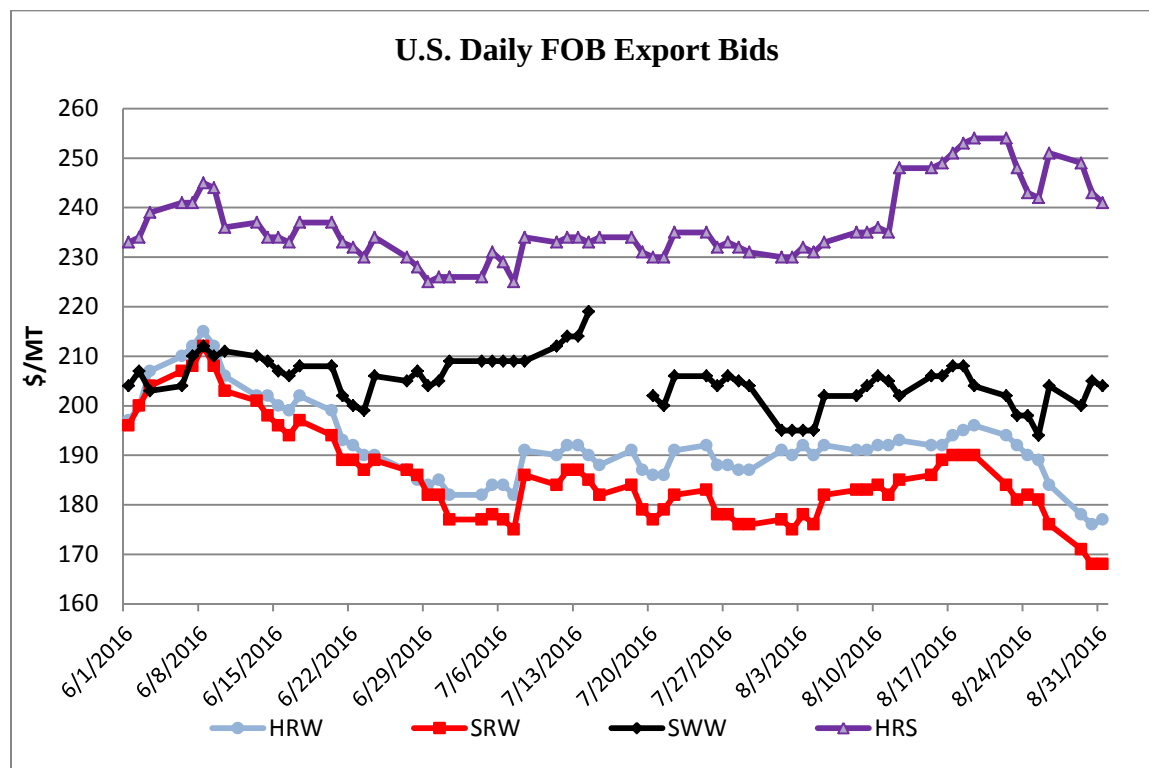
Note: Consumption in this table has not been adjusted for differences in marketing year imports and exports and therefore differs from global totals shown elsewhere. Marketing years for U.S. grains are: Wheat (Jun-May), Rice (Aug-Jul), Corn (Sep-Aug). 'Marketing Year' column is germane for U.S. wheat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

WHEAT: WORLD MARKETS AND TRADE

OVERVIEW

Global production in 2016/17 is raised to a new record. Larger crops in Australia, Brazil, Canada, India, and Kazakhstan more than offset lower production in China and the EU. Global trade is up month-to-month but just slightly lower than last year's record. The upward revision is based primarily upon larger projected imports for the EU and Syria and more than offsets cuts in Brazil, Indonesia, South Africa, and Thailand. Exports are raised for Australia, Brazil, Kazakhstan, Serbia, and Ukraine and lowered for the EU. U.S. imports and exports are unchanged. The U.S. season-average farm price is lowered 10 cents to \$3.60 per bushel.

U.S. PRICES:



Domestic: Prices for Soft Red Winter (SRW) and Hard Red Winter (HRW) classes climbed moderately through mid-August before dropping in the latter half of the month. Global quality concerns and reluctant farmer selling led to the initial strengthening of prices, but ample global supplies pressured prices lower. Overall, HRW slid \$9 to \$168/ton, while SRW ultimately fell \$14 to \$177/ton. Hard Red Spring (HRS) climbed \$13 to \$243/ton as high protein premium supplies tighten. Soft White Winter (SWW) ended the month up \$9 to \$204/ton as quality concerns persist.

TRADE CHANGES IN 2016/17

Selected Exporters

- **Australia** is raised 1.0 million tons to 19.5 million based on a larger crop. Australia has become more competitive in the region and will regain market share in Southeast Asia as supplies tighten in Argentina.
- **Brazil** is up 500,000 tons to 1.5 million on a larger crop.
- **EU** is cut 1.0 million tons to 26.0 million on a significant reduction in the German crop, thus limiting exportable supplies. Germany is the second-largest exporter in the EU.
- **Kazakhstan** is raised 500,000 tons to 8.5 million due to a larger crop.
- **Serbia** is lifted 300,000 tons to 1.3 million on likely additional exports to the EU.
- **Ukraine** is up 500,000 tons to 15.0 million on projected demand from the EU for feed-quality wheat.

Selected Importers

- **EU** is boosted 1.0 million tons to 7.0 million to reflect a smaller crop and likely greater demand for feed-quality wheat imports.
- **Indonesia** is reduced 600,000 tons to 8.5 million as the government stopped issuing import recommendation letters for feed-quality wheat to encourage greater utilization of domestic corn.
- **South Africa** is down 300,000 tons to 1.6 million due to large domestic supplies.
- **Syria** is raised 1.0 million tons to 2.3 million on recent reports of pending large purchases.

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

	2012/13	2013/14	2014/15	2015/16	2016/17 Aua	2016/17 Sep
TY Exports						
Argentina	7,450	1,675	4,200	8,860	8,000	8,000
Australia	21,269	18,339	16,575	15,782	18,500	19,500
Brazil	1,753	81	1,688	1,063	1,000	1,500
Canada	18,584	22,156	24,877	22,141	21,000	21,000
European Union	22,786	32,032	35,418	34,677	27,000	26,000
Kazakhstan	6,801	8,000	5,507	7,600	8,000	8,500
Mexico	729	1,322	1,104	1,400	1,300	1,300
Russia	11,308	18,609	22,800	25,543	30,000	30,000
Turkey	3,583	4,293	4,134	5,609	5,600	5,600
Ukraine	7,190	9,755	11,269	17,431	14,500	15,000
Others	18,117	14,726	11,214	10,024	9,347	9,947
Subtotal	119,570	130,988	138,786	150,130	144,247	146,347
United States	27,734	31,519	22,999	21,856	25,500	25,500
World Total	147,304	162,507	161,785	171,986	169,747	171,847
TY Imports						
Afghanistan	1,600	2,050	2,000	2,700	2,700	2,700
Algeria	6,484	7,484	7,257	8,200	8,200	8,200
Bangladesh	2,725	3,354	3,915	4,693	4,700	4,700
Brazil	7,547	7,061	5,869	5,925	6,000	5,800
China	2,960	6,773	1,926	3,476	3,500	3,500
Egypt	8,400	10,150	11,300	12,075	12,200	12,200
Ethiopia	1,344	670	1,100	2,450	2,000	2,000
European Union	5,276	3,976	5,975	6,916	6,000	7,000
India	20	22	273	300	2,000	2,000
Indonesia	7,146	7,391	7,478	10,116	9,100	8,500
Iraq	3,948	3,246	2,253	2,220	2,300	2,300
Japan	6,598	6,123	5,878	5,715	5,800	5,800
Korea, South	5,439	4,288	3,942	4,420	5,000	5,000
Mexico	3,823	4,639	4,476	4,805	4,200	4,400
Morocco	3,825	3,928	4,086	4,503	5,000	5,000
Nigeria	4,168	4,580	4,244	4,410	4,300	4,400
Philippines	3,620	3,476	5,055	4,850	5,000	5,000
Saudi Arabia	1,921	3,429	3,487	2,924	3,500	3,500
Sudan	1,793	2,664	2,632	2,021	2,300	2,300
Syria	963	1,603	865	965	1,300	2,300
Thailand	1,840	1,684	3,488	4,814	3,800	3,600
Turkey	3,312	4,149	5,960	4,347	5,000	5,000
Uzbekistan	1,863	2,224	2,230	2,654	2,500	2,700
Vietnam	1,671	2,157	2,296	3,069	2,700	2,700
Yemen	3,207	3,425	3,245	3,323	3,350	3,350
Others	49,847	55,083	53,786	53,845	51,681	51,961
Subtotal	141,340	155,629	155,016	165,736	164,131	165,911
Unaccounted	2,513	2,118	2,805	3,194	2,516	2,836
United States	3,451	4,760	3,964	3,056	3,100	3,100
World Total	147,304	162,507	161,785	171,986	169,747	171,847

TY=Trade Year, see Endnotes.

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

	2012/13	2013/14	2014/15	2015/16	2016/17 Aua	2016/17 Sep
Production						
Argentina	9,300	10,500	13,930	11,300	14,400	14,400
Australia	22,856	25,303	23,910	24,500	26,500	27,500
Brazil	4,380	5,300	6,000	5,540	5,300	6,000
Canada	27,205	37,530	29,420	27,594	30,000	30,500
China	121,023	121,930	126,208	130,190	130,000	128,000
Egypt	8,500	8,250	8,300	8,100	8,100	8,100
European Union	133,949	144,583	156,922	160,012	147,500	145,270
India	94,882	93,506	95,850	86,530	88,000	90,000
Iran	13,800	14,500	13,000	15,000	15,500	15,500
Kazakhstan	9,841	13,941	12,996	13,748	15,000	16,500
Pakistan	23,473	24,211	25,979	25,100	25,300	25,300
Russia	37,720	52,091	59,080	61,044	72,000	72,000
Turkey	16,000	18,750	15,250	19,500	17,500	17,500
Ukraine	15,761	22,278	24,750	27,274	27,000	27,000
Uzbekistan	6,700	6,800	7,150	7,200	7,200	7,200
Others	51,595	57,388	53,982	56,325	50,986	50,922
Subtotal	596,985	656,861	672,727	678,957	680,286	681,692
United States	61,298	58,105	55,147	55,840	63,156	63,156
World Total	658,283	714,966	727,874	734,797	743,442	744,848
Total Consumption						
Algeria	9,450	9,850	10,050	10,250	10,450	10,450
Brazil	10,900	11,400	10,700	10,200	10,100	10,100
Canada	9,555	9,415	9,097	7,832	8,800	9,000
China	125,000	116,500	116,500	112,000	117,000	117,000
Egypt	18,700	18,500	19,100	19,200	19,800	19,800
European Union	119,250	117,300	124,700	129,900	129,300	129,300
India	83,824	93,848	93,122	88,641	93,100	95,100
Indonesia	6,950	7,165	7,365	9,100	9,200	9,300
Iran	16,000	17,000	17,500	18,000	18,500	18,500
Morocco	8,300	9,000	9,000	9,800	9,600	10,200
Pakistan	23,900	24,100	24,500	24,400	24,500	24,500
Russia	33,550	34,100	35,500	37,000	38,500	38,500
Turkey	17,650	17,750	17,500	18,000	17,800	17,800
Ukraine	11,400	11,500	12,000	12,500	12,500	12,500
Uzbekistan	8,000	8,400	8,900	9,350	9,500	9,700
Others	146,702	150,279	153,724	159,668	162,600	163,360
Subtotal	641,272	663,635	674,582	678,110	695,296	699,471
United States	37,810	34,261	31,334	31,589	37,204	37,204
World Total	679,082	697,896	705,916	709,699	732,500	736,675
Ending Stocks						
Australia	4,663	4,558	4,837	6,262	6,952	6,952
Canada	5,112	10,405	7,054	5,167	4,745	5,652
China	53,960	65,274	76,105	97,042	112,742	110,742
European Union	10,711	9,938	12,717	15,068	12,929	12,038
India	24,200	17,830	17,200	14,500	11,000	11,000
Iran	5,116	7,301	7,916	8,176	5,976	5,976
Russia	4,933	5,177	6,285	5,570	9,629	9,570
Others	48,535	57,290	63,205	62,402	58,917	57,203
Subtotal	157,230	177,773	195,319	214,187	222,890	219,133
United States	19,538	16,065	20,477	26,707	29,934	29,934
World Total	176,768	193,838	215,796	240,894	252,824	249,067

Regional Wheat Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2012/13	2013/14	2014/15	2015/16	Aug 2016/17	Sep 2016/17
TY Imports						
North America	7,759	9,841	8,930	8,353	7,785	7,985
Central America	1,654	1,833	1,834	1,860	1,975	1,950
South America	14,422	14,866	13,132	13,342	13,425	13,325
European Union - 28	5,276	3,976	5,975	6,916	6,000	7,000
Other Europe	1,632	1,858	1,760	1,828	1,785	1,795
Former Soviet Union - 12	7,246	7,506	7,681	7,340	7,295	7,545
Middle East	24,250	28,434	26,921	24,320	24,095	25,275
North Africa	22,047	25,246	25,430	28,053	28,450	28,450
Sub-Saharan Africa	18,585	20,502	21,288	23,181	22,590	22,600
East Asia	17,354	19,465	14,115	16,224	16,770	16,810
South Asia	5,308	6,721	8,149	8,785	10,591	10,606
Southeast Asia	16,294	17,101	20,541	25,427	23,150	22,350
Others	2,964	3,040	3,224	3,163	3,320	3,320
Total	144,791	160,389	158,980	168,792	167,231	169,011
Production						
North America	91,734	99,012	88,254	87,185	97,126	97,556
South America	18,011	19,762	24,152	21,259	23,473	24,173
European Union - 28	133,949	144,583	156,922	160,012	147,500	145,270
Other Europe	3,431	4,103	3,929	4,067	4,600	4,606
Former Soviet Union - 12	77,802	103,885	112,735	117,718	129,930	131,430
Middle East	36,884	41,708	35,414	41,795	39,310	39,310
North Africa	17,328	19,656	17,010	19,910	14,200	14,200
Sub-Saharan Africa	6,716	7,154	7,144	6,371	7,177	7,177
East Asia	122,490	123,248	127,650	131,524	131,360	129,360
South Asia	126,412	125,917	130,154	119,840	121,645	123,645
Oceania	23,345	25,751	24,324	24,925	26,930	27,930
Others	181	187	186	191	191	191
Total	658,283	714,966	727,874	734,797	743,442	744,848
Domestic Consumption						
North America	53,990	50,326	47,281	46,421	53,124	53,324
South America	26,212	27,126	26,780	26,560	26,570	26,620
European Union - 28	119,250	117,300	124,700	129,900	129,300	129,300
Other Europe	4,721	4,807	4,850	4,905	5,120	5,120
Former Soviet Union - 12	71,725	72,750	75,860	77,905	79,815	80,115
Middle East	56,636	58,717	58,412	60,090	60,420	60,970
North Africa	41,290	42,425	42,651	43,625	44,250	44,850
Sub-Saharan Africa	24,047	26,341	26,818	28,389	28,690	28,715
East Asia	140,071	130,201	129,513	125,230	131,185	131,200
South Asia	121,007	132,041	132,322	129,049	134,601	136,621
Southeast Asia	16,515	16,560	19,265	23,155	22,740	22,840
Oceania	8,111	8,280	8,569	8,612	8,865	8,865
Others	3,366	3,494	3,571	3,589	3,774	3,774
Total	686,941	690,368	700,592	707,430	728,454	732,314
Ending Stocks						
North America	24,925	26,789	28,059	32,558	35,208	36,150
South America	3,538	6,834	8,268	4,731	4,592	4,798
European Union - 28	10,711	9,938	12,717	15,068	12,929	12,038
Other Europe	1,057	935	1,101	1,136	1,348	1,042
Former Soviet Union - 12	14,238	15,624	19,973	15,645	20,397	20,365
Middle East	14,069	18,620	18,213	18,453	15,021	15,423
North Africa	11,499	13,506	12,688	16,234	13,883	13,194
Sub-Saharan Africa	2,485	2,923	2,961	3,252	2,996	3,084
East Asia	57,214	68,314	79,228	100,461	116,074	114,091
South Asia	27,995	21,661	23,185	21,170	17,573	17,350
Southeast Asia	3,718	3,466	3,892	5,292	5,107	3,917
Oceania	4,978	4,861	5,123	6,519	7,220	7,219
Others	341	367	388	375	476	396
Total	176,768	193,838	215,796	240,894	252,824	249,067

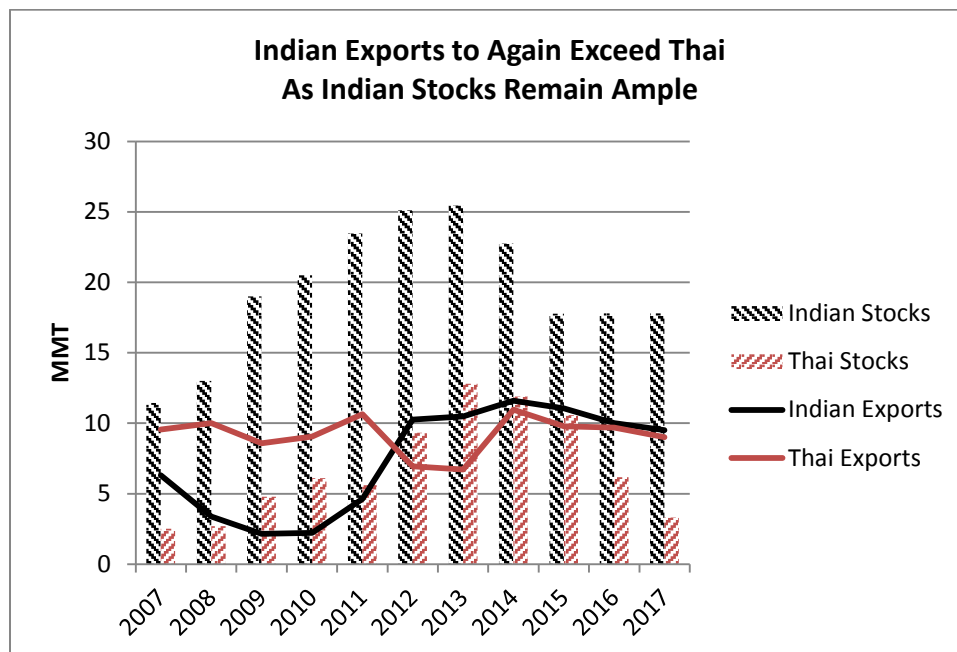
NOTES: Regional definitions appear on last page of this circular. Imports are reported on a trade year basis. All other data are reported using local marketing years.

RICE: WORLD MARKETS AND TRADE

OVERVIEW

For 2016/17, global production is up, primarily on improved prospects for the Indian crop. The U.S. crop is adjusted down but is forecast up 23 percent from the previous year. The global trade forecast is raised marginally this month with stronger exports for India, but is the lowest in 4 years. The U.S. season-average farm price is lowered 20 cents to \$10.70.

FEATURE



India is poised to eclipse Thailand in rice exports for the sixth consecutive year. After over 30 years of dominance as the top exporter, Thailand abdicated this position to India in 2012. Both countries have core markets for their respective fragrant varieties, basmati and jasmine; however, they have been in fierce competition for the non-fragrant markets.

A historical analysis of key features of the countries' policies and stock situations illuminates core factors leading to current prospects. In late 2007, India imposed an export ban on all non-basmati exports in an effort to ensure sufficient supplies for their population amid rising global prices. Thailand filled this void with additional exports. The Indian Government removed the export ban in 2011 but stocks had already doubled. Supplies in India multiplied as production and stocks expanded.

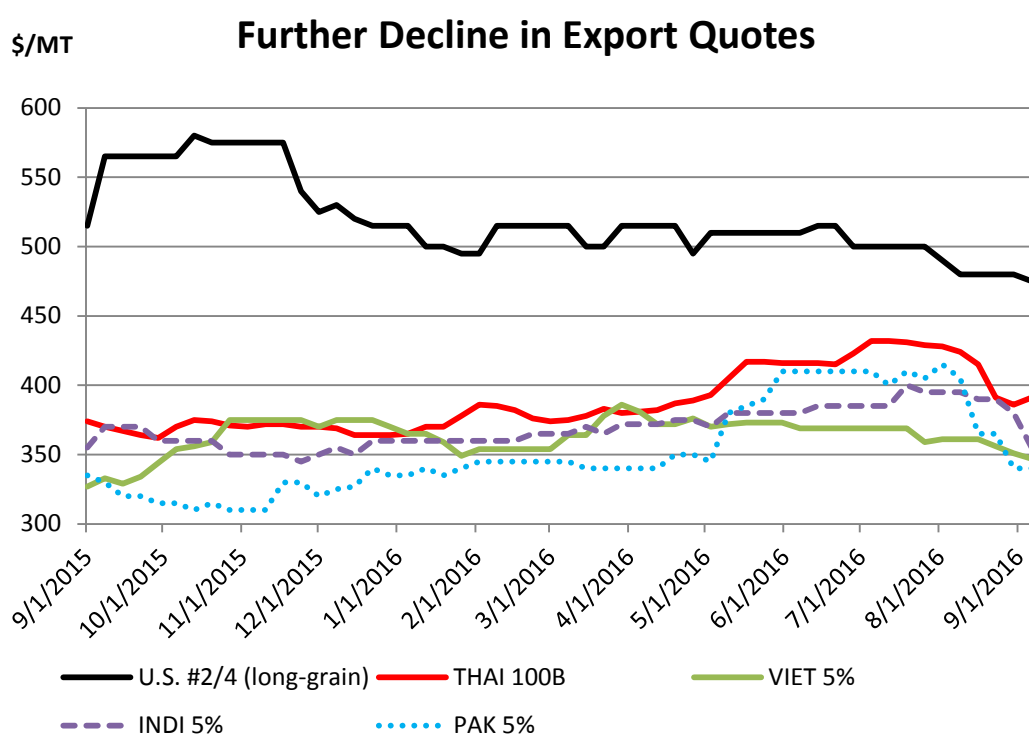
On the other hand, Thai domestic policies to support farmers caused the government to acquire large volumes of rice and a build-up in stocks. As global prices tumbled in 2012, Thai rice was no longer competitive, and their stocks increased throughout 2013. In 2014, the new Thai

government allowed prices to drift lower, enabling the country to regain some but not all of lost market share.

Since 2014, the stocks in both countries have been declining. During 2016, Thai stocks have been auctioned at a rapid pace to compensate for lower domestic production. Meanwhile, Indian stocks have been higher than anticipated, indicating weaker domestic use for rice.

Indian exports in 2016 have remained strong and thus far have exceeded Thai exports. Looking forward, India is now forecast to have a near-record 2016/17 crop to supplement their still ample stocks, further pressuring prices and improving competitiveness.

PRICES



Export quotes continued to decline over the past month for suppliers in both the Eastern and Western hemispheres. The United States quotes were pressured down \$5 to \$475/ton on record supplies, despite concerns about flooding in the Southern region. Thai quotes dropped \$33 to \$391/ton as auctions of old crop stocks continued, though quotes recently rose in response to the Philippines' tender requesting new crop rice. Indian quotes slid \$40 to \$355/ton as crop prospects improved. Pakistani quotes are down \$65 to \$340/ton as the new crop is forecast to be ample.

SELECTED TRADE CHANGES for 2016

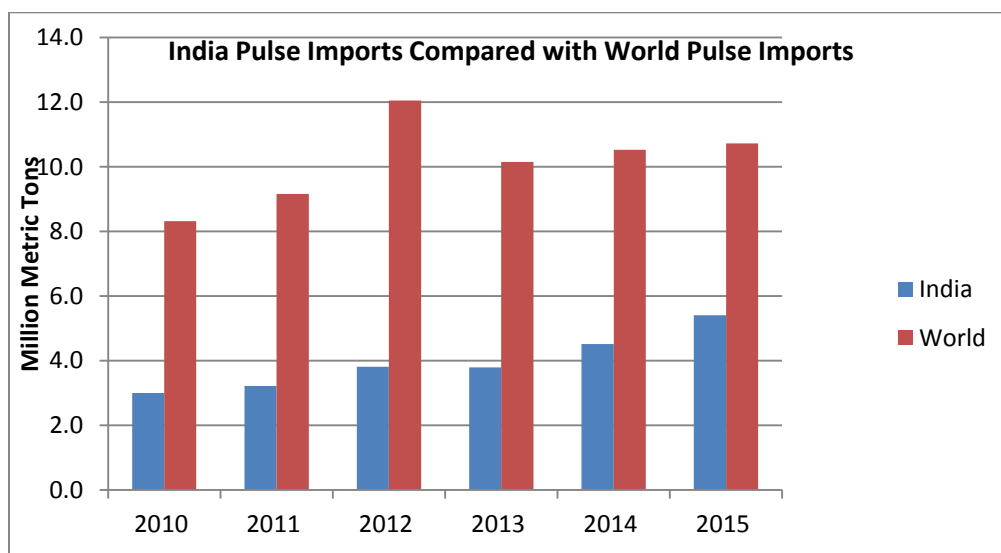
- **Burma's** exports are lowered 250,000 tons to 1.4 million on sluggish sales, particularly as border trade has declined..
- **India's** exports are raised 700,000 tons to 10.0 million on the strong pace of trade to date amid lower than expected domestic consumption.
- **Thailand's** exports are cut 100,000 tons to 9.7 million on slow recent shipments, despite recent auctions from stocks.
- **Vietnam's** exports are reduced 400,000 tons to 6.0 million as sales to East and Southeast Asia have been slower than usual.
- **Guinea's** imports are up 100,000 tons to 450,000 on strong trade to date.

SELECTED TRADE CHANGES for 2017

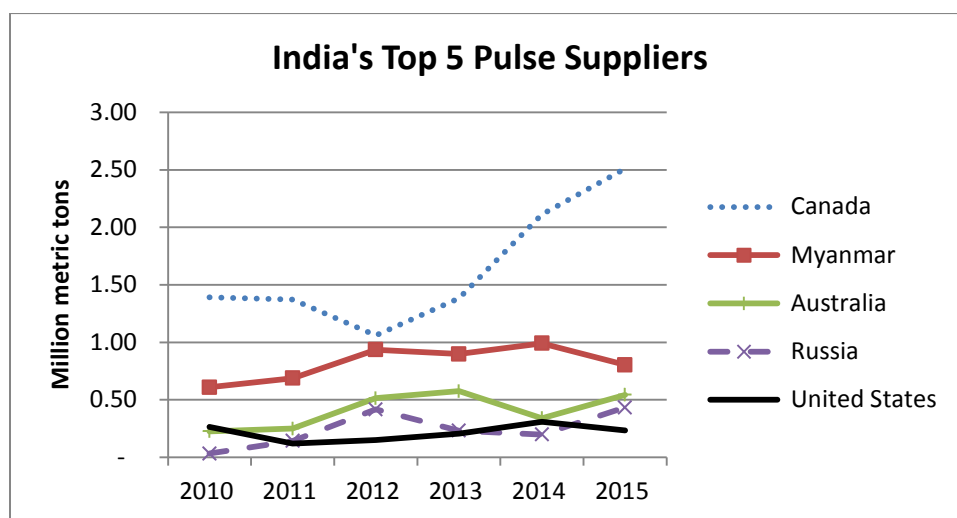
- **India's** exports are boosted 700,000 tons to 9.5 million for 2017 on the larger crop and improved competitiveness.
- **Vietnam's** exports are down 400,000 tons to 6.4 million on reduced competitiveness.

PULSES: WORLD MARKETS AND TRADE

India has been the largest world importer of pulses (HS 0713), including dry peas, chickpeas, lentils, and dry beans for the past 6 years, increasing from 35 to over 50 percent of global trade. Pulses are an important part of India's diet. Despite declining per capita consumption, population growth has driven overall consumption. Imports have filled the gap as producers favor other crops with higher returns.



Canadian exports have a competitive advantage in transportation over U.S. exports to India. Nevertheless in 2015, U.S. exports to India of dry peas, chickpeas, and lentils combined were about 260,000 tons. Since 2010, India has accounted for one-third of U.S. exports of these three commodities, and has been the largest single destination.



World Rice Trade
January/December Year, Thousand Metric Tons

	2012/13	2013/14	2014/15	2015/16	2016/17 Aua	2016/17 Sep
TY Exports						
Argentina	526	494	310	500	550	550
Australia	460	404	323	180	250	250
Brazil	830	852	895	700	800	800
Burma	1,163	1,688	1,735	1,400	1,750	1,700
Cambodia	1,075	1,000	1,150	900	1,050	1,050
China	447	393	262	350	300	300
Egypt	700	600	250	200	200	200
European Union	203	284	251	270	280	280
Guyana	346	446	500	540	540	540
India	10,480	11,588	11,046	10,000	8,800	9,500
Pakistan	4,126	3,700	4,000	4,500	4,250	4,250
Paraguay	365	380	371	480	470	470
Thailand	6,722	10,969	9,779	9,700	9,000	9,000
Uruguay	939	957	718	900	840	840
Vietnam	6,700	6,325	6,606	6,000	6,800	6,400
Others	1,116	1,081	1,090	1,183	1,100	1,100
Subtotal	36,198	41,161	39,286	37,803	36,980	37,230
United States	3,295	2,947	3,355	3,450	3,650	3,650
World Total	39,493	44,108	42,641	41,253	40,630	40,880
TY Imports						
Angola	430	500	450	450	475	475
Brazil	712	586	363	750	600	600
Cameroon	550	610	525	530	530	530
China	3,500	4,450	5,150	5,000	5,000	5,000
Cote d'Ivoire	830	950	1,150	1,250	1,200	1,200
Cuba	413	377	575	530	510	510
European Union	1,375	1,556	1,786	1,750	1,750	1,750
Ghana	725	590	500	650	650	650
Haiti	416	387	447	470	490	490
Indonesia	650	1,225	1,350	1,500	1,250	1,250
Iran	2,220	1,400	1,300	1,100	1,050	1,050
Iraq	1,294	1,080	1,009	1,050	1,100	1,100
Japan	690	669	688	700	700	700
Kenya	410	440	450	460	470	470
Malaysia	885	989	1,051	1,020	1,050	1,050
Mexico	746	684	719	700	750	750
Mozambique	500	590	560	550	560	560
Nepal	340	510	529	500	550	550
Nigeria	2,400	3,200	2,200	2,100	1,900	1,900
Philippines	1,000	1,800	2,000	1,500	1,500	1,500
Saudi Arabia	1,326	1,459	1,600	1,550	1,550	1,550
Senegal	902	960	990	985	990	990
South Africa	990	910	912	1,000	925	925
United Arab Emirates	540	560	580	600	610	610
Yemen	432	440	520	400	420	420
Others	11,491	13,445	11,470	11,134	11,049	11,214
Subtotal	35,767	40,367	38,874	38,229	37,629	37,794
Unaccounted	3,051	2,986	3,009	2,259	2,226	2,311
United States	675	755	758	765	775	775
World Total	39,493	44,108	42,641	41,253	40,630	40,880

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

	2012/13	2013/14	2014/15	2015/16	2016/17 Aug	2016/17 Sep
Milled Production						
Bangladesh	33,820	34,390	34,500	34,500	34,515	34,515
Brazil	8,037	8,300	8,465	7,210	8,500	8,500
Burma	11,715	11,957	12,600	12,200	12,500	12,500
Cambodia	4,670	4,725	4,700	4,350	4,700	4,700
China	143,000	142,530	144,560	145,770	146,500	146,500
Egypt	4,675	4,750	4,530	4,000	4,000	4,000
India	105,240	106,646	105,480	104,300	105,000	106,500
Indonesia	36,550	36,300	35,560	36,200	36,600	36,600
Japan	7,907	7,931	7,849	7,653	7,680	7,680
Korea, South	4,006	4,230	4,241	4,327	4,000	4,000
Pakistan	5,536	6,798	6,900	6,700	6,900	6,900
Philippines	11,428	11,858	11,915	11,350	12,000	12,000
Sri Lanka	2,675	2,840	2,850	3,300	3,400	3,400
Thailand	20,200	20,460	18,750	15,800	17,000	17,000
Vietnam	27,537	28,161	28,166	27,458	28,500	27,800
Others	39,151	40,446	40,532	40,468	41,530	41,604
Subtotal	466,147	472,322	471,598	465,586	473,325	474,199
United States	6,348	6,117	7,106	6,107	7,758	7,530
World Total	472,495	478,439	478,704	471,693	481,083	481,729
Consumption and Residual						
Bangladesh	34,500	34,900	35,100	35,200	35,000	35,000
Brazil	7,850	7,900	7,925	7,800	7,950	7,950
Burma	10,400	10,450	10,500	10,700	10,700	10,850
Cambodia	3,550	3,650	3,615	3,600	3,600	3,600
China	141,000	143,000	144,500	144,500	144,500	144,500
Egypt	4,050	4,000	4,000	3,950	3,950	3,950
India	94,031	98,710	98,233	94,266	97,500	97,000
Indonesia	38,127	38,500	38,300	38,100	38,000	38,000
Japan	8,351	8,380	8,600	8,600	8,700	8,700
Korea, South	4,489	4,422	4,197	4,304	4,334	4,334
Nepal	3,353	3,811	3,716	3,600	3,650	3,650
Nigeria	5,300	5,600	5,400	5,250	5,100	5,100
Philippines	12,850	12,850	13,200	13,200	13,300	13,300
Thailand	10,600	10,700	10,600	10,800	11,100	11,100
Vietnam	21,600	22,000	22,000	21,900	21,900	22,000
Others	59,066	61,211	61,534	61,949	63,081	63,326
Subtotal	461,730	474,515	473,787	469,857	474,445	474,581
United States	3,779	3,977	4,301	3,529	4,382	4,223
World Total	465,509	478,492	478,088	473,386	478,827	478,804
Ending Stocks						
China	49,832	53,102	57,436	63,206	69,906	69,906
India	25,440	22,757	17,766	17,800	16,200	17,800
Indonesia	6,476	5,501	4,111	3,711	3,561	3,561
Japan	2,857	3,007	2,821	2,494	2,089	2,089
Korea, South	780	899	1,406	1,827	1,901	1,901
Philippines	1,487	1,695	2,210	1,960	2,160	2,160
Thailand	12,808	11,899	10,570	6,170	3,220	3,320
Others	12,972	13,870	16,499	14,035	12,992	12,989
Subtotal	112,652	112,730	112,819	111,203	112,029	113,726
United States	1,156	1,025	1,552	1,475	1,737	1,877
World Total	113,808	113,755	114,371	112,678	113,766	115,603

Note: All data are reported on a milled basis.

Regional Rice Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2012/13	2013/14	2014/15	2015/16	Aug 2016/17	Sep 2016/17
TY Imports						
North America	1,776	1,800	1,839	1,825	1,890	1,890
Caribbean	971	901	1,173	1,160	1,160	1,155
South America	1,833	1,814	1,679	1,877	1,862	1,862
Other Europe	125	132	128	135	140	140
Former Soviet Union - 12	557	626	569	501	531	531
Middle East	7,252	6,711	6,462	6,125	6,205	6,230
North Africa	487	485	391	450	405	405
Sub-Saharan Africa	11,567	12,627	10,824	11,370	11,090	11,195
East Asia	5,349	6,045	6,686	6,636	6,631	6,631
South Asia	722	2,566	1,692	960	980	980
Southeast Asia	3,606	5,023	5,674	5,330	4,960	4,960
Others	2,197	2,392	2,515	2,625	2,550	2,590
Total	36,442	41,122	39,632	38,994	38,404	38,569
Production						
North America	6,479	6,248	7,285	6,256	7,931	7,703
Caribbean	974	1,054	1,104	996	1,005	1,055
South America	15,852	16,384	16,365	15,219	16,409	16,433
European Union - 28	2,100	1,937	1,963	2,055	2,026	2,026
Former Soviet Union - 12	1,294	1,205	1,185	1,262	1,230	1,230
Middle East	2,251	2,450	2,443	2,392	2,613	2,613
North Africa	4,704	4,789	4,530	4,000	4,000	4,000
Sub-Saharan Africa	13,272	13,984	14,438	15,127	15,390	15,390
East Asia	157,953	157,701	159,486	160,194	160,924	160,924
South Asia	150,631	154,490	153,331	152,297	153,318	154,818
Southeast Asia	115,490	116,867	115,367	111,084	115,071	114,371
Others	1,495	1,330	1,207	811	1,166	1,166
Total	472,495	478,439	478,704	471,693	481,083	481,729
Domestic Consumption						
North America	4,977	5,215	5,539	4,774	5,637	5,478
Central America	1,171	1,200	1,203	1,267	1,293	1,333
Caribbean	1,954	1,992	2,136	2,142	2,201	2,201
South America	14,341	14,582	14,617	14,637	14,683	14,703
European Union - 28	3,250	3,250	3,350	3,450	3,500	3,500
Former Soviet Union - 12	1,579	1,605	1,524	1,540	1,551	1,551
Middle East	8,989	9,190	9,232	8,970	9,010	9,040
North Africa	4,572	4,480	4,379	4,320	4,320	4,320
Sub-Saharan Africa	24,741	26,176	26,032	26,315	26,684	26,839
East Asia	157,459	159,414	160,566	160,304	160,759	160,759
South Asia	137,462	143,386	143,430	139,513	142,793	142,293
Southeast Asia	101,694	102,863	103,157	103,486	103,781	104,031
Others	707	708	556	530	535	535
Total	462,896	474,061	475,721	471,248	476,747	476,583
Ending Stocks						
North America	1,345	1,180	1,713	1,598	1,901	2,031
Central America	186	210	233	250	228	248
Caribbean	289	264	263	271	240	285
South America	1,586	1,844	2,105	1,371	1,518	1,552
European Union - 28	1,188	1,163	1,210	1,305	1,301	1,301
Middle East	2,004	1,864	1,775	1,247	1,025	1,025
North Africa	427	610	924	854	739	739
Sub-Saharan Africa	2,229	2,033	2,191	1,973	1,434	1,434
East Asia	53,832	57,296	61,919	67,763	74,152	74,152
South Asia	26,819	25,008	21,490	20,792	18,962	20,562
Southeast Asia	23,486	21,876	20,157	15,060	12,077	12,085
Oceania	238	241	223	53	63	63
Others	179	166	168	141	126	126
Total	113,808	113,755	114,371	112,678	113,766	115,603

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.

COARSE GRAINS: WORLD MARKETS AND TRADE

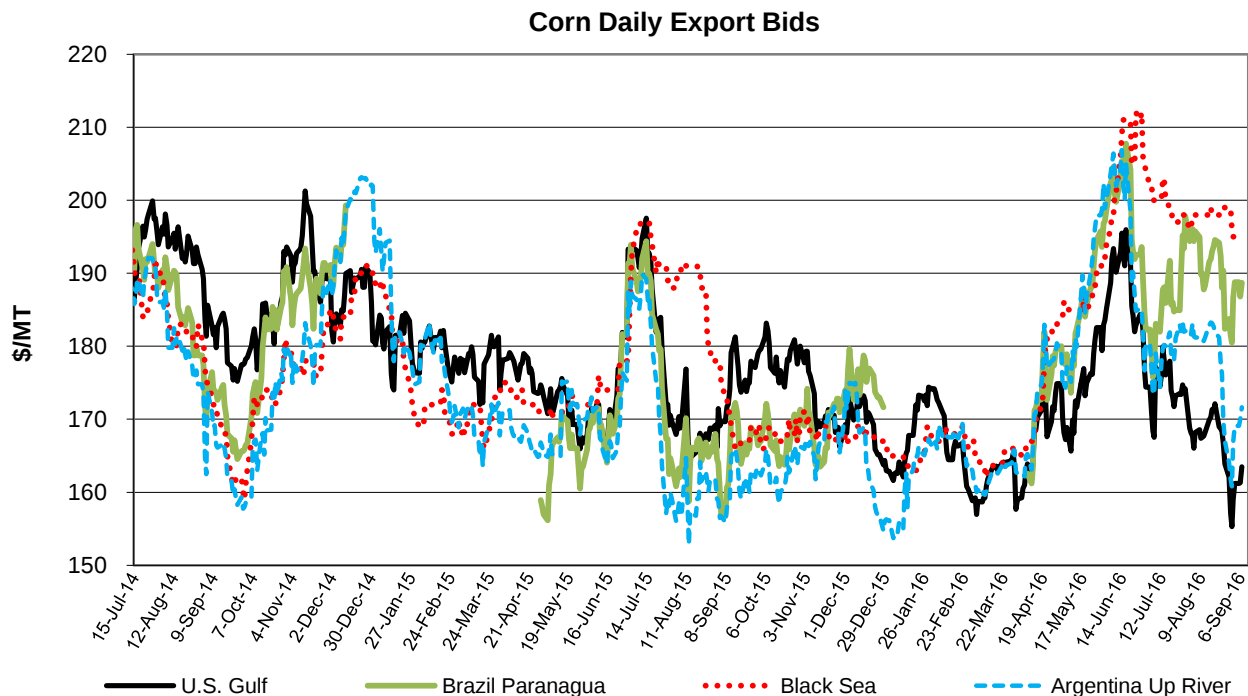
OVERVIEW

For **2016/17**, global corn production is lowered from last month with reductions for China, the EU, and the United States more than offsetting gains for Brazil and Canada. U.S. production is forecast down with lower yield. Global trade is projected higher with larger imports primarily for China. Forecast exports are raised for Argentina and Brazil. The U.S. season-average farm price is forecast 5 cents higher to \$3.20 per bushel at the midpoint.

For **2015/16**, global corn production is lower as a reduction for Brazil more than offsets an increase for Mexico. Trade is up with larger imports for Iran, Vietnam, and Canada. Exports are raised for Argentina, Brazil, and Thailand. The U.S. season-average farm price is unchanged at \$3.60 per bushel.

PRICES

Since the release of the August WASDE report, FOB quotes for Brazil are up \$2 to \$192 per ton. However, quotes for other major exporters have dropped, influenced by prospects for large supplies. Argentina's quotes are down \$9 to \$172 per ton, while Black Sea quotes are down \$3 to \$195 per ton. U.S. quotes fell \$3 to \$165 per ton with a record yield forecast in August. On an FOB basis, U.S. corn is the most competitive relative to other exporters.



TRADE CHANGES IN 2016/17

Selected Exporters

- **Argentine corn** is up 1.5 million tons to 25.0 million with the expectation of rising global demand and competitive prices. **Barley** is up 200,000 tons to 2.1 million on larger projected supplies.
- **Brazilian corn** is up 500,000 tons to 20.0 million based on a larger forecast crop.
- **Canadian corn** is up 100,000 tons to 600,000 on larger production. **Barley** is also up 200,000 tons to 1.6 million on a larger crop. **Oats** are down 200,000 tons to 1.5 million on a smaller crop.
- **Australian barley** is boosted 500,000 tons to 6.7 million with a larger projected crop and reduced competition.
- **EU barley** is cut 1.5 million tons to 6.5 million on a reduced crop.
- **Kazakhstani barley** is cut 200,000 tons to 700,000 on a smaller crop.
- **Russian barley** is down 400,000 tons to 4.4 million on a smaller crop.
- **Ukrainian barley** is raised 500,000 tons to 5.0 million on reduced competition.

Selected Importers

- **Chinese corn** is boosted 2.0 million tons to 3.0 million to offset a smaller projected crop. Trade by non-state importers is expected higher. **Barley**, however, is cut 1.0 million tons to 5.0 million reflecting a slowdown in demand.
- **Lebanese corn** is raised 100,000 tons to 800,000 on expected steady demand.
- **Jordanian barley** is cut 100,000 tons to 900,000 reflecting reduced supplies in key supplying countries.
- **Saudi Arabian barley** is up 500,000 tons to 10.5 million on expected steady demand.
- **U.S. oats** are reduced 100,000 tons to 1.5 million reflecting smaller supplies in Canada, the major supplier.

TRADE CHANGES IN 2015/16

Selected Exporters – based on trade data

- **Argentine corn** is raised 1.5 million tons to 20.5 million.
- **Brazilian corn** is raised 500,000 tons to 33.5 million.
- **Indian corn** is raised 100,000 tons to 450,000.
- **Serbian corn** is down 100,000 tons to 1.6 million.
- **Thai corn** is up 300,000 tons to 450,000.
- **Russian barley** is cut 100,000 tons to 3.7 million.
- **Ukrainian barley** is boosted 500,000 tons to 4.7 million.
- **U.S. sorghum** is up 150,000 tons to 8.4 million.

Selected Importers – based on trade data

- **Brazilian corn** is down 100,000 tons to 1.7 million.
- **Canadian corn** is boosted 200,000 tons to 1.2 million.
- **Iranian corn** is boosted 400,000 tons to 5.9 million.
- **Iraqi corn** is up 130,000 tons to 330,000.
- **Lebanese corn** is boosted 150,000 tons to 850,000.
- **Chinese sorghum** is boosted 200,000 tons to 7.4 million, while **barley** is cut 800,000 tons to 6.2 million.
- **Saudi Arabian barley** is up 900,000 tons to 10.7 million. **Corn** imports are also up 100,000 tons to 3.6 million.
- **Vietnamese corn** is up 300,000 tons to 7.2 million.

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

	2012/13	2013/14	2014/15	2015/16	2016/17 Aua	2016/17 Sep
TY Exports						
Argentina	29,497	16,630	21,003	24,205	26,205	27,905
Australia	6,416	7,009	7,291	6,525	7,475	7,975
Brazil	26,078	22,059	21,954	33,535	19,530	20,030
Canada	4,658	5,482	3,597	4,650	3,750	3,850
European Union	8,943	7,841	15,067	12,492	10,355	8,855
Paraguay	2,861	2,718	3,031	2,715	2,315	2,315
Russia	4,366	7,074	9,155	8,160	9,360	8,960
Serbia	605	1,799	3,001	1,640	2,260	2,260
South Africa	2,412	2,127	770	715	1,325	1,325
Ukraine	15,527	24,125	24,208	21,320	21,630	22,130
Others	10,279	11,215	7,993	7,430	7,355	7,085
Subtotal	111,642	108,079	117,070	123,387	111,560	112,690
United States	20,586	56,776	56,423	58,155	61,635	61,635
World Total	132,228	164,855	173,493	181,542	173,195	174,325
TY Imports						
Algeria	3,289	4,946	4,863	5,030	5,025	5,025
Brazil	1,238	1,184	1,023	2,205	1,500	1,550
Canada	522	714	1,710	1,335	1,590	1,590
Chile	1,327	1,621	1,707	1,925	2,050	2,025
China	5,603	12,445	25,699	16,910	12,700	13,700
Colombia	4,090	4,795	4,747	4,870	4,840	4,840
Egypt	5,097	8,775	7,940	8,580	8,855	8,855
European Union	11,778	16,355	9,146	13,580	12,530	12,530
Indonesia	2,719	3,513	3,381	2,100	2,200	2,200
Iran	4,800	6,600	8,100	7,800	7,100	7,100
Israel	1,564	2,073	1,603	1,690	1,810	1,810
Japan	17,742	17,501	16,726	16,945	16,900	16,900
Jordan	1,406	1,672	1,459	1,500	1,675	1,575
Korea, South	8,265	10,499	10,245	10,390	10,090	10,090
Malaysia	3,048	3,485	3,238	3,500	3,600	3,600
Mexico	7,624	11,312	11,570	14,425	14,475	14,475
Morocco	1,832	2,858	2,217	3,000	3,300	3,300
Peru	2,404	2,336	2,863	2,825	2,835	2,835
Saudi Arabia	12,390	11,332	11,115	14,310	13,505	14,005
South Africa	92	235	687	2,950	2,680	2,680
Taiwan	4,413	4,346	3,949	4,415	4,300	4,300
Tunisia	1,608	1,449	1,524	1,850	1,900	1,900
Turkey	1,922	1,977	2,719	985	1,905	1,905
Venezuela	2,154	2,627	2,433	1,800	2,100	2,100
Vietnam	1,600	4,300	6,700	7,200	6,000	6,000
Others	14,754	17,451	18,547	19,809	19,656	19,796
Subtotal	123,281	156,401	165,911	171,929	165,121	166,686
Unaccounted	2,432	5,131	4,287	5,733	4,599	4,264
United States	6,515	3,323	3,295	3,880	3,475	3,375
World Total	132,228	164,855	173,493	181,542	173,195	174,325

TY=Trade Year, see Endnotes.

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

	2012/13	2013/14	2014/15	2015/16	2016/17 Aua	2016/17 Sep
Production						
Argentina	37,246	35,665	35,732	36,949	43,489	44,139
Australia	11,414	12,158	12,605	12,437	13,664	14,164
Brazil	84,253	82,603	87,669	69,145	82,963	85,463
Canada	24,445	28,745	21,992	25,660	24,315	24,640
China	212,192	225,408	222,750	231,780	225,700	223,700
Ethiopia	12,286	13,079	13,346	9,985	12,750	12,750
European Union	146,188	159,212	170,855	152,408	156,806	154,381
India	39,910	43,216	43,081	37,750	43,200	43,200
Indonesia	8,500	9,100	9,000	9,300	9,600	9,600
Mexico	28,881	32,065	32,689	32,189	32,225	31,825
Nigeria	18,573	19,292	19,015	17,950	18,500	18,500
Russia	28,658	35,735	40,386	37,427	40,500	40,000
South Africa	12,873	15,518	11,110	7,478	13,558	13,558
Turkey	10,595	13,090	9,425	14,275	10,925	10,925
Ukraine	29,528	40,022	39,389	33,387	37,050	37,050
Others	145,578	148,085	159,010	152,535	154,790	154,503
Subtotal	851,120	912,993	928,054	880,655	920,035	918,398
United States	285,311	367,089	377,234	366,902	402,529	401,342
World Total	1,136,431	1,280,082	1,305,288	1,247,557	1,322,564	1,319,740
Domestic Consumption						
Argentina	12,050	13,695	14,232	14,331	15,639	15,739
Brazil	55,803	58,028	60,023	58,707	61,268	61,318
Canada	20,340	22,345	21,295	21,970	22,245	22,255
China	209,671	223,546	229,059	238,785	245,650	244,650
Egypt	12,910	14,080	14,809	15,703	16,008	16,008
European Union	153,341	164,401	162,555	157,004	160,445	160,545
India	35,075	37,600	40,400	39,620	41,650	41,650
Iran	10,520	11,320	12,020	13,720	14,220	14,220
Japan	17,830	17,570	16,933	17,246	17,211	17,211
Mexico	36,195	40,935	42,075	44,015	45,615	45,515
Nigeria	18,700	19,350	18,950	18,150	18,500	18,500
Russia	25,134	28,619	31,139	29,840	30,850	30,850
Saudi Arabia	10,925	11,550	12,025	13,950	14,125	14,525
Turkey	13,005	13,430	13,055	14,430	13,280	13,280
Ukraine	14,661	15,977	15,430	13,825	14,675	14,675
Others	219,027	227,835	240,714	239,128	243,556	243,546
Subtotal	859,121	927,407	960,474	935,010	985,772	985,823
United States	275,537	305,044	311,339	312,638	326,045	325,650
World Total	1,134,658	1,232,451	1,271,813	1,247,648	1,311,817	1,311,473
Ending Stocks						
Argentina	2,471	3,169	3,285	2,803	4,913	4,203
Brazil	9,560	14,259	8,213	5,621	6,321	6,286
China	68,377	82,651	102,019	111,879	104,599	104,599
European Union	13,055	15,565	18,846	14,954	13,586	12,465
Iran	4,654	5,094	7,234	7,474	6,514	6,714
Mexico	1,542	3,487	4,860	6,462	6,494	6,447
Saudi Arabia	3,415	3,912	3,500	4,400	3,820	4,120
Others	37,427	49,213	50,233	43,912	43,853	43,695
Subtotal	140,501	177,350	198,190	197,505	190,100	188,529
United States	23,531	34,313	46,948	47,542	65,409	64,785
World Total	164,032	211,663	245,138	245,047	255,509	253,314

Regional Coarse Grains Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2012/13	2013/14	2014/15	2015/16	Aug 2016/17	Sep 2016/17
TY Imports						
North America	14,661	15,349	16,575	19,640	19,540	19,440
Central America	2,470	2,923	3,460	3,925	3,635	3,725
Caribbean	2,327	2,330	2,444	2,465	2,560	2,560
South America	11,812	13,182	13,353	14,060	13,775	13,800
European Union - 28	11,778	16,355	9,146	13,580	12,530	12,530
Former Soviet Union - 12	728	807	730	580	705	655
Middle East	25,078	26,614	27,869	29,525	29,025	29,525
North Africa	13,046	19,521	18,229	20,060	20,580	20,580
Sub-Saharan Africa	2,742	3,632	4,603	7,296	7,320	7,320
East Asia	36,176	44,865	56,676	48,730	44,070	45,070
Southeast Asia	7,961	12,814	14,736	14,270	13,375	13,375
Others	1,017	1,332	1,385	1,678	1,481	1,481
Total	129,796	159,724	169,206	175,809	168,596	170,061
Production						
North America	338,637	427,899	431,915	424,751	459,069	457,807
South America	136,025	131,844	136,768	119,728	140,219	143,437
European Union - 28	146,188	159,212	170,855	152,408	156,806	154,381
Other Europe	6,570	8,813	10,649	8,946	9,973	10,023
Former Soviet Union - 12	68,222	87,758	91,599	82,761	90,281	89,376
Middle East	18,769	21,774	17,888	23,382	19,972	19,972
North Africa	10,155	11,556	11,073	12,516	9,639	9,639
Sub-Saharan Africa	103,534	102,584	108,311	93,259	103,925	103,925
East Asia	214,616	227,798	225,528	234,420	228,359	226,359
South Asia	47,642	51,986	51,827	46,304	52,028	52,028
Southeast Asia	29,158	31,003	31,088	31,507	33,273	33,273
Oceania	12,082	12,805	13,273	13,144	14,304	14,804
Others	4,833	5,050	4,514	4,431	4,716	4,716
Total	1,136,431	1,280,082	1,305,288	1,247,557	1,322,564	1,319,740
Domestic Consumption						
North America	332,072	368,324	374,709	378,623	393,905	393,420
South America	89,796	94,375	96,974	96,001	100,589	100,674
European Union - 28	153,341	164,401	162,555	157,004	160,445	160,545
Other Europe	7,100	7,707	8,036	8,212	8,292	8,312
Former Soviet Union - 12	50,225	55,686	58,148	55,223	57,396	57,291
Middle East	43,027	45,892	45,706	51,012	50,487	50,937
North Africa	24,941	27,987	30,177	32,004	31,588	31,588
Sub-Saharan Africa	103,220	102,314	109,803	101,920	104,990	104,990
East Asia	242,831	257,690	262,977	273,212	279,837	278,837
South Asia	42,704	46,167	49,321	48,924	51,134	51,134
Southeast Asia	35,787	38,943	41,558	43,805	44,916	44,916
Oceania	6,107	5,764	5,846	6,334	6,549	6,549
Others	9,573	10,075	10,243	10,788	10,854	10,944
Total	1,140,724	1,225,325	1,256,053	1,263,062	1,300,982	1,300,137
Ending Stocks						
North America	28,097	42,448	55,142	57,930	75,687	75,283
South America	15,559	21,435	14,724	11,583	14,174	13,496
European Union - 28	13,055	15,565	18,846	14,954	13,586	12,465
Other Europe	631	751	1,064	933	1,163	1,281
Former Soviet Union - 12	4,983	7,029	7,435	4,727	5,764	5,102
Middle East	10,118	11,911	12,874	14,579	12,363	12,869
North Africa	3,553	5,666	5,514	5,845	4,367	4,316
Sub-Saharan Africa	9,049	9,559	11,258	8,181	9,241	9,241
East Asia	71,678	86,663	105,873	115,766	108,328	108,328
South Asia	2,408	4,099	5,301	2,861	3,410	3,341
Southeast Asia	3,230	4,472	4,516	4,986	4,429	4,533
Oceania	902	1,115	1,624	1,695	2,024	2,020
Others	769	950	967	1,007	973	1,039
Total	164,032	211,663	245,138	245,047	255,509	253,314

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

	2012/13	2013/14	2014/15	2015/16	2016/17 Aua	2016/17 Sep
TY Exports						
Argentina	22,789	12,846	18,448	20,500	23,500	25,000
Brazil	26,044	22,041	21,909	33,500	19,500	20,000
Burma	550	700	850	900	950	950
European Union	2,194	2,404	4,026	1,800	2,000	2,000
Mexico	522	501	784	1,000	800	800
Paraguay	2,858	2,714	3,012	2,700	2,300	2,300
Russia	1,917	4,194	3,213	4,400	4,500	4,500
Serbia	578	1,780	2,964	1,600	2,200	2,200
South Africa	2,398	2,104	746	700	1,300	1,300
Ukraine	12,726	20,004	19,661	16,400	17,000	17,000
Others	9,708	10,451	5,582	5,970	4,600	4,630
Subtotal	82,284	79,739	81,195	89,470	78,650	80,680
United States	18,262	50,691	46,831	49,500	55,000	55,000
World Total	100,546	130,430	128,026	138,970	133,650	135,680
TY Imports						
Algeria	2,918	4,156	4,116	4,100	4,100	4,100
Canada	492	678	1,533	1,200	1,500	1,500
Chile	844	1,456	1,516	1,700	1,800	1,800
China	2,702	3,277	5,516	3,150	1,000	3,000
Colombia	3,266	4,436	4,496	4,500	4,500	4,500
Dominican Republic	1,046	1,011	1,202	1,200	1,225	1,225
Egypt	5,059	8,726	7,841	8,500	8,750	8,750
European Union	11,362	16,014	8,646	13,200	12,000	12,000
Indonesia	2,719	3,513	3,381	2,100	2,200	2,200
Iran	3,700	5,500	6,200	5,900	5,500	5,500
Israel	1,224	1,652	1,296	1,400	1,500	1,500
Japan	14,411	15,121	14,657	15,000	15,000	15,000
Korea, South	8,174	10,406	10,168	10,300	10,000	10,000
Malaysia	3,048	3,485	3,238	3,500	3,600	3,600
Mexico	5,676	10,949	11,269	13,500	13,500	13,500
Morocco	1,684	2,349	1,941	2,100	2,300	2,300
Peru	2,254	2,232	2,741	2,700	2,700	2,700
Saudi Arabia	2,063	2,684	2,904	3,600	3,500	3,500
South Africa	0	79	469	2,700	2,500	2,500
Taiwan	4,241	4,179	3,821	4,300	4,200	4,200
Tunisia	846	993	1,041	1,200	1,200	1,200
Turkey	1,656	1,381	2,377	900	1,500	1,500
Venezuela	2,154	2,626	2,433	1,800	2,100	2,100
Vietnam	1,600	4,300	6,700	7,200	6,000	6,000
Zimbabwe	700	600	700	800	1,400	1,400
Others	11,026	14,156	14,468	16,636	15,675	15,865
Subtotal	94,865	125,959	124,670	133,186	129,250	131,440
Unaccounted	1,416	3,744	2,547	4,134	3,150	2,990
United States	4,265	727	809	1,650	1,250	1,250
World Total	100,546	130,430	128,026	138,970	133,650	135,680

TY=Trade Year, see Endnotes.

World Corn Production, Consumption, and Stocks

Local Marketing Years, Thousand Metric Tons

	2012/13	2013/14	2014/15	2015/16	2016/17 Aua	2016/17 Sep
Production						
Argentina	27,000	26,000	28,700	28,000	36,500	36,500
Brazil	81,500	80,000	85,000	67,000	80,000	82,500
Canada	13,060	14,194	11,487	13,600	12,000	12,350
China	205,614	218,490	215,646	224,580	218,000	216,000
Ethiopia	6,158	6,492	6,580	5,050	6,300	6,300
European Union	59,142	64,931	75,840	59,083	62,104	61,149
India	22,258	24,259	24,170	21,000	24,500	24,500
Indonesia	8,500	9,100	9,000	9,300	9,600	9,600
Mexico	21,591	22,880	25,480	25,800	24,500	24,500
Nigeria	7,630	7,700	7,515	7,000	7,200	7,200
Philippines	7,261	7,532	7,671	7,500	8,000	8,000
Russia	8,213	11,635	11,325	13,168	14,000	14,000
Serbia	3,750	5,900	7,700	6,000	7,000	7,000
South Africa	12,365	14,925	10,629	7,000	13,000	13,000
Ukraine	20,922	30,900	28,450	23,333	26,000	26,000
Others	91,579	94,580	97,335	96,125	94,779	94,633
Subtotal	596,543	639,518	652,528	613,539	643,483	643,232
United States	273,192	351,272	361,091	345,486	384,916	383,378
World Total	869,735	990,790	1,013,619	959,025	1,028,399	1,026,610
Total Consumption						
Argentina	7,900	8,800	9,300	9,300	10,600	10,600
Brazil	52,500	55,000	57,000	56,000	58,000	58,000
Canada	11,604	12,675	12,820	13,100	13,300	13,300
China	200,000	208,000	202,000	217,500	226,000	226,000
Egypt	12,000	13,200	13,900	14,750	15,050	15,050
European Union	69,846	76,796	77,880	72,714	73,700	73,200
India	17,500	19,600	22,300	22,300	23,300	23,300
Indonesia	10,900	11,900	12,200	11,300	11,600	11,600
Japan	14,300	15,000	14,600	15,100	15,100	15,100
Korea, South	8,481	9,891	10,250	10,350	10,100	10,100
Mexico	27,000	31,700	34,450	36,700	37,000	37,200
Philippines	7,400	8,000	8,500	8,700	8,800	8,800
Russia	6,400	7,500	8,100	8,900	9,500	9,500
South Africa	11,000	11,500	11,700	11,000	11,300	11,300
Vietnam	6,400	7,700	9,400	12,500	12,500	12,500
Others	143,094	152,492	157,632	157,096	158,793	158,803
Subtotal	601,804	655,821	678,818	659,200	703,861	703,961
United States	262,973	292,958	301,792	298,887	313,069	312,434
World Total	864,777	948,779	980,610	958,087	1,016,930	1,016,395
Ending Stocks						
Argentina	1,308	1,408	1,909	1,114	4,019	3,019
Brazil	9,150	13,972	7,842	5,342	5,942	5,942
China	67,570	81,315	100,464	110,674	103,654	103,654
European Union	5,146	6,891	9,471	7,240	5,644	5,189
Indonesia	1,040	1,741	1,666	1,746	1,926	1,926
Iran	3,236	4,476	5,816	5,856	5,096	5,296
Mexico	975	2,603	4,118	5,718	5,618	5,718
Others	24,006	31,603	33,050	27,977	27,717	28,172
Subtotal	112,431	144,009	164,336	165,667	159,616	158,916
United States	20,859	31,292	43,974	43,581	61,196	60,547
World Total	133,290	175,301	208,310	209,248	220,812	219,463

Regional Corn Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2012/13	2013/14	2014/15	2015/16	Aug 2016/17	Sep 2016/17
TY Imports						
North America	10,433	12,354	13,611	16,350	16,250	16,250
Central America	2,470	2,922	3,460	3,925	3,635	3,725
South America	9,651	12,027	12,040	12,600	12,550	12,550
European Union - 28	11,362	16,014	8,646	13,200	12,000	12,000
Former Soviet Union - 12	322	448	498	420	420	420
Middle East	10,944	13,812	15,338	14,700	14,625	14,725
North Africa	11,154	17,036	15,623	16,600	17,050	17,050
Sub-Saharan Africa	2,092	2,939	3,772	6,226	6,635	6,635
East Asia	29,681	33,057	34,219	32,820	30,280	32,280
Southeast Asia	7,943	12,768	14,722	14,255	13,360	13,360
Caribbean	2,327	2,330	2,444	2,465	2,560	2,560
Others	751	979	1,106	1,275	1,135	1,135
Total	99,130	126,686	125,479	134,836	130,500	132,690
Production						
North America	307,843	388,346	398,058	384,886	421,416	420,228
South America	120,997	117,456	125,140	106,459	127,895	130,299
European Union - 28	59,142	64,931	75,840	59,083	62,104	61,149
Other Europe	4,915	7,210	8,945	7,176	8,179	8,229
Former Soviet Union - 12	32,310	46,916	43,801	40,422	44,160	44,060
Middle East	7,480	8,158	7,838	9,228	8,508	8,508
North Africa	5,919	5,898	6,161	6,201	6,201	6,201
Sub-Saharan Africa	60,522	63,493	62,400	54,383	59,628	59,628
East Asia	207,737	220,583	218,095	226,928	220,358	218,358
South Asia	28,857	31,865	31,740	28,370	32,070	32,070
Central America	3,743	3,893	3,366	3,300	3,560	3,560
Southeast Asia	28,893	30,721	30,794	31,212	32,983	32,983
Others	1,377	1,320	1,441	1,377	1,337	1,337
Total	869,735	990,790	1,013,619	959,025	1,028,399	1,026,610
Domestic Consumption						
North America	301,577	337,333	349,062	348,687	363,369	362,934
South America	78,981	83,551	86,376	85,345	89,305	89,105
European Union - 28	69,846	76,796	77,880	72,714	73,700	73,200
Other Europe	5,194	5,847	6,122	6,285	6,290	6,310
Former Soviet Union - 12	18,080	21,130	21,482	21,015	22,265	22,265
Middle East	18,710	19,785	21,810	23,455	23,835	23,935
North Africa	18,450	20,800	22,100	23,150	23,675	23,675
Sub-Saharan Africa	60,006	62,418	63,855	61,312	60,438	60,438
East Asia	229,234	239,185	233,237	249,445	257,755	257,755
South Asia	23,980	26,982	30,007	30,250	31,470	31,470
Southeast Asia	35,509	38,654	41,224	43,500	44,610	44,610
Central America	6,175	6,650	6,690	7,120	7,135	7,225
Others	3,556	3,581	3,979	3,919	3,865	3,865
Total	869,298	942,712	963,824	976,197	1,007,712	1,006,787
Ending Stocks						
North America	23,383	35,495	49,494	50,801	68,016	67,717
South America	13,628	19,022	12,664	9,308	12,563	11,607
European Union - 28	5,146	6,891	9,471	7,240	5,644	5,189
Other Europe	384	505	860	761	990	1,120
Former Soviet Union - 12	1,948	3,368	3,023	1,865	2,235	2,185
Middle East	4,286	6,035	7,300	7,468	6,401	6,621
North Africa	1,771	3,117	3,306	2,868	2,463	2,434
Sub-Saharan Africa	6,589	7,534	8,782	6,484	7,334	7,334
East Asia	70,378	84,856	103,925	114,208	107,071	107,071
South Asia	1,744	3,005	3,935	2,180	2,630	2,550
Southeast Asia	3,225	4,466	4,510	4,980	4,429	4,533
Central America	474	610	587	715	689	755
Others	334	397	453	370	347	347
Total	133,290	175,301	208,310	209,248	220,812	219,463

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

	2012/13	2013/14	2014/15	2015/16	2016/17 Aua	2016/17 Sep
TY Exports						
Argentina	3,647	2,829	1,599	2,800	1,900	2,100
Australia	4,622	6,261	5,266	5,200	6,200	6,700
Canada	1,316	1,714	1,384	1,300	1,400	1,600
European Union	6,501	4,926	10,642	10,300	8,000	6,500
India	546	546	97	100	200	200
Kazakhstan	151	501	476	800	900	700
Russia	2,366	2,791	5,807	3,700	4,800	4,400
Serbia	26	18	37	40	60	60
Ukraine	2,659	3,827	4,332	4,700	4,500	5,000
Uruguay	107	36	43	25	50	50
Others	58	42	123	40	75	75
Subtotal	21,999	23,491	29,806	29,005	28,085	27,385
United States	163	336	291	275	300	300
World Total	22,162	23,827	30,097	29,280	28,385	27,685
TY Imports						
Algeria	364	778	723	900	900	900
Brazil	369	337	489	500	400	450
China	2,183	4,891	9,859	6,200	6,000	5,000
Colombia	232	253	249	300	285	285
Egypt	37	46	98	75	100	100
European Union	53	58	269	200	300	300
Iran	1,100	1,100	1,900	1,900	1,600	1,600
Israel	244	304	278	250	275	275
Japan	1,356	1,294	1,097	1,100	1,100	1,100
Jordan	831	997	759	850	1,000	900
Kuwait	388	436	412	400	400	400
Libya	573	681	1,001	900	800	800
Mexico	47	108	186	175	175	175
Morocco	148	471	276	900	1,000	1,000
Peru	103	87	122	100	110	110
Saudi Arabia	10,200	8,500	8,200	10,700	10,000	10,500
Syria	300	100	100	100	200	200
Tunisia	762	456	483	650	700	700
Turkey	266	596	332	80	400	400
United Arab Emirates	541	468	394	400	400	400
Others	1,116	1,079	1,243	1,028	1,036	961
Subtotal	21,213	23,040	28,470	27,708	27,181	26,556
Unaccounted	518	264	1,197	1,152	804	729
United States	431	523	430	420	400	400
World Total	22,162	23,827	30,097	29,280	28,385	27,685

TY=Trade Year, see Endnotes.

World Barley Production, Consumption, and Stocks

Local Marketing Years, Thousand Metric Tons

	2012/13	2013/14	2014/15	2015/16	2016/17 Aua	2016/17 Sep
Production						
Algeria	1,500	1,500	1,300	1,300	1,000	1,000
Argentina	5,000	4,750	2,900	4,940	3,000	3,650
Australia	7,472	9,174	8,646	8,593	9,400	9,900
Belarus	1,917	1,674	1,988	2,000	2,100	2,100
Canada	8,012	10,237	7,119	8,225	8,500	8,700
China	1,626	1,700	1,810	1,800	2,000	2,000
Ethiopia	1,782	1,908	2,030	1,950	2,050	2,050
European Union	54,875	59,674	60,662	61,519	61,116	60,026
India	1,619	1,752	1,831	1,610	1,700	1,700
Iran	2,770	2,800	3,200	3,800	3,800	3,800
Iraq	500	944	1,000	1,050	1,100	1,100
Kazakhstan	1,500	2,539	2,412	2,675	3,000	2,700
Russia	13,952	15,389	20,026	17,083	19,000	18,500
Turkey	5,500	7,300	4,000	7,400	4,750	4,750
Ukraine	6,935	7,561	9,450	8,751	9,700	9,700
Others	9,055	10,667	9,522	11,387	8,890	8,929
Subtotal	124,015	139,569	137,896	144,083	141,106	140,605
United States	4,768	4,719	3,953	4,666	4,129	4,129
World Total	128,783	144,288	141,849	148,749	145,235	144,734
Total Consumption						
Algeria	2,000	2,050	2,050	2,150	2,050	2,050
Argentina	1,300	1,700	1,500	1,600	1,500	1,600
Australia	3,000	2,800	3,000	3,000	3,000	3,000
Belarus	2,000	1,800	2,000	2,000	2,100	2,100
Canada	6,811	7,718	6,471	6,956	6,965	6,965
China	4,000	6,300	11,600	8,200	8,100	7,100
Ethiopia	1,725	1,925	2,025	2,025	2,025	2,025
European Union	51,000	53,400	50,900	51,700	53,400	53,900
Iran	4,300	4,500	4,600	5,300	5,600	5,600
Kazakhstan	1,375	2,000	2,000	2,000	2,050	2,000
Morocco	1,900	2,300	2,700	3,450	2,700	2,700
Russia	12,100	12,700	14,100	13,600	14,000	14,000
Saudi Arabia	8,325	8,625	8,525	10,225	10,325	10,725
Turkey	6,200	6,950	5,350	6,900	5,500	5,500
Ukraine	5,100	5,000	4,700	4,700	4,900	4,900
Others	15,749	16,480	16,724	17,192	17,214	17,174
Subtotal	126,429	136,022	137,347	143,187	142,193	142,328
United States	4,638	4,775	4,235	4,314	4,419	4,419
World Total	131,067	140,797	141,582	147,501	146,612	146,747
Ending Stocks						
Algeria	1,217	1,178	1,304	1,354	1,204	1,204
Australia	536	693	1,120	1,213	1,413	1,413
Canada	983	1,950	1,217	1,443	1,667	1,653
European Union	5,044	5,621	5,924	5,246	5,359	5,172
Iran	1,418	618	1,418	1,618	1,418	1,418
Russia	726	904	1,533	836	1,016	986
Saudi Arabia	3,006	3,396	3,081	3,866	3,351	3,651
Others	5,695	7,715	6,825	7,574	6,143	5,822
Subtotal	18,625	22,075	22,422	23,150	21,571	21,319
United States	1,750	1,791	1,711	2,231	2,049	2,049
World Total	20,375	23,866	24,133	25,381	23,620	23,368

Regional Barley Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2012/13	2013/14	2014/15	2015/16	Aug 2016/17	Sep 2016/17
TY Imports						
North America	499	640	781	720	650	650
South America	1,064	886	1,169	1,170	955	980
European Union - 28	53	58	269	200	300	300
Other Europe	126	163	120	102	155	155
Former Soviet Union - 12	378	352	226	155	280	230
Middle East	13,906	12,537	12,480	14,765	14,355	14,755
North Africa	1,884	2,432	2,581	3,425	3,500	3,500
Sub-Saharan Africa	52	116	138	90	120	120
East Asia	3,668	6,320	11,080	7,425	7,225	6,225
South Asia	6	13	24	66	16	16
Oceania	8	46	32	10	25	25
Total	21,644	23,563	28,900	28,128	27,581	26,956
Production						
North America	13,812	15,550	11,918	13,643	13,364	13,564
South America	5,884	5,737	3,769	5,997	4,268	4,957
European Union - 28	54,875	59,674	60,662	61,519	61,116	60,026
Other Europe	1,188	1,151	1,223	1,287	1,307	1,307
Former Soviet Union - 12	25,958	29,162	35,565	32,338	35,700	34,900
Middle East	9,689	12,047	8,653	12,858	10,068	10,068
North Africa	3,307	4,748	4,010	5,394	2,508	2,508
Sub-Saharan Africa	2,283	2,376	2,523	2,482	2,575	2,575
East Asia	1,920	1,991	2,134	2,088	2,297	2,297
South Asia	1,956	2,261	2,340	2,113	2,232	2,232
Oceania	7,911	9,591	9,052	9,030	9,800	10,300
Total	128,783	144,288	141,849	148,749	145,235	144,734
Domestic Consumption						
North America	12,349	13,243	11,556	12,195	12,309	12,309
South America	3,152	3,528	3,398	3,828	3,653	3,813
European Union - 28	51,000	53,400	50,900	51,700	53,400	53,900
Other Europe	1,298	1,298	1,354	1,349	1,409	1,409
Former Soviet Union - 12	22,339	23,460	24,724	24,220	25,090	24,990
Middle East	22,435	24,410	22,277	26,186	25,216	25,566
North Africa	5,560	6,230	7,159	7,903	6,958	6,958
Sub-Saharan Africa	2,285	2,480	2,555	2,638	2,640	2,640
East Asia	5,812	8,009	13,192	9,780	9,660	8,660
South Asia	1,868	1,715	1,915	2,063	2,088	2,088
Oceania	3,425	3,250	3,450	3,450	3,425	3,425
Total	131,523	141,023	142,480	145,312	145,848	145,758
Ending Stocks						
North America	3,014	3,974	3,326	4,074	4,101	4,087
South America	657	816	716	1,105	774	1,079
European Union - 28	5,044	5,621	5,924	5,246	5,359	5,172
Other Europe	220	205	166	134	141	129
Former Soviet Union - 12	2,194	2,605	3,406	2,135	2,720	2,105
Middle East	5,736	5,788	5,515	7,067	5,913	6,199
North Africa	1,715	2,480	2,138	2,902	1,824	1,802
Sub-Saharan Africa	330	338	442	374	429	429
East Asia	736	1,038	1,060	793	655	655
South Asia	141	253	266	291	240	251
Oceania	588	748	1,174	1,260	1,464	1,460
Total	20,375	23,866	24,133	25,381	23,620	23,368

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

	2012/13	2013/14	2014/15	2015/16	2016/17 Aua	2016/17 Sep
TY Exports						
Argentina	3,059	953	954	900	800	800
Australia	1,430	410	1,700	1,000	900	900
Brazil	2	11	13	30	25	25
Ethiopia	75	75	75	25	25	25
India	231	88	121	50	50	50
Nigeria	50	50	100	50	100	100
Ukraine	124	229	156	130	50	50
Others	191	217	170	142	140	140
Subtotal	5,162	2,033	3,289	2,327	2,090	2,090
United States	2,136	5,714	9,269	8,350	6,300	6,300
World Total	7,298	7,747	12,558	10,677	8,390	8,390
TY Imports						
Chile	404	109	98	150	150	150
China	631	4,161	10,162	7,400	5,500	5,500
Colombia	591	104	0	65	50	50
Ethiopia	50	50	75	150	50	50
European Union	291	184	131	120	150	150
Japan	1,897	1,003	903	780	730	730
Kenya	102	94	119	75	100	100
Mexico	1,793	162	29	650	700	700
South Sudan	6	125	100	100	50	50
Sudan	175	75	100	300	100	100
Others	676	692	416	610	395	395
Subtotal	6,616	6,759	12,133	10,400	7,975	7,975
Unaccounted	439	985	398	167	390	390
United States	243	3	27	110	25	25
World Total	7,298	7,747	12,558	10,677	8,390	8,390

TY=Trade Year, see Endnotes.

World Sorghum Production, Consumption, and Stocks

Local Marketing Years, Thousand Metric Tons

	2012/13	2013/14	2014/15	2015/16	2016/17 Aua	2016/17 Sep
Production						
Argentina	4,700	4,400	3,500	3,375	3,400	3,400
Australia	2,230	1,282	2,209	2,037	2,200	2,200
Brazil	2,102	1,890	2,055	1,080	2,000	2,000
Burkina	1,924	1,880	1,708	1,671	1,800	1,800
Cameroon	1,100	1,150	1,150	1,150	1,150	1,150
Chad	1,172	745	900	817	900	900
China	2,556	2,892	2,885	3,000	3,200	3,200
Ethiopia	3,604	3,829	4,000	2,600	3,700	3,700
India	5,281	5,542	5,450	4,600	5,500	5,500
Mali	1,212	820	1,272	1,300	1,300	1,300
Mexico	6,174	8,500	6,270	5,550	6,900	6,500
Niger	1,376	1,320	1,426	1,300	1,300	1,300
Nigeria	5,943	6,592	6,700	6,150	6,500	6,500
South Sudan	650	680	990	900	900	900
Sudan	4,524	2,249	6,281	2,388	5,500	5,500
Others	6,768	7,206	7,242	6,754	6,987	6,987
Subtotal	51,316	50,977	54,038	44,672	53,237	52,837
United States	6,293	9,966	10,988	15,158	12,057	12,408
World Total	57,609	60,943	65,026	59,830	65,294	65,245
Total Consumption						
Argentina	2,300	2,700	2,800	2,800	2,950	2,950
Australia	1,080	905	505	1,105	1,205	1,205
Brazil	2,300	2,000	2,000	1,150	1,900	1,900
Burkina	1,850	1,900	1,700	1,700	1,800	1,800
Cameroon	1,110	1,165	1,175	1,175	1,175	1,175
Chad	1,150	850	900	850	900	900
China	3,200	6,800	12,900	10,500	8,800	8,800
Ethiopia	3,700	3,900	4,100	2,900	3,650	3,650
India	5,150	5,200	5,100	5,000	5,400	5,400
Mali	1,200	950	1,200	1,300	1,300	1,300
Mexico	8,100	8,300	6,600	6,200	7,500	7,200
Niger	1,200	1,300	1,450	1,400	1,300	1,300
Nigeria	5,900	6,550	6,650	6,050	6,400	6,400
South Sudan	650	750	1,050	1,000	1,000	1,000
Sudan	4,700	2,550	6,000	3,100	5,500	5,500
Others	10,252	8,689	8,745	8,272	8,181	8,181
Subtotal	52,647	55,569	62,740	54,766	59,626	59,326
United States	4,796	4,130	2,459	6,224	5,334	5,588
World Total	57,443	59,699	65,199	60,990	64,960	64,914
Ending Stocks						
Argentina	781	1,202	971	846	396	396
Australia	185	172	246	178	273	273
China	326	568	706	581	471	471
Mexico	285	647	338	338	488	338
Niger	225	270	271	196	221	221
Nigeria	208	200	150	200	200	200
Sudan	588	357	723	306	401	401
Others	1,804	1,751	1,985	1,160	1,381	1,341
Subtotal	4,402	5,167	5,390	3,805	3,831	3,641
United States	385	864	468	893	1,291	1,388
World Total	4,787	6,031	5,858	4,698	5,122	5,029

Regional Sorghum Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2012/13	2013/14	2014/15	2015/16	Aug 2016/17	Sep 2016/17
TY Imports						
North America	2,036	165	56	760	725	725
South America	1,071	240	114	260	240	240
European Union - 28	291	184	131	120	150	150
Other Europe	0	0	0	0	0	0
Middle East	194	232	23	40	15	15
North Africa	1	41	1	5	5	5
Sub-Saharan Africa	587	558	647	930	515	515
East Asia	2,650	5,281	11,142	8,250	6,285	6,285
Southeast Asia	18	46	14	15	15	15
Others	11	15	32	130	50	50
Total	6,859	6,762	12,160	10,510	8,000	8,000
Production						
North America	12,467	18,466	17,258	20,708	18,957	18,908
Central America	339	335	335	335	335	335
Caribbean	92	94	94	94	94	94
South America	7,495	7,081	6,404	5,297	6,277	6,277
European Union - 28	473	703	883	731	735	735
Middle East	814	789	691	535	635	635
North Africa	763	754	755	755	755	755
Sub-Saharan Africa	24,708	22,472	27,678	21,345	26,199	26,199
East Asia	2,560	2,895	2,887	3,002	3,202	3,202
South Asia	5,404	5,661	5,553	4,745	5,630	5,630
Southeast Asia	55	57	55	55	50	50
Oceania	2,230	1,282	2,209	2,037	2,200	2,200
Others	209	354	224	191	225	225
Total	57,609	60,943	65,026	59,830	65,294	65,245
Domestic Consumption						
North America	12,896	12,430	9,059	12,424	12,834	12,788
Central America	325	325	330	340	335	335
Caribbean	92	94	94	94	94	94
South America	6,076	5,757	5,785	4,952	5,907	5,907
European Union - 28	795	880	995	860	870	870
Middle East	1,052	894	865	590	645	645
North Africa	756	793	755	755	755	755
Sub-Saharan Africa	24,914	23,137	27,630	22,866	26,339	26,339
East Asia	5,221	7,951	13,911	11,325	9,590	9,590
South Asia	5,283	5,334	5,235	5,275	5,580	5,580
Southeast Asia	68	64	95	65	66	66
Oceania	1,080	905	505	1,105	1,205	1,205
Others	80	75	75	75	75	75
Total	58,638	58,639	65,334	60,726	64,295	64,249
Ending Stocks						
North America	670	1,511	806	1,231	1,779	1,726
Central America	30	33	38	28	23	23
South America	1,146	1,468	1,238	1,023	703	663
European Union - 28	5	18	23	9	19	19
Middle East	65	47	39	24	29	29
North Africa	66	68	69	74	79	79
Sub-Saharan Africa	2,073	1,647	2,001	1,295	1,450	1,450
East Asia	413	627	736	638	525	525
South Asia	109	364	593	143	193	193
Oceania	185	172	246	178	273	273
Others	25	76	69	55	49	49
Total	4,787	6,031	5,858	4,698	5,122	5,029

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

	2012/13	2013/14	2014/15	2015/16	2016/17 Aug	2016/17 Sep
TY Exports						
Argentina	2	2	2	5	5	5
Australia	240	270	270	250	300	300
Canada	1,351	1,732	1,729	1,600	1,700	1,500
Chile	41	49	84	75	75	75
European Union	126	291	231	230	200	200
Russia	4	6	14	20	10	10
Ukraine	2	6	46	70	70	70
Others	10	14	8	10	10	10
Subtotal	1,776	2,370	2,384	2,260	2,370	2,170
United States	18	29	29	25	30	30
World Total	1,794	2,399	2,413	2,285	2,400	2,200
TY Imports						
Albania	0	0	3	5	5	5
Algeria	7	12	24	30	25	25
Bosnia and Herzegovina	2	3	4	5	5	5
Canada	9	27	12	10	15	15
China	87	116	162	160	200	200
Colombia	1	2	2	5	5	5
Ecuador	19	21	21	20	20	20
European Union	4	3	4	10	5	5
Japan	51	46	47	50	50	50
Mexico	108	93	86	100	100	100
Norway	36	38	2	10	10	10
Serbia	2	2	2	5	5	5
South Africa	11	19	46	50	50	50
Switzerland	44	51	49	50	50	50
Turkey	0	0	4	5	5	5
Others	6	8	8	5	5	5
Subtotal	387	441	476	520	555	555
Unaccounted	52	92	170	265	245	145
United States	1,355	1,866	1,767	1,500	1,600	1,500
World Total	1,794	2,399	2,413	2,285	2,400	2,200

TY=Trade Year, see Endnotes.

World Oats Production, Consumption, and Stocks

Local Marketing Years, Thousand Metric Tons

	2012/13	2013/14	2014/15	2015/16	2016/17 Aua	2016/17 Sep
Production						
Algeria	110	110	110	110	110	110
Argentina	496	445	525	553	500	500
Australia	1,121	1,255	1,198	1,308	1,600	1,600
Belarus	422	352	522	400	400	400
Brazil	361	380	351	740	650	650
Canada	2,830	3,906	2,979	3,430	3,300	3,020
Chile	680	610	421	533	475	600
China	600	580	600	600	600	600
European Union	7,909	8,380	7,833	7,498	8,119	8,019
Kazakhstan	200	305	226	244	275	275
Mexico	84	91	93	87	90	90
Norway	232	214	236	236	240	240
Russia	4,027	4,932	5,267	4,527	4,700	4,700
Turkey	210	210	210	210	210	210
Ukraine	630	467	610	498	550	550
Others	315	318	296	329	334	334
Subtotal	20,227	22,555	21,477	21,303	22,153	21,898
United States	892	938	1,019	1,300	1,116	1,116
World Total	21,119	23,493	22,496	22,603	23,269	23,014
Total Consumption						
Algeria	119	118	126	140	135	135
Argentina	500	425	525	550	500	500
Australia	925	950	950	1,000	1,250	1,250
Belarus	400	375	500	400	400	400
Brazil	350	375	345	725	640	640
Canada	1,592	1,660	1,681	1,616	1,650	1,650
Chile	600	570	355	425	400	525
China	675	700	750	785	850	850
European Union	7,700	8,075	7,730	7,480	7,800	7,800
Kazakhstan	225	275	225	245	270	270
Mexico	195	185	175	190	190	190
Norway	295	245	245	245	255	255
Russia	4,300	4,900	5,200	4,600	4,600	4,600
Turkey	215	215	215	215	215	215
Ukraine	600	475	600	430	450	450
Others	451	491	471	521	529	529
Subtotal	19,217	20,254	20,090	19,811	20,341	20,352
United States	2,743	2,757	2,447	2,701	2,698	2,684
World Total	21,960	23,011	22,537	22,512	23,039	23,036
Ending Stocks						
Australia	60	105	93	151	201	201
Canada	446	1,054	673	930	836	815
Chile	61	45	27	60	47	60
China	139	135	147	122	72	72
European Union	901	894	782	596	699	620
Russia	203	230	289	197	286	287
Ukraine	81	67	38	36	66	66
Others	190	201	220	223	215	218
Subtotal	2,081	2,731	2,269	2,315	2,422	2,339
United States	527	359	780	825	851	779
World Total	2,608	3,090	3,049	3,140	3,273	3,118

Regional Oats Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2012/13	2013/14	2014/15	2015/16	Aug 2016/17	Sep 2016/17
TY Imports						
North America	1,472	1,986	1,865	1,610	1,715	1,615
South America	26	29	30	30	30	30
European Union - 28	4	3	4	10	5	5
Other Europe	84	94	60	75	75	75
Former Soviet Union - 12	0	2	1	0	0	0
Middle East	0	0	4	5	5	5
North Africa	7	12	24	30	25	25
Sub-Saharan Africa	11	19	46	50	50	50
East Asia	138	162	209	210	250	250
Oceania	0	0	0	0	0	0
Total	1,742	2,307	2,243	2,020	2,155	2,055
Production						
North America	3,806	4,935	4,091	4,817	4,506	4,226
South America	1,577	1,478	1,325	1,867	1,667	1,792
European Union - 28	7,909	8,380	7,833	7,498	8,119	8,019
Other Europe	365	348	369	372	375	375
Former Soviet Union - 12	5,285	6,062	6,631	5,675	5,931	5,931
Middle East	210	210	210	210	210	210
North Africa	166	156	147	166	175	175
Sub-Saharan Africa	60	59	55	55	55	55
East Asia	602	582	602	601	601	601
Oceania	1,139	1,283	1,233	1,342	1,630	1,630
Total	21,119	23,493	22,496	22,603	23,269	23,014
Domestic Consumption						
North America	4,530	4,602	4,303	4,507	4,538	4,524
South America	1,515	1,447	1,285	1,768	1,612	1,737
European Union - 28	7,700	8,075	7,730	7,480	7,800	7,800
Other Europe	474	434	434	447	456	456
Former Soviet Union - 12	5,531	6,031	6,531	5,681	5,726	5,726
Middle East	215	215	215	215	215	215
North Africa	175	164	163	196	200	200
Sub-Saharan Africa	72	95	94	105	105	105
East Asia	730	750	800	835	900	900
Oceania	943	978	985	1,034	1,280	1,280
Total	21,885	22,791	22,540	22,268	22,832	22,943
Ending Stocks						
North America	974	1,417	1,459	1,761	1,690	1,600
South America	128	129	106	147	134	147
European Union - 28	901	894	782	596	699	620
Other Europe	27	41	38	38	32	32
Former Soviet Union - 12	332	346	397	297	416	417
Middle East	13	8	6	6	6	6
North Africa	1	1	1	1	1	1
Sub-Saharan Africa	28	11	18	18	18	18
East Asia	144	138	149	125	76	76
Oceania	60	105	93	151	201	201
Total	2,608	3,090	3,049	3,140	3,273	3,118

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

	2012/13	2013/14	2014/15	2015/16	2016/17 Aug	2016/17 Sep
TY Exports						
Belarus	25	5	5	5	5	5
Canada	178	97	89	100	150	150
European Union	122	201	167	160	150	150
Russia	79	83	121	40	50	50
Ukraine	16	59	13	20	10	10
Others	1	1	1	0	0	0
Subtotal	421	446	396	325	365	365
United States	7	6	3	5	5	5
World Total	428	452	399	330	370	370
TY Imports						
European Union	68	96	96	50	75	75
Israel	34	33	18	15	25	25
Japan	27	37	22	15	20	20
Korea, South	12	8	4	10	10	10
Norway	21	16	5	15	20	20
Russia	25	5	5	5	5	5
Switzerland	9	6	6	5	5	5
Others	4	1	6	0	0	0
Subtotal	200	202	162	115	160	160
Unaccounted	7	46	-25	15	10	10
United States	221	204	262	200	200	200
World Total	428	452	399	330	370	370

TY=Trade Year, see Endnotes.

World Rye Production, Consumption, and Stocks

Local Marketing Years, Thousand Metric Tons

	2012/13	2013/14	2014/15	2015/16	2016/17 Aug	2016/17 Sep
Production						
Argentina	40	52	97	61	75	75
Belarus	1,082	648	867	800	800	800
Canada	337	223	218	225	325	380
European Union	8,763	10,151	8,873	7,831	8,549	8,349
Russia	2,132	3,360	3,279	2,084	2,300	2,300
Turkey	370	365	300	350	350	350
Ukraine	676	638	475	394	375	375
Others	146	126	144	125	138	133
Subtotal	13,546	15,563	14,253	11,870	12,912	12,762
United States	166	194	183	292	311	311
World Total	13,712	15,757	14,436	12,162	13,223	13,073
Total Consumption						
Argentina	40	52	97	61	75	75
Australia	40	19	19	22	25	25
Belarus	1,000	650	850	800	850	850
Canada	127	107	134	118	140	150
European Union	8,700	9,650	8,600	8,100	8,500	8,600
Kazakhstan	50	40	65	37	50	45
Norway	26	28	20	27	32	32
Russia	2,000	3,100	3,250	2,175	2,250	2,250
Turkey	375	350	325	350	350	350
Ukraine	625	625	475	400	350	350
Others	132	140	102	100	112	112
Subtotal	13,146	14,766	13,947	12,189	12,715	12,820
United States	387	424	406	512	525	525
World Total	13,533	15,190	14,353	12,701	13,240	13,345
Ending Stocks						
Belarus	167	160	172	167	112	112
Canada	46	44	42	51	79	131
European Union	795	1,204	1,395	1,016	1,010	690
Kazakhstan	3	8	4	4	4	4
Russia	153	344	264	130	133	135
Turkey	18	33	14	14	14	14
Ukraine	166	128	106	80	95	95
Others	7	4	3	2	1	1
Subtotal	1,355	1,925	2,000	1,464	1,448	1,182
United States	10	7	15	12	22	22
World Total	1,365	1,932	2,015	1,476	1,470	1,204

Regional Rye Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2012/13	2013/14	2014/15	2015/16	Aug 2016/17	Sep 2016/17
TY Imports						
North America	221	204	262	200	200	200
South America	0	0	0	0	0	0
European Union - 28	68	96	96	50	75	75
Other Europe	32	23	11	20	25	25
Former Soviet Union - 12	27	5	5	5	5	5
Middle East	34	33	24	15	25	25
Sub-Saharan Africa	0	0	0	0	0	0
East Asia	39	45	26	25	30	30
Oceania	0	0	0	0	0	0
Total	421	406	424	315	360	360
Production						
North America	503	417	401	517	636	691
South America	47	59	105	73	83	83
European Union - 28	8,763	10,151	8,873	7,831	8,549	8,349
Other Europe	46	53	52	51	52	52
Former Soviet Union - 12	3,940	4,689	4,682	3,315	3,525	3,520
Middle East	370	365	300	350	350	350
Sub-Saharan Africa	3	3	3	3	3	3
East Asia	0	0	0	0	0	0
Oceania	40	20	20	22	25	25
Total	13,712	15,757	14,436	12,162	13,223	13,073
Domestic Consumption						
North America	514	531	540	630	665	675
South America	47	59	105	73	83	83
European Union - 28	8,700	9,650	8,600	8,100	8,500	8,600
Other Europe	78	77	66	71	77	77
Former Soviet Union - 12	3,675	4,415	4,640	3,412	3,500	3,495
Middle East	409	383	343	365	375	375
Sub-Saharan Africa	2	3	3	3	3	3
East Asia	37	48	27	26	31	31
Oceania	40	19	19	22	25	25
Total	13,502	15,185	14,343	12,702	13,259	13,364
Ending Stocks						
North America	56	51	57	63	101	153
South America	0	0	0	0	0	0
European Union - 28	795	1,204	1,395	1,016	1,010	690
Other Europe	0	0	0	0	0	0
Former Soviet Union - 12	489	640	546	381	344	346
Middle East	18	33	14	14	14	14
Sub-Saharan Africa	0	0	0	0	0	0
East Asia	7	4	3	2	1	1
Oceania	0	0	0	0	0	0
Total	1,365	1,932	2,015	1,476	1,470	1,204

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

CONTENTS

European Union: Grain Supply and Demand	38
China: Grain Supply and Demand	39
Other Europe: Grain Supply and Demand	40
Former Soviet Union: Grain Supply and Demand.....	41
Wheat Supply and Disappearance: Selected Exporters	45
Corn Supply and Disappearance: Selected Exporters.....	47
Barley Supply and Disappearance: Selected Exporters	49
Sorghum Supply and Disappearance: Selected Exporters	50
U.S. Grains: Supply and Distribution.....	51
Total Wheat and Coarse Grains: Supply and Demand	52
World Wheat and Coarse Grains: Supply and Demand	53
World Corn and Barley: Supply and Demand	54
World Rice: Supply and Demand	55

European Union: Grain Supply and Demand

Wheat and Coarse Grains Millions of Metric Tons/Hectares

	Area Harvested	Yield	Production	Imports	Exports	Feed Dom.	Domestic Consumpti	Ending Stocks
Wheat								
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	156.9	6.0	35.4	55.0	124.7	12.7
2015/16	26.8	6.0	160.0	6.9	34.7	60.0	129.9	15.1
2016/17	26.9	5.4	145.3	7.0	26.0	59.0	129.3	12.0
Coarse Grains								
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	5.6	170.9	9.0	14.0	121.4	162.6	18.8
2015/16	30.3	5.0	152.4	13.7	13.0	116.3	157.0	15.0
2016/17	30.2	5.1	154.4	12.5	8.9	119.6	160.5	12.5
Wheat and Coarse Grains								
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	327.8	14.9	49.4	176.4	287.3	31.6
2015/16	57.1	5.5	312.4	20.6	47.6	176.3	286.9	30.0
2016/17	57.2	5.2	299.7	19.5	34.9	178.6	289.8	24.5

China: 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
Wheat								
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	3.5	0.7	10.5	112.0	97.0
2016/17	24.3	5.3	128.0	3.5	0.8	15.0	117.0	110.7
Coarse Grains								
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	16.9	0.0	166.7	238.8	111.9
2016/17	38.1	5.9	223.7	13.7	0.0	169.5	244.7	104.6
Wheat and Coarse Grains								
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	20.4	0.8	177.2	350.8	208.9
2016/17	62.4	5.6	351.7	17.2	0.8	184.5	361.7	215.3

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
Wheat								
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	4.5	4.1	1.9	1.3	1.1	4.8	0.9
2014/15	1.0	4.0	3.9	1.8	0.7	1.1	4.9	1.1
2015/16	0.9	4.5	4.1	1.8	1.0	1.2	4.9	1.1
2016/17	1.0	4.7	4.6	1.8	1.4	1.4	5.1	1.0
Coarse Grains								
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	0.8	1.7	6.9	8.2	0.9
2016/17	1.9	5.4	10.0	0.9	2.3	6.9	8.3	1.3
Wheat and Coarse Grains								
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	4.5	12.9	2.7	3.1	7.4	12.5	1.7
2014/15	2.8	5.1	14.6	2.5	3.7	7.8	12.9	2.2
2015/16	2.7	4.8	13.0	2.6	2.6	8.0	13.1	2.1
2016/17	2.8	5.1	14.6	2.7	3.6	8.3	13.4	2.3

Former Soviet 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
Wheat								
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	25.5	21.6	71.7	14.2
2013/14	47.7	2.2	103.9	7.5	37.3	22.7	72.8	15.6
2014/15	46.7	2.4	112.7	7.7	40.2	24.7	75.9	20.0
2015/16	49.0	2.4	117.7	7.3	51.5	25.7	77.9	15.6
2016/17	49.8	2.6	131.4	7.5	54.1	27.6	80.1	20.4
Coarse Grains								
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	82.8	0.6	30.8	40.2	55.2	4.7
2016/17	28.0	3.2	89.4	0.7	32.4	41.9	57.3	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
Former Soviet Union - 12								
Kazakhstan								
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	7.6	2.1	6.9	2.6
2016/17	12.0	1.4	16.5	0.1	8.5	2.2	7.0	3.6
Russia								
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	25.5	14.0	37.0	5.6
2016/17	26.6	2.7	72.0	0.5	30.0	15.5	38.5	9.6
Ukraine								
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	0.0	17.4	4.5	12.5	2.5
2016/17	6.5	4.2	27.0	0.1	15.0	4.5	12.5	2.1
Uzbekistan								
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	2.7	0.2	2.3	9.4	2.5
2016/17	1.4	5.1	7.2	2.7	0.2	2.4	9.7	2.5
Other Former Soviet Union - 12								
2013/14	3.4	2.6	8.8	4.3	0.5	2.9	12.0	2.9
2014/15	3.4	2.6	8.8	4.5	0.4	3.5	12.7	3.1
2015/16	3.4	2.5	8.5	3.8	0.7	2.9	12.2	2.5
2016/17	3.3	2.6	8.7	4.2	0.4	3.0	12.4	2.6
Total Former Soviet Union - 12								
2013/14	47.7	2.2	103.9	7.5	37.3	22.7	72.8	15.6
2014/15	46.7	2.4	112.7	7.7	40.2	24.7	75.9	20.0
2015/16	49.0	2.4	117.7	7.3	51.5	25.7	77.9	15.6
2016/17	49.8	2.6	131.4	7.5	54.1	27.6	80.1	20.4

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
Former Soviet Union - 12								
Kazakhstan								
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	1.9	1.5	2.7	0.0	0.7	1.7	2.0	0.1
Russia								
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	4.2	8.9	13.6	0.8
2016/17	8.0	2.3	18.5	0.1	4.4	9.2	14.0	1.0
Ukraine								
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	4.4	3.2	4.7	0.9
2016/17	3.1	3.2	9.7	0.0	5.0	3.4	4.9	0.7
Uzbekistan								
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	0.0	0.0	0.2	0.3	0.0
2016/17	0.1	3.2	0.2	0.1	0.0	0.3	0.3	0.0
Other Former Soviet Union - 12								
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	1.3	2.7	3.6	0.1	0.1	2.8	3.6	0.3
2016/17	1.4	2.7	3.8	0.1	0.1	2.9	3.8	0.3
Total Former Soviet Union - 12								
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	32.3	0.2	9.6	16.8	24.2	2.1
2016/17	14.4	2.4	34.9	0.2	10.2	17.5	25.0	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
Former Soviet Union - 12								
Kazakhstan								
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	0.0	0.6	0.7	0.2
2016/17	0.1	5.4	0.7	0.0	0.1	0.6	0.7	0.1
Russia								
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	4.4	8.0	8.9	0.3
2016/17	2.8	5.0	14.0	0.1	4.5	8.6	9.5	0.3
Ukraine								
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	16.4	6.7	8.0	0.8
2016/17	4.3	6.1	26.0	0.1	17.0	7.3	8.7	1.2
Uzbekistan								
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
Other Former Soviet Union - 12								
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	3.2	3.1	0.3	0.1	3.0	3.3	0.6
2016/17	0.9	3.7	3.2	0.3	0.3	2.9	3.2	0.6
Total Former Soviet Union - 12								
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	7.9	5.1	40.4	0.4	21.0	18.4	21.0	1.9
2016/17	8.1	5.4	44.1	0.4	21.9	19.5	22.3	2.2

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
Wheat Competitors								
Argentina								
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	13.9	0.0	5.3	0.3	6.4	4.8
2015/16	3.9	2.9	11.3	0.0	9.1	0.1	6.2	0.9
2016/17	4.8	3.0	14.4	0.0	8.0	0.1	6.3	1.0
Australia								
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	12.4	1.9	23.9	0.2	16.6	3.8	7.2	4.8
2015/16	12.8	1.9	24.5	0.2	16.0	3.8	7.2	6.3
2016/17	12.8	2.1	27.5	0.2	19.5	4.0	7.5	7.0
Canada								
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	3.8	9.1	7.1
2015/16	9.6	2.9	27.6	0.5	22.1	2.6	7.8	5.2
2016/17	9.3	3.3	30.5	0.5	21.5	3.8	9.0	5.7
European Union								
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	156.9	6.0	35.4	55.0	124.7	12.7
2015/16	26.8	6.0	160.0	6.9	34.7	60.0	129.9	15.1
2016/17	26.9	5.4	145.3	7.0	26.0	59.0	129.3	12.0
Kazakhstan								
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	7.6	2.1	6.9	2.6
2016/17	12.0	1.4	16.5	0.1	8.5	2.2	7.0	3.6
Russia								
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	25.5	14.0	37.0	5.6
2016/17	26.6	2.7	72.0	0.5	30.0	15.5	38.5	9.6

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	0.0	17.4	4.5	12.5	2.5
2016/17	6.5	4.2	27.0	0.1	15.0	4.5	12.5	2.1
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	95.4	3.4	321.0	7.6	121.1	81.9	201.6	44.1
2015/16	97.4	3.3	325.5	8.4	132.5	87.1	207.5	38.0
2016/17	98.9	3.4	333.2	8.3	128.5	89.1	210.1	40.9

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
Argentina								
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	3.5	8.0	28.0	0.0	19.5	6.0	9.3	1.1
2016/17	4.5	8.1	36.5	0.0	24.0	6.8	10.6	3.0
Brazil								
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	4.2	67.0	2.5	16.0	47.5	56.0	5.3
2016/17	16.3	5.1	82.5	0.6	24.5	49.0	58.0	5.9
China								
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	3.2	0.0	153.5	217.5	110.7
2016/17	36.0	6.0	216.0	3.0	0.0	159.0	226.0	103.7
South Africa								
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	6.2	11.7	2.4
2015/16	2.2	3.2	7.0	3.5	0.7	5.7	11.0	1.2
2016/17	3.2	4.1	13.0	0.5	1.5	5.6	11.3	1.9
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	200.2	280.0	112.6
2015/16	59.8	5.5	326.6	9.2	36.2	212.7	293.8	118.3
2016/17	60.0	5.8	348.0	4.1	50.0	220.4	305.9	114.5

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
Australia								
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	4.1	2.1	8.6	0.0	5.2	1.7	3.0	1.1
2015/16	4.1	2.1	8.6	0.0	5.5	1.7	3.0	1.2
2016/17	4.1	2.4	9.9	0.0	6.7	1.7	3.0	1.4
Canada								
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	0.2	1.2	5.7	7.0	1.4
2016/17	2.4	3.7	8.7	0.1	1.6	5.7	7.0	1.7
European Union								
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	60.7	0.1	9.5	35.5	50.9	5.9
2015/16	12.2	5.0	61.5	0.3	10.8	36.3	51.7	5.2
2016/17	12.4	4.8	60.0	0.3	6.5	38.5	53.9	5.2

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
Argentina								
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	4.5	3.4	0.0	0.7	2.4	2.8	0.8
2016/17	0.8	4.5	3.4	0.0	0.9	2.6	3.0	0.4
Australia								
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	3.0	2.2	0.0	1.6	0.5	0.5	0.2
2015/16	0.7	3.0	2.0	0.0	1.0	1.1	1.1	0.2
2016/17	0.7	3.1	2.2	0.0	0.9	1.2	1.2	0.3

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
Wheat											
2014/15	18,771	3	nr	55,147	4,117	3,964	23,518	22,999	3,107	31,334	20,477
2015/16	19,058	3	nr	55,840	3,073	3,056	21,094	21,856	3,673	31,589	26,707
2016/17	17,844	4	nr	63,156	3,130	3,100	25,855	25,500	8,981	37,204	29,934
Corn											
2014/15	33,644	11	nr	361,091	804	809	47,421	46,831	134,982	301,792	43,974
2015/16	32,678	11	nr	345,486	1,651	1,650	48,643	49,500	132,086	298,887	43,581
2016/17	35,026	11	nr	383,378	1,270	1,250	55,248	55,000	143,517	312,434	60,547
Sorghum											
2014/15	2,590	4	nr	10,988	10	27	8,935	9,269	2,078	2,459	468
2015/16	3,177	5	nr	15,158	127	110	8,636	8,350	2,540	6,224	893
2016/17	2,613	5	nr	12,408	25	25	6,350	6,300	2,413	5,588	1,388
Barley											
2014/15	1,011	4	nr	3,953	513	430	311	291	936	4,235	1,711
2015/16	1,258	4	nr	4,666	403	420	235	275	992	4,314	2,231
2016/17	1,043	4	nr	4,129	435	400	327	300	1,089	4,419	2,049
Oats											
2014/15	419	2	nr	1,019	1,876	1,767	27	29	1,330	2,447	780
2015/16	516	3	nr	1,300	1,475	1,500	29	25	1,582	2,701	825
2016/17	471	2	nr	1,116	1,551	1,500	29	30	1,551	2,684	779
Rye											
2014/15	104	2	nr	183	237	262	6	3	164	406	15
2015/16	146	2	nr	292	222	200	5	5	267	512	12
2016/17	179	2	nr	311	230	200	6	5	277	525	22
Rice, Milled											
2014/15	1,187	8	10,079	7,106	783	758	3,061	3,355	nr	4,301	1,552
2015/16	1,042	8	8,724	6,107	766	765	3,421	3,450	nr	3,529	1,475
2016/17	1,268	8	10,757	7,530	746	775	3,651	3,650	nr	4,223	1,877

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 Consumpti	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	685.6	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	690.4	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	713.6	1,495.7	403.2
2002/03	504.7	2.9	1,445.0	209.2	711.6	1,506.4	341.8
2003/04	511.2	2.9	1,473.0	205.8	717.9	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	758.1	1,617.3	318.5
2006/07	519.1	3.1	1,584.9	229.9	749.6	1,630.5	273.0
2007/08	534.5	3.2	1,691.9	244.7	764.2	1,675.6	289.2
2008/09	539.5	3.3	1,792.0	253.6	773.8	1,721.8	359.5
2009/10	533.6	3.4	1,804.1	254.1	782.2	1,767.6	395.9
2010/11	523.5	3.3	1,747.8	250.1	773.6	1,784.0	359.7
2011/12	537.8	3.4	1,853.4	287.1	807.8	1,853.3	359.8
2012/13	532.1	3.4	1,794.7	279.5	807.6	1,813.7	340.8
2013/14	540.5	3.7	1,995.0	327.4	861.3	1,930.3	405.5
2014/15	546.1	3.7	2,033.2	335.3	884.4	1,977.7	460.9
2015/16	545.6	3.6	1,982.4	353.5	898.9	1,957.3	485.9
2016/17	545.1	3.8	2,064.6	346.2	937.6	2,048.1	502.4

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
Wheat							
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	216.9	2.8	611.7	116.0	104.6	617.3	128.0
2008/09	224.1	3.1	683.7	143.2	124.0	642.8	168.9
2009/10	225.6	3.0	687.0	135.3	122.3	653.0	202.9
2010/11	216.9	3.0	649.3	134.1	116.8	653.9	198.4
2011/12	220.9	3.2	696.9	153.7	148.7	697.7	197.6
2012/13	215.8	3.1	658.3	147.3	138.2	679.1	176.8
2013/14	219.6	3.3	715.0	162.5	126.6	697.9	193.8
2014/15	221.5	3.3	727.9	161.8	131.7	705.9	215.8
2015/16	224.9	3.3	734.8	172.0	135.7	709.7	240.9
2016/17	222.2	3.4	744.8	171.8	148.0	736.7	249.1
Coarse Grains							
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	573.2	869.0	203.5
1997/98	308.8	2.9	880.4	85.8	579.4	866.7	217.1
1998/99	301.0	3.0	890.8	96.7	575.9	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	589.2	885.1	212.3
2001/02	297.2	3.0	896.3	100.4	601.5	909.0	199.5
2002/03	290.9	3.0	875.3	102.7	595.5	902.5	172.3
2003/04	303.3	3.0	917.7	102.3	616.2	946.8	143.1
2004/05	299.0	3.4	1,016.2	101.2	645.4	980.0	179.4
2005/06	300.0	3.3	981.3	108.4	640.4	995.6	165.1
2006/07	306.8	3.2	988.2	114.5	636.5	1,013.9	139.4
2007/08	317.6	3.4	1,080.2	128.7	659.6	1,058.3	161.2
2008/09	315.4	3.5	1,108.3	110.4	649.7	1,079.0	190.6
2009/10	308.0	3.6	1,117.0	118.8	659.9	1,114.7	193.0
2010/11	306.6	3.6	1,098.5	116.0	656.8	1,130.1	161.4
2011/12	316.9	3.6	1,156.5	133.4	659.1	1,155.6	162.3
2012/13	316.3	3.6	1,136.4	132.2	669.3	1,134.7	164.0
2013/14	320.9	4.0	1,280.1	164.9	734.7	1,232.5	211.7
2014/15	324.6	4.0	1,305.3	173.5	752.7	1,271.8	245.1
2015/16	320.8	3.9	1,247.6	181.5	763.2	1,247.6	245.0
2016/17	323.0	4.1	1,319.7	174.3	789.6	1,311.5	253.3

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	Productio n	TY Exports	Feed Dom.	Domestic Consumpti	Ending Stocks
Corn							
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	365.2	536.8	133.3
1996/97	141.5	4.2	592.9	66.6	387.8	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	427.3	610.8	175.3
2001/02	137.1	4.4	601.8	72.7	436.3	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	445.7	649.9	104.6
2004/05	145.4	4.9	717.1	76.0	475.9	690.6	131.1
2005/06	145.4	4.8	700.9	82.5	479.5	708.5	123.5
2006/07	150.5	4.8	716.6	91.3	480.3	731.3	108.8
2007/08	160.3	5.0	795.7	98.2	501.3	776.7	127.9
2008/09	158.8	5.0	800.1	83.6	481.9	784.4	143.5
2009/10	158.4	5.2	825.2	92.7	492.7	827.8	140.9
2010/11	164.6	5.1	835.9	91.7	503.5	853.2	123.6
2011/12	172.1	5.2	889.8	103.7	508.5	885.0	128.3
2012/13	177.6	4.9	869.7	100.5	518.9	864.8	133.3
2013/14	180.3	5.5	990.8	130.4	571.9	948.8	175.3
2014/15	179.9	5.6	1,013.6	128.0	585.6	980.6	208.3
2015/16	177.4	5.4	959.0	139.0	598.6	958.1	209.2
2016/17	180.1	5.7	1,026.6	135.7	622.7	1,016.4	219.5
Barley							
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	49.8	2.9	141.8	30.1	97.3	141.6	24.1
2015/16	50.2	3.0	148.7	29.3	99.8	147.5	25.4
2016/17	49.1	2.9	144.7	27.7	100.2	146.7	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	388.6	134.0
1999/00	155.9	3.9	608.8	409.3	22.8	400.2	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	563.0	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	80.8
2008/09	158.2	4.2	668.7	449.3	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	478.5	113.8
2014/15	161.0	4.4	713.7	478.7	42.6	478.1	114.4
2015/16	158.9	4.4	703.2	471.7	41.3	473.4	112.7
2016/17	161.6	4.4	718.2	481.7	40.9	478.8	115.6

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

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.

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:

Wheat	Corn	Barley	Sorghum
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.

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

The Global Commodity Analysis Division, Office of Global Analysis, Foreign Agricultural Service, USDA, Washington, DC 20250, prepared this circular. Information is gathered from official statistics of foreign governments and other foreign source materials, reports of U.S. agricultural attachés and Foreign Service officers, office research, and related information. Further information may be obtained by writing the Division or telephoning (202) 720-3448.

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

Questions may be directed to the following staff:

Teresa McKeivier	(202) 690-1151	Teresa.McKeivier@fas.usda.gov	Wheat
Daniel Archibald	(202) 720-9432	Dan.Archibald@fas.usda.gov	Wheat
Rachel Trego	(202) 720-1073	Rachel.Trego@fas.usda.gov	Rice
Rhiannon Elms	(202) 649-3872	Rhiannon.Elms@fas.usda.gov	Rice
Yoonhee Macke	(202) 690-4199	Yoonhee.Macke@fas.usda.gov	Coarse Grains
Andrew Sowell	(202) 720-0262	Andrew.Sowell@fas.usda.gov	Coarse Grains
Megan Davidow	(202) 720-9438	Megan.Davidow@fas.usda.gov	Coarse Grains