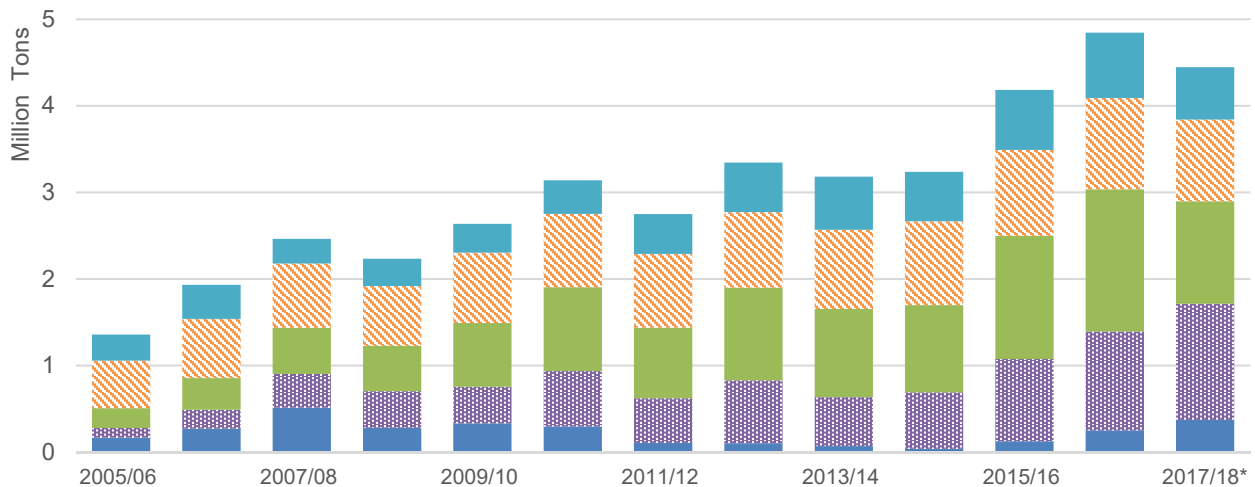


Grain: World Markets and Trade

December 2018

China's Exports of Corn-based Products Rise

Corn-based Product Exports
(Oct-Sep; unconverted product weight)



* 2017/18 China's trade data (in Chinese) do not list exports of corn-based products. Thus, importers' data are used in lieu of China's exports.

■ Corn Starch ■ Residue of starch ■ Sweeteners ■ Citric acid ■ Lysine & Glutamic acid

China and the United States have been top exporters of corn-based products¹. In 2017/18 China's exports of these products have grown nearing 5 million tons, roughly equivalent to 10-15 million tons of unprocessed grain corn. South Korea, Indonesia, the Philippines, Malaysia, and the European Union have been top destinations for these products. While China is not competitive on corn exports due to higher domestic prices relative to world levels, it appears that the country is competitive in the corn-based product market.

China already has ample wet milling (so-called "deep processing") capacity established years ago when the government singled out corn processing as a key industry and stressed developments of value-added supply chains. Similarly, there have been support programs that include subsidies for purchasing corn aimed at industrial processors and support in the form of refunds of value-added tax for exports of corn-based products. Moreover, because of limited competition in global trade of corn-based products, China benefits from proximity to its key markets.

For the United States, corn-based products are exported mainly to Canada, Mexico, and other countries in the Western Hemisphere.

1. Lysine and glutamic acid includes HS 292241 and 292242; Citric acid are HS 291814 and 291815; Sweeteners include HS170230, 170260, and 170290; Residue of starch is HS 230310; and Corn starch is HS 110812.

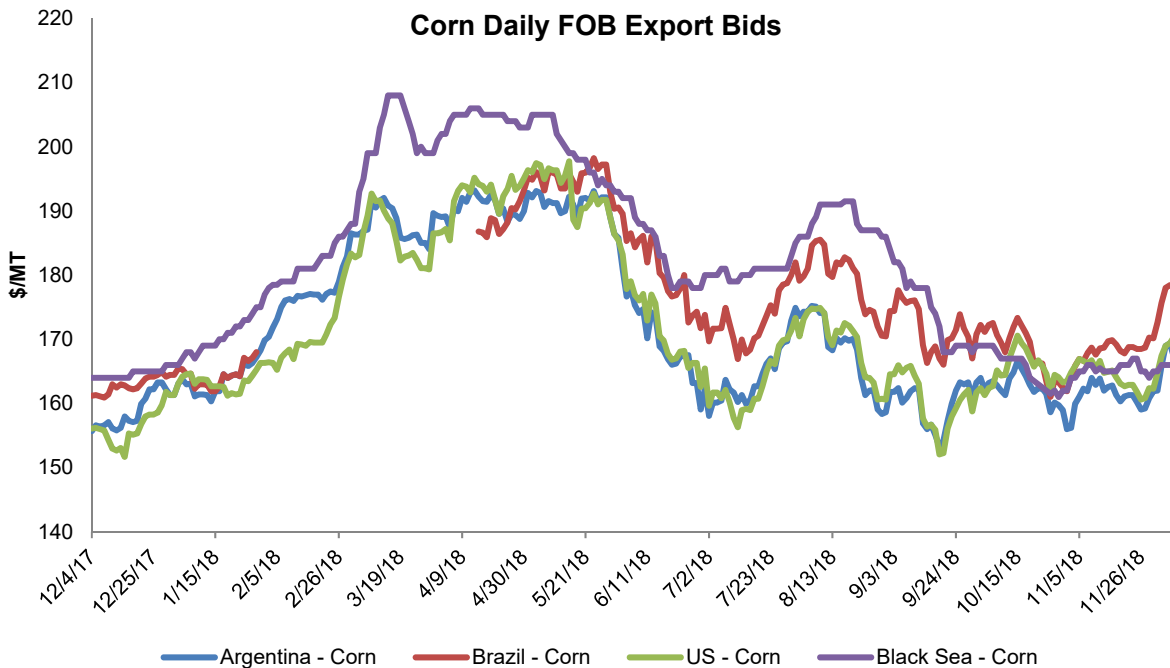
COARSE GRAINS

OVERVIEW FOR 2018/19

Global corn production is up marginally this month as larger crops for the European Union and Ukraine more than offset reductions for Canada and South Africa. Global trade is larger, driven by greater imports for Canada, Colombia, Japan, and Vietnam. Exports are higher for Brazil and Ukraine. The U.S. season-average farm price is unchanged at \$3.60 per bushel.

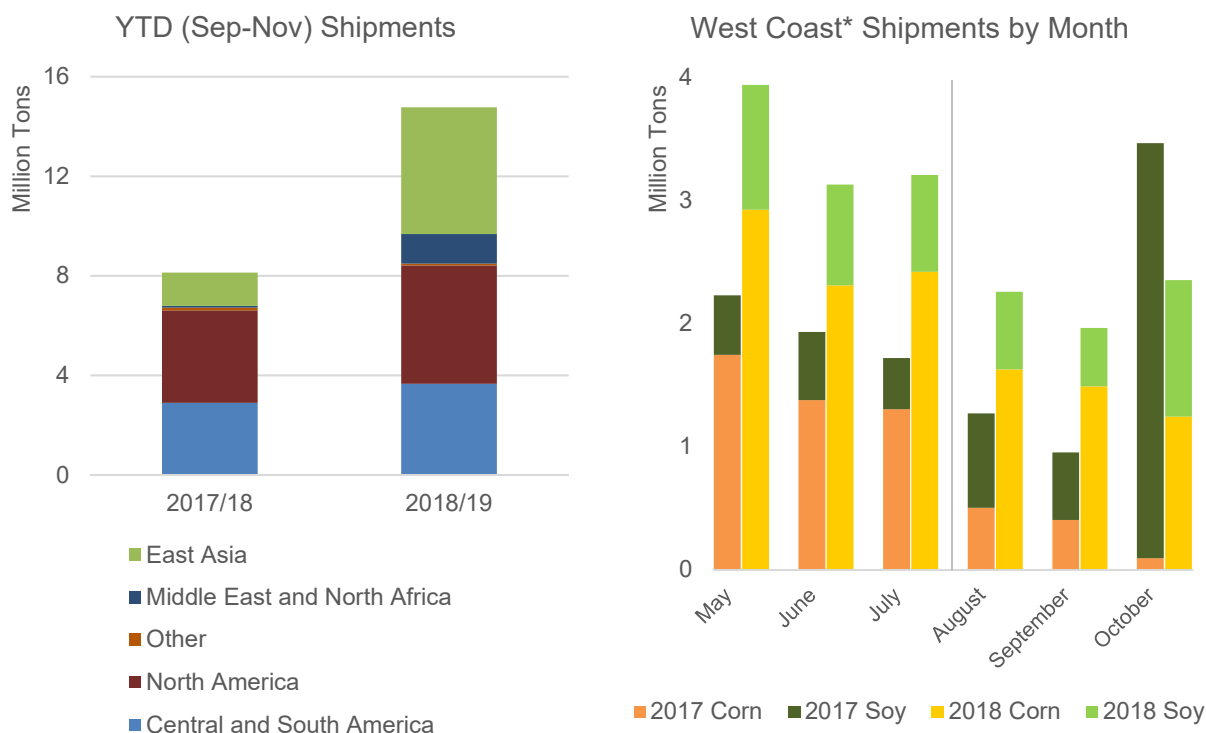
CORN PRICES

Global: Corn prices have trended up since the previous WASDE on strong global demand. Argentina bids were up \$5/ton to \$167, and Brazil bids jumped \$10/ton at \$178 reflecting stronger domestic prices. Black Sea bids are unchanged at \$166, despite strong European Union demand, reflecting ample new-crop supplies in the region. U.S. bids rose steadily by \$5/ton to \$170 on strong foreign demand.



MARKET FEATURE

U.S. Corn Exports to East Asia Surge in 1st Quarter



According to the USDA Foreign Agricultural Service *Export Sales Reporting* data, early-season shipments of corn to East Asia (Japan, South Korea, and Taiwan) have been exceptional, supporting a strong start to the marketing year. The latest information shows that accumulated shipments this marketing year have reached nearly 16 million tons, near-doubling that of a comparable time from a year ago. Among these exports, shipments to East Asian destinations account for almost 5 million tons, which is 30 percent of all exports from August to the end of November. In contrast, last year's accumulated exports to East Asian buyers at Week 13 of MY2017/18 was 1.3 million tons.

The main reason for this increase is the competitiveness of corn. First, the global availability of corn, boosted by record crops, has increased its overall competitiveness. Corn demand as feed, over other feed grains such as wheat and barley, has grown globally including East Asia. Second, unlike last year, U.S. corn is competitive compared to Brazil, which is a key supplier in East Asian markets. A smaller-than-expected corn crop, combined with logistical challenges stemming from soybean exports to China dominating ports, has made seasonal corn shipments from Brazil to key markets uncharacteristically slow. Third, on the domestic side, U.S. soybean exports from the Pacific Northwest to China have been minimal this year and are opening opportunities for corn exporters looking across the Pacific. Because of these factors, first quarter corn exports to East Asia are boosted nearly four times to what they were in 2017.

Total commitments are ahead-of-pace with strong shipments. However, the pace of outstanding sales has been slower than a year ago, reflecting rebounding competition from South America, and record supplies in Ukraine. Regardless, a strong first quarter performance bodes well for U.S. corn exporters.

* West Coast is defined as West Coast Customs Districts.

TRADE CHANGES IN 2018/19 (1,000 MT)

Country	Commodity	Attribute	Previous	Current	Change	Reason
Australia	Barley	Exports	5,700	5400	-300	Smaller Crop
Brazil	Corn	Exports	25,000	26,500	1,500	Expectations of larger shipments during the fall of 2018
Canada	Corn	Imports	500	1,200	700	Smaller crop, strong pace
China	Barley	Imports	9,500	9,200	-300	Reflects smaller supplies in exporting countries
	Oats	Imports	400	150	-250	Smaller supplies in Australia
Colombia	Corn	Imports	5,200	5,500	300	Stronger feed use
European Union	Oats	Exports	350	150	-200	Pace to date
Iran	Corn	Imports	9,000	9,500	500	Higher demand on competitiveness relative to other feedstuffs
Japan	Corn	Imports	15,000	15,500	500	Higher demand on competitiveness relative to other feedstuffs
Libya	Corn	Imports	800	600	-200	Adjustment based on previous year changes
Mexico	Corn	Exports	1,500	1,300	-200	Adjustment based on 2017/18
Ukraine	Corn	Exports	27,000	28,000	1000	Larger crop
Venezuela	Corn	Imports	1,600	1,400	-200	Adjustment based on 2017/18
Vietnam	Corn	Imports	10,000	11,000	1000	Higher demand on competitiveness relative to other feedstuffs

TRADE CHANGES IN 2017/18 (1,000 MT)

Country	Commodity	Attribute	Previous	Current	Change
Australia	Barley	Exports	6,500	6,088	-412
Colombia	Corn	Imports	5,000	5,201	201
European Union	Corn	Imports	18,000	18,411	411
Mexico	Corn	Exports	1,300	958	-342
Taiwan	Corn	Imports	4,100	4,410	310
Venezuela	Corn	Imports	1,600	1,387	-213
Vietnam	Corn	Imports	9,200	9,500	300
Australia	Barley	Exports	6,500	6,088	-412

ENDNOTES

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, U.S. Virgin Islands

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 (2016/17 starts in 2016); except for summer grains in certain Southern Hemisphere countries and for rice in selected countries, where the second year begins the LMY (2016/17 starts in 2017). 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](#) November 2018. For further details on world grain production, please see [World Agricultural Production](#) December 2018. This circular is available in its entirety on the Internet via the Foreign Agricultural Service Home Page. The address is: <http://www.fas.usda.gov>

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DATA TABLES

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All Grain Summary Comparison
Million Metric Tons

	Marketing Year	Wheat			Rice, Milled			Corn		
		2016/17	2017/18	2018/19	2016/17	2017/18	2018/19	2016/17	2017/18	2018/19
Production										
United States	(Jun-May)	62.8	47.3	51.3	7.1	5.7	6.9	384.8	371.0	371.5
Other		693.7	715.8	682.1	483.7	489.4	484.2	737.6	705.2	728.4
World Total		756.5	763.1	733.4	490.8	495.1	491.1	1,122.4	1,076.2	1,099.9
Domestic Consumption										
United States	(Jun-May)	31.9	29.3	31.3	4.2	4.3	4.2	313.8	313.8	319.5
Other		703.5	712.8	712.4	473.6	478.6	482.5	745.3	774.1	805.1
World Total		735.4	742.1	743.7	477.8	482.9	486.7	1,059.1	1,087.9	1,124.6
Ending Stocks										
United States	(Jun-May)	32.1	29.9	26.5	1.5	0.9	1.4	58.3	54.4	45.2
Other		228.9	250.0	241.6	147.9	160.8	161.9	291.9	285.8	263.6
World Total		261.0	279.9	268.1	149.4	161.7	163.3	350.2	340.2	308.8
TY Imports										
United States	(Jun-May)	3.3	4.4	3.8	0.8	0.9	0.9	1.5	0.8	1.2
Other		175.6	174.0	171.9	44.4	44.6	44.3	137.9	149.6	158.6
World Total		178.9	178.4	175.7	45.2	45.5	45.2	139.4	150.4	159.8
TY Exports										
United States	(Jun-May)	29.3	23.1	29.0	3.3	2.9	3.2	55.6	63.6	62.0
Other		153.0	159.5	149.4	44.8	45.3	45.1	86.1	87.4	101.2
World Total		182.3	182.6	178.4	48.1	48.2	48.3	141.7	151.0	163.2

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.

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

	2014/15	2015/16	2016/17	2017/18	2018/19 Nov	2018/19 Dec
TY Exports						
Argentina	21,003	25,291	26,105	26,007	30,805	30,805
Australia	7,286	6,389	10,258	7,013	7,675	7,225
Brazil	21,954	35,415	19,797	25,173	25,015	26,515
Canada	3,604	4,693	5,042	5,753	5,570	5,550
European Union	15,068	10,979	8,192	7,869	7,252	7,052
Kazakhstan	508	851	859	1,360	2,060	2,060
Paraguay	3,031	2,663	1,767	1,481	2,215	2,215
Russia	9,155	8,465	9,258	11,440	7,740	7,740
Serbia	3,001	1,593	2,447	850	2,780	2,780
Ukraine	24,208	21,457	26,868	23,003	31,660	32,660
Others	8,633	7,939	9,252	10,037	9,055	8,875
Subtotal	117,451	125,735	119,845	119,986	131,827	133,477
United States	56,419	59,230	61,788	68,734	65,135	65,135
World Total	173,870	184,965	181,633	188,720	196,962	198,612
TY Imports						
Algeria	4,863	5,224	4,459	4,757	4,675	4,675
Bangladesh	485	1,036	1,181	1,500	2,000	2,000
Brazil	1,023	2,123	3,177	1,527	1,650	1,650
Canada	1,723	1,106	778	1,837	610	1,310
Chile	1,707	1,721	1,580	1,977	2,130	2,130
China	25,699	17,499	16,055	16,540	16,900	16,350
Colombia	4,747	4,824	5,013	5,542	5,535	5,835
Dominican Republic	1,202	1,351	1,294	1,329	1,400	1,400
Egypt	7,938	8,795	8,795	9,541	9,720	9,720
European Union	9,408	14,490	15,633	19,422	22,355	22,355
Iran	8,000	8,300	10,000	12,100	12,000	12,500
Israel	1,601	1,509	1,940	2,045	1,985	1,985
Japan	16,726	17,073	17,000	17,581	16,770	17,270
Jordan	1,448	1,713	1,588	1,360	1,400	1,400
Korea, South	10,274	10,213	9,308	10,211	10,390	10,390
Malaysia	3,243	4,122	3,531	3,645	4,000	4,000
Mexico	11,640	14,827	15,283	16,389	17,310	17,310
Morocco	2,217	3,182	2,575	3,072	2,702	2,702
Peru	2,863	3,083	3,438	3,458	3,560	3,560
Saudi Arabia	11,115	13,992	11,825	11,800	13,010	13,010
Taiwan	3,938	4,781	4,267	4,520	4,100	4,200
Tunisia	1,525	1,713	1,745	1,827	1,500	1,500
Turkey	2,719	713	1,712	3,505	2,305	2,305
Venezuela	2,433	1,738	1,240	1,387	1,600	1,400
Vietnam	6,752	8,679	8,661	9,650	10,125	11,125
Others	20,841	22,698	22,394	18,830	19,320	19,130
Subtotal	166,130	176,505	174,472	185,352	189,052	191,212
Unaccounted	4,445	4,479	3,747	442	4,410	4,100
United States	3,295	3,981	3,414	2,926	3,500	3,300
World Total	173,870	184,965	181,633	188,720	196,962	198,612

TY=Trade Year, see Endnotes.

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

	2014/15	2015/16	2016/17	2017/18	2018/19 Nov	2018/19 Dec
Production						
Argentina	36,782	38,439	48,569	39,320	50,353	50,353
Australia	12,605	12,544	17,266	11,908	11,096	10,846
Brazil	87,671	68,649	101,575	85,058	97,485	97,422
Canada	22,107	25,769	26,623	26,243	26,950	26,240
China	256,523	271,847	270,928	266,571	263,805	263,805
Ethiopia	14,442	15,149	15,094	13,960	14,180	14,180
European Union	170,670	152,665	152,829	152,492	146,692	147,192
India	43,076	38,701	43,470	46,970	42,250	42,250
Indonesia	9,000	10,500	10,900	11,400	11,900	11,900
Mexico	32,689	32,378	33,263	33,071	31,490	31,690
Nigeria	18,341	19,052	18,823	18,800	19,300	19,300
Russia	40,386	37,427	40,765	41,712	34,725	34,725
South Africa	11,079	8,658	18,117	14,000	13,608	12,608
Turkey	9,311	14,181	10,776	12,971	13,451	13,451
Ukraine	39,389	33,387	39,217	34,071	42,195	43,695
Others	164,677	156,434	162,884	164,501	168,679	168,839
Subtotal	968,748	935,780	1,011,099	973,048	988,159	988,496
United States	377,234	367,009	402,612	384,255	385,117	385,117
World Total	1,345,982	1,302,789	1,413,711	1,357,303	1,373,276	1,373,613
Domestic Consumption						
Argentina	14,232	14,221	16,044	16,413	16,953	16,953
Brazil	60,009	59,823	64,032	68,181	70,042	70,042
Canada	21,299	20,909	21,971	23,268	22,760	23,015
China	232,709	250,290	275,948	284,080	295,530	294,980
Egypt	14,832	15,803	16,027	16,779	17,138	17,138
Ethiopia	13,680	15,215	15,142	14,135	14,085	14,085
European Union	162,592	157,125	160,840	162,670	165,070	165,770
India	40,474	40,201	42,375	44,875	44,175	44,175
Iran	12,020	14,020	13,820	15,820	16,220	16,720
Japan	16,876	17,258	17,252	17,747	17,214	17,514
Mexico	42,175	44,715	46,845	48,210	49,840	49,940
Nigeria	18,132	18,990	19,219	18,850	19,500	19,500
Russia	31,139	29,715	32,075	31,015	27,625	27,525
Turkey	12,951	14,021	12,891	15,631	15,961	15,961
Vietnam	9,452	12,279	13,050	13,550	13,525	14,325
Others	250,883	250,147	257,681	258,855	260,499	260,349
Subtotal	969,575	957,195	1,051,204	1,048,308	1,074,815	1,074,878
United States	311,339	312,599	327,523	324,145	334,080	332,809
World Total	1,280,914	1,269,794	1,378,727	1,372,453	1,408,895	1,407,687
Ending Stocks						
Argentina	4,274	3,268	6,698	3,505	5,605	5,605
Brazil	8,235	7,010	14,492	9,411	10,842	9,326
Canada	3,513	4,971	5,562	4,529	3,737	3,514
China	174,300	213,329	224,253	223,222	208,327	208,327
European Union	18,885	15,739	15,202	16,455	12,818	13,280
Mexico	4,832	5,835	6,000	6,286	3,484	4,046
Ukraine	3,291	3,171	2,997	2,719	2,404	2,594
Others	52,198	48,036	47,083	45,259	39,435	39,976
Subtotal	269,528	301,359	322,287	311,386	286,652	286,668
United States	46,948	48,112	62,168	57,919	47,528	48,563
World Total	316,476	349,471	384,455	369,305	334,180	335,231

Regional Coarse Grains Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2014/15	2015/16	2016/17	2017/18	Nov 2018/19	Dec 2018/19
TY Imports						
North America	16,658	19,914	19,475	21,152	21,420	21,920
Central America	3,456	3,938	3,799	4,001	4,200	4,200
Caribbean	2,444	2,597	2,659	2,446	2,840	2,840
South America	13,355	13,855	15,059	14,777	15,240	15,340
European Union - 28	9,408	14,490	15,633	19,422	22,355	22,355
Former Soviet Union - 12	745	551	831	825	790	790
Middle East	27,608	29,734	30,541	34,268	33,526	34,026
North Africa	18,228	20,819	19,337	20,247	19,697	19,497
Sub-Saharan Africa	4,083	6,057	6,684	3,357	3,921	3,921
East Asia	56,684	49,600	46,723	48,902	48,210	48,260
Southeast Asia	14,786	15,895	14,169	15,594	16,255	17,265
Others	1,970	3,036	2,976	3,287	4,098	4,098
Total	169,425	180,486	177,886	188,278	192,552	194,512
Production						
North America	432,030	425,156	462,498	443,569	443,557	443,047
South America	139,744	122,016	163,144	137,777	162,583	162,520
European Union - 28	170,670	152,665	152,829	152,492	146,692	147,192
Other Europe	10,927	9,271	11,415	7,188	10,511	10,511
Former Soviet Union - 12	91,963	82,740	92,737	88,793	91,398	92,898
Middle East	17,036	21,605	18,083	20,582	20,125	20,125
North Africa	10,927	12,289	9,263	11,177	13,392	13,392
Sub-Saharan Africa	109,841	102,225	116,714	114,891	111,219	110,219
East Asia	259,203	274,579	273,568	269,233	266,518	266,518
South Asia	54,649	50,627	56,597	60,459	56,539	56,539
Southeast Asia	30,949	31,988	34,006	33,751	34,143	34,313
Oceania	13,283	13,236	17,883	12,388	11,728	11,478
Others	4,760	4,392	4,974	5,003	4,871	4,861
Total	1,345,982	1,302,789	1,413,711	1,357,303	1,373,276	1,373,613
Domestic Consumption						
North America	374,813	378,223	396,339	395,623	406,680	405,764
South America	98,737	98,462	103,175	109,476	112,561	112,541
European Union - 28	162,592	157,125	160,840	162,670	165,070	165,770
Other Europe	8,347	8,553	9,025	7,834	8,277	8,277
Former Soviet Union - 12	58,467	53,574	56,364	54,184	50,743	50,913
Middle East	45,556	51,650	50,391	54,247	54,491	54,991
North Africa	30,168	32,142	30,943	31,436	32,023	31,873
Sub-Saharan Africa	109,569	107,731	115,484	114,188	114,978	114,058
East Asia	266,489	284,666	309,402	318,898	330,012	329,962
South Asia	52,617	53,841	56,659	60,916	60,795	60,795
Southeast Asia	41,253	44,038	45,979	46,800	47,585	48,645
Oceania	5,846	6,429	6,759	6,456	4,991	5,191
Others	10,340	10,897	11,375	11,496	12,011	12,021
Total	1,264,794	1,287,331	1,352,735	1,374,224	1,400,217	1,400,801
Ending Stocks						
North America	55,293	58,918	73,730	68,734	54,749	56,123
South America	15,928	13,618	24,377	15,923	19,693	18,317
European Union - 28	18,885	15,739	15,202	16,455	12,818	13,280
Other Europe	1,102	963	1,635	825	1,057	1,059
Former Soviet Union - 12	7,926	6,316	6,924	5,804	5,010	5,242
Middle East	8,999	9,204	5,940	6,714	5,688	5,679
North Africa	5,412	5,853	3,783	3,466	4,518	4,532
Sub-Saharan Africa	12,442	10,252	12,408	12,730	10,014	9,842
East Asia	178,202	217,691	228,431	227,636	212,060	212,382
South Asia	5,328	3,100	4,186	5,013	3,401	3,343
Southeast Asia	4,171	5,057	3,890	2,904	3,060	3,202
Oceania	1,665	1,619	2,751	2,007	1,035	1,271
Others	1,123	1,141	1,198	1,094	1,077	959
Total	316,476	349,471	384,455	369,305	334,180	335,231

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

	2014/15	2015/16	2016/17	2017/18	2018/19 Nov	2018/19 Dec
TY Exports						
Argentina	18,448	21,679	22,951	22,952	27,500	27,500
Brazil	21,909	35,382	19,794	25,168	25,000	26,500
Canada	395	1,767	1,544	1,973	1,600	1,600
European Union	4,027	1,953	2,189	1,749	1,500	1,500
Mexico	784	1,559	1,539	958	1,500	1,300
Paraguay	3,012	2,662	1,757	1,476	2,200	2,200
Russia	3,213	4,691	5,589	5,500	3,000	3,000
Serbia	2,964	1,560	2,414	800	2,700	2,700
South Africa	746	759	1,816	2,361	1,900	1,900
Ukraine	19,661	16,595	21,334	18,500	27,000	28,000
Others	6,400	5,225	5,187	5,936	5,005	5,025
Subtotal	81,559	93,832	86,114	87,373	98,905	101,225
United States	46,831	51,098	55,593	63,636	62,000	62,000
World Total	128,390	144,930	141,707	151,009	160,905	163,225
TY Imports						
Algeria	4,116	4,329	3,915	4,200	4,400	4,400
Bangladesh	485	1,036	1,181	1,500	2,000	2,000
Brazil	534	1,566	2,439	943	1,000	1,000
Canada	1,536	958	686	1,767	500	1,200
Chile	1,516	1,539	1,484	1,893	2,000	2,000
China	5,516	3,174	2,464	3,467	5,000	5,000
Colombia	4,496	4,458	4,754	5,201	5,200	5,500
Dominican Republic	1,202	1,351	1,294	1,329	1,400	1,400
Egypt	7,839	8,722	8,773	9,464	9,700	9,700
European Union	8,908	14,008	14,973	18,411	21,000	21,000
Guatemala	881	1,027	951	1,091	1,200	1,200
Iran	6,100	6,600	7,800	8,900	9,000	9,500
Israel	1,294	1,156	1,539	1,800	1,700	1,700
Japan	14,657	15,204	15,169	15,668	15,000	15,500
Korea, South	10,168	10,121	9,220	10,018	10,200	10,200
Malaysia	3,243	4,122	3,531	3,645	4,000	4,000
Mexico	11,341	13,957	14,614	16,129	16,700	16,700
Morocco	1,941	2,224	2,164	2,600	2,600	2,600
Peru	2,741	2,985	3,269	3,402	3,400	3,400
Saudi Arabia	2,904	3,583	3,421	4,000	5,000	5,000
Taiwan	3,810	4,656	4,163	4,410	4,000	4,100
Tunisia	1,042	1,017	1,244	1,100	1,100	1,100
Turkey	2,377	567	1,421	2,800	2,200	2,200
Venezuela	2,433	1,738	1,238	1,387	1,600	1,400
Vietnam	6,700	8,600	8,500	9,500	10,000	11,000
Others	17,111	18,218	17,702	14,926	16,020	15,830
Subtotal	124,891	136,916	137,909	149,551	155,920	158,630
Unaccounted	2,690	6,232	2,347	612	3,685	3,395
United States	809	1,782	1,451	846	1,300	1,200
World Total	128,390	144,930	141,707	151,009	160,905	163,225

TY=Trade Year, see Endnotes.

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

	2014/15	2015/16	2016/17	2017/18	2018/19 Nov	2018/19 Dec
Production						
Argentina	29,750	29,500	41,000	32,000	42,500	42,500
Brazil	85,000	67,000	98,500	82,000	94,500	94,500
Canada	11,606	13,680	13,889	14,095	14,500	13,900
China	249,764	264,992	263,613	259,071	256,000	256,000
Ethiopia	7,235	7,300	7,300	7,000	7,100	7,100
European Union	75,734	58,748	61,884	62,104	59,500	60,400
India	24,170	22,570	25,900	28,720	26,000	26,000
Indonesia	9,000	10,500	10,900	11,400	11,900	11,900
Mexico	25,480	25,971	27,575	27,450	26,000	26,000
Nigeria	10,059	10,562	10,415	11,000	11,000	11,000
Philippines	7,671	6,966	8,087	7,980	8,200	8,200
Russia	11,325	13,168	15,305	13,229	11,250	11,250
Serbia	7,700	6,000	7,600	4,000	7,000	7,000
South Africa	10,629	8,214	17,551	13,525	13,000	12,000
Ukraine	28,450	23,333	27,969	24,115	33,500	35,000
Others	102,115	99,212	100,145	107,531	105,485	105,645
Subtotal	695,688	667,716	737,633	705,220	727,435	728,395
United States	361,091	345,506	384,778	370,960	371,517	371,517
World Total	1,056,779	1,013,222	1,122,411	1,076,180	1,098,952	1,099,912
Total Consumption						
Argentina	9,300	9,300	11,200	11,900	12,400	12,400
Brazil	57,000	57,500	60,500	64,500	66,500	66,500
Canada	12,823	12,029	12,949	14,063	13,700	13,900
China	206,000	229,000	255,000	263,000	276,000	276,000
Egypt	13,900	14,850	15,100	15,900	16,200	16,200
European Union	77,880	73,500	74,000	76,500	82,500	83,000
India	22,350	23,550	24,900	26,700	27,500	27,500
Indonesia	12,200	12,100	12,300	12,100	12,500	12,500
Iran	7,400	8,800	9,300	9,800	10,100	10,600
Japan	14,600	15,200	15,200	15,600	15,200	15,500
Korea, South	10,250	10,123	9,435	10,000	10,300	10,300
Mexico	34,550	37,300	40,400	42,300	43,700	43,700
Nigeria	9,900	10,600	10,900	11,100	11,300	11,300
South Africa	11,650	10,970	12,663	12,300	12,600	11,700
Vietnam	9,400	12,200	12,900	13,400	13,400	14,200
Others	163,581	164,548	168,502	174,923	179,158	179,738
Subtotal	690,057	682,204	769,718	772,391	811,541	811,760
United States	301,792	298,844	313,828	313,834	320,817	319,547
World Total	991,849	981,048	1,083,546	1,086,225	1,132,358	1,131,307
Ending Stocks						
Argentina	2,898	1,448	5,273	2,378	4,483	4,483
Brazil	7,842	6,769	14,019	9,019	10,519	9,019
Canada	1,518	2,450	2,574	2,369	2,069	1,969
China	172,855	212,017	223,017	222,536	207,486	207,486
Egypt	2,358	2,224	1,887	1,841	2,067	2,131
European Union	9,626	6,929	7,597	9,863	6,001	6,763
Mexico	4,090	5,159	5,409	5,730	2,968	3,430
Others	34,043	30,259	32,214	32,095	27,812	28,275
Subtotal	235,230	267,255	291,990	285,831	263,405	263,556
United States	43,974	44,123	58,253	54,367	44,104	45,247
World Total	279,204	311,378	350,243	340,198	307,509	308,803

Regional Corn Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2014/15	2015/16	2016/17	2017/18	Nov 2018/19	Dec 2018/19
TY Imports						
North America	13,686	16,697	16,751	18,742	18,500	19,100
Central America	3,456	3,938	3,799	4,001	4,200	4,200
South America	12,042	12,462	13,719	13,567	13,865	13,965
European Union - 28	8,908	14,008	14,973	18,411	21,000	21,000
Former Soviet Union - 12	500	361	374	500	445	445
Middle East	15,157	14,890	16,944	20,561	20,800	21,300
North Africa	15,622	16,873	16,775	17,914	18,600	18,400
Sub-Saharan Africa	3,323	5,408	5,902	2,521	2,943	2,943
East Asia	34,198	33,189	31,109	33,613	34,250	34,850
Southeast Asia	14,702	15,781	13,968	15,277	16,095	17,105
Caribbean	2,444	2,597	2,657	2,446	2,840	2,840
Others	1,662	2,494	2,389	2,844	3,682	3,682
Total	125,700	138,698	139,360	150,397	157,220	159,830
Production						
North America	398,177	385,157	426,242	412,505	412,017	411,417
South America	127,570	108,837	149,788	124,967	148,905	148,905
European Union - 28	75,734	58,748	61,884	62,104	59,500	60,400
Other Europe	9,132	7,427	9,432	5,335	8,595	8,595
Former Soviet Union - 12	44,188	40,147	47,791	42,069	49,800	51,300
Middle East	6,904	7,791	6,995	7,786	7,066	7,066
North Africa	6,058	6,096	6,130	6,601	6,951	6,951
Sub-Saharan Africa	66,809	62,116	71,544	73,829	69,736	68,736
East Asia	252,113	267,431	265,949	261,417	258,405	258,405
South Asia	34,398	33,221	37,764	40,986	39,086	39,086
Central America	3,588	3,278	3,780	3,840	3,630	3,630
Southeast Asia	30,655	31,693	33,716	33,461	33,853	34,023
Others	1,453	1,280	1,396	1,280	1,408	1,398
Total	1,056,779	1,013,222	1,122,411	1,076,180	1,098,952	1,099,912
Domestic Consumption						
North America	349,165	348,173	367,177	370,197	378,217	377,147
South America	87,601	87,971	91,723	98,098	101,180	101,160
European Union - 28	77,880	73,500	74,000	76,500	82,500	83,000
Other Europe	6,297	6,522	6,932	5,818	6,250	6,250
Former Soviet Union - 12	21,071	19,582	20,511	18,635	19,585	19,885
Middle East	21,738	23,502	24,533	27,430	28,060	28,560
North Africa	22,100	22,990	23,290	24,450	25,150	25,000
Sub-Saharan Africa	66,881	66,854	69,933	72,291	72,692	71,772
East Asia	237,127	260,967	286,087	295,230	308,050	308,550
South Asia	33,123	35,630	37,885	41,389	42,881	42,881
Southeast Asia	40,849	43,634	45,497	46,197	47,140	48,200
Central America	6,760	7,180	7,520	7,800	7,890	7,900
Others	3,984	3,909	3,989	3,885	4,280	4,280
Total	974,576	1,000,414	1,059,077	1,087,920	1,123,875	1,124,585
Ending Stocks						
North America	49,582	51,732	66,236	62,466	49,141	50,646
South America	13,743	11,209	22,152	14,117	17,880	16,537
European Union - 28	9,626	6,929	7,597	9,863	6,001	6,763
Other Europe	896	849	1,475	700	918	920
Former Soviet Union - 12	3,155	2,602	3,070	2,499	2,410	2,607
Middle East	3,727	2,751	2,039	2,726	2,446	2,437
North Africa	3,259	2,988	2,555	2,552	2,879	2,893
Sub-Saharan Africa	9,588	7,696	9,981	10,716	8,080	7,908
East Asia	176,305	215,956	226,814	226,625	210,958	211,280
South Asia	3,940	2,388	3,149	3,847	2,550	2,552
Southeast Asia	4,165	5,051	3,879	2,893	3,049	3,191
Central America	759	794	850	840	772	755
Others	459	433	446	354	425	314
Total	279,204	311,378	350,243	340,198	307,509	308,803

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

	2014/15	2015/16	2016/17	2017/18	2018/19 Nov	2018/19 Dec
TY Exports						
Argentina	1,599	2,836	2,696	2,500	2,800	2,800
Australia	5,266	5,401	9,192	6,088	5,700	5,400
Canada	1,386	1,147	1,809	1,868	2,200	2,200
European Union	10,642	8,644	5,683	5,900	5,300	5,300
Kazakhstan	475	776	821	1,300	2,000	2,000
Russia	5,807	3,735	3,626	5,800	4,700	4,700
Serbia	37	33	33	50	80	80
Turkey	4	0	14	20	100	100
Ukraine	4,332	4,673	5,337	4,300	4,500	4,500
Uruguay	43	42	111	5	150	150
Others	208	108	157	171	125	125
Subtotal	29,799	27,395	29,479	28,002	27,655	27,355
United States	291	161	125	102	100	100
World Total	30,090	27,556	29,604	28,104	27,755	27,455
TY Imports						
Algeria	723	864	533	550	250	250
Belarus	1	7	112	60	100	100
Brazil	489	551	737	584	650	650
Canada	165	131	74	56	100	100
China	9,859	5,869	8,104	8,137	9,500	9,200
Colombia	249	301	258	280	280	280
European Union	269	315	447	450	500	500
India	2	67	325	100	100	100
Iran	1,900	1,700	2,200	3,200	3,000	3,000
Israel	278	319	376	200	250	250
Japan	1,097	1,154	1,197	1,253	1,100	1,100
Jordan	759	902	759	720	600	600
Kuwait	412	511	569	550	200	200
Libya	1,001	1,324	1,084	500	300	300
Morocco	276	958	407	470	100	100
Peru	122	98	169	56	150	150
Saudi Arabia	8,200	10,400	8,400	7,700	8,000	8,000
Tunisia	483	696	501	727	400	400
United Arab Emirates	393	668	501	250	400	400
Vietnam	52	79	161	150	125	125
Others	1,742	1,166	1,596	1,877	946	946
Subtotal	28,472	28,080	28,510	27,870	27,051	26,751
Unaccounted	1,188	-876	877	64	304	404
United States	430	352	217	170	400	300
World Total	30,090	27,556	29,604	28,104	27,755	27,455

TY=Trade Year, see Endnotes.

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

	2014/15	2015/16	2016/17	2017/18	2018/19 Nov	2018/19 Dec
Production						
Algeria	1,300	1,300	1,000	968	1,950	1,950
Argentina	2,900	4,940	3,300	3,740	4,000	4,000
Australia	8,646	8,993	13,506	8,900	7,400	7,300
Belarus	1,988	1,849	1,253	1,420	1,700	1,700
Canada	7,117	8,257	8,839	7,891	8,500	8,400
China	1,810	1,870	1,752	1,800	1,850	1,850
Ethiopia	1,953	2,047	2,025	2,100	2,170	2,170
European Union	60,609	62,095	59,866	58,837	57,350	56,950
India	1,831	1,613	1,440	1,750	1,770	1,770
Iran	3,200	3,200	3,000	3,100	3,100	3,100
Kazakhstan	2,412	2,675	3,231	3,305	4,200	4,200
Morocco	1,638	3,400	620	2,000	2,910	2,910
Russia	20,026	17,083	17,547	20,183	16,500	16,500
Turkey	4,000	7,400	4,750	6,400	7,400	7,400
Ukraine	9,450	8,751	9,874	8,695	7,600	7,600
Others	9,151	9,552	10,699	9,834	9,591	9,591
Subtotal	138,031	145,025	142,702	140,923	137,991	137,391
United States	3,953	4,750	4,353	3,090	3,333	3,333
World Total	141,984	149,775	147,055	144,013	141,324	140,724
Total Consumption						
Algeria	2,050	2,150	2,050	1,750	1,900	1,900
Australia	3,000	3,300	3,500	3,600	2,400	2,600
Belarus	2,000	1,850	1,400	1,450	1,750	1,750
Canada	6,471	6,960	6,760	6,799	6,800	6,800
China	11,600	7,900	9,800	10,300	11,100	10,800
Ethiopia	1,975	1,990	2,025	2,075	2,125	2,125
European Union	50,937	51,375	55,100	54,200	52,400	52,400
India	1,400	1,520	1,650	1,950	1,850	1,850
Iran	4,600	5,200	4,500	6,000	6,100	6,100
Kazakhstan	2,000	2,000	2,200	2,150	2,200	2,200
Morocco	2,638	3,350	2,200	2,450	2,550	2,550
Russia	14,100	13,700	14,700	14,500	12,200	12,200
Saudi Arabia	8,525	10,225	9,825	8,525	8,525	8,525
Turkey	5,350	6,900	5,500	6,700	7,300	7,300
Ukraine	5,500	4,300	4,900	4,500	3,300	3,300
Others	17,045	18,487	18,857	17,675	16,045	16,045
Subtotal	138,270	143,264	145,971	144,340	138,971	138,880
United States	4,235	4,408	4,375	3,436	3,702	3,701
World Total	142,505	147,672	150,346	147,776	142,673	142,581
Ending Stocks						
Algeria	1,304	1,291	877	627	927	927
Australia	1,120	1,068	1,884	1,459	484	759
European Union	5,834	6,012	5,509	4,697	4,847	4,547
Iran	1,058	758	458	758	758	758
Saudi Arabia	3,074	4,059	2,344	1,829	1,314	1,314
Turkey	332	961	338	771	871	871
Ukraine	1,565	1,609	1,237	1,137	947	947
Others	8,239	8,359	8,086	5,951	5,648	5,508
Subtotal	22,526	24,117	20,733	17,229	15,796	15,631
United States	1,711	2,223	2,316	2,057	1,906	1,798
World Total	24,237	26,340	23,049	19,286	17,702	17,429

Regional Barley Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2014/15	2015/16	2016/17	2017/18	Nov 2018/19	Dec 2018/19
TY Imports						
North America	779	615	293	236	510	410
South America	1,169	1,133	1,249	1,050	1,150	1,150
European Union - 28	269	315	447	450	500	500
Other Europe	124	81	121	100	125	125
Former Soviet Union - 12	239	162	439	300	315	315
Middle East	12,399	14,798	13,563	13,555	12,675	12,675
North Africa	2,581	3,914	2,542	2,323	1,070	1,070
Sub-Saharan Africa	138	40	112	48	55	55
East Asia	11,080	7,136	9,413	9,520	10,740	10,440
South Asia	22	133	341	131	136	136
Oceania	32	7	25	30	25	25
Total	28,902	28,432	28,727	28,040	27,451	27,051
Production						
North America	11,916	13,742	14,170	11,985	12,833	12,733
South America	3,795	5,925	4,714	4,814	5,395	5,395
European Union - 28	60,609	62,095	59,866	58,837	57,350	56,950
Other Europe	1,241	1,258	1,388	1,284	1,337	1,337
Former Soviet Union - 12	35,542	32,547	34,175	35,625	32,007	32,007
Middle East	8,896	12,674	10,118	11,690	11,988	11,988
North Africa	3,913	5,275	2,203	3,646	5,513	5,513
Sub-Saharan Africa	2,423	2,549	2,556	2,577	2,740	2,740
East Asia	2,136	2,159	2,052	2,112	2,154	2,154
South Asia	2,461	2,121	1,943	2,247	2,227	2,227
Oceania	9,052	9,430	13,870	9,196	7,780	7,680
Total	141,984	149,775	147,055	144,013	141,324	140,724
Domestic Consumption						
North America	11,556	12,293	12,085	11,245	11,552	11,551
South America	3,398	3,533	3,449	3,485	3,476	3,476
European Union - 28	50,937	51,375	55,100	54,200	52,400	52,400
Other Europe	1,414	1,373	1,449	1,357	1,377	1,377
Former Soviet Union - 12	25,454	23,889	25,429	24,713	21,537	21,537
Middle East	22,369	26,961	24,834	25,569	25,314	25,314
North Africa	7,120	8,203	6,697	6,049	5,918	5,918
Sub-Saharan Africa	2,471	2,565	2,609	2,630	2,700	2,700
East Asia	13,164	9,482	11,446	12,052	12,705	12,405
South Asia	2,023	2,093	2,173	2,513	2,318	2,318
Oceania	3,450	3,750	3,900	3,950	2,800	3,000
Total	143,426	145,615	149,342	148,060	142,247	142,146
Ending Stocks						
North America	3,369	4,132	4,851	3,721	3,130	2,922
South America	773	1,141	838	708	767	727
European Union - 28	5,834	6,012	5,509	4,697	4,847	4,547
Other Europe	160	79	107	79	84	84
Former Soviet Union - 12	3,771	3,021	3,058	2,543	2,053	2,053
Middle East	5,208	6,385	3,856	3,933	3,182	3,182
North Africa	2,105	2,816	1,174	857	1,582	1,582
Sub-Saharan Africa	434	436	488	480	575	575
East Asia	1,090	904	923	503	692	692
South Asia	294	274	292	261	256	256
Oceania	1,199	1,140	1,942	1,493	523	798
Total	24,237	26,340	23,049	19,286	17,702	17,429

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

	2014/15	2015/16	2016/17	2017/18	2018/19 Nov	2018/19 Dec
TY Exports						
Argentina	954	772	457	550	500	500
Australia	1,701	717	542	300	1,500	1,500
Ethiopia	75	75	75	75	75	75
India	122	74	24	140	50	50
Kenya	73	41	73	160	50	50
Nigeria	100	50	100	100	100	100
Ukraine	156	120	164	150	80	80
Others	138	115	229	209	102	102
Subtotal	3,319	1,964	1,664	1,684	2,457	2,457
United States	9,269	7,928	6,022	4,961	3,000	3,000
World Total	12,588	9,892	7,686	6,645	5,457	5,457
TY Imports						
Chile	98	134	54	49	100	100
China	10,162	8,284	5,209	4,436	2,000	2,000
European Union	131	119	194	420	800	800
Japan	903	649	561	594	600	600
Kenya	117	54	146	150	150	150
Korea, South	6	4	5	70	70	70
Mexico	29	661	548	120	500	500
Somalia	20	70	60	70	100	100
South Sudan	87	19	36	150	150	150
Sudan	120	200	120	150	200	200
Others	390	669	398	597	504	504
Subtotal	12,063	10,863	7,331	6,806	5,174	5,174
Unaccounted	498	-1,069	311	-212	283	283
United States	27	98	44	51	0	0
World Total	12,588	9,892	7,686	6,645	5,457	5,457

TY=Trade Year, see Endnotes.

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

	2014/15	2015/16	2016/17	2017/18	2018/19 Nov	2018/19 Dec
Production						
Argentina	3,500	3,375	3,400	3,000	3,150	3,150
Australia	2,209	1,791	994	1,439	2,200	2,200
Brazil	2,055	1,032	1,865	2,136	1,863	1,800
Burkina	1,708	1,436	1,663	1,366	1,800	1,800
Cameroon	1,150	1,217	1,339	1,400	1,400	1,400
Chad	922	835	991	946	950	950
China	2,885	2,750	2,985	3,200	3,450	3,450
Ethiopia	4,339	4,766	4,752	4,050	4,100	4,100
India	5,445	4,238	4,570	4,950	4,600	4,600
Mali	1,272	1,527	1,394	1,705	1,300	1,300
Mexico	6,270	5,587	4,638	4,545	4,400	4,600
Niger	1,426	1,918	1,808	1,944	1,700	1,700
Nigeria	6,883	7,005	6,939	6,300	6,800	6,800
Sudan	6,281	2,744	6,466	3,743	4,000	4,000
Tanzania	883	677	756	800	800	800
Others	7,948	7,309	6,614	7,050	7,026	7,026
Subtotal	55,176	48,207	51,174	48,574	49,539	49,676
United States	10,988	15,158	12,199	9,242	9,238	9,238
World Total	66,164	63,365	63,373	57,816	58,777	58,914
Total Consumption						
Argentina	2,800	2,900	2,900	2,700	2,700	2,700
Brazil	2,000	1,150	1,700	2,100	1,900	1,900
Burkina	1,700	1,465	1,640	1,400	1,700	1,700
Cameroon	1,175	1,232	1,369	1,410	1,425	1,425
Chad	930	850	950	1,000	980	980
China	12,900	11,000	8,300	7,800	5,500	5,500
Ethiopia	4,100	4,700	4,700	4,200	4,100	4,100
European Union	995	800	790	970	1,520	1,520
India	5,100	4,600	4,500	4,700	4,600	4,600
Mali	1,200	1,500	1,400	1,650	1,400	1,400
Mexico	6,600	6,300	5,300	4,700	4,900	5,000
Niger	1,450	2,000	2,000	1,850	1,800	1,800
Nigeria	6,833	6,905	6,850	6,250	6,700	6,700
South Sudan	1,050	830	760	800	850	850
Sudan	6,000	3,100	6,450	4,100	4,250	4,250
Others	8,800	8,695	7,606	8,596	8,411	8,411
Subtotal	63,453	57,692	57,518	54,366	52,459	52,559
United States	2,459	6,130	6,282	4,047	6,604	6,604
World Total	65,912	63,822	63,800	58,413	59,063	59,163
Ending Stocks						
Argentina	971	952	889	689	639	639
Australia	252	233	272	261	261	261
China	706	717	577	370	300	300
Ethiopia	561	576	569	364	309	309
India	587	151	198	308	318	258
Mexico	338	286	172	137	137	237
Sudan	743	582	568	261	206	206
Others	1,615	1,357	1,262	1,485	1,315	1,322
Subtotal	5,773	4,854	4,507	3,875	3,485	3,532
United States	468	930	850	885	979	979
World Total	6,241	5,784	5,357	4,760	4,464	4,511

Regional Sorghum Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2014/15	2015/16	2016/17	2017/18	Nov 2018/19	Dec 2018/19
TY Imports						
North America	56	759	592	171	500	500
South America	114	212	60	115	185	185
European Union - 28	131	119	194	420	800	800
Other Europe	0	0	0	0	0	0
Middle East	24	34	30	132	31	31
North Africa	1	1	5	1	0	0
Sub-Saharan Africa	576	578	646	763	903	903
East Asia	11,142	9,011	5,823	5,160	2,720	2,720
Southeast Asia	14	16	19	20	10	10
Others	32	231	6	75	25	25
Total	12,090	10,961	7,375	6,857	5,174	5,174
Production						
North America	17,258	20,745	16,837	13,787	13,638	13,838
Central America	326	337	326	325	327	327
Caribbean	125	123	118	91	106	106
South America	6,967	5,682	6,159	6,142	6,065	6,002
European Union - 28	887	674	632	671	692	692
Middle East	646	505	394	485	470	470
North Africa	809	752	755	755	755	755
Sub-Saharan Africa	28,211	25,359	29,127	25,606	26,152	26,152
East Asia	2,887	2,752	2,987	3,202	3,452	3,452
South Asia	5,560	4,399	4,719	5,080	4,740	4,740
Southeast Asia	55	55	50	50	50	50
Oceania	2,209	1,791	994	1,439	2,200	2,200
Others	224	191	275	183	130	130
Total	66,164	63,365	63,373	57,816	58,777	58,914
Domestic Consumption						
North America	9,059	12,430	11,582	8,747	11,504	11,604
Central America	321	345	326	325	330	330
Caribbean	125	123	120	91	106	106
South America	6,362	5,409	5,623	5,910	5,762	5,762
European Union - 28	995	800	790	970	1,520	1,520
Middle East	801	550	429	622	491	491
North Africa	785	752	755	755	755	755
Sub-Saharan Africa	27,840	25,988	29,444	26,363	26,975	26,975
East Asia	13,882	11,733	8,917	8,526	6,222	6,222
South Asia	5,247	4,981	4,665	4,893	4,765	4,765
Southeast Asia	95	66	71	66	55	55
Oceania	505	905	675	950	800	800
Others	75	75	100	55	55	55
Total	66,092	64,157	63,497	58,273	59,340	59,440
Ending Stocks						
North America	806	1,216	1,022	1,022	1,116	1,216
Central America	26	17	17	12	9	9
South America	1,310	1,128	1,147	975	848	855
European Union - 28	27	16	24	143	113	113
Middle East	39	33	25	20	30	30
North Africa	47	48	53	54	54	54
Sub-Saharan Africa	2,313	2,105	1,911	1,506	1,331	1,331
East Asia	765	772	629	422	352	352
South Asia	587	151	198	308	318	258
Oceania	252	233	272	261	261	261
Others	69	65	59	37	32	32
Total	6,241	5,784	5,357	4,760	4,464	4,511

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

	2014/15	2015/16	2016/17	2017/18	2018/19 Nov	2018/19 Dec
TY Exports						
Australia	264	214	455	550	400	250
Canada	1,734	1,667	1,557	1,685	1,600	1,600
Chile	84	26	27	35	30	30
European Union	231	220	179	128	350	150
Kazakhstan	0	5	12	10	10	10
Russia	14	16	14	30	10	10
Ukraine	46	48	19	15	50	50
Others	10	8	3	9	10	10
Subtotal	2,383	2,204	2,266	2,462	2,460	2,110
United States	25	37	44	31	30	30
World Total	2,408	2,241	2,310	2,493	2,490	2,140
TY Imports						
Algeria	24	31	11	7	25	25
Bosnia and Herzegovina	4	4	6	5	5	5
Canada	22	17	18	12	10	10
China	162	172	278	500	400	150
Colombia	2	1	1	5	5	5
Ecuador	21	38	21	35	30	30
European Union	4	9	3	4	5	5
India	24	31	25	25	25	25
Japan	47	50	49	45	50	50
Korea, South	29	21	23	40	25	25
Mexico	86	77	119	130	100	100
Norway	4	7	3	15	5	5
Serbia	2	1	0	5	5	5
South Africa	46	31	24	25	20	20
Switzerland	49	41	54	50	50	50
Others	15	13	24	17	17	17
Subtotal	541	544	659	920	777	527
Unaccounted	100	165	121	39	113	13
United States	1,767	1,532	1,530	1,534	1,600	1,600
World Total	2,408	2,241	2,310	2,493	2,490	2,140

TY=Trade Year, see Endnotes.

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

	2014/15	2015/16	2016/17	2017/18	2018/19 Nov	2018/19 Dec
Production						
Algeria	110	110	110	110	110	110
Argentina	525	553	785	492	600	600
Australia	1,198	1,300	2,266	1,120	1,050	900
Belarus	522	492	390	500	460	460
Brazil	307	351	828	634	770	770
Canada	2,977	3,425	3,231	3,733	3,450	3,450
Chile	421	533	713	571	675	675
China	255	265	290	300	305	305
European Union	7,821	7,524	8,044	8,072	8,050	8,050
Kazakhstan	226	244	335	285	340	340
Mexico	93	85	72	72	90	90
Norway	283	286	330	300	300	300
Russia	5,267	4,527	4,750	5,441	4,800	4,800
Turkey	210	250	225	250	230	230
Ukraine	610	498	510	481	475	475
Others	260	303	355	328	335	335
Subtotal	21,085	20,746	23,234	22,689	22,040	21,890
United States	1,019	1,300	940	717	815	815
World Total	22,104	22,046	24,174	23,406	22,855	22,705
Total Consumption						
Algeria	126	141	132	117	135	135
Argentina	525	550	760	525	550	550
Australia	950	1,025	1,500	850	700	700
Belarus	500	500	400	500	450	450
Brazil	305	345	775	675	725	725
Canada	1,682	1,620	1,854	2,035	1,900	1,900
Chile	355	495	655	575	655	655
China	400	420	560	780	730	480
European Union	7,730	7,400	7,950	7,900	7,650	7,850
Kazakhstan	225	245	274	275	330	330
Mexico	175	190	195	200	190	190
Norway	295	296	315	320	300	300
Russia	5,200	4,600	4,800	5,400	4,800	4,800
Turkey	225	240	240	240	240	240
Ukraine	600	450	450	480	450	450
Others	488	519	555	577	554	554
Subtotal	19,724	19,125	21,605	21,469	20,434	20,284
United States	2,447	2,702	2,539	2,358	2,493	2,493
World Total	22,171	21,827	24,144	23,827	22,927	22,777
Ending Stocks						
Argentina	65	65	89	51	96	96
Australia	93	143	419	139	118	89
Brazil	10	16	68	23	63	63
Canada	693	947	703	784	744	744
European Union	770	690	637	629	684	684
Kazakhstan	33	27	75	75	75	75
Russia	289	199	147	163	158	158
Others	223	264	336	325	278	278
Subtotal	2,176	2,351	2,474	2,189	2,216	2,187
United States	780	824	731	595	525	525
World Total	2,956	3,175	3,205	2,784	2,741	2,712

Regional Oats Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2014/15	2015/16	2016/17	2017/18	Nov 2018/19	Dec 2018/19
TY Imports						
North America	1,875	1,626	1,667	1,676	1,710	1,710
South America	30	48	31	45	40	40
European Union - 28	4	9	3	4	5	5
Other Europe	62	53	63	75	65	65
Former Soviet Union - 12	1	4	11	5	5	5
Middle East	4	0	0	5	5	5
North Africa	24	31	15	9	27	27
Sub-Saharan Africa	46	31	24	25	20	20
East Asia	238	243	350	585	475	225
South Asia	24	31	25	25	25	25
Oceania	0	0	0	0	0	0
Total	2,308	2,076	2,189	2,454	2,377	2,127
Production						
North America	4,089	4,810	4,243	4,522	4,355	4,355
South America	1,281	1,478	2,372	1,740	2,088	2,088
European Union - 28	7,821	7,524	8,044	8,072	8,050	8,050
Other Europe	411	418	468	424	435	435
Former Soviet Union - 12	6,631	5,767	5,991	6,713	6,081	6,081
Middle East	210	250	225	250	230	230
North Africa	147	166	175	175	173	173
Sub-Saharan Africa	24	38	56	55	55	55
East Asia	257	266	291	301	306	306
South Asia	0	0	0	0	0	0
Oceania	1,233	1,329	2,309	1,154	1,082	932
Total	22,104	22,046	24,174	23,406	22,855	22,705
Domestic Consumption						
North America	4,304	4,512	4,588	4,593	4,583	4,583
South America	1,245	1,455	2,269	1,869	2,013	2,013
European Union - 28	7,730	7,400	7,950	7,900	7,650	7,850
Other Europe	479	485	510	507	491	491
Former Soviet Union - 12	6,531	5,801	5,930	6,661	6,036	6,036
Middle East	225	240	240	240	240	240
North Africa	163	197	201	182	200	200
Sub-Saharan Africa	63	72	67	80	75	75
East Asia	479	491	634	865	809	559
South Asia	24	31	25	25	25	25
Oceania	985	1,054	1,540	885	730	730
Total	22,228	21,738	23,954	23,807	22,852	22,802
Ending Stocks						
North America	1,479	1,775	1,438	1,384	1,274	1,274
South America	102	140	240	123	198	198
European Union - 28	770	690	637	629	684	684
Other Europe	46	35	53	46	55	55
Former Soviet Union - 12	397	298	316	324	304	304
Middle East	11	21	6	21	16	16
North Africa	1	1	1	3	3	3
Sub-Saharan Africa	18	15	28	28	28	28
East Asia	39	57	64	85	57	57
South Asia	0	0	0	0	0	0
Oceania	93	143	422	141	122	93
Total	2,956	3,175	3,205	2,784	2,741	2,712

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

	2014/15	2015/16	2016/17	2017/18	2018/19 Nov	2018/19 Dec
TY Exports						
Belarus	0	24	8	0	20	20
Canada	89	112	132	227	170	150
European Union	167	160	139	90	100	100
Russia	121	23	29	110	30	30
Ukraine	13	21	14	38	30	30
Others	1	0	0	0	0	0
Subtotal	391	340	322	465	350	330
United States	3	6	4	4	5	5
World Total	394	346	326	469	355	335
TY Imports						
European Union	96	39	16	137	50	50
Israel	18	12	4	15	15	15
Japan	22	16	24	21	20	20
Korea, South	4	5	4	3	5	5
Norway	6	2	4	5	10	10
Russia	5	8	4	5	25	25
Switzerland	6	4	3	2	5	5
Others	6	16	4	17	0	0
Subtotal	163	102	63	205	130	130
Unaccounted	-31	27	91	-61	25	5
United States	262	217	172	325	200	200
World Total	394	346	326	469	355	335

TY=Trade Year, see Endnotes.

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

	2014/15	2015/16	2016/17	2017/18	2018/19 Nov	2018/19 Dec
Production						
Argentina	97	61	79	86	95	95
Belarus	867	753	651	670	650	650
Canada	218	226	436	342	300	235
European Union	8,864	7,833	7,440	7,411	6,600	6,600
Russia	3,279	2,084	2,538	2,544	1,850	1,850
Turkey	300	330	300	320	320	320
Ukraine	475	394	394	510	400	400
Others	176	178	148	164	150	150
Subtotal	14,276	11,859	11,986	12,047	10,365	10,300
United States	183	295	342	246	214	214
World Total	14,459	12,154	12,328	12,293	10,579	10,514
Total Consumption						
Argentina	97	61	79	86	95	95
Australia	19	22	25	26	26	26
Belarus	850	800	700	665	650	650
Canada	134	119	180	189	160	160
European Union	8,600	7,900	7,600	7,700	6,500	6,500
Kazakhstan	65	37	33	35	35	35
Norway	46	67	23	46	52	52
Russia	3,250	2,150	2,400	2,500	2,000	1,900
Turkey	325	330	300	320	320	320
Ukraine	475	420	380	480	390	360
Others	108	91	99	99	102	102
Subtotal	13,974	12,015	11,845	12,194	10,301	10,231
United States	406	515	499	470	464	464
World Total	14,380	12,530	12,344	12,664	10,765	10,695
Ending Stocks						
Belarus	166	99	41	61	41	41
Canada	42	51	165	126	74	51
European Union	1,386	1,209	989	680	730	730
Kazakhstan	4	4	12	16	6	6
Russia	264	158	291	255	115	160
Turkey	14	14	14	14	14	14
Ukraine	106	75	77	69	49	39
Others	3	2	1	1	1	1
Subtotal	1,985	1,612	1,590	1,222	1,030	1,042
United States	15	12	18	15	14	14
World Total	2,000	1,624	1,608	1,237	1,044	1,056

Regional Rye Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2014/15	2015/16	2016/17	2017/18	Nov 2018/19	Dec 2018/19
TY Imports						
North America	262	217	172	327	200	200
South America	0	0	0	0	0	0
European Union - 28	96	39	16	137	50	50
Other Europe	12	6	8	7	15	15
Former Soviet Union - 12	5	24	7	20	25	25
Middle East	24	12	4	15	15	15
Sub-Saharan Africa	0	0	0	0	0	0
East Asia	26	21	28	24	25	25
Oceania	0	0	0	0	0	0
Total	425	319	235	530	330	330
Production						
North America	401	521	778	588	514	449
South America	106	69	91	97	107	107
European Union - 28	8,864	7,833	7,440	7,411	6,600	6,600
Other Europe	83	108	67	85	84	84
Former Soviet Union - 12	4,682	3,268	3,624	3,763	2,925	2,925
Middle East	300	330	300	320	320	320
Sub-Saharan Africa	3	3	3	3	3	3
East Asia	0	0	0	0	0	0
Oceania	20	22	25	26	26	26
Total	14,459	12,154	12,328	12,293	10,579	10,514
Domestic Consumption						
North America	540	634	679	659	624	624
South America	106	69	91	97	107	107
European Union - 28	8,600	7,900	7,600	7,700	6,500	6,500
Other Europe	97	113	74	92	99	99
Former Soviet Union - 12	4,640	3,407	3,513	3,680	3,075	2,945
Middle East	343	342	304	335	335	335
Sub-Saharan Africa	3	3	3	3	3	3
East Asia	27	22	29	24	25	25
Oceania	19	22	25	26	26	26
Total	14,375	12,512	12,318	12,616	10,794	10,664
Ending Stocks						
North America	57	63	183	141	88	65
South America	0	0	0	0	0	0
European Union - 28	1,386	1,209	989	680	730	730
Other Europe	0	0	0	0	0	0
Former Soviet Union - 12	540	336	421	401	211	246
Middle East	14	14	14	14	14	14
Sub-Saharan Africa	0	0	0	0	0	0
East Asia	3	2	1	1	1	1
Oceania	0	0	0	0	0	0
Total	2,000	1,624	1,608	1,237	1,044	1,056

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.