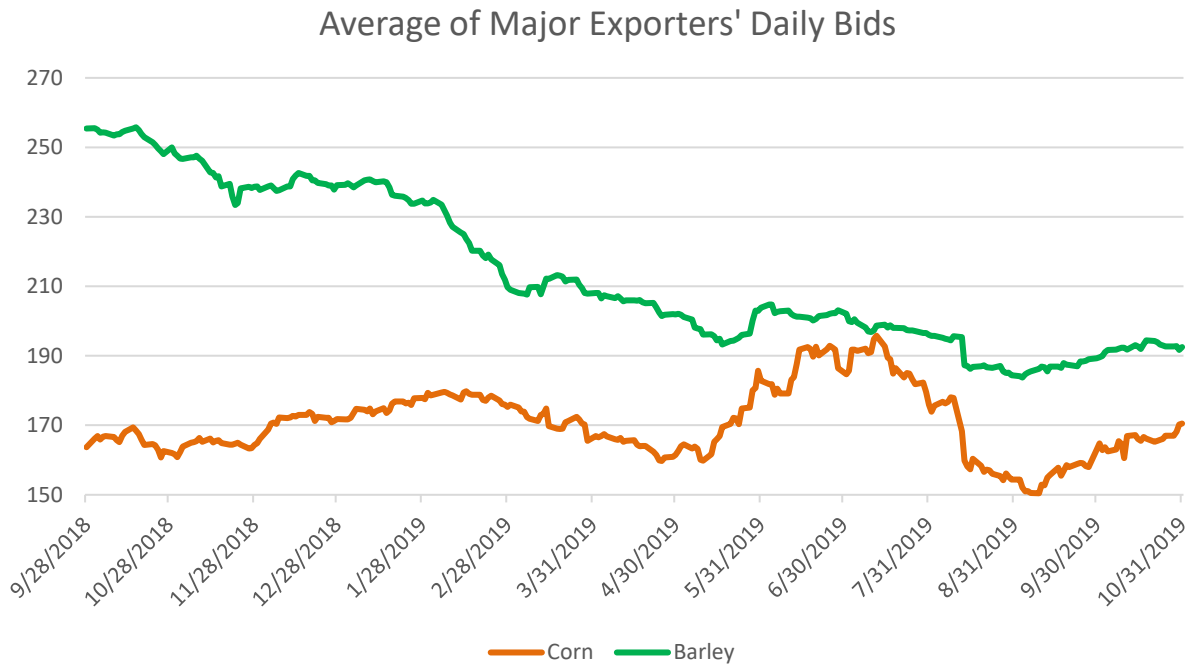


Grain: World Markets and Trade

Feed Barley's Price Gap With Corn Shrinks Dramatically



World barley production in 2019/20 is projected to be the highest since 1994/1995. As a result, exportable supplies of barley are plentiful across the globe. USDA forecasts world exports of barley in 2019/20 at 28.0 million tons, a 9 percent increase over last year and the third-highest on record. The world's major exporters of barley (Argentina, Australia, the European Union, Russia, and Ukraine) comprise 83 percent of this trade. As supply has expanded, barley is also seeing weaker global demand in the shorter term. Barley trade to both China and Saudi Arabia – the world's top two importers – is down relative to the combined high of 18.1 million tons in 2014/15.

Ample supply and flagging demand from major buyers have had a collective weakening effect on feed barley prices. The major barley exporters' bids have been averaged and compared to average corn bids¹ for analytical purposes in the chart above. In the past year, the price gap between barley and corn has narrowed from over \$80/ton in September 2018 to nearly \$20/ton by October 2019. Corn has seen its own price effects, driven by market uncertainty over U.S. crop size and weather premiums between May and August. The two grains nearly reached price parity in July but recovering market sentiments eased corn back down in the following months. In a world where exporters are seemingly fighting tooth and nail to get their corn into the hands of global customers, barley traders may continue to have difficulty finding alternative markets despite the increasing competitiveness and abundant availability of feed barley.

¹ Export bids from Argentina, Brazil, Black Sea, and the United States were averaged.

COARSE GRAINS

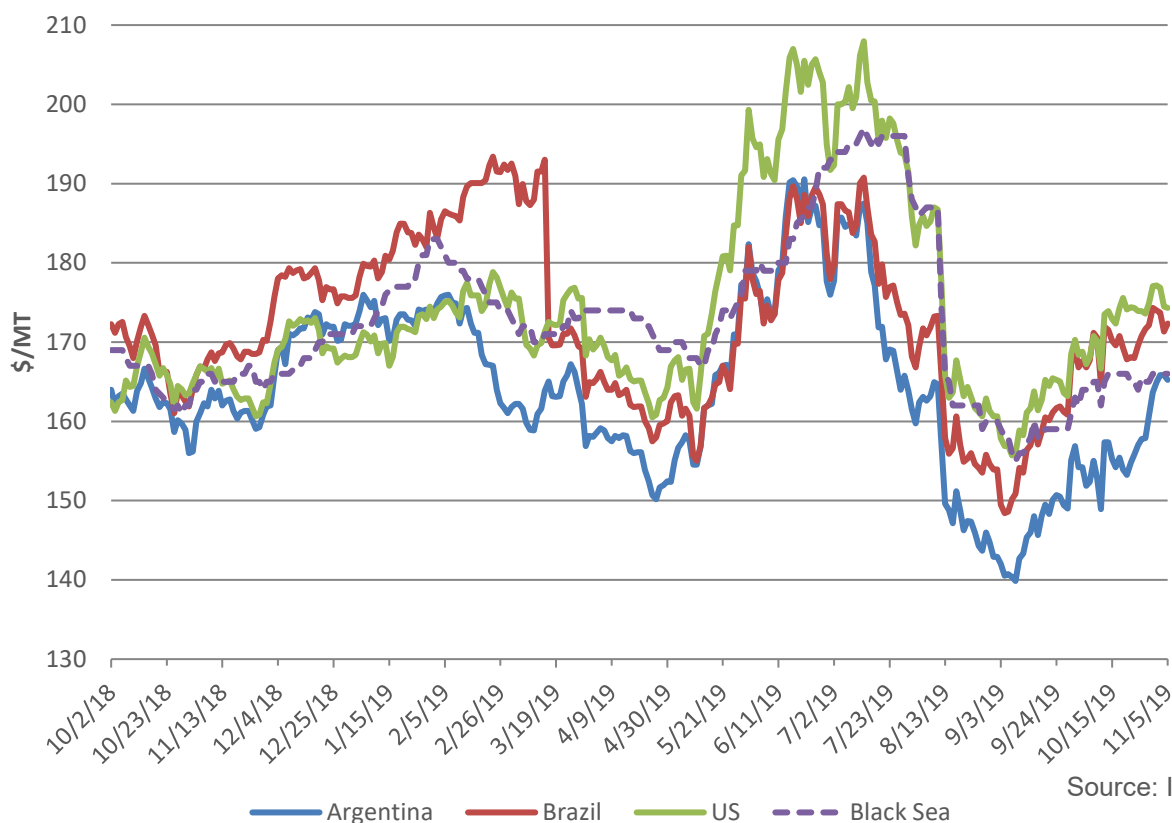
OVERVIEW FOR 2019/20

Global corn production is forecast down slightly with smaller crops for Mexico, Ukraine, and the United States more than offsetting gains for several African countries, Russia, and Turkey. Global trade is up from last month with higher imports for Colombia, Japan, South Korea, and Vietnam. Exports for Brazil and Russia are up, but down for the United States this month on slow early season sales and shipments. The U.S. season-average farm price is up \$0.05 to \$3.85 per bushel.

CORN PRICES

Global: Since the October WASDE, major exporters' bids (aside from Argentina) are little changed. U.S. bids have grown \$6/ton to \$174 reflecting continued supply uncertainty from harvest weather. Argentine bids are up \$13/ton to \$165 on speculation about potential policy changes under the newly elected government. Brazilian bids are up \$4/ton to \$172 supported by strong foreign demand. Black Sea bids hopped \$2/ton to \$166.

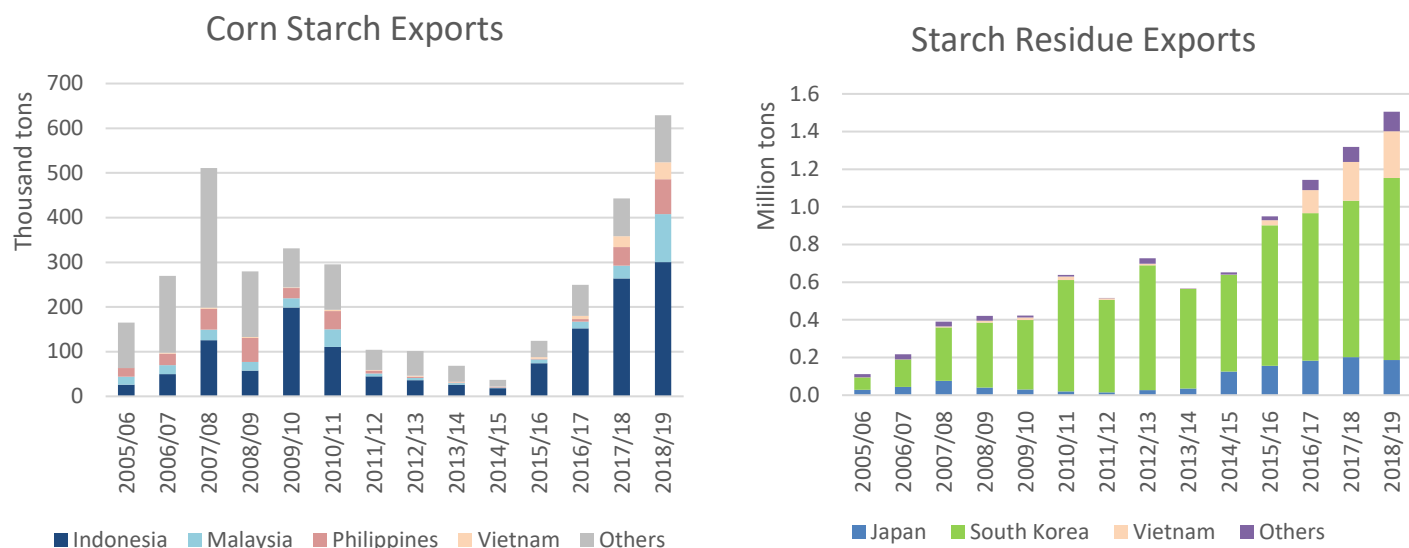
Selected Export Bids



Source: IGC

MARKET FEATURE

China's Exports for Corn Starch and Starch Residues are Robust



China has again become a leading exporter of corn starch. The growth has coincided with its policy changes – the removal of support prices and adoption of measures to boost corn use. China has ample wet-milling⁵ capacity established years ago when the government singled out corn processing as a key industry and stressed developments of value-added supply chains. Supports from the central and provincial governments in the form of discounted sales, subsidies on transportation, and VAT refunds have encouraged processing of corn. Likewise, exports of starch residues⁶ have also grown, and China has become the second-largest supplier after the United States. Corn starch is widely used for food manufacturing, textiles, and numerous industrial purposes. Residues of starch have relatively high protein contents, thus are used as a protein source in feed rations as well as in pet foods.

Major destinations for China's exports have been neighboring countries. For corn starch, Indonesia, Malaysia, the Philippines, and Vietnam have been the leading markets. For residues of starch, virtually all exports have been destined to just three countries - South Korea, Vietnam, and Japan.

China's corn exports have not been competitive over a decade because domestic prices have remained higher than world levels. However, China is well positioned for exports of the high-value corn-based products with surplus corn, ample processing capacity, supportive policies, and nearby markets that have growing demand.

⁵ The wet-milling process is primarily to extract starch by separating the corn kernel into the germ, the hull (bran), the gluten, and the starch. Starch comprises about 60-70 percent of a dry corn kernel.

⁶ HS 230310, residues of starch, which include corn gluten meal, corn gluten feed, and other residues.

TRADE CHANGES IN 2019/20 (1,000 MT)

Country	Commodity	Attribute	Previous	Current	Change	Reason
Australia	Barley	Exports	4,500	4,300	-200	Smaller crop
Brazil	Corn	Exports	35,000	38,000	3,000	Expectations for strong shipments
	Corn	Imports	1,000	1,200	200	Carryover change
China	Sorghum	Imports	700	900	200	Reflects U.S. sales
	Barley	Imports	6,500	6,300	-200	Carryover change
Colombia	Corn	Imports	5,700	6,200	500	Expectations for steady growth in feed use
Egypt	Corn	Imports	10,200	9,900	-300	Carryover change
Iran	Corn	Imports	10,500	10,000	-500	Carryover change
Japan	Corn	Imports	15,600	16,000	400	Carryover change
Korea, South	Corn	Imports	10,500	10,800	300	Carryover change
Mexico	Corn	Exports	1,500	800	-700	Smaller crop
Russia	Corn	Exports	5,200	5,700	500	Larger crop
United States	Corn	Exports	51,500	50,000	-1,500	Slow sales and shipments
	Sorghum	Exports	2,500	2,800	300	Expectations for stronger sales to Mexico and China
Vietnam	Corn	Imports	10,500	11,500	1,000	Carryover change

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

Based on trade data

Country	Commodity	Attribute	Previous	Current	Change
Argentina	Corn	Exports	32,000	32,879	879
China	Barley	Imports	5,500	5,181	-319
China	Corn	Imports	5,000	4,483	-517
Colombia	Corn	Imports	5,800	6,032	232
Egypt	Corn	Imports	9,700	9,400	-300
European Union	Barley	Exports	5,000	5,600	600
India	Corn	Imports	500	300	-200
Iran	Corn	Imports	10,000	9,000	-1,000
Japan	Corn	Imports	15,800	16,047	247
Kazakhstan	Barley	Exports	2,000	1,800	-200
Korea, South	Corn	Imports	10,500	10,856	356
Malaysia	Corn	Imports	4,000	3,800	-200
Mexico	Corn	Imports	16,700	16,396	-304
Paraguay	Corn	Exports	2,200	2,559	359
Saudi Arabia	Barley	Imports	7,200	6,200	-1,000
Serbia	Corn	Exports	2,600	2,850	250
United States	Corn	Exports	49,500	49,194	-306
Vietnam	Corn	Imports	10,200	11,000	800

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)	Russia (Oct/Sep)	European Union (Jul/Jun)	United States (Sep/Aug)
China (Jul/Jun)	South Africa (May/Apr)	Kazakhstan (Jul/Jun)	
European Union (Jul/Jun)	Ukraine (Oct/Sep)	Russia (Jul/Jun)	
India (Apr/Mar)	United States (Sep/Aug)	Ukraine (Jul/Jun)	
Kazakhstan (Sep/Aug)		United States (Jun/May)	
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 (<https://apps.fas.usda.gov/psdonline/>): go to Reports, Reference Data, and then Data Availability.

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: For further details on world grain production, please see [World Agricultural Production](#) November 2019. 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			
	2017/18	2018/19	2019/20	2017/18	2018/19	2019/20	2017/18	2018/19	2019/20	
Production										
United States	(Jun-May)	47.4	51.3	52.3	5.7	7.1	6.0	371.1	366.3	347.0
Other		714.9	680.0	713.3	489.2	492.2	491.8	708.9	758.7	755.2
World Total		762.3	731.3	765.6	494.9	499.3	497.8	1,080.0	1,125.0	1,102.2
Domestic Consumption										
United States	(Jun-May)	29.3	30.0	31.5	4.3	4.6	4.2	314.0	315.2	306.5
Other		710.6	703.1	719.5	477.4	483.6	487.4	778.2	813.1	820.2
World Total		739.9	733.1	751.0	481.7	488.2	491.6	1,092.2	1,128.3	1,126.7
Ending Stocks										
United States	(Jun-May)	29.9	29.4	27.6	0.9	1.4	1.2	54.4	53.7	48.5
Other		252.8	248.5	260.7	161.7	171.9	175.8	287.3	266.4	247.5
World Total		282.7	277.9	288.3	162.6	173.3	177.0	341.7	320.1	296.0
TY Imports										
United States	(Jun-May)	4.4	3.5	3.4	0.9	0.9	0.9	0.8	0.8	1.3
Other		175.0	166.6	173.0	44.7	41.5	42.3	148.2	162.9	166.5
World Total		179.4	170.1	176.4	45.6	42.4	43.2	149.0	163.7	167.8
TY Exports										
United States	(Jun-May)	23.2	26.1	26.0	2.8	3.0	3.1	63.7	49.2	50.0
Other		160.3	148.8	154.3	44.8	41.7	43.1	89.1	122.9	122.0
World Total		183.5	174.9	180.3	47.6	44.7	46.2	152.8	172.1	172.0

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

	2015/16	2016/17	2017/18	2018/19	2019/20 Oct	2019/20 Nov
TY Exports						
Argentina	25,291	26,105	27,064	36,185	36,605	36,705
Australia	6,389	10,258	7,156	4,355	5,125	4,875
Brazil	35,415	19,797	25,121	39,040	35,010	38,010
Canada	4,693	5,042	5,753	5,805	5,960	5,960
European Union	10,979	8,192	7,828	9,202	7,955	7,930
Kazakhstan	851	859	1,459	1,925	1,885	1,885
Paraguay	2,663	1,760	1,485	2,574	2,015	2,015
Russia	8,465	9,258	11,379	7,835	10,915	11,415
Serbia	1,594	2,449	878	2,917	2,271	2,271
Ukraine	21,456	26,868	21,392	34,568	34,935	34,935
Others	8,294	9,842	10,878	7,835	8,433	7,653
Subtotal	126,090	120,430	120,393	152,241	151,109	153,654
United States	59,178	61,822	68,644	51,804	54,105	52,905
World Total	185,268	182,252	189,037	204,045	205,214	206,559
TY Imports						
Algeria	5,224	4,533	4,492	5,260	4,620	4,620
Bangladesh	1,036	1,181	1,145	1,358	1,550	1,550
Brazil	2,123	3,177	1,527	1,797	1,750	1,950
Chile	1,721	1,580	2,000	2,444	2,720	2,720
China	17,499	16,055	16,425	10,540	14,400	14,400
Colombia	4,824	5,013	5,509	6,337	6,105	6,605
Dominican Republic	1,351	1,294	1,329	1,536	1,500	1,500
Egypt	8,795	8,795	9,541	9,601	10,220	9,920
European Union	14,490	15,633	19,323	26,165	22,005	22,005
Guatemala	1,027	951	1,091	1,202	1,400	1,400
Iran	8,300	10,000	11,600	12,300	13,700	13,200
Israel	1,509	1,940	2,145	1,875	2,340	2,340
Japan	17,073	17,000	17,580	17,726	17,370	17,770
Jordan	1,713	1,588	1,422	1,750	1,950	1,950
Kenya	258	1,146	1,041	300	1,450	1,450
Korea, South	10,213	9,308	10,192	10,964	10,610	10,910
Malaysia	4,122	3,531	3,645	3,800	4,100	4,000
Mexico	14,827	15,283	16,396	17,076	18,010	18,160
Morocco	3,182	2,632	2,648	3,053	4,202	4,202
Peru	3,083	3,438	3,458	3,831	3,760	3,760
Saudi Arabia	13,992	11,825	11,692	10,010	12,510	12,510
Taiwan	4,781	4,267	4,513	4,220	4,200	4,200
Tunisia	1,713	1,745	1,635	1,521	1,600	1,600
Turkey	714	1,712	3,313	3,254	2,805	2,705
Vietnam	8,179	8,661	9,577	11,125	10,650	11,650
Others	24,251	22,251	19,441	22,123	20,857	21,032
Subtotal	176,000	174,539	182,680	191,168	196,384	198,109
Unaccounted	5,287	4,299	3,431	10,253	5,380	5,050
United States	3,981	3,414	2,926	2,624	3,450	3,400
World Total	185,268	182,252	189,037	204,045	205,214	206,559

TY=Trade Year, see Endnotes.

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

	2015/16	2016/17	2017/18	2018/19	2019/20 Oct	2019/20 Nov
Production						
Argentina	38,439	48,569	39,320	59,227	57,729	57,629
Australia	12,550	17,267	12,191	10,934	11,496	10,996
Brazil	68,649	101,575	85,058	104,334	104,232	104,349
Canada	25,769	26,623	26,243	26,194	28,560	28,560
China	271,076	269,895	265,719	265,405	262,475	262,475
Ethiopia	15,731	15,641	16,680	16,700	16,300	17,000
European Union	152,665	152,829	152,124	147,914	158,754	158,550
India	38,698	43,466	46,943	42,971	45,950	45,950
Indonesia	10,500	10,900	11,900	12,000	12,700	12,700
Mexico	32,378	33,262	33,191	33,399	33,100	30,600
Nigeria	19,052	20,657	18,859	19,919	19,900	19,900
Russia	37,427	40,765	41,715	34,998	39,875	40,375
South Africa	8,658	18,117	13,552	12,343	14,598	14,528
Turkey	14,181	10,776	12,271	13,251	14,301	14,451
Ukraine	33,387	39,217	34,071	44,503	46,200	46,040
Others	157,484	166,842	166,992	174,781	166,860	169,960
Subtotal	936,644	1,016,401	976,829	1,018,873	1,033,030	1,034,063
United States	367,007	402,607	384,387	379,930	363,654	360,823
World Total	1,303,651	1,419,008	1,361,216	1,398,803	1,396,684	1,394,886
Domestic Consumption						
Argentina	14,221	16,044	17,613	18,345	19,659	19,459
Brazil	59,823	64,032	67,181	69,483	70,952	70,002
Canada	20,909	21,971	23,230	23,679	23,060	23,060
China	249,620	274,640	282,598	287,170	292,850	292,850
Egypt	15,803	16,027	16,779	17,136	17,638	17,758
Ethiopia	15,715	15,642	16,603	16,775	16,575	17,025
European Union	157,150	160,840	162,370	168,570	168,970	169,170
India	40,201	42,375	44,769	44,620	46,065	46,065
Iran	14,020	14,520	15,820	16,520	17,820	17,820
Japan	17,258	17,252	17,659	17,875	17,571	18,071
Mexico	44,715	46,845	48,410	50,305	51,690	50,690
Nigeria	18,990	20,303	19,550	20,169	20,200	20,200
Russia	29,715	32,075	31,015	27,267	28,375	28,775
Turkey	14,021	12,891	15,231	16,451	16,861	16,961
Vietnam	12,279	13,050	13,677	14,125	14,550	15,550
Others	250,697	259,242	261,547	266,962	268,442	272,082
Subtotal	957,908	1,054,342	1,051,546	1,094,977	1,092,553	1,095,666
United States	312,598	327,519	324,407	327,772	320,970	319,699
World Total	1,270,506	1,381,861	1,375,953	1,422,749	1,413,523	1,415,365
Ending Stocks						
Argentina	3,268	6,698	3,504	4,986	6,862	6,456
Brazil	7,010	14,492	9,672	5,485	8,592	5,522
Canada	4,971	5,562	4,567	3,941	4,513	4,513
China	212,295	223,494	222,978	211,685	196,228	195,650
European Union	15,651	15,114	16,352	13,200	17,014	16,655
Mexico	5,835	5,999	6,181	5,581	3,720	2,851
South Africa	1,323	3,942	2,909	2,147	2,552	2,392
Others	50,375	48,518	47,168	42,510	41,548	40,392
Subtotal	300,728	323,819	313,331	289,535	281,029	274,431
United States	48,112	62,168	57,919	57,769	52,982	52,394
World Total	348,840	385,987	371,250	347,304	334,011	326,825

Regional Coarse Grains Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2015/16	2016/17	2017/18	2018/19	Oct 2019/20	Nov 2019/20
TY Imports						
North America	19,914	19,475	21,159	22,520	22,492	22,592
Central America	3,938	3,799	4,001	4,265	4,550	4,550
Caribbean	2,597	2,659	2,446	2,537	2,640	2,640
South America	13,855	15,059	14,756	15,611	15,770	16,470
European Union - 28	14,490	15,633	19,323	26,165	22,005	22,005
Former Soviet Union - 12	546	827	700	1,088	909	909
Middle East	29,735	30,541	33,556	32,236	36,566	35,966
North Africa	20,819	19,468	19,246	20,935	21,842	21,542
Sub-Saharan Africa	6,057	6,667	3,223	3,561	5,196	5,266
East Asia	49,600	46,723	48,757	43,515	46,630	47,330
Southeast Asia	15,395	14,169	15,529	17,745	17,365	18,365
Others	3,035	2,933	2,910	3,614	3,869	3,874
Total	179,981	177,953	185,606	193,792	199,834	201,509
Production						
North America	425,154	462,492	443,821	439,523	425,314	419,983
South America	122,016	163,989	138,664	177,898	176,027	176,044
European Union - 28	152,665	152,829	152,124	147,914	158,754	158,550
Other Europe	9,294	11,535	7,245	10,322	10,384	10,384
Former Soviet Union - 12	82,805	92,908	88,922	92,976	99,788	100,145
Middle East	21,738	19,047	19,400	19,565	24,054	24,183
North Africa	12,269	9,163	11,463	13,257	11,334	11,334
Sub-Saharan Africa	103,781	121,034	118,783	121,339	113,049	116,783
East Asia	273,808	272,535	268,381	268,117	265,192	265,192
South Asia	50,626	56,497	59,976	56,553	59,872	59,872
Southeast Asia	31,988	34,006	34,740	35,061	36,073	36,073
Oceania	13,242	17,884	12,700	11,524	12,119	11,619
Others	4,265	5,089	4,997	4,754	4,724	4,724
Total	1,303,651	1,419,008	1,361,216	1,398,803	1,396,684	1,394,886
Domestic Consumption						
North America	378,222	396,335	396,047	401,756	395,720	393,449
South America	98,450	103,717	110,472	113,666	116,631	115,881
European Union - 28	157,150	160,840	162,370	168,570	168,970	169,170
Other Europe	8,575	9,050	7,890	8,230	8,583	8,588
Former Soviet Union - 12	53,652	56,546	54,696	50,324	52,111	52,338
Middle East	51,831	51,015	53,349	53,135	58,646	58,716
North Africa	31,981	31,040	31,665	32,527	33,245	33,515
Sub-Saharan Africa	108,904	118,342	118,888	123,986	118,317	122,045
East Asia	283,996	308,094	317,296	323,016	328,109	328,909
South Asia	53,847	56,573	60,415	60,361	62,359	62,319
Southeast Asia	43,988	45,579	47,407	48,629	50,095	51,095
Oceania	6,435	6,760	6,482	7,294	7,296	7,046
Others	10,704	11,377	11,482	11,730	12,166	12,166
Total	1,287,735	1,355,268	1,378,459	1,403,224	1,412,248	1,415,237
Ending Stocks						
North America	58,918	73,729	68,667	67,291	61,215	59,758
South America	13,605	24,662	17,014	13,805	18,709	15,258
European Union - 28	15,651	15,114	16,352	13,200	17,014	16,655
Other Europe	963	1,713	886	939	1,296	1,252
Former Soviet Union - 12	6,303	6,870	5,840	4,873	5,249	4,880
Middle East	9,156	6,232	6,701	5,292	7,790	6,445
North Africa	5,982	3,715	3,321	3,834	4,082	3,465
Sub-Saharan Africa	10,488	13,988	13,425	12,209	8,773	9,833
East Asia	216,657	227,633	227,443	215,991	200,131	199,544
South Asia	3,101	4,185	4,981	2,952	2,758	2,746
Southeast Asia	5,157	3,990	2,913	3,283	3,791	3,691
Oceania	1,619	2,746	2,391	2,447	2,329	2,377
Others	1,240	1,410	1,316	1,188	874	921
Total	348,840	385,987	371,250	347,304	334,011	326,825

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

	2015/16	2016/17	2017/18	2018/19	2019/20 Oct	2019/20 Nov
TY Exports						
Argentina	21,679	22,951	24,198	32,879	33,500	33,500
Brazil	35,382	19,794	25,116	39,002	35,000	38,000
Burma	1,050	1,500	1,350	1,400	1,400	1,400
Canada	1,767	1,544	1,973	1,719	1,500	1,500
European Union	1,953	2,189	1,749	3,300	2,000	2,000
Paraguay	2,662	1,757	1,476	2,559	2,000	2,000
Russia	4,691	5,589	5,532	3,000	5,200	5,700
Serbia	1,560	2,414	819	2,850	2,200	2,200
South Africa	759	1,816	2,361	1,183	1,500	1,500
Ukraine	16,595	21,334	18,036	30,300	30,000	30,000
Others	6,084	5,754	6,476	4,756	5,035	4,235
Subtotal	94,182	86,642	89,086	122,948	119,335	122,035
United States	51,056	55,618	63,668	49,194	51,500	50,000
World Total	145,238	142,260	152,754	172,142	170,835	172,035
TY Imports						
Algeria	4,329	3,989	4,046	4,800	4,500	4,500
Bangladesh	1,036	1,181	1,145	1,358	1,550	1,550
Brazil	1,566	2,439	943	1,189	1,000	1,200
Canada	958	686	1,767	2,771	1,000	1,000
Chile	1,539	1,484	1,893	2,292	2,600	2,600
China	3,174	2,464	3,456	4,483	7,000	7,000
Colombia	4,458	4,754	5,201	6,032	5,700	6,200
Dominican Republic	1,351	1,294	1,329	1,536	1,500	1,500
Egypt	8,722	8,773	9,464	9,400	10,200	9,900
European Union	14,008	14,973	18,465	24,800	21,000	21,000
Guatemala	1,027	951	1,091	1,202	1,400	1,400
Iran	6,600	7,800	8,900	9,000	10,500	10,000
Israel	1,156	1,539	1,861	1,600	2,000	2,000
Japan	15,204	15,169	15,668	16,047	15,600	16,000
Kenya	200	1,000	900	150	1,300	1,300
Korea, South	10,121	9,220	10,018	10,856	10,500	10,800
Malaysia	4,122	3,531	3,645	3,800	4,100	4,000
Mexico	13,957	14,614	16,129	16,396	17,500	17,500
Morocco	2,224	2,221	2,283	2,751	3,000	3,000
Peru	2,985	3,269	3,402	3,694	3,600	3,600
Saudi Arabia	3,583	3,421	3,983	3,800	4,000	4,000
Taiwan	4,656	4,163	4,410	4,100	4,100	4,100
Tunisia	1,017	1,244	961	871	1,100	1,100
Turkey	567	1,421	2,715	2,932	2,700	2,600
Vietnam	8,100	8,500	9,400	11,000	10,500	11,500
Others	19,748	17,880	15,130	16,023	16,963	17,113
Subtotal	136,408	137,980	148,205	162,883	164,913	166,463
Unaccounted	7,048	2,829	3,711	8,462	4,622	4,272
United States	1,782	1,451	838	797	1,300	1,300
World Total	145,238	142,260	152,754	172,142	170,835	172,035

TY=Trade Year, see Endnotes.

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

	2015/16	2016/17	2017/18	2018/19	2019/20 Oct	2019/20 Nov
Production						
Argentina	29,500	41,000	32,000	51,000	50,000	50,000
Brazil	67,000	98,500	82,000	101,000	101,000	101,000
Canada	13,680	13,889	14,095	13,885	14,000	14,000
China	264,992	263,613	259,071	257,330	254,000	254,000
Ethiopia	7,882	7,847	8,400	8,350	8,000	8,400
European Union	58,748	61,884	62,022	64,217	64,800	64,560
India	22,567	25,900	28,753	27,230	29,000	29,000
Indonesia	10,500	10,900	11,900	12,000	12,700	12,700
Mexico	25,971	27,575	27,569	27,600	27,000	25,000
Nigeria	10,562	11,548	10,420	11,000	11,000	11,000
Philippines	6,966	8,087	8,084	7,608	8,100	8,100
Russia	13,168	15,305	13,201	11,415	13,500	14,000
Serbia	6,000	7,600	4,000	7,000	6,750	6,750
South Africa	8,214	17,551	13,104	11,750	14,000	14,000
Ukraine	23,333	27,969	24,115	35,805	36,000	35,500
Others	100,414	103,429	110,185	111,535	104,150	107,148
Subtotal	669,497	742,597	708,919	758,725	754,000	755,158
United States	345,506	384,778	371,096	366,287	350,011	347,006
World Total	1,015,003	1,127,375	1,080,015	1,125,012	1,104,011	1,102,164
Total Consumption						
Argentina	9,300	11,200	12,400	13,800	15,000	15,000
Brazil	57,500	60,500	63,500	65,500	67,000	66,000
Canada	12,029	12,949	14,015	14,700	13,700	13,700
China	229,000	255,000	263,000	273,000	277,000	277,000
Egypt	14,850	15,100	15,900	16,200	16,700	16,700
European Union	73,500	74,000	76,500	88,000	82,500	82,500
India	23,550	24,900	26,700	28,300	29,000	29,000
Indonesia	12,100	12,300	12,400	12,900	13,400	13,400
Iran	8,800	9,300	9,800	10,300	11,400	11,400
Japan	15,200	15,200	15,600	16,000	15,600	16,100
Korea, South	10,123	9,435	10,000	10,850	10,600	10,900
Mexico	37,300	40,400	42,500	43,900	45,200	44,300
Nigeria	10,600	11,400	11,100	11,300	11,400	11,400
South Africa	10,970	12,663	12,230	12,200	12,300	12,300
Vietnam	12,200	12,900	13,500	14,000	14,400	15,400
Others	165,840	171,013	179,095	182,194	182,051	185,094
Subtotal	683,795	773,250	776,472	831,474	817,755	819,803
United States	298,845	313,828	313,981	315,198	307,735	306,466
World Total	982,640	1,087,078	1,090,453	1,146,672	1,125,490	1,126,269
Ending Stocks						
Argentina	1,448	5,273	2,407	3,612	5,590	5,117
Brazil	6,769	14,019	9,280	5,080	8,280	5,080
Canada	2,450	2,574	2,417	2,579	2,379	2,379
China	212,017	223,017	222,525	211,319	195,815	195,299
European Union	6,929	7,597	9,835	7,552	8,852	8,612
Mexico	5,159	5,409	5,649	4,945	3,049	2,345
South Africa	1,096	3,695	2,672	1,822	2,272	2,122
Others	31,871	32,322	32,569	29,443	27,318	26,475
Subtotal	267,739	293,906	287,354	266,352	253,555	247,429
United States	44,123	58,253	54,367	53,709	48,993	48,527
World Total	311,862	352,159	341,721	320,061	302,548	295,956

Regional Corn Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2015/16	2016/17	2017/18	2018/19	Oct 2019/20	Nov 2019/20
TY Imports						
North America	16,697	16,751	18,734	19,964	19,800	19,800
Central America	3,938	3,799	4,001	4,265	4,550	4,550
South America	12,462	13,719	13,566	14,293	14,245	14,945
European Union - 28	14,008	14,973	18,465	24,800	21,000	21,000
Former Soviet Union - 12	356	367	440	600	453	453
Middle East	14,890	16,944	20,417	20,018	22,200	21,600
North Africa	16,873	16,906	17,246	18,522	19,400	19,100
Sub-Saharan Africa	5,408	5,902	2,416	2,724	4,303	4,353
East Asia	33,189	31,109	33,599	35,551	37,250	37,950
Southeast Asia	15,281	13,968	15,183	17,374	17,005	18,005
Caribbean	2,597	2,657	2,446	2,535	2,640	2,640
Others	2,491	2,336	2,530	3,034	3,367	3,367
Total	138,190	139,431	149,043	163,680	166,213	167,763
Production						
North America	385,157	426,242	412,760	407,772	391,011	386,006
South America	108,837	150,633	125,846	163,788	162,521	162,521
European Union - 28	58,748	61,884	62,022	64,217	64,800	64,560
Other Europe	7,447	9,452	5,376	8,663	8,370	8,370
Former Soviet Union - 12	40,267	47,988	42,271	52,539	54,430	54,435
Middle East	7,789	7,283	7,028	7,457	7,753	8,012
North Africa	6,096	6,130	6,523	6,951	6,521	6,521
Sub-Saharan Africa	63,836	75,025	76,337	74,266	69,593	72,727
East Asia	267,431	265,949	261,417	259,739	256,407	256,407
South Asia	33,218	37,764	40,797	39,894	41,821	41,821
Central America	3,336	3,911	3,878	3,598	3,598	3,598
Southeast Asia	31,693	33,716	34,450	34,771	35,783	35,783
Others	1,148	1,398	1,310	1,357	1,403	1,403
Total	1,015,003	1,127,375	1,080,015	1,125,012	1,104,011	1,102,164
Domestic Consumption						
North America	348,174	367,177	370,496	373,798	366,635	364,466
South America	87,971	92,273	98,398	102,111	104,880	104,280
European Union - 28	73,500	74,000	76,500	88,000	82,500	82,500
Other Europe	6,542	6,947	5,857	6,300	6,465	6,465
Former Soviet Union - 12	19,687	20,681	19,265	19,612	19,553	19,043
Middle East	23,522	24,513	27,036	27,435	29,190	29,290
North Africa	22,990	23,290	24,400	24,600	25,900	26,000
Sub-Saharan Africa	68,187	72,597	75,298	76,718	73,778	76,771
East Asia	260,967	286,087	295,227	306,615	309,950	310,750
South Asia	35,634	37,897	41,226	43,072	44,135	44,095
Southeast Asia	43,584	45,097	46,777	47,969	49,450	50,450
Central America	7,180	7,540	7,830	8,050	8,340	8,340
Others	3,769	3,989	3,911	4,062	4,210	4,210
Total	1,001,707	1,062,088	1,092,221	1,128,342	1,124,986	1,126,660
Ending Stocks						
North America	51,732	66,236	62,433	61,233	54,421	53,251
South America	11,209	22,447	15,260	11,725	16,818	13,171
European Union - 28	6,929	7,597	9,835	7,552	8,852	8,612
Other Europe	849	1,464	689	756	1,080	1,036
Former Soviet Union - 12	2,638	3,110	2,489	2,032	1,697	1,712
Middle East	2,729	2,325	2,675	2,550	3,627	2,682
North Africa	2,988	2,555	2,462	2,549	2,836	2,160
Sub-Saharan Africa	7,967	11,019	11,224	9,666	7,109	7,825
East Asia	215,956	226,775	226,575	215,231	199,331	198,818
South Asia	2,388	3,149	3,767	2,220	2,019	1,976
Southeast Asia	5,151	3,979	2,902	3,272	3,780	3,680
Central America	889	1,056	1,056	929	704	722
Others	437	447	354	346	274	311
Total	311,862	352,159	341,721	320,061	302,548	295,956

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

	2015/16	2016/17	2017/18	2018/19	2019/20 Oct	2019/20 Nov
TY Exports						
Argentina	2,836	2,696	2,537	3,001	3,000	3,000
Australia	5,401	9,192	6,088	4,000	4,500	4,300
Canada	1,147	1,809	1,868	2,269	2,500	2,500
European Union	8,644	5,683	5,857	5,600	5,600	5,600
Kazakhstan	776	821	1,411	1,800	1,800	1,800
Russia	3,735	3,626	5,661	4,500	5,600	5,600
Serbia	33	33	57	65	70	70
Turkey	0	14	11	16	100	100
Ukraine	4,673	5,337	3,188	4,100	4,800	4,800
Uruguay	42	111	12	70	100	100
Others	111	168	105	85	68	68
Subtotal	27,398	29,490	26,795	25,506	28,138	27,938
United States	161	125	102	101	70	70
World Total	27,559	29,615	26,897	25,607	28,208	28,008
TY Imports						
Belarus	7	113	54	200	150	150
Brazil	551	737	584	608	750	750
China	5,869	8,104	8,144	5,181	6,500	6,300
Colombia	301	258	251	300	350	350
European Union	315	447	231	450	500	500
India	67	325	89	140	200	200
Iran	1,700	2,200	2,700	3,300	3,200	3,200
Israel	319	376	234	220	300	300
Japan	1,154	1,197	1,253	1,158	1,200	1,200
Jordan	902	759	788	950	1,100	1,100
Kuwait	511	569	521	450	400	400
Lebanon	132	262	199	150	200	200
Libya	1,324	1,084	438	800	600	600
Morocco	958	407	363	300	1,200	1,200
Peru	98	169	56	127	150	150
Saudi Arabia	10,400	8,400	7,700	6,200	8,500	8,500
Thailand	19	21	147	206	200	200
Tunisia	696	501	674	650	500	500
United Arab Emirates	668	501	263	500	500	500
Vietnam	79	161	177	125	150	150
Others	2,011	1,931	1,812	1,812	876	881
Subtotal	28,081	28,522	26,678	23,827	27,526	27,331
Unaccounted	-874	876	49	1,646	482	527
United States	352	217	170	134	200	150
World Total	27,559	29,615	26,897	25,607	28,208	28,008

TY=Trade Year, see Endnotes.

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

	2015/16	2016/17	2017/18	2018/19	2019/20 Oct	2019/20 Nov
Production						
Algeria	1,300	1,000	968	1,950	2,050	2,050
Argentina	4,940	3,300	3,740	5,060	4,800	4,700
Australia	8,993	13,506	9,254	8,310	8,600	8,400
Canada	8,257	8,839	7,891	8,380	9,900	9,900
China	1,411	1,192	1,085	1,850	1,950	1,950
Ethiopia	2,047	2,025	2,032	2,200	2,300	2,300
European Union	62,095	59,866	58,654	55,898	61,644	61,800
India	1,613	1,438	1,747	1,781	1,750	1,750
Iran	3,200	3,724	3,100	2,800	3,600	3,600
Iraq	1,550	1,550	975	780	1,600	1,600
Kazakhstan	2,675	3,231	3,305	3,971	3,900	3,900
Russia	17,083	17,547	20,211	16,737	20,000	20,000
Syria	637	720	777	400	2,000	2,000
Turkey	7,400	4,750	6,400	7,000	8,000	7,900
Ukraine	8,751	9,874	8,695	7,604	9,200	9,500
Others	12,755	10,190	11,178	11,523	10,774	10,793
Subtotal	144,707	142,752	140,012	136,244	152,068	152,143
United States	4,750	4,353	3,119	3,343	3,731	3,692
World Total	149,457	147,105	143,131	139,587	155,799	155,835
Total Consumption						
Algeria	2,150	2,050	1,850	2,000	2,050	2,100
Argentina	1,400	1,100	1,400	1,500	1,700	1,700
Australia	3,300	3,500	3,700	4,200	4,200	4,200
Canada	6,960	6,760	6,799	6,500	6,900	6,900
China	7,500	9,200	9,300	7,000	8,500	8,300
Ethiopia	1,990	2,025	2,225	2,225	2,325	2,325
European Union	51,400	55,100	54,000	51,600	54,700	54,900
India	1,520	1,650	1,950	1,900	1,950	1,950
Iran	5,200	5,200	6,000	6,200	6,400	6,400
Kazakhstan	2,000	2,200	2,150	2,200	2,200	2,200
Morocco	3,200	2,400	2,800	2,900	2,400	2,400
Russia	13,700	14,700	14,500	12,200	13,700	14,100
Saudi Arabia	10,225	9,825	8,525	7,025	8,525	8,525
Turkey	6,900	5,500	6,700	7,500	7,900	7,900
Ukraine	4,300	4,900	4,500	4,100	4,300	4,600
Others	19,098	19,010	16,867	17,106	19,566	19,753
Subtotal	142,901	146,143	142,728	137,297	147,764	148,520
United States	4,408	4,375	3,466	3,537	3,659	3,658
World Total	147,309	150,518	146,194	140,834	151,423	152,178
Ending Stocks						
Argentina	803	447	388	948	897	948
Australia	1,068	1,884	1,776	1,886	1,786	1,786
Canada	1,523	2,120	1,250	877	1,397	1,397
European Union	5,924	5,421	4,627	4,166	5,959	5,966
Russia	729	839	750	640	1,390	990
Saudi Arabia	4,059	2,344	1,829	1,314	1,599	1,299
Ukraine	1,609	1,237	1,149	1,110	1,215	1,215
Others	7,929	5,846	5,565	5,319	6,235	6,173
Subtotal	23,644	20,138	17,334	16,260	20,478	19,774
United States	2,223	2,316	2,057	1,884	2,109	2,027
World Total	25,867	22,454	19,391	18,144	22,587	21,801

Regional Barley Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2015/16	2016/17	2017/18	2018/19	2019/20	Oct 2019/20	Nov 2019/20
TY Imports							
North America	615	293	227	182	230		180
South America	1,133	1,249	1,009	1,153	1,310		1,310
European Union - 28	315	447	231	450	500		500
Other Europe	81	124	80	174	90		95
Former Soviet Union - 12	162	442	229	430	400		400
Middle East	14,798	13,563	13,077	12,152	14,310		14,310
North Africa	3,914	2,542	1,990	2,410	2,420		2,420
Sub-Saharan Africa	40	112	49	35	40		40
East Asia	7,136	9,413	9,499	6,459	7,825		7,625
South Asia	134	341	114	171	226		226
Oceania	7	31	19	14	25		25
Total	28,433	28,739	26,848	23,961	27,726		27,481
Production							
North America	13,742	14,170	12,015	12,719	14,641		14,602
South America	5,925	4,714	4,820	6,427	6,218		6,185
European Union - 28	62,095	59,866	58,654	55,898	61,644		61,800
Other Europe	1,258	1,451	1,290	1,253	1,407		1,407
Former Soviet Union - 12	32,491	34,150	35,550	31,247	36,462		36,774
Middle East	12,880	10,831	11,333	11,061	15,283		15,183
North Africa	5,266	2,156	4,041	5,378	3,908		3,908
Sub-Saharan Africa	2,549	2,562	2,537	2,822	2,895		2,835
East Asia	1,700	1,492	1,397	2,149	2,256		2,256
South Asia	2,121	1,843	1,942	1,945	2,105		2,105
Oceania	9,430	13,870	9,552	8,688	8,980		8,780
Total	149,457	147,105	143,131	139,587	155,799		155,835
Domestic Consumption							
North America	12,293	12,085	11,275	11,087	11,659		11,658
South America	3,523	3,442	3,668	3,923	4,248		4,298
European Union - 28	51,400	55,100	54,000	51,600	54,700		54,900
Other Europe	1,373	1,451	1,354	1,343	1,392		1,397
Former Soviet Union - 12	23,861	25,442	24,576	21,768	23,803		24,515
Middle East	27,160	25,523	25,226	24,587	28,377		28,377
North Africa	8,053	6,847	6,359	6,996	6,418		6,588
Sub-Saharan Africa	2,565	2,615	2,753	2,790	2,940		2,940
East Asia	9,082	10,846	10,934	8,595	10,150		9,950
South Asia	2,093	2,073	2,213	2,088	2,338		2,338
Oceania	3,750	3,900	4,050	4,585	4,600		4,600
Total	145,251	149,495	146,732	139,693	150,975		151,911
Ending Stocks							
North America	4,132	4,851	3,722	3,132	3,797		3,715
South America	1,128	832	699	1,328	1,308		1,375
European Union - 28	5,924	5,421	4,627	4,166	5,959		5,966
Other Europe	79	167	135	133	165		165
Former Soviet Union - 12	2,971	2,952	2,559	2,383	3,172		2,773
Middle East	6,392	3,887	3,996	2,712	4,138		3,738
North Africa	2,945	1,106	802	1,228	1,189		1,248
Sub-Saharan Africa	436	488	308	375	318		310
East Asia	445	504	466	479	441		410
South Asia	275	293	253	271	258		259
Oceania	1,140	1,942	1,813	1,926	1,831		1,831
Total	25,867	22,454	19,391	18,144	22,587		21,801

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

	2015/16	2016/17	2017/18	2018/19	2019/20 Oct	2019/20 Nov
TY Exports						
Argentina	772	457	329	300	100	200
Australia	717	542	449	100	250	200
China	23	34	43	49	40	40
Ethiopia	75	75	75	75	50	75
India	74	24	123	60	50	50
Nigeria	50	100	100	100	100	100
Ukraine	119	164	123	100	75	75
Others	133	311	306	195	110	105
Subtotal	1,963	1,707	1,548	979	775	845
United States	7,918	6,031	4,839	2,479	2,500	2,800
World Total	9,881	7,738	6,387	3,458	3,275	3,645
TY Imports						
Chile	134	54	73	100	100	100
China	8,284	5,209	4,436	652	700	900
Colombia	64	0	56	0	50	50
European Union	119	194	486	675	400	400
Japan	649	561	594	452	500	500
Kenya	54	146	141	150	150	150
Mexico	661	548	98	550	400	550
South Africa	83	82	27	59	30	50
South Sudan	19	36	148	100	150	150
Sudan	200	120	150	160	200	200
Others	596	364	513	532	429	429
Subtotal	10,863	7,314	6,722	3,430	3,109	3,479
Unaccounted	-1,080	380	-386	27	166	166
United States	98	44	51	1	0	0
World Total	9,881	7,738	6,387	3,458	3,275	3,645

TY=Trade Year, see Endnotes.

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

	2015/16	2016/17	2017/18	2018/19	2019/20 Oct	2019/20 Nov
Production						
Argentina	3,375	3,400	3,000	2,500	2,500	2,500
Australia	1,791	994	1,257	1,278	1,400	1,100
Brazil	1,032	1,865	2,136	2,177	2,050	2,100
Burkina	1,436	1,663	1,366	1,930	1,800	1,800
Cameroon	1,217	1,339	1,352	1,200	1,400	1,200
Chad	835	991	946	988	950	950
China	2,203	2,235	2,465	3,450	3,600	3,600
Ethiopia	4,766	4,752	5,170	5,150	5,000	5,200
European Union	674	632	660	737	815	820
India	4,238	4,568	4,803	3,760	4,500	4,500
Mali	1,527	1,394	1,424	1,470	1,300	1,300
Mexico	5,587	4,638	4,545	4,700	5,000	4,500
Niger	1,918	1,808	1,945	2,100	1,800	1,900
Nigeria	7,005	7,556	6,939	6,800	6,900	6,900
Sudan	2,744	6,466	3,743	4,953	4,000	4,000
Others	7,025	6,804	7,059	7,347	6,926	7,074
Subtotal	47,373	51,105	48,810	50,540	49,941	49,444
United States	15,158	12,199	9,192	9,271	8,855	9,084
World Total	62,531	63,304	58,002	59,811	58,796	58,528
Total Consumption						
Argentina	2,900	2,900	3,200	2,400	2,500	2,300
Australia	905	675	800	1,150	1,150	900
Brazil	1,150	1,700	2,100	2,200	2,100	2,100
Burkina	1,465	1,640	1,400	1,800	1,800	1,800
Cameroon	1,232	1,369	1,367	1,225	1,425	1,225
Chad	850	950	1,000	1,000	1,000	1,000
China	10,500	7,400	6,900	4,100	4,200	4,400
Ethiopia	4,700	4,700	5,000	5,100	5,000	5,100
European Union	800	790	970	1,520	1,220	1,220
India	4,600	4,500	4,600	3,800	4,400	4,400
Mali	1,500	1,400	1,450	1,500	1,400	1,400
Mexico	6,300	5,300	4,700	5,100	5,200	5,100
Niger	2,000	2,000	1,850	2,100	1,950	2,050
Nigeria	6,905	7,350	6,950	6,750	6,800	6,800
Sudan	3,100	5,950	4,400	4,900	4,250	4,450
Others	8,370	7,721	8,261	8,346	8,178	8,301
Subtotal	56,947	56,708	54,575	52,965	52,779	52,706
United States	6,130	6,283	4,119	6,189	6,604	6,604
World Total	63,077	62,991	58,694	59,154	59,383	59,310
Ending Stocks						
Argentina	952	889	653	353	337	353
Australia	233	272	273	251	251	251
Brazil	51	215	250	194	76	189
Ethiopia	576	569	670	665	531	710
India	151	196	274	174	224	224
Mexico	286	172	113	263	378	213
Sudan	557	993	386	549	151	294
Others	1,401	1,294	1,254	1,349	1,108	1,096
Subtotal	4,207	4,600	3,873	3,798	3,056	3,330
United States	930	850	885	1,617	1,328	1,303
World Total	5,137	5,450	4,758	5,415	4,384	4,633

Regional Sorghum Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2015/16	2016/17	2017/18	2018/19	Oct 2019/20	Nov 2019/20
TY Imports						
North America	759	592	149	551	400	550
South America	212	60	135	125	175	175
European Union - 28	119	194	486	675	400	400
Other Europe	0	0	0	0	0	0
Middle East	34	30	41	51	31	31
North Africa	1	5	1	0	0	0
Sub-Saharan Africa	578	629	719	779	813	833
East Asia	9,011	5,823	5,156	1,178	1,255	1,455
Southeast Asia	16	19	22	40	10	10
Others	231	6	64	32	25	25
Total	10,961	7,358	6,773	3,431	3,109	3,479
Production						
North America	20,745	16,837	13,737	13,971	13,855	13,584
Central America	284	308	281	272	272	272
Caribbean	123	118	91	106	91	91
South America	5,682	6,159	6,142	5,750	5,591	5,641
European Union - 28	674	632	660	737	815	820
Middle East	430	356	410	440	410	390
North Africa	755	752	754	755	755	755
Sub-Saharan Africa	25,197	29,869	27,013	28,906	27,195	27,463
East Asia	2,205	2,237	2,467	3,452	3,602	3,602
South Asia	4,399	4,717	4,957	3,900	4,640	4,640
Southeast Asia	55	50	50	50	50	50
Oceania	1,791	994	1,257	1,278	1,400	1,100
Others	191	275	183	194	120	120
Total	62,531	63,304	58,002	59,811	58,796	58,528
Domestic Consumption						
North America	12,430	11,583	8,819	11,289	11,804	11,704
Central America	292	308	281	275	275	275
Caribbean	123	120	91	108	91	91
South America	5,409	5,623	6,427	5,712	5,796	5,596
European Union - 28	800	790	970	1,520	1,220	1,220
Middle East	508	383	447	491	441	421
North Africa	755	752	754	755	755	755
Sub-Saharan Africa	25,830	29,541	27,898	29,101	28,198	28,541
East Asia	11,233	8,017	7,622	4,628	4,757	4,957
South Asia	4,981	4,665	4,817	3,967	4,565	4,565
Southeast Asia	66	71	66	89	55	55
Oceania	905	675	800	1,150	1,150	900
Others	75	100	75	95	70	70
Total	63,407	62,628	59,067	59,180	59,177	59,150
Ending Stocks						
North America	1,216	1,022	998	1,880	1,706	1,516
Central America	17	17	12	9	6	6
South America	1,128	1,143	933	628	479	608
European Union - 28	16	24	132	101	98	96
Middle East	0	0	0	0	0	0
North Africa	48	53	54	54	54	54
Sub-Saharan Africa	2,070	2,453	1,869	2,153	1,319	1,678
East Asia	192	199	157	110	217	170
South Asia	151	196	274	174	224	224
Oceania	233	272	273	251	251	251
Others	66	71	56	55	30	30
Total	5,137	5,450	4,758	5,415	4,384	4,633

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

	2015/16	2016/17	2017/18	2018/19	2019/20 Oct	2019/20 Nov
TY Exports						
Australia	214	455	550	210	300	300
Canada	1,667	1,557	1,685	1,665	1,800	1,800
Chile	26	27	34	40	40	40
European Union	220	179	128	115	150	125
Kazakhstan	5	12	10	30	25	25
Russia	16	14	34	135	90	90
Ukraine	48	19	7	8	10	10
Others	11	5	6	12	11	11
Subtotal	2,207	2,268	2,454	2,215	2,426	2,401
United States	37	44	31	26	30	30
World Total	2,244	2,312	2,485	2,241	2,456	2,431
TY Imports						
Algeria	31	11	7	1	20	20
Belarus	0	0	3	30	30	30
Bosnia and Herzegovina	4	6	5	3	5	5
Canada	17	18	12	9	10	10
China	172	278	389	224	200	200
Colombia	1	1	1	5	5	5
Ecuador	38	21	39	30	30	30
European Union	9	3	4	15	5	5
India	31	25	19	20	15	15
Japan	50	49	44	46	50	50
Korea, South	21	23	46	31	25	25
Mexico	77	119	168	120	100	100
Norway	7	3	21	93	50	50
South Africa	31	24	39	23	40	40
Switzerland	41	54	49	51	50	50
Others	15	24	9	10	17	17
Subtotal	545	659	855	711	652	652
Unaccounted	167	123	87	132	104	79
United States	1,532	1,530	1,543	1,398	1,700	1,700
World Total	2,244	2,312	2,485	2,241	2,456	2,431

TY=Trade Year, see Endnotes.

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

	2015/16	2016/17	2017/18	2018/19	2019/20 Oct	2019/20 Nov
Production						
Algeria	110	110	110	110	110	110
Argentina	553	785	492	572	350	350
Australia	1,300	2,266	1,227	888	1,000	1,000
Belarus	492	390	500	342	450	450
Brazil	351	828	634	795	825	825
Canada	3,425	3,231	3,733	3,436	4,000	4,000
Chile	533	713	573	385	385	385
China	350	525	550	575	625	625
European Union	7,524	8,044	8,058	7,715	8,095	7,920
Kazakhstan	244	335	285	336	340	340
Mexico	85	71	72	103	90	90
Norway	286	359	283	144	300	300
Russia	4,527	4,750	5,448	4,715	4,300	4,300
Turkey	250	225	250	230	230	230
Ukraine	498	510	481	423	430	430
Others	293	309	285	335	302	302
Subtotal	20,821	23,451	22,981	21,104	21,832	21,657
United States	1,298	938	720	815	787	771
World Total	22,119	24,389	23,701	21,919	22,619	22,428
Total Consumption						
Algeria	141	132	117	111	130	130
Argentina	550	760	525	550	380	380
Australia	1,025	1,500	900	700	700	700
Belarus	500	400	500	375	475	475
Brazil	345	775	675	775	805	805
Canada	1,620	1,854	2,035	2,080	2,000	2,000
Chile	495	655	575	375	345	345
China	500	710	850	870	850	850
European Union	7,400	7,950	7,900	7,850	7,850	7,750
Kazakhstan	245	274	275	315	315	315
Mexico	190	195	200	255	190	190
Norway	296	315	320	250	350	350
Russia	4,600	4,800	5,400	4,700	4,200	4,200
Turkey	240	240	240	230	240	240
Ukraine	450	450	480	450	430	430
Others	506	507	539	566	524	524
Subtotal	19,195	21,709	21,670	20,506	19,950	19,825
United States	2,700	2,537	2,358	2,329	2,407	2,406
World Total	21,895	24,246	24,028	22,835	22,357	22,231
Ending Stocks						
Australia	143	419	196	174	134	174
Brazil	16	68	23	38	53	53
Canada	947	703	784	417	627	627
China	59	152	241	170	141	145
European Union	690	637	613	386	486	436
Kazakhstan	27	75	75	68	67	68
Russia	199	147	167	60	73	70
Others	275	391	302	218	187	182
Subtotal	2,356	2,592	2,401	1,531	1,768	1,755
United States	824	731	595	549	537	522
World Total	3,180	3,323	2,996	2,080	2,305	2,277

Regional Oats Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2015/16	2016/17	2017/18	2018/19	Oct 2019/20	Nov 2019/20
TY Imports						
North America	1,626	1,667	1,723	1,527	1,810	1,810
South America	48	31	46	40	40	40
European Union - 28	9	3	4	15	5	5
Other Europe	53	63	76	149	110	110
Former Soviet Union - 12	4	11	3	31	30	30
Middle East	1	0	0	0	5	5
North Africa	31	15	9	3	22	22
Sub-Saharan Africa	31	24	39	23	40	40
East Asia	243	350	479	301	275	275
South Asia	31	25	19	20	15	15
Oceania	0	0	0	0	0	0
Total	2,077	2,189	2,398	2,109	2,352	2,352
Production						
North America	4,808	4,240	4,525	4,354	4,877	4,861
South America	1,478	2,372	1,742	1,810	1,591	1,591
European Union - 28	7,524	8,044	8,058	7,715	8,095	7,920
Other Europe	421	502	426	293	451	451
Former Soviet Union - 12	5,768	5,990	6,719	5,822	5,526	5,526
Middle East	250	225	250	230	230	230
North Africa	152	125	145	173	150	150
Sub-Saharan Africa	38	56	23	33	40	40
East Asia	351	526	551	576	626	626
South Asia	0	0	0	0	0	0
Oceania	1,329	2,309	1,262	913	1,033	1,033
Total	22,119	24,389	23,701	21,919	22,619	22,428
Domestic Consumption						
North America	4,510	4,586	4,593	4,664	4,597	4,596
South America	1,453	2,268	1,865	1,797	1,601	1,601
European Union - 28	7,400	7,950	7,900	7,850	7,850	7,750
Other Europe	487	514	519	454	559	559
Former Soviet Union - 12	5,802	5,929	6,660	5,846	5,426	5,426
Middle East	240	240	240	230	240	240
North Africa	183	151	152	176	172	172
Sub-Saharan Africa	72	67	66	65	75	75
East Asia	571	784	940	951	926	926
South Asia	31	25	19	20	15	15
Oceania	1,054	1,540	935	728	730	730
Total	21,803	24,054	23,889	22,781	22,191	22,090
Ending Stocks						
North America	1,775	1,437	1,383	968	1,166	1,151
South America	140	240	122	124	104	104
European Union - 28	690	637	613	386	486	436
Other Europe	35	82	62	50	51	51
Former Soviet Union - 12	298	316	330	174	179	179
Middle East	21	6	16	16	11	11
North Africa	1	1	3	3	3	3
Sub-Saharan Africa	15	28	24	15	27	20
East Asia	62	154	244	170	141	145
South Asia	0	0	0	0	0	0
Oceania	143	422	199	174	137	177
Total	3,180	3,323	2,996	2,080	2,305	2,277

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

	2015/16	2016/17	2017/18	2018/19	2019/20 Oct	2019/20 Nov
TY Exports						
Albania	0	0	0	0	0	0
Canada	112	132	227	152	160	160
European Union	160	139	92	180	200	200
Russia	23	29	152	200	25	25
Ukraine	21	14	38	60	50	50
Others	24	9	1	1	0	0
Subtotal	340	323	510	593	435	435
United States	6	4	4	4	5	5
World Total	346	327	514	597	440	440
TY Imports						
Belarus	0	3	28	25	25	25
European Union	39	16	137	225	100	100
Israel	12	4	21	15	20	20
Japan	16	24	21	23	20	20
Korea, South	5	4	3	3	5	5
Norway	2	4	5	19	5	5
Switzerland	4	3	2	2	5	5
Others	25	6	3	5	4	4
Subtotal	103	64	220	317	184	184
Unaccounted	26	91	-30	-14	6	6
United States	217	172	324	294	250	250
World Total	346	327	514	597	440	440

TY=Trade Year, see Endnotes.

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

	2015/16	2016/17	2017/18	2018/19	2019/20 Oct	2019/20 Nov
Production						
Argentina	61	79	86	87	75	75
Belarus	753	651	670	503	650	650
Canada	226	436	342	236	400	400
European Union	7,833	7,440	7,405	6,205	8,000	7,950
Russia	2,084	2,538	2,540	1,914	1,600	1,600
Turkey	330	300	320	320	320	320
Ukraine	394	394	510	396	300	340
Others	186	155	176	122	166	166
Subtotal	11,867	11,993	12,049	9,783	11,511	11,501
United States	295	339	260	214	270	270
World Total	12,162	12,332	12,309	9,997	11,781	11,771
Total Consumption						
Argentina	61	79	86	87	75	75
Australia	30	29	30	30	30	30
Belarus	800	700	665	550	675	675
Canada	119	180	199	142	200	200
European Union	7,900	7,600	7,700	6,500	7,400	7,400
Kazakhstan	37	33	35	35	29	29
Norway	67	26	54	27	55	55
Russia	2,150	2,400	2,500	1,750	1,600	1,600
Turkey	330	300	320	320	320	320
Ukraine	420	380	480	330	280	305
Others	91	100	105	103	112	112
Subtotal	12,023	11,852	12,208	9,900	10,727	10,752
United States	515	496	483	519	565	565
World Total	12,538	12,348	12,691	10,419	11,292	11,317
Ending Stocks						
Belarus	99	41	61	35	35	35
Canada	51	165	116	68	110	110
European Union	1,209	989	674	482	977	932
Japan	2	1	1	1	1	1
Russia	158	291	260	141	116	116
Turkey	14	14	14	14	14	14
Ukraine	75	77	69	49	20	35
Others	4	12	16	4	0	0
Subtotal	1,612	1,590	1,211	794	1,273	1,243
United States	12	18	15	10	15	15
World Total	1,624	1,608	1,226	804	1,288	1,258

Regional Rye Imports, Production, Consumption, and Stocks

Thousand Metric Tons

	2015/16	2016/17	2017/18	2018/19	Oct 2019/20	Nov 2019/20
TY Imports						
North America	217	172	326	296	252	252
South America	0	0	0	0	0	0
European Union - 28	39	16	137	225	100	100
Other Europe	7	9	8	22	11	11
Former Soviet Union - 12	24	7	28	27	26	26
Middle East	12	4	21	15	20	20
Sub-Saharan Africa	0	0	0	0	0	0
East Asia	21	28	24	26	25	25
Oceania	0	0	0	0	0	0
Total	320	236	544	611	434	434
Production						
North America	521	775	602	450	670	670
South America	69	91	97	100	87	87
European Union - 28	7,833	7,440	7,405	6,205	8,000	7,950
Other Europe	108	70	93	53	96	96
Former Soviet Union - 12	3,268	3,624	3,759	2,836	2,575	2,615
Middle East	330	300	320	320	320	320
Sub-Saharan Africa	3	3	3	3	3	3
East Asia	0	0	0	0	0	0
Oceania	30	29	30	30	30	30
Total	12,162	12,332	12,309	9,997	11,781	11,771
Domestic Consumption						
North America	634	676	682	661	765	765
South America	69	91	97	100	87	87
European Union - 28	7,900	7,600	7,700	6,500	7,400	7,400
Other Europe	113	78	100	73	107	107
Former Soviet Union - 12	3,407	3,513	3,680	2,665	2,584	2,609
Middle East	342	304	341	335	340	340
Sub-Saharan Africa	3	3	3	3	3	3
East Asia	22	29	24	26	25	25
Oceania	30	29	30	30	30	30
Total	12,520	12,323	12,657	10,393	11,341	11,366
Ending Stocks						
North America	63	183	131	78	125	125
South America	0	0	0	0	0	0
European Union - 28	1,209	989	674	482	977	932
Other Europe	0	0	0	0	0	0
Former Soviet Union - 12	336	421	406	229	171	186
Middle East	14	14	14	14	14	14
Sub-Saharan Africa	0	0	0	0	0	0
East Asia	2	1	1	1	1	1
Oceania	0	0	0	0	0	0
Total	1,624	1,608	1,226	804	1,288	1,258

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.