

# World Agricultural Supply and Demand Estimates

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WASDE - 593

Approved by the World Agricultural Outlook Board

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**WHEAT:** The outlook for 2019/20 U.S. wheat this month is for smaller supplies, reduced total use, and rising ending stocks. Wheat production is cut 18.5 million bushels to 1,962 million based on the NASS *Small Grains Summary*, issued on September 30. Projected imports are lowered 15 million bushels to 120 million on a slow pace to date. The NASS *Grain Stocks* report raised 2018/19 ending stocks 8 million bushels and estimated first quarter 2019/20 stocks at 2,385 million bushels, down fractionally from the previous year. These stocks imply first quarter feed and residual use is similar to last year. Annual 2019/20 feed and residual use is lowered 30 million bushels to 140 million but remain above last year's revised 89.8 million. Wheat exports are lowered 25 million bushels to 950 million on reduced competitiveness in international markets. Ending stocks are projected at 1,043 million bushels, up 29 million from the previous month, and the season-average farm price is lowered \$0.10 per bushel to \$4.70.

Global 2019/20 wheat supplies are raised fractionally with decreased production offset by higher beginning stocks. World production is lowered 0.3 million tons led by a 1.0-million-ton cut to Australia's crop on further drought effects. The United States is lowered 0.5 million tons, and Canada and Serbia are each reduced 0.3 million tons. Partly offsetting are production increases of 1.0 million tons for the EU and 0.7 million tons for Turkmenistan, both on updated harvest reports. Projected global exports for 2019/20 are lowered 1.2 million tons led by a 1.0-million-ton reduction for Australia reflecting their smaller crop. Total imports are decreased 1.1 million tons with the United States, Turkmenistan, Venezuela, and Kyrgyzstan accounting for most of the decline. World wheat consumption is reduced 1.1 million tons primarily on a 0.8-million-ton reduction in U.S. feed and residual use. With supplies rising and use declining, global ending stocks are raised 1.3 million tons to a record 287.8 million.

**COARSE GRAINS:** This month's 2019/20 U.S. corn outlook is for slightly lower production, reduced exports and corn used for ethanol, greater feed and residual use, and lower ending stocks. Corn production is forecast at 13.779 billion bushels, down 20 million as a decline in harvested area more than offsets an increased yield forecast. Corn supplies are forecast down sharply from last month on a reduced crop and lower beginning stocks based on the September 30 *Grain Stocks* report. Exports are reduced 150 million bushels reflecting smaller supplies and U.S. price competitiveness. Corn used for ethanol is down 50 million bushels based on weekly production data as reported by the Energy Information Administration during September. Projected feed and residual use is up 125 million bushels based on indicated disappearance during 2018/19. Corn ending stocks for 2019/20 are lowered 261 million bushels. The season-average corn price received by producers is raised 20 cents to \$3.80 per bushel.

Grain sorghum production is forecast lower from last month, with a 0.4-bushel-per-acre decline in yield to 73.9 bushels per acre and a reduction in harvested area. Barley and oat production estimates are updated based on the September 30 *Small Grains* report.

Global coarse grain production for 2019/20 is forecast virtually unchanged at 1,396.7 million tons. The 2019/20 foreign coarse grain outlook is for higher production, increased trade, and higher stocks relative to last month. Foreign corn production is forecast modestly lower as an increase for Russia is more than offset by declines for Egypt and Syria. The projected corn yield for Russia is raised based on reported harvest results to date.

Corn exports are raised for Russia, with a more than offsetting decline for the United States. For 2018/19, corn exports for Brazil are raised for the local marketing year beginning March 2019 based on record large shipments during the month of September. From July to September Brazil has exported close to 20 million tons of corn, nearly 50 percent above the previous high for the time period, with large shipments to important U.S. markets such as Japan, South Korea, Mexico, and Colombia. For 2019/20, corn imports are lowered for Saudi Arabia, Mexico, Venezuela, Cuba, and Bangladesh. Foreign corn ending stocks are higher, mostly reflecting increases for Brazil, Canada, and the EU. Global corn stocks, at 302.6 million, are down 3.7 million from last month.

**RICE:** The outlook for 2019/20 U.S. rice this month is for increased supplies, unchanged domestic use and exports, and higher ending stocks. Supplies are raised as NASS increased the all rice production forecast by 1.3 million cwt to 188.6 million, all on a higher yield. The all rice yield is forecast at 7,616 pounds per acre, up 53 pounds from the previous forecast. Higher yields for Arkansas, California, and Texas more than offset a lower yield for Louisiana. Projected 2019/20 all rice ending stocks are raised 1.3 million cwt to 37.1 million, still down 17 percent from last year. The projected 2019/20 all rice season-average farm price is reduced \$0.20 per cwt to \$13.00, compared to \$12.00 for 2018/19.

Global 2019/20 rice supplies are raised by 3.6 million tons to 669.6 million, mainly on higher projected production for India and Egypt. India's production is raised by 2.0 million tons to 114.0 million, primarily based on the government's *First Advance Estimate of Production*. Egypt's production increased 1.3 million tons to 4.3 million on greater harvested area than previously estimated. World 2019/20 consumption is raised by 1.3 million tons to 494.5 million, led by increased expected use in Egypt on higher domestic supplies. Global 2019/20 trade is increased 0.8 million tons to 45.9 million, mainly on higher exports by India with greater supplies. India is expected to remain the leading global rice exporter for the sixth consecutive year. Projected world ending stocks are up 2.4 million tons to a record 175.1 million with India and Egypt accounting for most of the increase.

**OILSEEDS:** U.S. oilseed production for 2019/20 is projected at 107.9 million tons, down 2.3 million from last month with lower soybean, peanut, and cottonseed production partly offset by higher canola and sunflowerseed. Soybean production is forecast at 3.6 billion bushels, down 83 million, mainly on lower yields. The soybean yield is projected at 46.9 bushels per acre, down 1 bushel from the September forecast. Harvested area is reduced slightly to 75.6 million acres. Soybean supplies for 2019/20 are forecast at 4.5 billion bushels down 175 million on lower production and beginning stocks. With a small increase in soybean crush, ending stocks are projected at 460 million bushels, down 180 million.

The U.S. season-average soybean price for 2019/20 is forecast at \$9.00 per bushel, up 50 cents reflecting smaller supplies. The soybean meal price is forecast at \$325.00 per short ton, up \$20.00. The soybean oil price forecast is raised 0.5 cents to 30.0 cents per pound.

Global oilseed production for 2019/20 is projected at 574.8 million tons, down 4.6 million from last month on lower soybean, sunflowerseed, rapeseed, and peanut production. Global soybean production is projected at 339.0 million tons, down 2.4 million to a 4-year low, mainly reflecting lower production for the United States. Global rapeseed production is forecast lower on reductions for Canada, Australia, the EU, and the United States. Canadian rapeseed production is reduced on lower yield prospects resulting from an unseasonably heavy snow and a season-ending freeze. Other production changes include lower sunflowerseed production for Ukraine, lower cottonseed production for Pakistan and Brazil, and higher cottonseed production for India. With lower global oilseed supplies only partly offset by reduced crush, global oilseed stocks are projected at 109.8 million tons, down 4.6 million. Soybeans account for most of the change with lower stocks in the United States only partly offset by increases for Argentina and Brazil.

**SUGAR:** Beet sugar production for 2019/20 is projected at 5.055 million short tons, raw value (STRV), up 50,000 on less expected production for September of 2018/19 now expected to be produced during 2019/20. Beet sugar production for 2018/19 is correspondingly reduced by 50,000 STRV to 4.907 million.

Raw sugar TRQ imports for the 2018/19 quota year eligible for entry until October 15 are estimated at 1.141 million STRV, implying a shortfall of 57,088. The amount of this sugar entered by September 30 was 24,018 STRV less than expected last month; 22,046 STRV of it is now projected to enter in October. Expected imports of 17,907 STRV corresponding to calendar year FTA TRQs are shifted from the July-September quarter to the October-December quarter and into the 2019/20 fiscal year. Re-export imports for 2018/19 are estimated at 437,682 STRV, up 17,682 over last month. High-tier tariff imports are estimated at 92,679 STRV, up 2,679 over last month.

Deliveries for human consumption for 2018/19 are decreased by 50,000 STRV to 12.125 million based on a slower-than-expected pace. Corresponding deliveries for 2019/20 are decreased in line by the same amount. Ending stocks for 2018/19 are estimated at 1.725 million STRV for a stocks-to-use ratio of 14.04 percent. Ending stocks for 2019/20 are projected at 1.784 million STRV for a stocks-to-use ratio of 14.52 percent.

For 2018/19, Mexico sugar deliveries for human consumption are reduced by 95,977 metric tons, actual weight (MT) to 4.140 million based on the slow pace through the end of August reported by CONADESUCA. Deliveries to IMMEX are likewise reduced by 55,000 MT to 425,000. Exports are increased 14,203 MT based on CONADESUCA reporting. Imports, mainly for IMMEX, are increased by 16,189 MT. Ending stocks are residually estimated at 1.148 million MT of which an estimated 273,168 are required to be exported in 2019/20 before December 31 per provisions administered by the Fideicomiso Maestro para la Exportación de Excedentes de los Ingenios (FIMAE).

For 2019/20, Mexico sugar production is projected at 6.065 million MT, a reduction of 135,000 based on updated reports of the severity of drought conditions in several producing areas. Total sweetener deliveries are projected at 5.719 million MT based on the same per

capita sweetener consumption from 2018/19 multiplied by the expected increase in population. Deliveries of high fructose corn syrup are projected at 1.520 million MT, dry weight, implying sugar deliveries of 4.199 million MT. Ending stocks are at 963,373 MT, an amount meant to meet consumption for a 2.5 month period before the start of the next harvest campaign. Exports are residually projected at 1.695 million MT, an increase of 201,607 over last month. Exports to the United States are unchanged from last month at 956,738 MT.

**LIVESTOCK, POULTRY, AND DAIRY:** The forecast for 2019 total red meat and poultry production is raised from last month, as higher broiler production more than offsets slightly lower beef and turkey production. Pork production is unchanged. Hatchery and slaughter data supports an increase in broiler production. Beef production is reduced from the previous month on a slower-than-expected pace of fed cattle slaughter. The turkey forecast is lowered on a slower pace of third-quarter production. The 2019 egg production forecast is raised slightly.

For 2020, the total red meat and poultry forecast is raised from the previous month on higher expected pork and broiler production. Beef production is unchanged for the year, although a slower pace of placements in third-quarter 2019 is expected to result in lower first-quarter beef production, but higher second quarter production. Pork production is forecast higher, as expected growth in pigs per litter points toward increased availability of slaughter hogs in 2020. The broiler production forecast is raised from the previous month on expectations of continued expansion of broiler flocks. Turkey production forecasts are reduced from the previous month on higher feed prices. The egg production forecast is raised, largely reflecting increased hatching egg production.

The 2019 beef import forecast is unchanged, but exports are reduced, reflecting recent trade data. For 2020, imports are reduced, reflecting tighter supplies from Oceania and strong demand for beef by competing importers. Exports are raised on firm global demand and tightness in supplies from Oceania. The 2019 and 2020 pork export forecasts are raised from the previous month on recent trade data and strong demand U.S. pork products. The 2019 broiler export forecast is lowered, reflecting recent trade data, but no change is made to the 2020 export forecast. Turkey trade export forecasts are raised.

The cattle price forecast for 2019 is raised on current price strength; this increase in price strength was carried into early 2020. Hog price forecasts are reduced for 2019 and 2020 on larger supplies of hogs. The 2019 broiler price forecast is raised on recent price strength but is reduced for 2020 as broiler meat supplies are raised. The 2019 turkey price forecast is higher on recent gains in prices, but the 2020 forecast is unchanged. The 2019 egg price forecast is lowered on current prices, but 2020 egg price forecasts are unchanged.

Milk production forecasts for 2019 are raised on higher cow numbers and stronger growth in milk per cow. For 2020, expected continued gains in milk per cow supported an increase in the milk production forecast.

Annual forecasts of imports on both a fat and skims-solids basis are unchanged for 2019 reflecting current trade data, but forecasts for 2020 are lowered as the recently announced additional tariffs on a number of EU dairy products are expected to result in reduced imports. Fat basis export forecasts for 2019 and 2020 are reduced from last month on continued

competitive pressure on U.S. cheese exports. The 2019 skim-solids basis export forecast is lowered on weaker expected exports of cheese and skim and nonfat dry milk (SMP/NDM). However, increased strength in SMP/NDM sales in 2020 due to strong global demand is expected to more than offset continued weakness in cheese exports. The 2020 skim-solids basis export forecast is raised.

For 2019, cheese and NDM prices are raised from the previous month, but price forecasts for butter and whey are reduced. The Class III price is raised from last month as the higher cheese price more than offsets the lower whey price; the Class IV price is raised as the higher NDM price more than offsets the lower butter price. For 2020, cheese and NDM prices are raised from the previous month, but the price forecast for butter is reduced. The whey price is unchanged. As a result, the Class III price forecast is higher, but the Class IV price is lowered, as the higher NDM price is more than offset by the lower butter price. The 2019 all milk price is forecast higher at \$18.40; for 2020 the price is unchanged at \$18.85 per cwt.

**COTTON:** The 2019/20 U.S. cotton supply and demand estimates show slightly lower production and ending stocks compared with last month. Production is lowered less than 1 percent, to 21.7 million bales, largely the result of a reduction in Texas. Domestic mill use and exports are unchanged from last month, and ending stocks are reduced 200,000 bales. At 7.0 million bales, U.S. ending stocks in 2019/20 are projected at 36 percent of use, compared with 27 percent in 2018/19. The 2019/20 season-average price for upland cotton is forecast at 58 cents per pound, unchanged from last month and 12.5 cents lower than in 2018/19.

The 2019/20 global cotton supply and demand forecasts show little overall change from last month. World production is 130,000 bales lower as declines for Brazil, Pakistan, Australia, and the United States more than offset a 1-million-bale increase in India. Global consumption is 130,000 bales lower than September's forecast and the projection for world trade in 2019/20 is reduced 300,000 bales. Lower expected imports for China and Vietnam more than offset increases for Pakistan and Turkey. Exports for Australia and Brazil are also lower. World ending stocks in 2019/20 are now forecast at 83.7 million bales, virtually unchanged from the September forecast but 3.0 million bales higher than in 2018/19.

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APPROVED BY:



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<p><b>In 2019, the WASDE report will be released on Nov 8, and Dec 10</b> <b>In 2020, the WASDE report will be released on Jan 10, Feb 11, Mar 10,</b> <b>Apr 9, May 12, June 11, July 10, Aug 12, Sep 11, Oct 9, Nov 10, and Dec 10</b></p>
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**World and U.S Supply and Use for Grains 1/  
Million Metric Tons**

<b>World</b>		Output	Total Supply	Trade 2/	Total Use 3/	Ending Stocks	
Total Grains 4/	2017/18	2616.04	3413.58	413.91	2596.96	816.62	
	2018/19 (Est.)	2625.52	3442.13	427.53	2641.75	800.38	
	2019/20 (Proj.)	Sep	2656.19	3461.16	430.59	2665.77	795.40
		Oct	2659.68	3460.07	426.56	2663.17	796.90
Wheat	2017/18	762.31	1025.37	181.90	741.78	283.60	
	2018/19 (Est.)	730.50	1014.09	173.16	736.41	277.68	
	2019/20 (Proj.)	Sep	765.53	1042.77	180.83	756.26	286.51
		Oct	765.23	1042.91	179.68	755.11	287.80
Coarse Grains 5/	2017/18	1358.87	1743.63	184.88	1372.95	370.68	
	2018/19 (Est.)	1396.07	1766.75	209.09	1415.90	350.85	
	2019/20 (Proj.)	Sep	1396.44	1752.38	204.64	1416.22	336.16
		Oct	1396.68	1747.53	201.01	1413.52	334.01
Rice, milled	2017/18	494.86	644.58	47.13	482.24	162.34	
	2018/19 (Est.)	498.95	661.29	45.28	489.44	171.85	
	2019/20 (Proj.)	Sep	494.22	666.02	45.12	493.29	172.73
		Oct	497.77	669.62	45.88	494.54	175.09
<b>United States</b>							
Total Grains 4/	2017/18	437.43	541.29	94.57	357.95	88.76	
	2018/19 (Est.)	438.36	534.34	83.39	362.37	88.58	
	2019/20 (Proj.)	Sep	424.14	528.81	84.26	356.44	88.11
		Oct	423.03	519.25	79.77	356.92	82.56
Wheat	2017/18	47.38	83.81	24.66	29.25	29.91	
	2018/19 (Est.)	51.31	84.89	25.48	30.02	29.39	
	2019/20 (Proj.)	Sep	53.89	86.74	26.54	32.60	27.60
		Oct	53.39	86.04	25.86	31.79	28.40
Coarse Grains 5/	2017/18	384.39	449.48	67.16	324.41	57.92	
	2018/19 (Est.)	379.93	440.49	54.94	327.77	57.77	
	2019/20 (Proj.)	Sep	364.30	433.76	54.71	319.67	59.37
		Oct	363.65	424.85	50.90	320.97	52.98
Rice, milled	2017/18	5.66	8.00	2.76	4.30	0.93	
	2018/19 (Est.)	7.12	8.97	2.97	4.58	1.42	
	2019/20 (Proj.)	Sep	5.95	8.31	3.02	4.16	1.14
		Oct	5.99	8.35	3.02	4.16	1.18

1/ Aggregate of local marketing years. 2/ Based on export estimate. See individual commodity tables for treatment of export/import imbalances. 3/ Total use for the United States is equal to domestic consumption only (excludes exports). 4/ Wheat, coarse grains, and milled rice. 5/ Corn, sorghum, barley, oats, rye, millet, and mixed grains (for U.S. excludes millet and mixed grains).



## WASDE - 593 - 9

**World and U.S. Supply and Use for Grains, Continued 1/  
Million Metric Tons**

Foreign 3/		Output	Total Supply	Trade 2/	Total Use	Ending Stocks	
Total Grains 4/	2017/18	2,178.62	2,872.29	319.34	2,239.01	727.86	
	2018/19 (Est.)	2,187.16	2,907.79	344.14	2,279.38	711.81	
	2019/20 (Proj.)	Sep	2,232.05	2,932.35	346.33	2,309.33	707.28
		Oct	2,236.65	2,940.82	346.78	2,306.25	714.34
Wheat	2017/18	714.93	941.56	157.25	712.53	253.69	
	2018/19 (Est.)	679.19	929.20	147.68	706.38	248.30	
	2019/20 (Proj.)	Sep	711.64	956.02	154.30	723.65	258.91
		Oct	711.84	956.87	153.82	723.32	259.40
Coarse Grains 5/	2017/18	974.49	1,294.15	117.72	1,048.54	312.76	
	2018/19 (Est.)	1,016.14	1,326.27	154.15	1,088.13	293.08	
	2019/20 (Proj.)	Sep	1,032.15	1,318.62	149.93	1,096.55	276.79
		Oct	1,033.03	1,322.68	150.10	1,092.55	281.03
Rice, milled	2017/18	489.20	636.58	44.37	477.94	161.41	
	2018/19 (Est.)	491.83	652.32	42.31	484.86	170.43	
	2019/20 (Proj.)	Sep	488.27	657.71	42.10	489.13	171.59
		Oct	491.78	661.27	42.86	490.38	173.91

1/ Aggregate of local marketing years. 2/ Based on export estimate. See individual commodity tables for treatment of export/import imbalances. 3/ Total foreign is equal to world minus United States. 4/ Wheat, coarse grains, and milled rice. 5/ Corn, sorghum, barley, oats, rye, millet, and mixed grains.

**World and U.S. Supply and Use for Cotton 1/  
Million 480-lb. Bales**

		Output	Total Supply	Trade 2/	Total Use 3/	Ending Stocks	
World	2017/18	123.78	204.07	41.41	122.77	80.93	
	2018/19 (Est.)	119.01	199.94	41.23	120.23	80.73	
	2019/20 (Proj.)	Sep	124.90	205.70	43.34	121.74	83.75
		Oct	124.77	205.50	42.91	121.61	83.69
United States	2017/18	20.92	23.68	16.28	3.23	4.20	
	2018/19 (Est.)	18.37	22.57	14.76	2.98	4.85	
	2019/20 (Proj.)	Sep	21.86	26.72	16.50	3.00	7.20
		Oct	21.71	26.56	16.50	3.00	7.00
Foreign 4/	2017/18	102.86	180.40	25.13	119.54	76.73	
	2018/19 (Est.)	100.65	177.37	26.47	117.25	75.88	
	2019/20 (Proj.)	Sep	103.04	178.98	26.84	118.74	76.55
		Oct	103.07	178.94	26.41	118.61	76.69

1/ Marketing year beginning August 1. 2/ Based on export estimate. 3/ Includes mill use only. 4/ Total Foreign is equal to world minus United States. See global cotton tables for treatment of export/import imbalances.

## WASDE - 593 - 10

**World and U.S. Supply and Use for Oilseeds 1/  
(Million Metric Tons)**

<b>World</b>		Output	Total Supply	Trade	Total Use 2/	Ending Stocks	
Oilseeds	2017/18	580.78	690.45	176.30	484.06	116.31	
	2018/19 (Est.)	597.41	713.72	170.66	490.98	128.18	
	2019/20 (Proj.)	Sep	579.48	710.08	172.54	500.60	114.35
		Oct	574.85	703.02	172.38	498.21	109.75
Oilmeals	2017/18	331.66	348.33	89.03	328.60	15.59	
	2018/19 (Est.)	334.69	350.28	93.06	331.95	14.72	
	2019/20 (Proj.)	Sep	341.09	356.04	94.61	338.71	14.94
		Oct	340.32	355.04	94.21	338.20	14.27
Vegetable Oils	2017/18	198.61	219.18	79.68	192.35	22.12	
	2018/19 (Est.)	203.69	225.81	86.11	200.39	21.28	
	2019/20 (Proj.)	Sep	208.02	229.77	87.89	204.88	20.78
		Oct	207.50	228.78	88.61	205.21	19.66
<b>United States</b>							
Oilseeds	2017/18	131.48	142.50	59.31	60.17	13.83	
	2018/19 (Est.)	130.72	145.65	48.70	61.03	26.66	
	2019/20 (Proj.)	Sep	110.18	140.77	49.53	62.18	19.18
		Oct	107.93	135.94	49.53	62.32	14.19
Oilmeals	2017/18	47.03	51.17	13.00	37.61	0.56	
	2018/19 (Est.)	46.71	51.24	12.62	38.15	0.47	
	2019/20 (Proj.)	Sep	47.63	51.93	12.74	38.77	0.42
		Oct	47.77	52.07	12.74	38.91	0.42
Vegetable Oils	2017/18	12.11	18.12	1.34	15.54	1.24	
	2018/19 (Est.)	12.25	18.20	1.14	15.94	1.12	
	2019/20 (Proj.)	Sep	12.55	18.55	1.02	16.47	1.05
		Oct	12.58	18.54	1.02	16.46	1.05
<b>Foreign 3/</b>							
Oilseeds	2017/18	449.30	547.95	116.99	423.89	102.48	
	2018/19 (Est.)	466.70	568.07	121.96	429.96	101.52	
	2019/20 (Proj.)	Sep	469.30	569.31	123.00	438.42	95.17
		Oct	466.92	567.08	122.84	435.89	95.56
Oilmeals	2017/18	284.64	297.15	76.03	291.00	15.02	
	2018/19 (Est.)	287.98	299.04	80.44	293.80	14.25	
	2019/20 (Proj.)	Sep	293.46	304.12	81.87	299.94	14.52
		Oct	292.56	302.97	81.48	299.29	13.84
Vegetable Oils	2017/18	186.51	201.05	78.34	176.81	20.88	
	2018/19 (Est.)	191.45	207.61	84.97	184.45	20.16	
	2019/20 (Proj.)	Sep	195.46	211.23	86.86	188.41	19.73
		Oct	194.92	210.24	87.59	188.75	18.61

1/ Aggregate of local marketing years with Brazil and Argentina on an Oct.-Sept. year. 2/ Crush only for oilseeds. 3/ Total Foreign is equal to World minus United States.

## WASDE - 593 - 11

## U.S. Wheat Supply and Use 1/

	2017/18	2018/19 Est.	2019/20 Proj. Sep	2019/20 Proj. Oct
			<i>Million Acres</i>	
Area Planted	46.1	47.8	45.6	45.2
Area Harvested	37.6	39.6	38.4	38.1
			<i>Bushels</i>	
Yield per Harvested Acre	46.4	47.6	51.6	51.6
			<i>Million Bushels</i>	
Beginning Stocks	1,181	1,099	1,072	1,080
Production	1,741	1,885	1,980	1,962
Imports	158	135	135	120
Supply, Total	3,080	3,119	3,187	3,161
Food	964	955	960	960
Seed	63	59	68	68
Feed and Residual	47	90	170	140
Domestic, Total	1,075	1,103	1,198	1,168
Exports	906	936	975	950
Use, Total	1,981	2,039	2,173	2,118
Ending Stocks	1,099	1,080	1,014	1,043
Avg. Farm Price (\$/bu) 2/	4.72	5.16	4.80	4.70

## U.S. Wheat by Class: Supply and Use

Year beginning June 1		Hard Red Winter	Hard Red Spring	Soft Red Winter	White	Durum	Total
				<i>Million Bushels</i>			
2018/19 (Est.)	Beginning Stocks	581	191	205	87	35	1,099
	Production	662	587	286	272	78	1,885
	Supply, Total 3/	1,248	846	495	365	165	3,119
	Domestic Use	401	324	209	81	88	1,103
	Exports	331	259	128	196	22	936
	Use, Total	732	583	337	277	110	2,039
	Ending Stocks, Total	516	263	158	88	55	1,080
2019/20 (Proj.)	Beginning Stocks	516	263	158	88	55	1,080
	Production	833	559	239	273	58	1,962
	Supply, Total 3/	1,354	877	402	366	163	3,161
	Domestic Use	483	314	192	91	88	1,168
	Exports	380	255	100	190	25	950
	Use, Total	863	569	292	281	113	2,118
	Ending Stocks, Total	491	308	110	85	49	1,043
		Oct					
		Sep					
		462	317	113	67	54	1,014

Note: Totals may not add due to rounding. 1/ Marketing year beginning June 1. 2/ Marketing-year weighted average price received by farmers. 3/ Includes imports.

## WASDE - 593 - 12

## U.S. Feed Grain and Corn Supply and Use 1/

	2017/18	2018/19 Est.	2019/20 Proj. Sep	2019/20 Proj. Oct
<b>FEED GRAINS</b>				
		<i>Million Acres</i>		
Area Planted	100.9	100.1	100.7	100.7
Area Harvested	90.5	89.6	90.0	89.6
		<i>Metric Tons</i>		
Yield per Harvested Acre	4.24	4.24	4.05	4.06
		<i>Million Metric Tons</i>		
Beginning Stocks	62.1	57.9	65.9	57.8
Production	384.1	379.7	364.1	363.4
Imports	2.7	2.3	3.2	3.1
Supply, Total	449.0	440.0	433.2	424.3
Feed and Residual	138.6	147.6	137.4	140.3
Food, Seed & Industrial	185.3	179.7	181.8	180.1
Domestic, Total	323.9	327.3	319.1	320.4
Exports	67.2	54.9	54.7	50.9
Use, Total	391.1	382.2	373.9	371.3
Ending Stocks	57.9	57.8	59.4	53.0
<b>CORN</b>				
		<i>Million Acres</i>		
Area Planted	90.2	89.1	90.0	89.9
Area Harvested	82.7	81.7	82.0	81.8
		<i>Bushels</i>		
Yield per Harvested Acre	176.6	176.4	168.2	168.4
		<i>Million Bushels</i>		
Beginning Stocks	2,293	2,140	2,445	2,114
Production	14,609	14,420	13,799	13,779
Imports	36	28	50	50
Supply, Total	16,939	16,588	16,295	15,944
Feed and Residual	5,304	5,618	5,175	5,300
Food, Seed & Industrial 2/	7,057	6,791	6,880	6,815
Ethanol & by-products 3/	5,605	5,376	5,450	5,400
Domestic, Total	12,361	12,409	12,055	12,115
Exports	2,438	2,065	2,050	1,900
Use, Total	14,798	14,474	14,105	14,015
Ending Stocks	2,140	2,114	2,190	1,929
Avg. Farm Price (\$/bu) 4/	3.36	3.61	3.60	3.80

Note: Totals may not add due to rounding. 1/ Marketing year beginning September 1 for corn and sorghum; June 1 for barley and oats. 2/ For a breakout of FSI corn uses, see Feed Outlook table 5 or access the data on the Web through the Feed Grains Database at [www.ers.usda.gov/data-products/feed-grains-database.aspx](http://www.ers.usda.gov/data-products/feed-grains-database.aspx). 3/ Corn processed in ethanol plants to produce ethanol and by-products including distillers' grains, corn gluten feed, corn gluten meal, and corn oil. 4/ Marketing-year weighted average price received by farmers.

## WASDE - 593 - 13

## U.S. Sorghum, Barley, and Oats Supply and Use 1/

<b>SORGHUM</b>	2017/18	2018/19 Est.	2019/20 Proj. Sep	2019/20 Proj. Oct
	<i>Million Bushels</i>			
Area Planted (mil. acres)	5.6	5.7	5.3	5.3
Area Harvested (mil. acres)	5.0	5.1	4.7	4.7
Yield (bushels/acre)	71.7	72.1	74.3	73.9
Beginning Stocks	33	35	55	64
Production	362	365	352	349
Imports	2	0	0	0
Supply, Total	397	400	406	412
Feed and Residual	102	138	160	160
Food, Seed & Industrial	60	106	100	100
Total Domestic	162	244	260	260
Exports	200	93	100	100
Use, Total	362	336	360	360
Ending Stocks	35	64	46	52
Avg. Farm Price (\$/bu) 2/	3.22	3.25	3.30	3.40
<b>BARLEY</b>				
Area Planted (mil. acres)	2.5	2.5	2.9	2.7
Area Harvested (mil. acres)	2.0	2.0	2.3	2.2
Yield (bushels/acre)	73.0	77.5	73.9	77.4
Beginning Stocks	106	94	87	87
Production	143	154	172	171
Imports	9	6	10	10
Supply, Total	259	254	269	268
Feed and Residual	2	8	20	15
Food, Seed & Industrial	157	155	153	153
Total Domestic	159	162	173	168
Exports	5	5	3	3
Use, Total	164	167	176	171
Ending Stocks	94	87	93	97
Avg. Farm Price (\$/bu) 2/	4.47	4.62	4.65	4.65
<b>OATS</b>				
Area Planted (mil. acres)	2.6	2.7	2.5	2.8
Area Harvested (mil. acres)	0.8	0.9	0.9	0.8
Yield (bushels/acre)	61.7	64.9	66.4	64.4
Beginning Stocks	50	41	37	38
Production	50	56	60	54
Imports	89	87	100	95
Supply, Total	189	184	197	187
Feed and Residual	68	66	80	70
Food, Seed & Industrial	77	78	78	78
Total Domestic	146	144	158	148
Exports	2	2	2	2
Use, Total	148	146	160	150
Ending Stocks	41	38	37	37
Avg. Farm Price (\$/bu) 2/	2.59	2.66	2.95	2.95

Note: Note: Totals may not add due to rounding. 1/ Marketing year beginning September 1 for sorghum; June 1 for barley and oats. 2/ Marketing-year weighted average price received by farmers.

## WASDE - 593 - 14

**U.S. Rice Supply and Use 1/  
(Rough Equivalent of Rough and Milled Rice)**

TOTAL RICE	2017/18	2018/19 Est.	2019/20 Proj.	2019/20 Proj.	
			Sep	Oct	
		<i>Million Acres</i>			
Area Planted	2.46	2.95	2.54	2.54	
Area Harvested	2.37	2.92	2.48	2.48	
		<i>Pounds</i>			
Yield per Harvested Acre	7,507	7,692	7,563	7,616	
		<i>Million Hundredweight</i>			
Beginning Stocks 2/	46.0	29.4	44.9	44.9	
Production	178.2	224.2	187.3	188.6	
Imports	27.5	29.0	29.6	29.6	
Supply, Total	251.8	282.6	261.8	263.1	
Domestic & Residual 3/	135.4	144.1	131.0	131.0	
Exports, Total 4/	87.1	93.6	95.0	95.0	
Rough	28.8	33.0	33.0	33.0	
Milled (rough equiv.)	58.2	60.6	62.0	62.0	
Use, Total	222.4	237.7	226.0	226.0	
Ending Stocks	29.4	44.9	35.8	37.1	
Avg. Milling Yield (%) 5/	70.00	70.00	70.00	70.00	
Avg. Farm Price (\$/cwt) 6/	12.90	12.00	13.20	13.00	

**LONG-GRAIN RICE**

Harvested Acres (mil.)	1.75	2.18		
Yield (pounds/acre)	7,314	7,517		
Beginning Stocks	31.0	20.3	32.6	32.6
Production	127.9	164.0	126.7	127.5
Supply, Total 7/	182.2	207.7	183.3	184.1
Domestic & Residual 3/	98.6	109.4	98.0	98.0
Exports 8/	63.2	65.7	66.0	66.0
Use, Total	161.9	175.1	164.0	164.0
Ending Stocks	20.3	32.6	19.3	20.1
Avg. Farm Price (\$/cwt) 6/	11.50	10.80	12.00	11.80

**MEDIUM & SHORT-GRAIN RICE**

Harvested Acres (mil.)	0.63	0.73		
Yield (pounds/acre)	8,048	8,209		
Beginning Stocks	11.5	7.6	10.2	10.2
Production	50.4	60.3	60.7	61.1
Supply, Total 7/	68.2	72.8	76.5	76.9
Domestic & Residual 3/	36.7	34.8	33.0	33.0
Exports 8/	23.8	27.8	29.0	29.0
Use, Total	60.6	62.6	62.0	62.0
Ending Stocks	7.6	10.2	14.5	14.9
Avg. Farm Price (\$/cwt) 1/ 6/ 9/	17.00	16.30	16.60	16.50
California 10/	20.10	18.00	18.50	18.50
Other States 1/	11.70	12.30	12.50	12.30

Note: Totals may not add due to rounding. 1/ Marketing year beginning August 1. 2/ Includes the following quantities of broken kernel rice (type undetermined) not included in estimates of ending stocks by type (in mil. cwt): 2015/16-2.9; 2016/17-3.5; 2017/18-3.5. 3/ Residual includes unreported use, processing losses, and estimating errors. Use by type may not add to total rice use because of the difference in brokens between beginning and ending stocks. 4/ Includes rough rice and milled rice exports. Milled rice exports are converted to an equivalent rough basis. 5/ Expressed as a percent, i.e., the total quantity of whole kernel and broken rice produced divided by the quantity of rough rice milled. 6/ Marketing-year weighted average price received by farmers. 7/ Includes imports. 8/ Exports by type of rice are estimated. 9/ The medium/short-grain season-average- farm price (SAFP) largely reflects rice that is marketed through price pools in California. The pool price is not final until all the rice in the pool is marketed for the crop year. Therefore, SAFP forecasts based on the average of NASS monthly prices and the final price may differ. For example, the average difference between the preliminary California SAFP forecast and the final price has averaged \$0.98 per cwt from 2014/15-2017/18, with a high of \$3.50 per cwt in 2017/18 and a low of -\$0.20 per cwt in 2015/16. 10/ Marketing year beginning October 1.

## WASDE - 593 - 15

## U.S. Soybeans and Products Supply and Use (Domestic Measure) 1/

SOYBEANS	2017/18	2018/19 Est.	2019/20 Proj. Sep	2019/20 Proj. Oct
		<i>Million Acres</i>		
Area Planted	90.2	89.2	76.7	76.5
Area Harvested	89.5	87.6	75.9	75.6
		<i>Bushels</i>		
Yield per Harvested Acre	49.3	50.6	47.9	46.9
		<i>Million Bushels</i>		
Beginning Stocks	302	438	1,005	913
Production	4,412	4,428	3,633	3,550
Imports	22	14	20	20
Supply, Total	4,735	4,880	4,658	4,483
Crushings	2,055	2,092	2,115	2,120
Exports	2,134	1,748	1,775	1,775
Seed	104	89	96	96
Residual	5	39	32	32
Use, Total	4,297	3,967	4,018	4,023
Ending Stocks	438	913	640	460
Avg. Farm Price (\$/bu) 2/	9.33	8.48	8.50	9.00
<b>SOYBEAN OIL</b>				
		<i>Million Pounds</i>		
Beginning Stocks	1,711	1,995	1,725	1,710
Production 4/	23,772	24,290	24,535	24,590
Imports	335	400	450	450
Supply, Total	25,819	26,685	26,710	26,750
Domestic Disappearance	21,380	22,950	23,500	23,500
Biodiesel 3/	7,134	8,000	8,600	8,500
Food, Feed & other Industrial	14,247	14,950	14,900	15,000
Exports	2,443	2,025	1,725	1,725
Use, Total	23,823	24,975	25,225	25,225
Ending stocks	1,995	1,710	1,485	1,525
Avg. Price (c/lb) 2/	30.04	28.26	29.50	30.00
<b>SOYBEAN MEAL</b>				
		<i>Thousand Short Tons</i>		
Beginning Stocks	401	555	450	450
Production 4/	49,226	48,995	49,650	49,800
Imports	483	700	500	500
Supply, Total	50,109	50,250	50,600	50,750
Domestic Disappearance	35,537	36,200	36,500	36,650
Exports	14,016	13,600	13,700	13,700
Use, Total	49,554	49,800	50,200	50,350
Ending Stocks	555	450	400	400
Avg. Price (\$/s.t.) 2/	345.02	308.28	305.00	325.00

Note: Totals may not add due to rounding. Reliability calculations at end of report. 1/ Marketing year beginning September 1 for soybeans; October 1 for soybean oil and soybean meal. 2/ Prices: soybeans, marketing year weighted average price received by farmers; oil, simple average of crude soybean oil, Decatur; meal, simple average of 48 percent protein, Decatur. 3/ Reflects only biodiesel made from methyl ester as reported by the U.S. Energy Information Administration. 4/ Based on an October year crush of 2,092 million bushels for 2018/19 and 2,120 million bushels for 2019/20.

## WASDE - 593 - 16

## U.S. Sugar Supply and Use 1/

	2017/18	2018/19 Est.	2019/20 Proj. Sep	2019/20 Proj. Oct
	<i>1,000 Short Tons, Raw Value</i>			
Beginning Stocks	1,876	2,008	1,747	1,725
Production 2/	9,293	8,935	9,134	9,184
Beet Sugar	5,279	4,907	5,005	5,055
Cane Sugar	4,014	4,028	4,129	4,129
Florida	1,983	2,005	2,096	2,096
Hawaii	0	0	0	0
Louisiana	1,862	1,875	1,900	1,900
Texas	169	147	134	134
Imports	3,277	3,067	3,125	3,165
TRQ 3/	1,663	1,540	1,587	1,627
Other Program 4/	326	438	350	350
Other 5/	1,287	1,089	1,188	1,188
Mexico	1,223	997	1,118	1,118
Total Supply	14,445	14,010	14,006	14,074
Exports	170	35	35	35
Deliveries	12,185	12,250	12,305	12,255
Food	12,048	12,125	12,200	12,150
Other 6/	137	125	105	105
Miscellaneous	82	0	0	0
Total Use	12,438	12,285	12,340	12,290
Ending Stocks	2,008	1,725	1,666	1,784
Stocks to Use Ratio	16.1	14.0	13.5	14.5

1/ Fiscal years beginning Oct 1. Data and projections correspond to category components from "Sweetener Market Data" (SMD). 2/ Production projections for 2018/19 and 2019/20 are based on Crop Production and processor projections where appropriate. 3/ For 2018/19, WTO raw sugar TRQ shortfall (57) and for 2019/20 (99). 4/ Composed of sugar under the re-export and polyhydric alcohol programs. 5/ Imports from Mexico; and high-tier tariff sugar and syrups not otherwise specified -- for 2018/19 (93) and 2019/20 (70). 6/ Transfers accompanying deliveries for sugar-containing products to be exported (SCP) and polyhydric alcohol manufacture (POLY), and deliveries for livestock feed and ethanol. Total refiner license transfers for SCP and POLY inclusive of WASDE-reported deliveries: 2017/18 -- 278; estimated 2018/19 -- 324; projected 2019/20 -- 340.

## Mexico Sugar Supply and Use and High Fructose Corn Syrup Consumption 1/

		Beginning Stocks	Production	Imports	Domestic 2/	Exports	Ending Stocks	
		<i>1,000 Metric Tons, Actual Weight</i>						
Sugar	2018/19 Est.	Sep	1,395	6,426	70	4,716	2,179	995
		Oct	1,395	6,426	86	4,565	2,194	1,148
	2019/20 Proj.	Sep	995	6,200	70	4,776	1,494	995
		Oct	1,148	6,065	70	4,624	1,695	963

1/ HFCS consumption by Mexico (1,000 metric tons, dry basis): 2017/18 = 1,593; Estimated Oct-Aug 2018 = 1,461; Projected 2018/19 = 1,520; Estimated Oct-Aug 2019 = 1,401; Projected 2019/20 = 1,520. Footnote source for estimate: Comité Nacional para el Desarrollo Sustentable de la Cana de Azúcar. 2/Includes deliveries for consumption, Mexico's products export program (IMMEX), and Other Deliveries/Ending Year Statistical Adjustments. IMMEX: 2018/19 (425 est); 2019/20 (425 proj). Other Deliveries/Ending Year Statistical Adjustments: 2018/19 (0), 2019/20 (0).



## WASDE - 593 - 17

## U.S. Cotton Supply and Use 1/

	2017/18	2018/19 Est.	2019/20 Proj. Sep	2019/20 Proj. Oct
Area				
		<i>Million Acres</i>		
Planted	12.72	14.10	13.76	13.76
Harvested	11.10	10.21	12.51	12.51
		<i>Pounds</i>		
Yield per Harvested Acre	905	864	839	833
		<i>Million 480 Pound Bales</i>		
Beginning Stocks	2.75	4.20	4.85	4.85
Production	20.92	18.37	21.86	21.71
Imports	0.00	0.00	0.01	0.01
Supply, Total	23.68	22.57	26.72	26.56
Domestic Use	3.23	2.98	3.00	3.00
Exports, Total	16.28	14.76	16.50	16.50
Use, Total	19.50	17.74	19.50	19.50
Unaccounted 2/	-0.03	-0.02	0.02	0.06
Ending Stocks	4.20	4.85	7.20	7.00
Avg. Farm Price 3/	68.6	70.5	58.0	58.0

Note: Reliability calculations at end of report. 1/ Upland and extra-long staple; marketing year beginning August 1. Totals may not add due to rounding. 2/ Reflects the difference between the previous season's supply less total use and ending stocks. 3/ Cents per pound for upland cotton.

## WASDE - 593 - 18

World Wheat Supply and Use 1/  
(Million Metric Tons)

2017/18	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	263.06	762.31	179.99	146.50	741.78	181.90	283.60
World Less China	148.13	627.98	176.05	129.00	620.78	180.90	152.40
United States	32.13	47.38	4.30	1.29	29.25	24.66	29.91
Total Foreign	230.93	714.93	175.69	145.22	712.53	157.25	253.69
Major Exporters 4/	36.22	333.09	6.96	89.73	205.50	131.17	39.61
Argentina	0.25	18.50	0.01	0.05	5.55	12.73	0.47
Australia	5.73	20.94	0.16	4.00	7.48	13.85	5.51
Canada	6.93	30.38	0.45	4.38	9.28	22.00	6.48
European Union 5/	10.72	151.13	5.82	58.00	130.40	23.38	13.89
Russia	10.82	85.17	0.47	20.00	43.00	41.43	12.03
Ukraine	1.77	26.98	0.06	3.30	9.80	17.78	1.24
Major Importers 6/	160.64	202.93	115.65	37.70	289.75	12.35	177.11
Bangladesh	1.76	1.15	6.15	0.25	7.05	0.00	2.02
Brazil	2.26	4.26	7.02	0.50	12.00	0.23	1.31
China	114.93	134.33	3.94	17.50	121.00	1.00	131.20
Japan	1.21	0.97	5.88	0.75	6.60	0.28	1.18
N. Africa 7/	14.28	19.25	27.45	2.25	45.23	0.88	14.87
Nigeria	0.20	0.07	5.16	0.05	4.83	0.40	0.20
Sel. Mideast 8/	16.71	18.36	18.44	4.10	37.92	0.83	14.76
Southeast Asia 9/	5.68	0.00	26.06	8.99	25.44	1.11	5.19
Selected Other							
India	9.91	98.51	1.17	5.00	95.68	0.57	13.34
Kazakhstan	3.69	14.80	0.10	2.10	6.90	8.52	3.18
<b>2018/19 Est.</b>							
World 3/	283.60	730.50	169.26	139.73	736.41	173.16	277.68
World Less China	152.40	599.07	166.12	119.73	611.41	172.15	137.92
United States	29.91	51.31	3.67	2.44	30.02	25.48	29.39
Total Foreign	253.69	679.19	165.59	137.29	706.38	147.68	248.30
Major Exporters 4/	39.61	302.60	7.15	82.19	196.39	120.43	32.54
Argentina	0.47	19.50	0.01	0.05	5.85	12.30	1.83
Australia	5.51	17.30	0.36	5.70	9.20	9.00	4.97
Canada	6.48	32.20	0.48	3.94	8.84	24.41	5.92
European Union 5/	13.89	136.86	5.76	52.00	123.20	23.31	10.00
Russia	12.03	71.69	0.43	18.00	40.50	35.40	8.25
Ukraine	1.24	25.06	0.11	2.50	8.80	16.02	1.59
Major Importers 6/	177.11	199.70	110.53	38.44	293.64	12.29	181.41
Bangladesh	2.02	1.00	4.72	0.28	7.08	0.00	0.66
Brazil	1.31	5.43	7.02	0.50	12.10	0.60	1.06
China	131.20	131.43	3.15	20.00	125.00	1.01	139.77
Japan	1.18	0.88	5.73	0.68	6.53	0.29	0.97
N. Africa 7/	14.87	21.00	26.93	2.25	46.15	1.19	15.45
Nigeria	0.20	0.06	4.59	0.05	4.25	0.40	0.20
Sel. Mideast 8/	14.76	17.88	17.11	3.55	37.85	0.54	11.36
Southeast Asia 9/	5.19	0.00	26.16	8.14	25.34	1.10	4.92
Selected Other							
India	13.34	99.87	0.02	5.00	95.63	0.50	17.11
Kazakhstan	3.18	13.95	0.09	1.80	6.60	8.78	1.83

1/ Aggregate of local marketing years. 2/ Total foreign and world use adjusted to reflect the differences in world imports and exports. 3/ World imports and exports may not balance due to differences in marketing years, grain in transit, and reporting discrepancies in some countries. 4/ Argentina, Australia, Canada, European Union, Russia, and Ukraine. 5/ Trade excludes intra-trade. 6/ Bangladesh, Brazil, China, South Korea, Japan, Nigeria, Mexico, Turkey, Egypt, Algeria, Libya, Morocco, Tunisia, Indonesia, Malaysia, Philippines, Thailand, Vietnam, Lebanon, Iraq, Iran, Israel, Jordan, Kuwait, Saudi Arabia, Yemen, United Arab Emirates, and Oman. 7/ Algeria, Egypt, Libya, Morocco, and Tunisia. 8/ Lebanon, Iraq, Iran, Israel, Jordan, Kuwait, Saudi Arabia, Yemen, United Arab Emirates, and Oman 9/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 593 - 19

**World Wheat Supply and Use 1/ (Cont'd.)**  
**(Million Metric Tons)**

<b>2019/20 Proj.</b>		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Sep	277.24	765.53	176.79	149.04	756.26	180.83	286.51
	Oct	277.68	765.23	175.68	148.47	755.11	179.68	287.80
World Less China	Sep	137.47	633.53	173.59	128.04	628.26	179.53	140.84
	Oct	137.92	633.23	172.48	127.47	627.11	178.38	142.14
United States	Sep	29.18	53.89	3.67	4.63	32.60	26.54	27.60
	Oct	29.39	53.39	3.27	3.81	31.79	25.86	28.40
Total Foreign	Sep	248.06	711.64	173.12	144.41	723.65	154.30	258.91
	Oct	248.30	711.84	172.41	144.66	723.32	153.82	259.40
Major Exporters 4/	Sep	32.56	325.00	6.66	85.95	200.55	130.50	33.17
	Oct	32.54	324.70	6.66	85.85	200.45	130.00	33.45
Argentina	Sep	1.89	20.50	0.01	0.05	6.05	14.50	1.85
	Oct	1.83	20.50	0.01	0.05	6.05	14.50	1.79
Australia	Sep	4.97	19.00	0.15	5.00	8.50	10.50	5.12
	Oct	4.97	18.00	0.15	5.00	8.50	9.50	5.12
Canada	Sep	6.18	33.30	0.45	4.60	9.60	24.50	5.83
	Oct	5.92	33.00	0.45	4.50	9.50	24.50	5.37
European Union 5/	Sep	10.09	151.00	5.50	56.00	127.50	27.50	11.59
	Oct	10.00	152.00	5.50	56.00	127.50	28.00	12.00
Russia	Sep	7.83	72.50	0.48	17.00	39.50	34.00	7.31
	Oct	8.25	72.50	0.48	17.00	39.50	34.00	7.72
Ukraine	Sep	1.59	28.70	0.08	3.30	9.40	19.50	1.46
	Oct	1.59	28.70	0.08	3.30	9.40	19.50	1.46
Major Importers 6/	Sep	181.61	202.97	114.89	39.36	299.52	12.85	187.10
	Oct	181.41	203.07	114.99	39.66	299.72	13.05	186.70
Bangladesh	Sep	0.70	1.10	6.00	0.00	7.10	0.00	0.70
	Oct	0.66	1.10	6.00	0.30	7.20	0.00	0.56
Brazil	Sep	1.34	5.30	7.50	0.50	12.20	0.60	1.34
	Oct	1.06	5.30	7.70	0.50	12.20	0.60	1.26
China	Sep	139.77	132.00	3.20	21.00	128.00	1.30	145.67
	Oct	139.77	132.00	3.20	21.00	128.00	1.30	145.67
Japan	Sep	0.97	0.95	5.90	0.70	6.50	0.28	1.04
	Oct	0.97	0.95	5.90	0.70	6.50	0.28	1.04
N. Africa 7/	Sep	15.81	18.87	27.40	2.25	46.75	0.69	14.65
	Oct	15.45	18.87	27.40	2.25	46.75	0.89	14.09
Nigeria	Sep	0.20	0.06	5.10	0.05	4.76	0.40	0.20
	Oct	0.20	0.06	5.10	0.05	4.76	0.40	0.20
Sel. Mideast 8/	Sep	11.02	22.46	17.29	3.92	38.94	0.72	11.11
	Oct	11.36	22.46	17.29	3.92	39.04	0.72	11.35
Southeast Asia 9/	Sep	4.81	0.00	27.10	8.04	25.82	1.07	5.03
	Oct	4.92	0.00	27.10	8.04	25.82	1.07	5.14
Selected Other								
India	Sep	16.99	102.19	0.02	6.00	98.00	0.50	20.70
	Oct	17.11	102.19	0.02	6.00	98.00	0.50	20.82
Kazakhstan	Sep	1.50	11.50	0.06	1.80	6.60	5.20	1.26
	Oct	1.83	11.50	0.06	1.80	6.60	5.20	1.59

1/ Aggregate of local marketing years. 2/ Total foreign and world use adjusted to reflect the differences in world imports and exports. 3/ World imports and exports may not balance due to differences in marketing years, grain in transit, and reporting discrepancies in some countries. 4/ Argentina, Australia, Canada, European Union, Russia, and Ukraine. 5/ Trade excludes intra-trade. 6/ Bangladesh, Brazil, China, South Korea, Japan, Nigeria, Mexico, Turkey, Egypt, Algeria, Libya, Morocco, Tunisia, Indonesia, Malaysia, Philippines, Thailand, Vietnam, Lebanon, Iraq, Iran, Israel, Jordan, Kuwait, Saudi Arabia, Yemen, United Arab Emirates, and Oman. 7/ Algeria, Egypt, Libya, Morocco, and Tunisia. 8/ Lebanon, Iraq, Iran, Israel, Jordan, Kuwait, Saudi Arabia, Yemen, United Arab Emirates, and Oman. 9/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 593 - 20

**World Coarse Grain Supply and Use 1/  
(Million Metric Tons)**

<b>2017/18</b>	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	384.76	1,358.87	187.74	834.34	1,372.95	184.88	370.68
World Less China	161.26	1,093.16	171.32	636.79	1,090.35	184.82	147.70
United States	62.17	384.39	2.93	138.73	324.41	67.16	57.92
Total Foreign	322.59	974.49	184.82	695.61	1,048.54	117.72	312.76
Major Exporters 4/	38.41	252.15	3.69	125.38	169.30	97.27	27.68
Argentina	6.70	39.32	0.01	11.93	17.46	24.50	4.06
Australia	2.65	12.19	0.00	3.94	5.81	6.74	2.29
Brazil	14.49	85.06	1.46	56.70	67.18	24.16	9.67
Canada	5.56	26.24	1.77	15.92	23.23	5.78	4.57
Russia	2.06	41.72	0.13	21.57	31.02	11.52	1.37
Ukraine	3.01	34.07	0.05	8.44	11.82	22.50	2.81
Major Importers 5/	38.21	245.11	133.71	283.62	367.84	10.02	39.18
European Union 6/	15.11	152.12	19.40	120.85	162.37	7.92	16.35
Japan	1.69	0.19	17.58	13.67	17.66	0.00	1.80
Mexico	6.00	33.19	16.36	29.20	48.41	0.96	6.18
N. Afr & Mideast 7/	7.13	29.07	39.13	59.33	67.45	0.13	7.76
Saudi Arabia	2.54	0.26	11.99	12.28	12.70	0.00	2.08
Southeast Asia 8/	3.29	30.00	14.54	36.27	44.49	1.01	2.34
South Korea	1.77	0.20	10.19	7.80	10.31	0.00	1.86
Selected Other							
China	223.49	265.72	16.43	197.55	282.60	0.06	222.98
<b>2018/19 Est.</b>							
World 3/	370.68	1,396.07	194.70	852.49	1,415.90	209.09	350.85
World Less China	147.70	1,130.67	183.28	656.94	1,128.43	209.02	138.59
United States	57.92	379.93	2.64	147.75	327.77	54.94	57.77
Total Foreign	312.76	1,016.14	192.06	704.74	1,088.13	154.15	293.08
Major Exporters 4/	27.68	292.16	5.77	124.14	168.65	132.17	24.80
Argentina	4.06	59.23	0.01	12.59	18.55	39.36	5.39
Australia	2.29	10.93	0.00	4.18	6.25	4.67	2.32
Brazil	9.67	104.18	1.70	57.85	68.88	39.05	7.62
Canada	4.57	26.19	2.83	16.32	23.68	5.97	3.94
Russia	1.37	35.00	0.06	18.70	27.27	8.06	1.10
Ukraine	2.81	44.50	0.06	7.93	11.16	34.06	2.16
Major Importers 5/	39.18	242.72	143.69	294.74	379.49	10.09	36.00
European Union 6/	16.35	147.90	26.00	126.60	168.57	8.49	13.18
Japan	1.80	0.18	17.57	13.64	17.76	0.00	1.79
Mexico	6.18	33.11	17.41	30.87	50.11	0.80	5.80
N. Afr & Mideast 7/	7.76	31.08	40.29	62.60	70.73	0.11	8.30
Saudi Arabia	2.08	0.29	10.61	10.75	11.23	0.00	1.75
Southeast Asia 8/	2.34	29.88	16.97	37.69	45.74	0.69	2.76
South Korea	1.86	0.20	10.63	8.25	10.80	0.00	1.89
Selected Other							
China	222.98	265.41	11.42	195.55	287.47	0.07	212.26

1/ Aggregate of local marketing years. Coarse grains include corn, sorghum, barley, oats, rye, millet, and mixed grains (for U.S. excludes millet and mixed grains). 2/ Total foreign and world use adjusted to reflect the differences in world imports and exports. 3/ World imports and exports may not balance due to differences in marketing years, grain in transit, and reporting discrepancies in some countries. 4/ Argentina, Australia, Brazil, Canada, Russia and Ukraine. 5/ The European Union, Japan, Mexico, selected North Africa and Middle East, Saudi Arabia, Southeast Asia, and South Korea. 6/ Trade excludes intra-trade. 7/ Algeria, Egypt, Iran, Israel, Jordan, Libya, Morocco, Syria, Tunisia, and Turkey. 8/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 593 - 21

**World Coarse Grain Supply and Use 1/ (Cont'd.)**  
**(Million Metric Tons)**

<b>2019/20 Proj.</b>		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Sep	355.94	1,396.44	203.02	855.52	1,416.22	204.64	336.16
	Oct	350.85	1,396.68	199.73	855.30	1,413.52	201.01	334.01
World Less China	Sep	143.71	1,133.97	188.07	660.52	1,122.87	204.58	139.92
	Oct	138.59	1,134.21	185.33	660.80	1,120.67	200.95	137.78
United States	Sep	65.94	364.30	3.52	137.56	319.67	54.71	59.37
	Oct	57.77	363.65	3.43	140.51	320.97	50.90	52.98
Total Foreign	Sep	289.99	1,032.15	199.50	717.96	1,096.55	149.93	276.79
	Oct	293.08	1,033.03	196.30	714.79	1,092.55	150.10	281.03
Major Exporters 4/	Sep	23.13	302.69	3.03	127.90	174.14	128.98	25.74
	Oct	24.80	302.69	3.03	126.60	172.82	129.05	28.65
Argentina	Sep	5.39	57.73	0.01	13.02	19.66	36.61	6.86
	Oct	5.39	57.73	0.01	13.02	19.66	36.61	6.86
Australia	Sep	2.22	12.00	0.00	4.50	6.57	5.47	2.19
	Oct	2.32	11.50	0.00	4.40	6.47	5.12	2.24
Brazil	Sep	5.83	104.23	1.70	59.87	71.95	34.01	5.80
	Oct	7.62	104.23	1.70	58.87	70.95	34.01	8.59
Canada	Sep	3.46	28.56	1.03	15.80	23.06	5.96	4.03
	Oct	3.94	28.56	1.03	15.80	23.06	5.96	4.51
Russia	Sep	1.11	39.38	0.09	19.83	28.28	10.49	1.81
	Oct	1.10	39.88	0.09	19.83	28.38	10.92	1.78
Ukraine	Sep	2.87	46.20	0.03	8.21	11.66	34.94	2.51
	Oct	2.16	46.20	0.03	8.01	11.33	34.94	2.12
Major Importers 5/	Sep	34.46	255.45	146.48	302.40	388.27	10.28	37.85
	Oct	36.00	256.34	144.88	301.73	387.42	10.38	39.42
European Union 6/	Sep	12.92	157.81	21.91	126.40	168.97	7.86	15.81
	Oct	13.18	158.75	22.01	126.40	168.97	7.96	17.01
Japan	Sep	1.64	0.18	17.27	13.42	17.51	0.00	1.58
	Oct	1.79	0.18	17.37	13.46	17.57	0.00	1.77
Mexico	Sep	4.94	33.10	19.01	32.41	51.99	1.50	3.56
	Oct	5.80	33.10	18.01	32.41	51.69	1.50	3.72
N. Afr & Mideast 7/	Sep	8.06	32.87	42.72	65.38	73.61	0.19	9.84
	Oct	8.30	32.81	42.92	65.67	74.00	0.19	9.83
Saudi Arabia	Sep	1.85	0.25	13.51	13.25	13.70	0.00	1.92
	Oct	1.75	0.25	12.51	12.25	12.70	0.00	1.82
Southeast Asia 8/	Sep	2.63	30.96	17.26	38.96	47.11	0.74	3.01
	Oct	2.76	30.96	17.26	38.96	47.11	0.74	3.14
South Korea	Sep	1.89	0.20	10.61	8.25	10.84	0.00	1.86
	Oct	1.89	0.20	10.61	8.25	10.84	0.00	1.86
Selected Other								
China	Sep	212.22	262.48	14.95	195.00	293.35	0.06	196.24
	Oct	212.26	262.48	14.40	194.50	292.85	0.06	196.23

1/ Aggregate of local marketing years. Coarse grains include corn, sorghum, barley, oats, rye, millet, and mixed grains (for U.S. excludes millet and mixed grains). 2/ Total foreign and world use adjusted to reflect the differences in world imports and exports. 3/ World imports and exports may not balance due to differences in marketing years, grain in transit, and reporting discrepancies in some countries. 4/ Argentina, Australia, Brazil, Canada, Russia and Ukraine. 5/ The European Union, Japan, Mexico, selected North Africa and Middle East, Saudi Arabia, Southeast Asia, and South Korea. 6/ Trade excludes intra-trade. 7/ Algeria, Egypt, Iran, Israel, Jordan, Libya, Morocco, Syria, Tunisia, and Turkey. 8/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 593 - 22

**World Corn Supply and Use 1/  
(Million Metric Tons)**

<b>2017/18</b>	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	351.35	1,078.08	149.96	672.04	1,088.10	147.78	341.34
World Less China	128.34	819.01	146.50	485.04	825.10	147.76	118.81
United States	58.25	371.10	0.92	134.73	313.98	61.92	54.37
Total Foreign	293.10	706.98	149.05	537.31	774.12	85.86	286.97
Major Exporters 4/	25.32	164.42	1.18	81.63	102.63	71.79	16.49
Argentina	5.27	32.00	0.01	8.50	12.40	22.00	2.88
Brazil	14.02	82.00	0.92	54.00	63.50	24.15	9.28
Russia	0.78	13.20	0.05	7.40	8.30	5.53	0.20
South Africa	3.70	13.10	0.17	6.83	12.23	2.07	2.67
Ukraine	1.55	24.12	0.04	4.90	6.20	18.04	1.47
Major Importers 5/	21.93	126.08	88.35	154.80	208.95	3.72	23.70
Egypt	1.89	6.40	9.46	13.40	15.90	0.01	1.84
European Union 6/	7.60	62.02	18.47	57.00	76.50	1.75	9.84
Japan	1.32	0.00	15.67	12.00	15.60	0.00	1.39
Mexico	5.41	27.57	16.13	24.30	42.50	0.96	5.65
Southeast Asia 7/	3.28	29.95	14.20	36.20	44.10	1.00	2.33
South Korea	1.76	0.07	10.02	7.70	10.00	0.00	1.85
Selected Other							0.00
Canada	2.57	14.10	1.70	8.87	14.02	1.94	2.42
China	223.02	259.07	3.46	187.00	263.00	0.02	222.53
<b>2018/19 Est.</b>							
World 3/	341.34	1,123.22	163.91	704.56	1,140.53	177.88	324.03
World Less China	118.81	865.89	158.91	514.56	867.53	177.86	112.19
United States	54.37	366.29	0.71	142.70	315.20	52.46	53.71
Total Foreign	286.97	756.93	163.20	561.86	825.33	125.42	270.32
Major Exporters 4/	16.49	210.72	2.10	83.50	105.50	109.30	14.51
Argentina	2.88	51.00	0.01	9.70	13.80	36.00	4.09
Brazil	9.28	101.00	1.00	55.00	65.00	39.00	7.28
Russia	0.20	11.42	0.05	7.50	8.40	3.00	0.26
South Africa	2.67	11.50	1.00	6.50	12.20	1.00	1.97
Ukraine	1.47	35.81	0.04	4.80	6.10	30.30	0.91
Major Importers 5/	23.70	128.60	98.18	169.60	224.20	4.79	21.49
Egypt	1.84	6.80	9.70	13.70	16.20	0.01	2.13
European Union 6/	9.84	64.22	24.80	68.00	88.00	3.30	7.55
Japan	1.39	0.00	15.80	12.10	15.80	0.00	1.40
Mexico	5.65	27.60	16.70	25.70	43.90	0.80	5.25
Southeast Asia 7/	2.33	29.83	16.58	37.60	45.30	0.68	2.75
South Korea	1.85	0.08	10.50	8.20	10.55	0.00	1.88
Selected Other							0.00
Canada	2.42	13.89	2.77	9.50	14.70	1.80	2.58
China	222.53	257.33	5.00	190.00	273.00	0.02	211.84

1/ Aggregate of local marketing years. 2/ Total foreign and world use adjusted to reflect the differences in world imports and exports. 3/ World imports and exports may not balance due to differences in marketing years, grain in transit, and reporting discrepancies in some countries. 4/ Argentina, Brazil, Russia, South Africa and Ukraine. 5/ Egypt, the European Union, Japan, Mexico, Southeast Asia, and South Korea. 6/ Trade excludes intra-trade. 7/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 593 - 23

**World Corn Supply and Use 1/ (Cont'd.)**  
**(Million Metric Tons)**

<b>2019/20 Proj.</b>		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Sep	329.55	1,104.88	169.44	694.24	1,128.16	169.90	306.27
	Oct	324.03	1,104.01	166.09	693.86	1,125.49	166.59	302.55
World Less China	Sep	117.71	850.88	162.44	506.24	851.16	169.88	110.45
	Oct	112.19	850.01	159.09	505.86	848.49	166.57	106.73
United States	Sep	62.12	350.52	1.27	131.45	306.21	52.07	55.62
	Oct	53.71	350.01	1.27	134.63	307.74	48.26	48.99
Total Foreign	Sep	267.43	754.36	168.17	562.79	821.95	117.83	250.65
	Oct	270.32	754.00	164.82	559.23	817.76	118.33	253.56
Major Exporters 4/	Sep	13.42	214.00	1.17	86.40	110.10	103.70	14.78
	Oct	14.51	214.50	1.17	85.20	108.80	104.20	17.17
Argentina	Sep	4.09	50.00	0.01	10.30	15.00	33.50	5.59
	Oct	4.09	50.00	0.01	10.30	15.00	33.50	5.59
Brazil	Sep	5.49	101.00	1.00	57.00	68.00	34.00	5.49
	Oct	7.28	101.00	1.00	56.00	67.00	34.00	8.28
Russia	Sep	0.26	13.00	0.04	7.50	8.40	4.70	0.20
	Oct	0.26	13.50	0.04	7.50	8.40	5.20	0.20
South Africa	Sep	1.97	14.00	0.10	6.60	12.30	1.50	2.27
	Oct	1.97	14.00	0.10	6.60	12.30	1.50	2.27
Ukraine	Sep	1.61	36.00	0.02	5.00	6.40	30.00	1.23
	Oct	0.91	36.00	0.02	4.80	6.10	30.00	0.83
Major Importers 5/	Sep	20.16	130.07	96.60	166.70	222.25	4.24	20.34
	Oct	21.49	129.27	95.80	166.50	221.75	4.24	20.56
Egypt	Sep	2.13	7.20	10.00	14.40	16.90	0.01	2.42
	Oct	2.13	6.40	10.20	14.20	16.70	0.01	2.02
European Union 6/	Sep	7.25	64.80	21.00	62.00	82.50	2.00	8.55
	Oct	7.55	64.80	21.00	62.00	82.50	2.00	8.85
Japan	Sep	1.40	0.00	15.60	11.90	15.60	0.00	1.40
	Oct	1.40	0.00	15.60	11.90	15.60	0.00	1.40
Mexico	Sep	4.35	27.00	18.50	27.00	45.50	1.50	2.85
	Oct	5.25	27.00	17.50	27.00	45.20	1.50	3.05
Southeast Asia 7/	Sep	2.62	30.91	16.90	38.90	46.70	0.73	3.00
	Oct	2.75	30.91	16.90	38.90	46.70	0.73	3.12
South Korea	Sep	1.88	0.08	10.50	8.20	10.60	0.00	1.85
	Oct	1.88	0.08	10.50	8.20	10.60	0.00	1.85
Selected Other								
Canada	Sep	2.10	14.00	1.00	8.50	13.70	1.50	1.90
	Oct	2.58	14.00	1.00	8.50	13.70	1.50	2.38
China	Sep	211.84	254.00	7.00	188.00	277.00	0.02	195.82
	Oct	211.84	254.00	7.00	188.00	277.00	0.02	195.82

1/ Aggregate of local marketing years. 2/ Total foreign and world use adjusted to reflect the differences in world imports and exports. 3/ World imports and exports may not balance due to differences in marketing years, grain in transit, and reporting discrepancies in some countries. 4/ Argentina, Brazil, Russia, South Africa and Ukraine. 5/ Egypt, the European Union, Japan, Mexico, Southeast Asia, and South Korea. 6/ Trade excludes intra-trade. 7/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 593 - 24

**World Rice Supply and Use (Milled Basis) 1/  
(Million Metric Tons)**

<b>2017/18</b>	Beginning Stocks	Production	Imports	Total /2 Domestic	Exports	Ending Stocks
World 3/	149.72	494.86	46.73	482.24	47.13	162.34
World Less China	51.22	345.99	41.23	339.75	45.75	53.34
United States	1.46	5.66	0.87	4.30	2.76	0.93
Total Foreign	148.26	489.20	45.86	477.94	44.37	161.41
Major Exporters 4/	27.64	181.69	0.76	144.77	36.45	28.88
Burma	0.55	13.20	0.01	10.20	2.75	0.81
India	20.55	112.76	0.00	98.67	12.04	22.60
Pakistan	1.34	7.50	0.00	3.40	4.01	1.42
Thailand	4.24	20.58	0.25	11.00	11.06	3.01
Vietnam	0.97	27.66	0.50	21.50	6.59	1.03
Major Importers 5/	108.57	241.03	21.35	248.06	1.82	121.06
China	98.50	148.87	5.50	142.49	1.39	109.00
European Union 6/	1.19	2.01	2.01	3.68	0.35	1.18
Indonesia	2.92	37.00	2.35	38.10	0.00	4.16
Nigeria	1.74	4.66	2.00	6.90	0.00	1.50
Philippines	2.00	12.24	1.30	13.25	0.00	2.29
Sel. Mideast 7/	0.86	2.22	3.62	5.80	0.00	0.91
Selected Other						0.00
Brazil	0.63	8.20	0.56	7.75	1.15	0.49
C. Amer & Carib 8/	0.68	1.64	1.66	3.27	0.04	0.68
Egypt	1.43	4.30	0.09	4.20	0.05	1.56
Japan	2.41	7.79	0.69	8.60	0.06	2.22
Mexico	0.17	0.18	0.81	0.92	0.10	0.15
South Korea	2.00	3.97	0.40	4.75	0.06	1.56

**2018/19 Est.**

World 3/	162.34	498.95	44.51	489.44	45.28	171.85
World Less China	53.34	350.46	41.26	346.47	42.51	56.85
United States	0.93	7.12	0.92	4.58	2.97	1.42
Total Foreign	161.41	491.83	43.59	484.86	42.31	170.43
Major Exporters 4/	28.88	185.26	0.66	147.67	33.70	33.43
Burma	0.81	13.18	0.01	10.50	2.60	0.90
India	22.60	116.42	0.00	101.02	11.80	26.20
Pakistan	1.42	7.40	0.00	3.45	4.10	1.27
Thailand	3.01	20.34	0.25	11.20	8.70	3.70
Vietnam	1.03	27.92	0.40	21.50	6.50	1.36
Major Importers 5/	121.06	241.97	17.22	250.07	3.20	126.99
China	109.00	148.49	3.25	142.97	2.77	115.00
European Union 6/	1.18	1.94	2.10	3.78	0.32	1.13
Indonesia	4.16	36.70	0.40	38.00	0.00	3.26
Nigeria	1.50	4.79	2.10	7.10	0.00	1.29
Philippines	2.29	11.73	3.57	14.10	0.00	3.49
Sel. Mideast 7/	0.91	2.01	3.75	5.87	0.00	0.80
Selected Other						0.00
Brazil	0.49	7.14	0.90	7.55	0.75	0.23
C. Amer & Carib 8/	0.68	1.69	1.77	3.43	0.03	0.67
Egypt	1.56	2.80	0.90	4.15	0.02	1.09
Japan	2.22	7.66	0.69	8.50	0.06	2.01
Mexico	0.15	0.19	0.76	0.92	0.03	0.15
South Korea	1.56	3.87	0.41	4.71	0.10	1.02

1/ Aggregate of local marketing years. 2/ Total foreign and world use adjusted to reflect the differences in world imports and exports. Total domestic includes both domestic use and unreported disappearance. 3/ World imports and exports may not balance due to differences in some countries. 4/ Burma, India, Pakistan, Thailand, and Vietnam. 5/ Bangladesh, China, Nigeria, European Union, Philippines, Cote d'Ivoire, Indonesia, Iran, Iraq, and Saudi Arabia. 6/ Trade excludes intra-trade. 7/ Selected Middle East includes Iran, Iraq, and Saudi Arabia. 8/ Central American and Caribbean countries.



## WASDE - 593 - 25

**World Rice Supply and Use (Milled Basis) 1/ (Cont'd.)**  
**(Million Metric Tons)**

<b>2019/20 Proj.</b>		Beginning Stocks	Production	Imports	Total /2 Domestic	Exports	Ending Stocks
World 3/	Sep	171.80	494.22	43.85	493.29	45.12	172.73
	Oct	171.85	497.77	43.85	494.54	45.88	175.09
World Less China	Sep	56.80	348.22	40.75	350.29	41.82	54.93
	Oct	56.85	351.77	40.75	351.54	42.58	57.29
United States	Sep	1.42	5.95	0.94	4.16	3.02	1.14
	Oct	1.42	5.99	0.94	4.16	3.02	1.18
Total Foreign	Sep	170.38	488.27	42.91	489.13	42.10	171.59
	Oct	170.43	491.78	42.91	490.38	42.86	173.91
Major Exporters 4/	Sep	33.40	181.60	0.66	149.25	33.30	33.11
	Oct	33.43	183.60	0.66	149.30	33.98	34.41
Burma	Sep	0.87	13.30	0.01	10.50	2.60	1.08
	Oct	0.90	13.30	0.01	10.50	2.63	1.08
India	Sep	26.20	112.00	0.00	102.00	11.20	25.00
	Oct	26.20	114.00	0.00	102.10	11.80	26.30
Pakistan	Sep	1.27	7.50	0.00	3.55	4.00	1.22
	Oct	1.27	7.50	0.00	3.55	4.00	1.22
Thailand	Sep	3.70	20.50	0.25	11.20	9.00	4.25
	Oct	3.70	20.50	0.25	11.20	9.00	4.25
Vietnam	Sep	1.36	28.30	0.40	22.00	6.50	1.56
	Oct	1.36	28.30	0.40	21.95	6.55	1.56
Major Importers 5/	Sep	126.99	241.50	15.93	251.31	3.71	129.40
	Oct	126.99	241.70	16.03	251.41	3.71	129.60
China	Sep	115.00	146.00	3.10	143.00	3.30	117.80
	Oct	115.00	146.00	3.10	143.00	3.30	117.80
European Union 6/	Sep	1.13	2.01	2.05	3.80	0.30	1.09
	Oct	1.13	2.01	2.05	3.80	0.30	1.09
Indonesia	Sep	3.26	37.40	0.50	38.00	0.00	3.16
	Oct	3.26	37.40	0.60	38.10	0.00	3.16
Nigeria	Sep	1.29	4.90	2.20	7.30	0.00	1.09
	Oct	1.29	4.90	2.20	7.30	0.00	1.09
Philippines	Sep	3.49	12.20	2.70	14.60	0.00	3.79
	Oct	3.49	12.20	2.70	14.60	0.00	3.79
Sel. Mideast 7/	Sep	0.80	2.29	3.68	6.06	0.00	0.71
	Oct	0.80	2.29	3.68	6.06	0.00	0.71
Selected Other							
Brazil	Sep	0.28	7.14	0.95	7.53	0.55	0.29
	Oct	0.23	7.14	1.10	7.60	0.50	0.37
C. Amer & Carib 8/	Sep	0.67	1.55	1.90	3.44	0.03	0.65
	Oct	0.67	1.55	1.90	3.44	0.03	0.65
Egypt	Sep	1.09	3.05	0.60	4.00	0.01	0.73
	Oct	1.09	4.30	0.30	4.35	0.10	1.24
Japan	Sep	1.95	7.70	0.69	8.48	0.06	1.79
	Oct	2.01	7.80	0.69	8.40	0.07	2.03
Mexico	Sep	0.15	0.20	0.79	0.93	0.02	0.19
	Oct	0.15	0.20	0.79	0.93	0.02	0.19
South Korea	Sep	1.02	3.88	0.41	4.48	0.06	0.78
	Oct	1.02	3.88	0.41	4.48	0.06	0.78

1/ Aggregate of local marketing years. 2/ Total foreign and world use adjusted to reflect the differences in world imports and exports. Total domestic includes both domestic use and unreported disappearance. 3/ World imports and exports may not balance due to differences in some countries. 4/ Burma, India, Pakistan, Thailand, and Vietnam. 5/ Bangladesh, China, Nigeria, European Union, Philippines, Cote d'Ivoire, Indonesia, Iran, Iraq, and Saudi Arabia. 6/ Trade excludes intra-trade. 7/ Selected Middle East includes Iran, Iraq, and Saudi Arabia. 8/ Central American and Caribbean countries.

## WASDE - 593 - 26

**World Cotton Supply and Use 1/  
(Million 480-Pound Bales)**

<b>2017/18</b>	Beginning Stocks	Production	Imports	Domestic Use	Exports	Loss /2	Ending Stocks
World	80.29	123.78	41.15	122.77	41.41	0.12	80.93
World Less China	34.37	96.28	35.44	81.77	41.27	0.12	42.94
United States	2.75	20.92	3/	3.23	16.28	-0.03	4.20
Total Foreign	77.54	102.86	41.14	119.54	25.13	0.15	76.73
Major Exporters 4/	21.90	57.10	2.47	32.75	21.75	0.02	26.95
Central Asia 5/	2.18	6.50	3/	3.38	2.53	0.00	2.77
Afr. Fr. Zone 6/	1.46	5.44	3/	0.14	5.06	0.00	1.70
S. Hemis. 7/	10.18	15.70	0.24	4.44	8.64	0.01	13.02
Australia	2.19	4.80	3/	0.04	3.92	0.00	3.04
Brazil	6.93	9.22	0.08	3.40	4.17	0.00	8.66
India	7.88	29.00	1.68	24.15	5.18	0.00	9.23
Major Importers 8/	54.18	42.93	36.04	82.74	2.35	0.12	47.93
Mexico	0.45	1.56	0.93	1.90	0.35	0.03	0.66
China	45.92	27.50	5.71	41.00	0.14	0.00	37.99
European Union 9/	0.19	1.53	0.73	0.75	1.37	0.04	0.30
Turkey	1.53	4.00	4.02	7.45	0.33	0.00	1.78
Pakistan	2.32	8.20	3.40	10.90	0.16	0.03	2.83
Indonesia	0.62	3/	3.50	3.50	0.01	0.00	0.62
Thailand	0.20	3/	1.15	1.13	0.00	0.03	0.20
Bangladesh	1.63	0.14	7.60	7.50	0.00	0.01	1.86
Vietnam	0.88	3/	7.00	6.60	0.00	0.00	1.29
<b>2018/19 Est.</b>							
World	80.93	119.01	42.36	120.23	41.23	0.12	80.73
World Less China	42.94	91.26	32.72	80.73	41.02	0.12	45.06
United States	4.20	18.37	3/	2.98	14.76	-0.02	4.85
Total Foreign	76.73	100.65	42.36	117.25	26.47	0.14	75.88
Major Exporters 4/	26.95	55.06	2.43	33.03	22.16	0.02	29.23
Central Asia 5/	2.77	5.44	3/	3.83	1.87	0.00	2.52
Afr. Fr. Zone 6/	1.70	5.36	3/	0.14	5.55	0.00	1.37
S. Hemis. 7/	13.02	17.12	0.18	4.42	10.81	0.01	15.09
Australia	3.04	2.20	3/	0.04	3.63	0.00	1.57
Brazil	8.66	12.75	0.02	3.40	6.01	0.00	12.01
India	9.23	26.50	1.80	24.00	3.50	0.00	10.03
Major Importers 8/	47.93	42.65	37.50	80.09	2.99	0.11	44.89
Mexico	0.66	1.74	0.85	1.95	0.50	0.03	0.77
China	37.99	27.75	9.64	39.50	0.21	0.00	35.67
European Union 9/	0.30	1.72	0.69	0.72	1.72	0.03	0.24
Turkey	1.78	3.70	3.50	6.80	0.48	0.00	1.69
Pakistan	2.83	7.60	2.85	10.70	0.06	0.03	2.50
Indonesia	0.62	3/	3.05	3.15	0.01	0.00	0.51
Thailand	0.20	3/	1.08	1.08	0.00	0.03	0.18
Bangladesh	1.86	0.14	7.20	7.40	0.00	0.01	1.78
Vietnam	1.29	3/	6.90	7.00	0.00	0.00	1.19

1/ Marketing year beginning August 1. Totals may not add exactly and trade may not balance due to rounding and other factors. 2/ Generally reflects cotton lost or destroyed in the marketing channel; for Australia, Brazil, China, and the United States, reflects the difference between implicit stocks based on supply less total use and indicated ending stocks. 3/ Less than 5,000 bales. 4/ Includes Egypt and Syria in addition to the countries and regions listed. 5/ Azerbaijan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan. 6/ Benin, Burkina Faso, Cameroon, Central African Republic, Chad, Cote d'Ivoire, Mali, Niger, Senegal, and Togo. 7/ Argentina, Australia, Brazil, Lesotho, South Africa, Tanzania, Zambia, and Zimbabwe. 8/ In addition to the countries and regions listed, includes Japan, Russia, South Korea, and Taiwan. 9/ Includes intra-EU trade.

## WASDE - 593 - 27

**World Cotton Supply and Use 1/  
(Million 480-Pound Bales)**

<b>2019/20 Proj.</b>		Beginning Stocks	Production	Imports	Domestic Use	Exports	Loss /2	Ending Stocks
World	Sep	80.80	124.90	43.28	121.74	43.34	0.15	83.75
	Oct	80.73	124.77	42.90	121.61	42.91	0.19	83.69
World Less China	Sep	45.13	97.15	33.28	82.24	43.22	0.15	49.95
	Oct	45.06	97.02	33.40	82.11	42.74	0.19	50.45
United States	Sep	4.85	21.86	0.01	3.00	16.50	0.02	7.20
	Oct	4.85	21.71	0.01	3.00	16.50	0.06	7.00
Total Foreign	Sep	75.95	103.04	43.28	118.74	26.84	0.13	76.55
	Oct	75.88	103.07	42.90	118.61	26.41	0.13	76.69
Major Exporters 4/	Sep	29.29	56.69	2.26	33.96	22.93	0.02	31.33
	Oct	29.23	57.09	2.28	33.94	22.43	0.02	32.21
Central Asia 5/	Sep	2.52	5.40	3/	3.99	1.53	0.00	2.40
	Oct	2.52	5.40	3/	3.99	1.53	0.00	2.40
Afr. Fr. Zone 6/	Sep	1.42	5.89	3/	0.14	5.54	0.00	1.63
	Oct	1.37	5.89	3/	0.14	5.41	0.00	1.71
S. Hemis. 7/	Sep	15.09	15.42	0.16	4.42	11.57	0.01	14.67
	Oct	15.09	14.82	0.18	4.40	11.19	0.01	14.49
Australia	Sep	1.57	1.40	3/	0.04	1.90	0.00	1.04
	Oct	1.57	1.20	3/	0.04	1.70	0.00	1.04
Brazil	Sep	12.06	12.00	0.03	3.40	8.50	0.00	12.19
	Oct	12.01	11.60	0.03	3.40	8.30	0.00	11.94
India	Sep	10.03	29.50	1.60	24.75	4.00	0.00	12.38
	Oct	10.03	30.50	1.60	24.75	4.00	0.00	13.38
Major Importers 8/	Sep	44.88	43.30	38.51	80.59	2.65	0.11	43.34
	Oct	44.89	42.93	38.13	80.49	2.70	0.11	42.64
Mexico	Sep	0.75	1.60	0.85	2.00	0.45	0.03	0.73
	Oct	0.77	1.58	0.85	2.00	0.45	0.03	0.72
China	Sep	35.67	27.75	10.00	39.50	0.13	0.00	33.80
	Oct	35.67	27.75	9.50	39.50	0.18	0.00	33.25
European Union 9/	Sep	0.23	1.71	0.68	0.73	1.62	0.03	0.25
	Oct	0.24	1.76	0.68	0.71	1.67	0.03	0.27
Turkey	Sep	1.69	4.10	3.10	6.80	0.38	0.00	1.72
	Oct	1.69	4.10	3.20	6.90	0.35	0.00	1.74
Pakistan	Sep	2.50	8.00	2.90	10.70	0.08	0.03	2.60
	Oct	2.50	7.60	3.10	10.70	0.05	0.03	2.42
Indonesia	Sep	0.51	3/	3.30	3.20	0.01	0.00	0.61
	Oct	0.51	3/	3.30	3.20	0.01	0.00	0.61
Thailand	Sep	0.18	3/	1.05	1.03	0.00	0.03	0.18
	Oct	0.18	3/	1.05	1.03	0.00	0.03	0.18
Bangladesh	Sep	1.78	0.14	7.30	7.40	0.00	0.01	1.81
	Oct	1.78	0.14	7.30	7.40	0.00	0.01	1.81
Vietnam	Sep	1.19	3/	7.60	7.50	0.00	0.00	1.29
	Oct	1.19	3/	7.50	7.40	0.00	0.00	1.29

1/ Marketing year beginning August 1. Totals may not add exactly and trade may not balance due to rounding and other factors. 2/ Generally reflects cotton lost or destroyed in the marketing channel; for Australia, Brazil, China, and the United States, reflects the difference between implicit stocks based on supply less total use and indicated ending stocks. 3/ Less than 5,000 bales. 4/ Includes Egypt and Syria in addition to the countries and regions listed. 5/ Azerbaijan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan. 6/ Benin, Burkina Faso, Cameroon, Central African Republic, Chad, Cote d'Ivoire, Mali, Niger, Senegal, and Togo. 7/ Argentina, Australia, Brazil, Lesotho, South Africa, Tanzania, Zambia, and Zimbabwe. 8/ In addition to the countries and regions listed, includes Japan, Russia, South Korea, and Taiwan. 9/ Includes intra-EU trade.

## WASDE - 593 - 28

**World Soybean Supply and Use 1/  
(Million Metric Tons)**

<b>2017/18</b>		Beginning Stocks	Production	Imports	Domestic Crush	Domestic Total	Exports	Ending Stocks
World 2/		95.62	341.62	153.00	294.90	338.35	153.07	98.81
World Less China		75.50	326.33	58.90	204.90	232.05	152.93	75.75
United States		8.21	120.07	0.59	55.93	58.87	58.07	11.92
Total Foreign		87.41	221.55	152.40	238.98	279.48	94.99	86.89
Major Exporters 3/		60.64	171.43	4.89	85.08	94.17	85.55	57.25
Argentina		27.00	37.80	4.70	36.93	43.63	2.13	23.73
Brazil		33.21	122.00	0.18	44.21	46.51	76.14	32.74
Paraguay		0.44	10.30	0.01	3.87	3.94	6.03	0.77
Major Importers 4/		22.79	19.19	124.51	116.06	140.35	0.43	25.71
China		20.12	15.28	94.10	90.00	106.30	0.13	23.06
European Union		1.15	2.54	14.58	14.95	16.60	0.28	1.40
Southeast Asia		1.15	0.69	7.71	3.46	8.64	0.02	0.88
Mexico		0.15	0.43	4.87	5.25	5.29	0.00	0.17
<b>2018/19 Est.</b>								
World 2/		98.81	358.77	146.35	299.53	345.37	148.69	109.87
World Less China		75.75	342.87	63.35	214.53	243.27	148.57	90.13
United States		11.92	120.52	0.38	56.94	60.41	47.56	24.85
Total Foreign		86.89	238.26	145.97	242.60	284.96	101.13	85.03
Major Exporters 3/		57.25	183.98	6.62	88.23	97.85	91.80	58.20
Argentina		23.73	55.30	6.47	41.25	48.15	8.15	29.20
Brazil		32.74	117.00	0.15	43.00	45.65	75.40	28.84
Paraguay		0.77	8.85	0.01	3.90	3.98	5.50	0.15
Major Importers 4/		25.71	19.77	115.82	113.40	138.69	0.32	22.29
China		23.06	15.90	83.00	85.00	102.10	0.12	19.74
European Union		1.40	2.66	15.20	16.30	17.96	0.17	1.14
Southeast Asia		0.88	0.66	9.09	4.20	9.56	0.04	1.03
Mexico		0.17	0.34	5.23	5.50	5.54	0.00	0.20
<b>2019/20 Proj.</b>								
World 2/	Sep	112.41	341.39	148.20	306.23	353.41	149.39	99.19
	Oct	109.87	338.97	148.10	305.21	352.34	149.39	95.21
World Less China	Sep	92.67	324.29	63.20	221.23	250.71	149.27	80.17
	Oct	90.13	321.87	63.10	220.21	249.64	149.27	76.19
United States	Sep	27.36	98.87	0.54	57.56	61.04	48.31	17.43
	Oct	24.85	96.62	0.54	57.70	61.19	48.31	12.52
Total Foreign	Sep	85.05	242.52	147.65	248.67	292.37	101.09	81.76
	Oct	85.03	242.35	147.55	247.52	291.15	101.09	82.69
Major Exporters 3/	Sep	57.76	188.40	4.11	92.78	102.76	92.83	54.68
	Oct	58.20	188.40	4.11	91.73	101.75	92.83	56.13
Argentina	Sep	29.35	53.00	3.90	45.00	52.15	8.00	26.10
	Oct	29.20	53.00	3.90	44.00	51.15	8.00	26.95
Brazil	Sep	28.20	123.00	0.20	43.75	46.50	76.50	28.40
	Oct	28.84	123.00	0.20	43.75	46.54	76.50	29.00
Paraguay	Sep	0.20	10.20	0.01	3.95	4.03	6.20	0.18
	Oct	0.15	10.20	0.01	3.90	3.98	6.20	0.18
Major Importers 4/	Sep	22.29	20.99	119.14	113.81	139.96	0.39	22.07
	Oct	22.29	20.81	119.14	113.81	139.96	0.39	21.89
China	Sep	19.74	17.10	85.00	85.00	102.70	0.13	19.02
	Oct	19.74	17.10	85.00	85.00	102.70	0.13	19.02
European Union	Sep	1.14	2.60	15.10	15.90	17.56	0.23	1.05
	Oct	1.14	2.60	15.10	15.90	17.56	0.23	1.05
Southeast Asia	Sep	1.03	0.64	9.89	4.53	10.14	0.04	1.37
	Oct	1.03	0.64	9.89	4.53	10.14	0.04	1.37
Mexico	Sep	0.20	0.40	5.80	5.95	5.99	0.00	0.41
	Oct	0.20	0.22	5.80	5.95	5.99	0.00	0.23

1/ Data based on local marketing years except Argentina and Brazil which are adjusted to an October-September year. 2/ World imports and exports may not balance due to differences in local marketing years and to time lags between reported exports and imports. Therefore, world supply may not equal world use. 3/ Argentina, Brazil, Paraguay, and Uruguay. 4/ China, European Union, Japan, Mexico, and Southeast Asia (includes Indonesia, Malaysia, Philippines, Vietnam, and Thailand). Totals may not add due to rounding.

## WASDE - 593 - 29

**World Soybean Meal Supply and Use 1/  
(Million Metric Tons)**

<b>2017/18</b>	Beginning Stocks	Production	Imports	Domestic Total	Exports	Ending Stocks
World 2/	13.17	232.68	59.91	229.23	64.80	11.72
World Less China	13.17	161.40	59.89	159.13	63.60	11.72
United States	0.36	44.66	0.44	32.24	12.72	0.50
Total Foreign	12.81	188.02	59.47	197.00	52.09	11.22
Major Exporters 3/	7.29	68.86	0.03	25.47	44.16	6.55
Argentina	3.34	28.40	0.00	3.00	26.27	2.48
Brazil	3.32	34.30	0.02	17.71	16.03	3.90
India	0.63	6.16	0.01	4.77	1.86	0.18
Major Importers 4/	1.84	20.48	38.77	58.96	0.66	1.46
European Union	0.49	11.81	18.35	30.04	0.40	0.21
Mexico	0.04	4.15	1.93	6.05	0.02	0.05
Southeast Asia 5/	1.22	2.70	16.75	19.42	0.25	1.01

**2018/19 Est.**

World 2/	11.72	235.22	62.62	230.94	67.37	11.25
World Less China	11.72	167.90	62.60	164.58	66.40	11.25
United States	0.50	44.45	0.64	32.84	12.34	0.41
Total Foreign	11.22	190.77	61.99	198.10	55.04	10.84
Major Exporters 3/	6.55	72.85	0.04	26.80	46.88	5.76
Argentina	2.48	31.65	0.00	3.19	28.60	2.34
Brazil	3.90	33.35	0.03	18.13	15.93	3.21
India	0.18	7.85	0.02	5.48	2.35	0.21
Major Importers 4/	1.46	22.31	38.70	60.44	0.58	1.46
European Union	0.21	12.88	18.30	30.79	0.35	0.25
Mexico	0.05	4.35	1.90	6.23	0.02	0.06
Southeast Asia 5/	1.01	3.28	16.88	19.94	0.22	1.01

**2019/20 Proj.**

World 2/	Sep	11.72	239.96	65.34	236.98	68.18	11.85
	Oct	11.25	239.71	64.41	236.24	67.99	11.14
World Less China	Sep	11.72	172.64	65.29	170.51	67.28	11.85
	Oct	11.25	172.39	64.36	169.77	67.09	11.14
United States	Sep	0.41	45.04	0.45	33.11	12.43	0.36
	Oct	0.41	45.18	0.45	33.25	12.43	0.36
Total Foreign	Sep	11.31	194.92	64.88	203.87	55.75	11.49
	Oct	10.84	194.53	63.95	202.99	55.56	10.78
Major Exporters 3/	Sep	6.26	75.71	0.04	28.15	47.60	6.26
	Oct	5.76	75.46	0.04	28.14	47.40	5.72
Argentina	Sep	2.69	34.00	0.00	3.40	30.50	2.79
	Oct	2.34	33.75	0.00	3.39	30.30	2.40
Brazil	Sep	3.36	33.95	0.03	18.95	15.20	3.19
	Oct	3.21	33.95	0.03	18.95	15.20	3.04
India	Sep	0.21	7.76	0.02	5.80	1.90	0.29
	Oct	0.21	7.76	0.02	5.80	1.90	0.29
Major Importers 4/	Sep	1.52	22.63	40.23	62.05	0.60	1.73
	Oct	1.46	22.63	39.68	61.55	0.60	1.62
European Union	Sep	0.25	12.56	19.00	31.19	0.35	0.27
	Oct	0.25	12.56	19.00	31.19	0.35	0.27
Mexico	Sep	0.05	4.70	2.13	6.75	0.02	0.12
	Oct	0.06	4.70	1.98	6.65	0.02	0.08
Southeast Asia 5/	Sep	1.13	3.54	17.32	20.51	0.23	1.26
	Oct	1.01	3.54	17.02	20.21	0.23	1.13

1/ Data based on local marketing years except for Argentina and Brazil which are adjusted to an October-September year. 2/ World imports and exports may not balance due to differences in local marketing years and to time lags between reported exports and imports. Therefore, world supply may not equal world use. 3/ Argentina, Brazil, and India. 4/ European Union, Southeast Asia, and Japan. 5/ Indonesia, Malaysia, Philippines, Vietnam, and Thailand. Totals may not add due to rounding.

## WASDE - 593 - 30

**World Soybean Oil Supply and Use 1/  
(Million Metric Tons)**

<b>2017/18</b>		Beginning Stocks	Production	Imports	Domestic Total	Exports	Ending Stocks
World 2/		3.76	55.15	9.81	54.71	10.54	3.47
World Less China		3.09	39.02	9.33	38.21	10.32	2.90
United States		0.78	10.78	0.15	9.70	1.11	0.91
Total Foreign		2.98	44.37	9.66	45.01	9.43	2.56
Major Exporters 3/		0.74	19.31	0.33	12.28	7.28	0.83
Argentina		0.28	7.24	0.00	3.08	4.16	0.27
Brazil		0.29	8.50	0.05	6.94	1.51	0.39
European Union		0.16	2.84	0.28	2.23	0.90	0.16
Major Importers 4/		1.37	18.44	5.86	24.48	0.27	0.91
China		0.67	16.13	0.48	16.50	0.21	0.57
India		0.48	1.39	2.98	4.72	0.01	0.12
North Africa 5/		0.13	0.70	1.53	2.18	0.06	0.13
<b>2018/19 Est.</b>							
World 2/		3.47	56.12	11.04	55.52	11.33	3.77
World Less China		2.90	40.89	10.24	39.64	11.12	3.26
United States		0.91	11.02	0.18	10.41	0.92	0.78
Total Foreign		2.56	45.10	10.85	45.11	10.41	2.99
Major Exporters 3/		0.83	20.14	0.43	12.30	8.02	1.08
Argentina		0.27	8.06	0.00	2.68	5.35	0.30
Brazil		0.39	8.25	0.05	7.17	1.11	0.40
European Union		0.16	3.10	0.38	2.41	0.85	0.38
Major Importers 4/		0.91	18.01	6.77	24.36	0.30	1.03
China		0.57	15.23	0.80	15.89	0.21	0.51
India		0.12	1.76	3.30	4.95	0.01	0.23
North Africa 5/		0.13	0.73	1.63	2.28	0.08	0.13
<b>2019/20 Proj.</b>							
World 2/	Sep	3.78	57.25	11.61	57.11	11.85	3.68
	Oct	3.77	57.20	11.74	57.17	11.87	3.68
World Less China	Sep	3.27	42.02	10.51	40.90	11.73	3.18
	Oct	3.26	41.97	10.54	40.88	11.72	3.18
United States	Sep	0.78	11.13	0.20	10.66	0.78	0.67
	Oct	0.78	11.15	0.20	10.66	0.78	0.69
Total Foreign	Sep	3.00	46.13	11.41	46.45	11.07	3.01
	Oct	2.99	46.05	11.54	46.51	11.09	2.98
Major Exporters 3/	Sep	1.11	20.86	0.41	12.48	8.77	1.13
	Oct	1.08	20.80	0.41	12.43	8.76	1.09
Argentina	Sep	0.33	8.70	0.00	2.84	5.85	0.34
	Oct	0.30	8.65	0.00	2.69	5.95	0.31
Brazil	Sep	0.40	8.39	0.05	7.20	1.25	0.39
	Oct	0.40	8.39	0.05	7.30	1.15	0.39
European Union	Sep	0.38	3.02	0.35	2.41	0.95	0.39
	Oct	0.38	3.02	0.35	2.41	0.95	0.39
Major Importers 4/	Sep	1.03	18.04	7.31	25.14	0.21	1.02
	Oct	1.03	18.04	7.41	25.22	0.24	1.02
China	Sep	0.51	15.23	1.10	16.21	0.13	0.50
	Oct	0.51	15.23	1.20	16.29	0.15	0.50
India	Sep	0.23	1.75	3.50	5.24	0.01	0.23
	Oct	0.23	1.75	3.50	5.24	0.01	0.23
North Africa 5/	Sep	0.13	0.73	1.66	2.32	0.08	0.12
	Oct	0.13	0.73	1.66	2.32	0.08	0.12

1/ Data based on local marketing years except for Argentina and Brazil which are adjusted to an October-September year. 2/ World imports and exports may not balance due to differences in local marketing years and to time lags between reported exports and imports. Therefore, world supply may not equal world use. 3/ Argentina, Brazil and European Union. 4/ China, India, and North Africa. 5/ Algeria, Egypt, Morocco, and Tunisia. Totals may not add due to rounding.

## WASDE - 593 - 31

## U.S. Quarterly Animal Product Production 1/

Year and Quarter		Beef	Pork	Red Meat 2/	Broiler	Turkey	Total Poultry 3/	Red Meat & Poultry	Egg	Milk
		<i>Million Pounds</i>							<i>Mil doz</i>	<i>Bil lbs</i>
2018	IV	6,862	7,031	13,952	10,588	1,518	12,239	26,191	2,331	53.4
	Annual	26,872	26,315	53,417	42,601	5,878	49,018	102,435	9,115	217.6
2019	I	6,414	6,838	13,308	10,384	1,446	11,957	25,264	2,307	54.5
	II	6,814	6,615	13,487	10,933	1,450	12,513	26,000	2,337	55.8
	III	6,920	6,705	13,678	11,400	1,430	12,950	26,628	2,340	54.1
	IV*	6,800	7,420	14,277	10,950	1,520	12,597	26,874	2,360	53.8
	Annual									
	Sep Proj.	26,953	27,578	54,756	43,467	5,866	49,847	104,603	9,334	218.0
Oct Proj.	26,948	27,578	54,750	43,667	5,846	50,017	104,767	9,344	218.2	
2020	I*	6,525	7,180	13,762	10,640	1,450	12,216	25,978	2,330	55.6
	II*	7,150	6,825	14,031	11,190	1,460	12,792	26,823	2,350	56.5
	III*	6,955	6,990	14,000	11,565	1,465	13,173	27,173	2,360	54.8
	Annual									
	Sep Proj.	27,670	28,410	56,308	44,000	5,930	50,476	106,784	9,410	221.2
	Oct Proj.	27,670	28,680	56,578	44,385	5,910	50,841	107,419	9,420	221.6

\* Projection. 1/ Commercial production for red meats; federally inspected for poultry meats. 2/ Beef, pork, veal and lamb & mutton. 3/ Broilers, turkeys and mature chicken.

## U.S. Quarterly Prices for Animal Products

Year and Quarter		Steers 2/	Barrows and gilts 3/	Broilers 4/	Turkeys 5/	Eggs 6/	Milk 7/
		<i>Dol./cwt</i>	<i>Dol./cwt</i>	<i>Cents/lb.</i>	<i>Cents/lb.</i>	<i>Cents/doz.</i>	<i>Dol./cwt</i>
2018	IV	115.32	42.77	86.7	81.4	125.6	17.07
	Annual	117.12	45.93	97.8	80.2	137.6	16.26
2019	I	125.27	40.67	94.0	82.8	107.3	16.97
	II	118.79	57.95	97.7	85.5	69.7	17.93
	III	108.16	50.08	82.0	90.8	81.9	19.00
	IV*	110.00	47.00	77.0	95.0	100.0	19.60
	Annual						
	Sep Proj.	113.5	49.5	87.0	88.5	90.5	18.35
Oct Proj.	115.50	49.00	87.50	88.50	89.50	18.40	
2020	I*	120.00	54.00	89.0	86.0	87.0	19.00
	II*	117.00	59.00	100.0	88.0	88.0	18.65
	III*	113.00	61.00	90.0	91.0	105.0	18.85
	Annual						
	Sep Proj.	115	59	92	90	99	18.85
	Oct Proj.	116	58	91	90	99	18.85

\*Projection. 1/ Simple average of months. 2/ 5-Area, Direct, Total all grades 3/ National Base, Live equiv 51-52% lean. 4/ Wholesale, National Composite Weighted Average. 5/ 8-16 lbs, hens National. 6/ Grade A large, New York, volume buyers. 7/ Prices received by farmers for all milk.

## WASDE - 593 - 32

## U.S. Meats Supply and Use

		Beginning Production stocks	1/ Imports	Total Supply	Exports	Ending Stocks	Total Use	Per Capita 2/ 3/	
<i>Million Pounds /4</i>									
Beef	2018	649	26,938	2,998	30,585	3,161	662	26,762	57.2
	2019 Proj. Sep	662	27,019	3,030	30,711	3,141	670	26,900	57.2
	Oct	662	27,014	3,030	30,706	3,126	675	26,905	57.2
	2020 Proj. Sep	670	27,736	2,960	31,366	3,245	675	27,446	58.0
	Oct	675	27,736	2,870	31,281	3,305	675	27,301	57.7
Pork	2018	554	26,330	1,042	27,926	5,876	559	21,491	50.9
	2019 Proj. Sep	559	27,592	956	29,107	6,530	600	21,977	51.8
	Oct	559	27,592	956	29,107	6,580	590	21,937	51.7
	2020 Proj. Sep	600	28,424	915	29,939	7,065	640	22,234	52.1
	Oct	590	28,694	915	30,199	7,300	630	22,269	52.1
Total Red Meat 5/	2018	1,246	53,507	4,313	59,066	9,043	1,266	48,757	109.5
	2019 Proj. Sep	1,266	54,845	4,244	60,355	9,678	1,310	49,367	110.2
	Oct	1,266	54,839	4,239	60,344	9,713	1,310	49,321	110.1
	2020 Proj. Sep	1,310	56,398	4,144	61,852	10,317	1,353	50,182	111.4
	Oct	1,310	56,668	4,029	62,007	10,612	1,344	50,051	111.1
Broiler	2018	856	42,145	139	43,140	7,069	845	35,227	92.4
	2019 Proj. Sep	845	43,002	130	43,976	7,131	845	36,001	93.9
	Oct	845	43,200	130	44,174	7,111	895	36,169	94.3
	2020 Proj. Sep	845	43,529	132	44,506	7,250	840	36,416	94.4
	Oct	895	43,910	132	44,937	7,250	870	36,817	95.4
Turkey	2018	310	5,878	19	6,206	611	303	5,293	16.2
	2019 Proj. Sep	303	5,866	15	6,184	627	295	5,261	16.0
	Oct	303	5,846	13	6,162	637	265	5,259	16.0
	2020 Proj. Sep	295	5,930	16	6,241	630	310	5,301	16.0
	Oct	265	5,910	16	6,191	660	285	5,246	15.8
Total Poultry 6/	2018	1,170	48,562	160	49,892	7,764	1,153	40,975	110.0
	2019 Proj. Sep	1,153	49,381	147	50,682	7,837	1,147	41,698	111.2
	Oct	1,153	49,549	145	50,847	7,830	1,167	41,851	111.6
	2020 Proj. Sep	1,147	50,005	151	51,303	7,960	1,158	42,185	111.8
	Oct	1,167	50,365	151	51,683	7,990	1,163	42,530	112.7
Red Meat & Poultry	2018	2,416	102,069	4,473	108,958	16,807	2,419	89,732	219.5
	2019 Proj. Sep	2,419	104,227	4,392	111,037	17,515	2,457	91,065	221.4
	Oct	2,419	104,389	4,384	111,192	17,543	2,477	91,172	221.7
	2020 Proj. Sep	2,457	106,402	4,295	113,154	18,277	2,511	92,366	223.2
	Oct	2,477	107,033	4,180	113,690	18,602	2,507	92,581	223.8

1/ Total including farm production for red meats and, for poultry, federally inspected plus non-federally inspected, less condemnations. 2/ Pounds, retail-weight basis for red meat and broilers; certified ready-to-cook weight for turkey. 3/ Population source: Dept. of Commerce. 4/ Carcass weight for red meats and certified ready-to-cook weight for poultry. 5/ Beef, pork, veal, lamb and mutton. 6/ Broilers, turkeys and mature chicken.



## WASDE - 593 - 33

## U.S. Egg Supply and Use

	2017	2018	2019 Proj. Sep	2019 Proj. Oct	2020 Proj. Sep	2020 Proj. Oct
Eggs	<i>Million Dozen</i>					
Supply						
Beginning Stocks	142.2	87.5	78.8	78.8	95.0	104.0
Production	8,942.7	9,114.6	9,334.0	9,344.0	9,410.0	9,420.0
Imports	34.2	17.8	16.5	15.5	16.0	16.0
Total Supply	9,119.1	9,220.0	9,429.3	9,438.3	9,521.0	9,540.0
Use						
Exports	354.9	333.1	314.3	314.3	300.0	300.0
Hatching Use	1,035.2	1,057.5	1,068.1	1,073.1	1,090.0	1,090.0
Ending Stocks	87.5	78.8	95.0	104.0	95.0	108.0
Disappearance						
Total	7,641.5	7,750.6	7,951.8	7,946.8	8,036.0	8,042.0
Per Capita (number)	281.8	284.0	289.7	289.5	291.0	291.2

## U.S. Milk Supply and Use

	2017	2018	2019 Proj. Sep	2019 Proj. Oct	2020 Proj. Sep	2020 Proj. Oct
Milk	<i>Billion Pounds</i>					
Production	215.5	217.6	218.0	218.2	221.2	221.6
Farm Use	1.0	1.0	1.0	1.0	1.0	1.0
Fat Basis Supply						
Beg. Commercial Stocks	12.7	13.4	13.8	13.8	13.0	13.0
Marketings	214.5	216.6	217.0	217.1	220.2	220.5
Imports	6.0	6.3	7.0	7.0	6.9	6.5
Total Cml. Supply	233.2	236.3	237.7	237.9	240.1	240.0
Fat Basis Use						
Commercial Exports	9.2	10.4	9.3	9.0	9.6	9.3
Ending Commercial Stocks	13.4	13.8	13.0	13.0	13.0	12.8
CCC Donations	0.0	0.0	0.2	0.2	0.2	0.2
Domestic Commercial Use	210.6	212.1	215.2	215.7	217.3	217.8
Skim-solid Basis Supply						
Beg. Commercial Stocks	9.5	11.8	10.7	10.7	10.0	10.4
Marketings	214.5	216.6	217.0	217.1	220.2	220.5
Imports	6.1	5.5	5.9	5.9	5.6	5.5
Total Cml. Supply	230.1	233.8	233.5	233.7	235.9	236.4
Skim-solid Basis Use						
Commercial Exports	40.8	44.7	40.2	40.0	42.6	43.0
Ending Commercial Stocks	11.8	10.7	10.0	10.4	9.8	9.5
CCC Donations	0.0	0.0	0.2	0.2	0.1	0.1
Domestic Commercial Use	177.5	178.5	183.2	183.1	183.4	183.8

Note: Totals may not add due to rounding.

## WASDE - 593 - 34

## U.S. Dairy Prices

	2017	2018	2019 Proj. Sep	2019 Proj. Oct	2020 Proj. Sep	2020 Proj. Oct
Product Prices 1/	<i>Dollars Per Pound</i>					
Cheese	1.6344	1.5377	1.700	1.710	1.775	1.790
Butter	2.3303	2.2572	2.265	2.260	2.225	2.200
Nonfat Dry Milk	0.8666	0.7945	1.015	1.020	1.035	1.040
Dry Whey	0.4437	0.3422	0.390	0.390	0.375	0.375
	<i>Dollars Per Cwt</i>					
Milk Prices 2/						
Class III	16.17	14.61	16.45	16.55	17.05	17.20
Class IV	15.16	14.23	16.15	16.20	16.15	16.10
All Milk 3/	17.65	16.26	18.35	18.40	18.85	18.85

1/ Simple average of monthly prices calculated by AMS from weekly average dairy product prices for class price computations. 2/ Annual Class III and Class IV prices are the simple averages of monthly minimum Federal order milk prices paid by regulated plants for milk used in the respective classes. All milk price is the simple average of monthly prices received by farmers for milk at average test. 3/ Does not reflect any deductions from producers as authorized by legislation.

## WASDE - 593 - 35

## Reliability of October Projections 1/

Note: Tables on pages 35-37 present a record of the October projection and the final Estimate. Using world wheat production as an example, the "root mean square error" means that chances are 2 out of 3 that the current forecast will not be above or below the final estimate by more than 1.7 percent. Chances are 9 out of 10 (90% confidence level) that the difference will not exceed 2.8 percent. The average difference between the October projection and the final estimate is 7.3 million tons, ranging from 0.1 million to 26.7 million tons. The October projection has been below the estimate 27 times and above 10 times.

	Differences between forecast and final estimate						
	Root mean square error	90 percent confidence interval	Average			Years	
			Average	Smallest	Largest	Below Final	Above Final
	<i>Percent</i>		<i>Million Metric Tons</i>				
<b>WHEAT</b>							
Production							
World	1.7	2.8	7.3	0.1	26.7	27	10
U.S.	0.5	0.8	0.2	0.0	1.2	12	16
Foreign	1.9	3.2	7.3	0.1	26.8	27	10
Exports							
World	5.6	9.6	5.9	0.0	19.3	28	8
U.S.	8.4	14.2	2.3	0.3	10.0	16	21
Foreign	6.7	11.4	5.5	0.5	17.3	30	7
Domestic Use							
World	1.5	2.5	6.5	0.5	22.7	21	16
U.S.	6.1	10.3	1.6	0.1	3.6	10	27
Foreign	1.5	2.6	6.5	0.2	20.3	22	15
Ending Stocks							
World	8.0	13.5	9.9	0.6	32.5	29	8
U.S.	11.6	19.7	2.2	0.0	6.8	22	15
Foreign	8.5	14.3	8.4	0.0	29.3	29	8
<b>COARSE GRAINS 2/</b>							
Production							
World	1.9	3.3	15.7	0.8	51.9	29	8
U.S.	2.7	4.6	4.6	0.1	17.9	22	15
Foreign	2.5	4.3	15.1	0.6	61.4	30	7
Exports							
World	7.3	12.4	7.3	0.1	28.9	25	12
U.S.	15.8	26.9	6.9	0.7	19.3	17	20
Foreign	13.1	22.2	7.6	0.6	21.4	24	13
Domestic Use							
World	1.6	2.6	12.4	0.2	42.4	24	13
U.S.	3.7	6.2	5.7	0.0	17.0	19	18
Foreign	1.8	3.0	11.0	0.0	42.1	25	12
Ending Stocks							
World	13.8	23.5	18.7	0.2	170.0	29	8
U.S.	22.2	37.7	8.8	0.5	29.1	20	17
Foreign	16.9	28.7	16.2	0.7	153.5	32	5
<b>RICE, milled</b>							
Production							
World	2.3	3.9	6.4	0.0	20.9	29	7
U.S.	3.3	5.6	0.2	0.0	0.5	21	16
Foreign	2.3	3.9	6.4	0.1	21.0	29	8
Exports							
World	9.3	15.8	1.7	0.1	6.3	27	10
U.S.	10.4	17.6	0.2	0.0	0.8	19	16
Foreign	10.6	18.0	1.7	0.0	6.3	27	10
Domestic Use							
World	1.8	3.1	4.3	0.3	20.3	29	8
U.S.	7.8	13.3	0.2	0.0	0.6	18	18
Foreign	1.9	3.2	4.3	0.1	20.7	29	8
Ending Stocks							
World	11.5	19.5	5.8	0.2	26.6	29	8
U.S.	23.6	40.0	0.2	0.0	0.8	20	16
Foreign	12.1	20.5	5.9	0.1	26.6	30	7

1/ Footnotes at end of table.

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## Reliability of October Projections (Continued) 1/

	Differences between forecast and final estimate						
	Root mean square error	90 percent confidence interval	Average	Smallest	Largest	Years Below Final	Years Above Final
SOYBEANS	<i>Percent</i>			<i>Million Metric Tons</i>			
Production							
World	4.4	7.5	6.7	0.1	28.7	19	18
U.S.	2.9	4.8	1.5	0.0	4.0	16	21
Foreign	7.2	12.1	6.6	0.0	28.1	18	19
Exports							
World	7.6	12.8	3.7	0.3	13.0	23	14
U.S.	11.5	19.5	2.8	0.1	8.6	23	14
Foreign	17.9	30.4	2.8	0.1	11.4	17	20
Domestic Use							
World	3.1	5.3	4.4	0.0	14.0	22	15
U.S.	3.8	6.5	1.4	0.0	4.5	24	12
Foreign	3.8	6.5	4.2	0.1	11.0	23	14
Ending Stocks							
World	17.5	29.8	5.0	0.3	18.6	21	16
U.S.	43.6	73.9	2.2	0.0	6.6	7	30
Foreign	19.2	32.6	4.4	0.3	19.9	20	17
COTTON	<i>Million 480-Pound Bales</i>						
Production							
World	4.5	7.6	2.9	0.0	10.9	20	16
U.S.	4.6	7.8	0.6	0.0	1.7	22	15
Foreign	5.2	8.8	2.7	0.0	10.5	19	17
Exports							
World	7.7	13.0	1.9	0.1	8.5	22	15
U.S.	17.7	30.1	1.1	0.1	3.1	22	15
Foreign	10.4	17.7	1.5	0.1	8.3	19	18
Domestic Use							
World	3.9	6.6	3.0	0.1	11.7	17	20
U.S.	7.9	13.4	0.4	0.0	1.2	18	18
Foreign	4.0	6.7	3.0	0.0	10.9	17	20
Ending Stocks							
World	13.3	22.6	4.9	0.0	15.1	22	14
U.S.	32.5	55.2	1.2	0.0	4.3	10	26
Foreign	14.3	24.3	4.6	0.2	15.6	26	11

1/ Marketing years 1981/82 through 2018/19 for grains, soybeans and cotton, with the exception of 2013/14. There was no WASDE published in October 2013, due to a partial government shutdown, so no 2013/14 forecasts were published for that month. Final for grains, soybeans and cotton is defined as the first November estimate following the marketing year for 1981/82 through 2017/18, and for 2018/19 the last month's estimate. 2/ Includes corn, sorghum, barley, oats, rye, millet, and mixed grain.

## WASDE - 593 - 37

## Reliability of United States October Projections 1/

	Differences between forecast and final estimate						
	Root mean square error	90 percent confidence interval	Average	Smallest	Largest	Years Below Final	Years Above Final
<b>CORN</b>	<i>Percent</i>		<i>Million Bushels</i>				
Production	2.8	4.8	181	5	618	21	16
Exports	16.3	27.7	248	12	700	17	20
Domestic Use	4.0	6.7	227	5	600	21	16
Ending Stocks	25.0	42.5	328	18	1,187	20	17
<b>SORGHUM</b>							
Production	4.8	8.2	19	0	71	21	15
Exports	24.4	41.3	38	1	130	20	17
Domestic Use	18.9	32.1	37	0	125	18	18
Ending Stocks	48.3	82.0	29	0	142	13	23
<b>BARLEY</b>							
Production	1.5	2.5	4	0	24	9	15
Exports	53.2	90.3	11	0	38	15	17
Domestic Use	7.7	13.1	18	0	70	12	24
Ending Stocks	13.7	23.3	14	1	56	24	13
<b>OATS</b>							
Production	2.5	4.2	2	0	18	6	11
Exports	91.4	155.2	1	0	8	9	12
Domestic Use	5.4	9.2	11	0	39	13	23
Ending Stocks	23.1	39.3	15	1	47	26	11
<b>SOYBEAN MEAL</b>			<i>Thousand Short Tons</i>				
Production	3.6	6.2	1,090	105	2,815	25	12
Exports	11.7	19.9	758	0	2,200	21	15
Domestic Use	3.5	5.9	763	45	2,650	21	16
Ending Stocks	32.6	55.3	50	0	198	15	15
<b>SOYBEAN OIL</b>			<i>Million Pounds</i>				
Production	3.8	6.5	515	1	1,473	27	10
Exports	29.8	50.5	372	25	1,525	21	16
Domestic Use	3.9	6.6	445	20	1,928	25	12
Ending Stocks	26.4	44.9	399	35	1,327	18	19
<b>ANIMAL PROD.</b>			<i>Million Pounds</i>				
Beef	3.9	6.7	783	18	2,461	23	13
Pork	3.2	5.4	404	2	1,592	19	17
Broilers	1.9	3.1	425	23	1,337	22	14
Turkeys	3.7	6.3	141	2	444	19	17
			<i>Million Dozen</i>				
Eggs	1.8	3.1	102	4	468	24	12
			<i>Billion Pounds</i>				
Milk	1.5	2.5	1.7	0.0	6.8	18	13

1/ See pages 35 and 36 for record of reliability for U.S. wheat, rice, soybeans, and cotton. Marketing years 1981/82 through 2018/19 for grains, soybeans, and cotton, with the exception of 2013/14. Final for grains, soybeans, and cotton is defined as the first November estimate following the marketing year for 1981/82 through 2017/18, and for 2018/19 the last month's estimate. Calendar years 1982 through 2018 for meats, eggs, and milk, with the exception of 2013. Final for animal products is defined as the latest annual production estimate published by NASS for 1982-2018. There was no WASDE published in October 2013, due to a partial government shutdown, so no 2013/14 forecasts in that month were published for grains, soybeans, and cotton, and no 2013 forecast was published in that month for animal products.

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## Related USDA Reports

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The *WASDE* report incorporates information from a number of statistical reports published by USDA and other government agencies. In turn, the *WASDE* report provides a framework for more detailed reports issued by USDA's Economic Research Service and Foreign Agricultural Service. For more information on how the *WASDE* report is prepared, go to: <http://www.usda.gov/oce/commodity/wasde>.

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## Supply and Demand Database

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The Foreign Agricultural Service publishes Production, Supply, and Demand Online, a comprehensive database of supply and demand balances by commodity for 190 countries and regions at <https://apps.fas.usda.gov/psdonline/app/index.html>. Data for grains, oilseeds, and cotton are updated monthly and data for other commodities are updated less frequently.

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## Foreign Production Assessments

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Preliminary foreign production assessments and satellite imagery analysis used to prepare the *WASDE* report are provided by the Production Estimates and Crop Assessment Division (PECAD) of the Foreign Agricultural Service. PECAD is located at [www.pecad.fas.usda.gov/](http://www.pecad.fas.usda.gov/).

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## Metric Conversion Factors

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**1 Hectare = 2.4710 Acres**

**1 Kilogram = 2.20462 Pounds**

<b>Metric-Ton Equivalent</b>	<b>= Domestic Unit</b>	<b>Factor</b>
Wheat & Soybeans	bushels	.027216
Rice	cwt	.045359
Corn, Sorghum, & Rye	bushels	.025401
Barley	bushels	.021772
Oats	bushels	.014515
Sugar	short tons	.907185
Cotton	480-lb bales	.217720



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## **World Agricultural Supply and Demand Estimates**

**WASDE-593 – October 10, 2019**

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