

# World Agricultural Supply and Demand Estimates

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**WHEAT:** The U.S. 2018/19 wheat supply and demand estimates are unchanged from last month. There are offsetting by-class changes for both exports and imports. The season-average farm price range is unchanged at the midpoint of \$5.10 per bushel and the range is narrowed \$0.20 per bushel to \$4.70 to \$5.50.

Global wheat supplies for 2018/19 are raised 4.7 million tons on a 3.4-million-ton production increase and higher beginning stocks. The Russian crop is raised 3.0 million tons on harvest results to date in the winter wheat region and continued excellent weather in the spring wheat belt. Kazakhstan is raised 0.5 million tons also on excellent spring wheat conditions. Production is increased 2.7 million tons in India to a record 99.7 million on updated government data. These increases are partially offset by a 2.0-million-ton decrease in Australia and a 1.0-million-ton decrease in Canada, both reflecting continued dry conditions during the growing season. Global exports are lowered 2.5 million tons with a 2.0-million-ton reduction for Australia and a 0.5-million-ton reduction for Canada, both on smaller crops. Indonesia and Iran imports are down 1.0 million tons and 0.5 million tons, respectively. Global use is raised 2.3 million tons primarily on a 2.0-million-ton increase for Russia feed and residual use and a 1.0-million-ton increase for EU feed and residual use. With total supplies rising faster than use, global ending stocks are raised 2.3 million tons to 261.3 million but are 5 percent below last year's record.

**COARSE GRAINS:** This month's 2018/19 U.S. corn outlook is for larger production, increased domestic use, greater exports, and higher ending stocks. Corn production is forecast at 14.827 billion bushels, up 241 million from last month on an increased yield forecast. If realized, the crop would be the second highest on record. Among the major producing states, yields are forecast to be record high in Illinois, Iowa, Nebraska, Indiana, Ohio, and South Dakota. Corn supplies are higher from last month, as a larger crop more than offsets a small decline in beginning stocks due to higher estimated exports for 2017/18. Feed and residual use for 2018/19 is raised 50 million bushels with a larger crop and lower expected prices. Corn used for ethanol is raised 25 million bushels. With supply rising more than use, corn ending stocks are up 90 million bushels from last month. The season-average corn price received by producers is projected 10 cents lower with a midpoint of \$3.50 per bushel.

Global coarse grain production for 2018/19 is forecast up 5.1 million tons to 1,347.2 million. The 2018/19 foreign coarse grain outlook is for lower production, greater consumption, increased trade, and reduced stocks relative to last month. Foreign corn production is forecast higher than last month with projected increases for the EU, Angola, Paraguay, Turkey, and Serbia more than offsetting declines for Canada, South Africa, and Guatemala. EU corn production is raised, mostly reflecting increases for Romania, Hungary, Bulgaria, and France. In both Bulgaria and Romania, yields are expected to be record high. World barley production

is lowered, with reductions for the EU, Australia, and Ukraine more than offsetting increases for Kazakhstan and Russia.

Corn exports for 2018/19 are raised for Ukraine, Serbia, and Paraguay, but lowered for Canada and South Africa. Imports are raised for the EU, Japan, Brazil, and Guatemala, with partly offsetting declines for Algeria and Saudi Arabia. For 2017/18, exports are lowered for both Brazil and Argentina, reflecting slower-than-expected trade to date. Foreign corn ending stocks for 2018/19 are down from last month, with declines for Argentina, South Africa, Ukraine, Canada, and Serbia more than offsetting increases for Angola, Paraguay, the EU, Brazil, Turkey, and India. Global corn stocks, at 157.0 million tons, are up 1.5 million from last month.

**RICE:** U.S. 2018/19 all rice supplies are raised 3.3 million cwt this month to 275.9 million as higher production more than offsets lower beginning stocks. The August 24 NASS *Rice Stocks* report indicated lower 2017/18 ending stocks than previously forecast thereby reducing 2018/19 beginning stocks by 5.4 million cwt. In the September *Crop Production* report, NASS increased the 2018/19 U.S. crop by 8.6 million cwt to 219.5 million on increased harvested acreage and yields. NASS incorporated FSA certified acreage data this month. The average all rice yield increased 40 pounds to 7,563 pounds per acre with forecast yields higher in California, Louisiana, and Texas. Long-grain production is raised by 5.8 million cwt and combined medium- and short-grain is increased by 2.8 million. Total projected domestic and residual usage is increased by 2.0 million cwt to 133.0 million on larger supplies. The all rice export forecast is unchanged at 98.0 million as a 1-million-cwt increase in long-grain on more competitive prices is offset by an equivalent reduction in medium- and short-grain on lower expected exports to Turkey. All rice ending stocks are increased 1.3 million cwt to 44.9 million and are 53 percent higher than 2017/18. The projected 2018/19 all-rice season-average farm price is lowered \$0.20 per cwt at the midpoint to a range of \$11.20 to \$12.20 with reductions in all rice class prices.

Global 2018/19 rice supplies are increased to 632.8 million tons, primarily on higher production and beginning stocks for India. World production is fractionally lower as reductions in China and Bangladesh more than offset India's increased production. Global consumption is increased by 0.6 million tons to 488.4 million, led by India. World trade is raised to a record 49.5 million tons on higher India exports. Global ending stocks increase 0.8 million tons to 144.4 million as higher projected stocks for India, Cote d'Ivoire, and Burma more than offset reduced stocks for China.

**OILSEEDS:** U.S. oilseed production for 2018/19 is projected at 138.4 million tons, up 2.9 million from last month with higher soybean and cottonseed production forecasts partly offset by a lower peanut forecast. Soybean production is projected at a record 4,693 million bushels, up 107 million on a record yield forecast of 52.8 bushels per acre. Soybean supplies are raised with higher production only partly offset by lower beginning stocks. With soybean crush up 10 million bushels and exports unchanged, ending stocks are projected at 845 million bushels, up 60 million from last month.

The 2018/19 U.S. season-average soybean price is forecast at \$7.35 to \$9.85 per bushel, down \$0.30 at the midpoint. Soybean meal prices are lowered \$5.00 at the midpoint to \$290 to \$330 per short ton. Soybean oil prices are unchanged at 28.0 to 32.0 cents per pound.

Changes for 2017/18 include higher exports, higher crush, and lower ending stocks. Exports are increased 20 million bushels to 2,130 million based on official trade data through July and indications from August export inspections. With crush raised 15 million bushels, ending stocks are projected at 395 million bushels, down 35 million from last month.

The 2018/19 global oilseed outlook includes higher production, reduced trade, and increased stocks compared to last month. Higher production of soybeans and cottonseed more than offsets lower forecasts for peanuts, rapeseed, and sunflowerseed. Soybean production is increased 2.2 million tons, with larger crops for the United States and China that are partly offset by lower projections for Canada, India, and Uruguay.

Global soybean exports for 2018/19 are reduced 1.1 million tons to 156.9 million, with lower shipments for Canada and Uruguay. China's 2018/19 soybean imports are reduced 1 million tons to 94 million as slower growth in protein meal demand and lower crush in 2017/18 continues into the next marketing year. Partly offsetting this change are higher imports for Egypt and Iran. Other notable oilseed trade changes include lower palm oil imports for India in 2017/18, with export reductions for Malaysia and Indonesia. Global 2018/19 soybean ending stocks are projected 2.3 million tons higher, with increased stocks for the United States and Argentina that are partly offset by reduced stocks for Brazil.

**SUGAR:** U.S. beet sugar production for 2018/19 is projected up 235,923 short tons, raw value (STRV) to 5.343 million. The increase is based on sugarbeet area and yield forecasts made by NASS in *Crop Production*, on improved sugar extraction based on processor-reported field conditions heading into the harvest campaign, and on a lower projected beet pile shrink. Based on NASS sugarcane yield and area harvested and processors' forecast area for seed, 2018/19 cane sugar production in Louisiana is increased by 4,021 STRV to 1.785 million. Projected imports from Mexico are reduced to 842,150 STRV and projected high-tier tariff imports are increased to 45,000 STRV. There are no changes to 2018/19 sugar use. Ending stocks for 2018/19 are projected at 1.687 million STRV for a stocks-to-use ratio of 13.5 percent.

Mexico ending stocks estimated for 2017/18 are increased by 21,140 metric tons (MT) to 1.268 million. The 2017/18 stocks estimate represents sufficient supplies to cover domestic consumption in 2018/19 before the start of the campaign and 264,000 MT of unsold sugar that is expected to be converted into export certificates by the Fideicomiso Maestro para la Exportación de Excedentes de los Ingenios (FIMAE) and that will be required to be exported in 2018/19 before December 31. For 2018/19, exports are decreased by 431,857 MT to 994,892. This change reflects lower exports to the United States based on a forecast reduction in U.S. Needs as defined in the amended Suspension Agreements that are offset by increased exports to other destinations for sugar under FIMAE. Ending stocks for 2018/19 are projected residually at 1.461 million MT.

**LIVESTOCK, POULTRY, AND DAIRY:** The forecast for total meat production in 2018 is reduced from last month on decreases in commercial pork and turkey production. The annual beef production forecast is unchanged as increases in second-half cattle slaughter are offset by lighter expected carcass weights. The 2018 pork production forecast is reduced on the current pace of slaughter and slightly lighter expected carcass weights in the third quarter. USDA will release the *Quarterly Hogs and Pigs* report on September 27, providing an indication of producer farrowing intentions into early 2019. The second-quarter broiler

production estimate is raised slightly, reflecting revised hatchery data but no change is made to outlying forecasts. Second-half turkey production is lowered on recent production data. For 2019, beef, pork, broiler, and egg production forecasts are unchanged; only a small increase is made to turkey production.

Beef import forecasts are unchanged for 2018 and 2019, while export forecasts are raised on expectations of continued strong demand to a number of key trading partners. Pork imports for 2018 and 2019 are lowered from last month. Pork export forecasts for 2018 and 2019 are raised from the previous month as U.S. pork is expected to remain competitively priced in international markets. Broiler, turkey, and egg export forecasts for 2018 and 2019 are unchanged.

The third-quarter fed steer price forecast is raised from last month on current price strength, but the fourth-quarter forecast is reduced as the pace of marketings is raised. Hog price forecasts for 2018 are lowered on current prices and pressure from expected abundant meat supplies. For 2019, the first-quarter hog price forecast is reduced slightly, but the annual price forecast range is unchanged. Broiler prices are reduced from last month for 2018 and 2019 on strong competition with other meats. The annual turkey price forecast is reduced for 2018 as slightly higher third-quarter turkey prices are more than offset by expected lower prices in the fourth quarter; the 2019 forecast is reduced. The third-quarter egg price forecast for 2018 is reduced on recent prices, but no change is made to the outlying forecasts.

The milk production forecast for 2018 is lowered from the previous month on slightly lower milk cow numbers and a slower rate of growth in milk per cow in the third quarter. However, for 2019, the milk production forecast is raised from the previous month on slightly higher cow inventories. For 2018 and 2019, fat basis export forecasts are reduced from the previous month on slowing shipments of whey products and a number of other dairy products, while fat basis import forecasts for 2018 and 2019 are raised on higher purchases of imported butterfat products and cheese. On a skim-solids basis, the export forecasts for 2018 and 2019 are lowered on weaker whey products sales to China. Skim-solids basis import forecasts for 2018 and 2019 are raised on continued strong purchases of cheese and other miscellaneous dairy products. CCC donations reflect the recent pre-solicitation notice for the Trade Mitigation Food Purchase and Distribution Program.

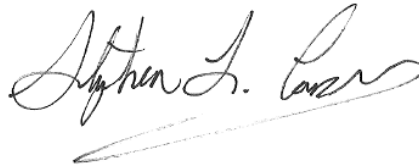
Cheese, NDM, and whey prices are forecast higher for 2018 while butter prices are lowered from the previous month. The 2018 Class III price forecast is raised on higher forecast cheese and whey prices. The Class IV price is raised as higher forecast NDM prices more than offset lower butter prices. For 2019, NDM and whey prices are raised while the butter price forecast is reduced from last month. The 2019 cheese price forecast is unchanged. The all-milk price is raised to \$16.30 to \$16.50 per cwt for 2018 and \$16.75 to \$17.75 per cwt for 2019.

**COTTON:** The 2018/19 U.S. cotton estimates include larger production, exports, and ending stocks relative to last month. Production is raised 447,000 bales, with increases in the Southwest, Delta, and Southeast. Beginning stocks are revised 100,000 bales lower based on indicated stocks as of July 31, 2018, while domestic mill use is reduced slightly in 2017/18 based on recent activity. The 2018/19 export forecast is raised 200,000 bales. Ending stocks are now projected higher at 4.7 million bales, or 25 percent of total use. The forecast range for the marketing-year average farm price is unchanged at 70 to 80 cents per pound.

Larger 2018/19 world cotton production mostly offsets lower beginning stocks, and world ending stocks are only slightly higher this month. Beginning stocks are reduced for India and the United States due to revisions in 2017/18 estimates. Production is raised for China, Brazil, and the United States but is lowered for Australia. Global consumption is increased 300,000 bales due to higher expected use in India, and trade is unchanged. World ending stocks are projected about 400,000 bales higher this month, at 77.5 million bales, equivalent to 61 percent of world consumption. If realized, this stocks/use ratio would be its lowest in 8 years, but higher than in virtually every other year before 2010/11.

Approved by the Secretary of Agriculture and the Chairman of the World Agricultural Outlook Board, Seth D. Meyer, (202) 720-6030. This report was prepared by the Interagency Commodity Estimates Committees.

APPROVED BY:

A handwritten signature in black ink, appearing to read "Stephen L. Censky". The signature is fluid and cursive, with a long horizontal stroke at the end.

STEPHEN CENSKY  
SECRETARY OF AGRICULTURE DESIGNATE

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**In 2018, the WASDE report will be released at 12:00pm Eastern Time  
Oct 11, Nov 8, and Dec 11.**

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

<b>World</b>			<b>Output</b>	<b>Total Supply</b>	<b>Trade 2/</b>	<b>Total Use 3/</b>	<b>Ending Stocks</b>
Total Grains 4/	2016/17		2608.91	3234.01	429.14	2577.78	656.23
	2017/18 (Est.)		2564.90	3221.13	414.75	2577.58	643.54
	2018/19 (Proj.)	Aug	2559.33	3198.92	431.00	2613.28	585.64
		Sep	2567.35	3210.89	430.80	2620.45	590.44
Wheat	2016/17		752.08	996.29	183.34	739.20	257.09
	2017/18 (Est.)		758.27	1015.36	181.40	741.01	274.36
	2018/19 (Proj.)	Aug	729.63	1002.70	183.87	743.74	258.96
		Sep	733.00	1007.35	181.39	746.06	261.29
Coarse Grains 5/	2016/17		1369.93	1618.01	198.59	1355.87	262.14
	2017/18 (Est.)		1315.05	1577.19	185.23	1353.63	223.56
	2018/19 (Proj.)	Aug	1342.13	1564.84	197.87	1381.73	183.11
		Sep	1347.19	1570.75	199.90	1386.00	184.75
Rice, milled	2016/17		486.89	619.71	47.21	482.71	137.00
	2017/18 (Est.)		491.57	628.58	48.12	482.94	145.63
	2018/19 (Proj.)	Aug	487.57	631.38	49.26	487.81	143.57
		Sep	487.16	632.79	49.51	488.39	144.40
<b>United States</b>							
Total Grains 4/	2016/17		472.56	556.09	96.71	363.62	95.76
	2017/18 (Est.)		437.29	541.21	94.24	361.31	85.67
	2018/19 (Proj.)	Aug	442.44	536.86	95.29	368.27	73.31
		Sep	448.84	542.48	96.56	370.13	75.79
Wheat	2016/17		62.83	92.60	28.60	31.86	32.13
	2017/18 (Est.)		47.37	83.79	24.52	29.32	29.95
	2018/19 (Proj.)	Aug	51.08	84.70	27.90	31.35	25.45
		Sep	51.08	84.70	27.90	31.35	25.45
Coarse Grains 5/	2016/17		402.61	454.15	64.46	327.53	62.17
	2017/18 (Est.)		384.26	449.45	66.96	327.71	54.79
	2018/19 (Proj.)	Aug	384.67	443.51	64.28	332.75	46.47
		Sep	390.79	449.02	65.55	334.55	48.92
Rice, milled	2016/17		7.12	9.34	3.65	4.23	1.46
	2017/18 (Est.)		5.66	7.98	2.76	4.28	0.93
	2018/19 (Proj.)	Aug	6.70	8.66	3.11	4.16	1.39
		Sep	6.97	8.76	3.11	4.22	1.43

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).



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**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/	2016/17	2,136.34	2,677.93	332.43	2,214.17	560.47	
	2017/18 (Est.)	2,127.61	2,679.91	320.51	2,216.28	557.88	
	2018/19 (Proj.)	Aug	2,116.89	2,662.06	335.71	2,245.01	512.34
		Sep	2,118.51	2,668.42	334.24	2,250.32	514.65
Wheat	2016/17	689.25	903.70	154.74	707.34	224.96	
	2017/18 (Est.)	710.90	931.58	156.87	711.69	244.41	
	2018/19 (Proj.)	Aug	678.55	918.00	155.97	712.39	233.51
		Sep	681.92	922.66	153.50	714.71	235.85
Coarse Grains 5/	2016/17	967.32	1,163.86	134.13	1,028.35	199.97	
	2017/18 (Est.)	930.80	1,127.74	118.28	1,025.92	168.77	
	2018/19 (Proj.)	Aug	957.47	1,121.33	133.59	1,048.97	136.64
		Sep	956.40	1,121.73	134.35	1,051.45	135.83
Rice, milled	2016/17	479.78	610.38	43.57	478.48	135.54	
	2017/18 (Est.)	485.91	620.60	45.36	478.67	144.70	
	2018/19 (Proj.)	Aug	480.87	622.73	46.14	483.65	142.19
		Sep	480.19	624.03	46.39	484.17	142.98

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	2016/17	106.63	200.07	37.65	116.12	83.79	
	2017/18 (Est.)	123.48	207.28	40.71	123.22	83.79	
	2018/19 (Proj.)	Aug	120.53	205.04	41.82	127.62	77.10
		Sep	121.97	205.76	41.80	127.94	77.46
United States	2016/17	17.17	20.98	14.92	3.25	2.75	
	2017/18 (Est.)	20.92	23.68	15.85	3.23	4.30	
	2018/19 (Proj.)	Aug	19.24	23.64	15.50	3.40	4.60
		Sep	19.68	23.99	15.70	3.40	4.70
Foreign 4/	2016/17	89.46	179.10	22.73	112.87	81.04	
	2017/18 (Est.)	102.56	183.60	24.86	120.00	79.49	
	2018/19 (Proj.)	Aug	101.29	181.40	26.32	124.22	72.50
		Sep	102.29	181.77	26.10	124.54	72.76

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.

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**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	2016/17		574.23	668.71	170.44	469.47	110.91
	2017/18 (Est.)		573.63	684.54	177.30	483.16	110.21
	2018/19 (Proj.)	Aug	603.12	714.78	182.50	501.81	119.94
		Sep	604.67	714.88	181.40	500.30	121.84
Oilmeals	2016/17		320.95	338.04	88.19	318.45	16.26
	2017/18 (Est.)		329.93	346.18	88.38	328.72	13.92
	2018/19 (Proj.)	Aug	343.43	357.17	89.48	340.42	13.84
		Sep	342.53	356.45	89.70	339.02	14.11
Vegetable Oils	2016/17		189.16	210.63	81.12	183.70	20.71
	2017/18 (Est.)		197.23	217.94	80.02	190.31	21.79
	2018/19 (Proj.)	Aug	204.42	225.75	84.45	197.74	22.12
		Sep	203.83	225.62	83.75	196.80	22.87
<b>United States</b>							
Oilseeds	2016/17		126.93	135.31	60.08	56.26	9.60
	2017/18 (Est.)		131.03	142.05	59.21	60.18	12.73
	2018/19 (Proj.)	Aug	135.55	150.61	57.20	60.62	23.19
		Sep	138.44	152.59	57.20	60.87	24.80
Oilmeals	2016/17		43.11	47.31	10.83	36.08	0.41
	2017/18 (Est.)		46.71	50.90	13.37	37.12	0.42
	2018/19 (Proj.)	Aug	46.72	50.93	12.48	38.02	0.42
		Sep	46.94	51.14	12.62	38.10	0.42
Vegetable Oils	2016/17		11.43	17.37	1.42	14.72	1.23
	2017/18 (Est.)		12.04	18.26	1.36	15.50	1.40
	2018/19 (Proj.)	Aug	12.23	18.76	1.25	16.16	1.35
		Sep	12.28	18.80	1.25	16.15	1.40
<b>Foreign 3/</b>							
Oilseeds	2016/17		447.29	533.40	110.36	413.22	101.31
	2017/18 (Est.)		442.60	542.49	118.09	422.99	97.48
	2018/19 (Proj.)	Aug	467.57	564.16	125.30	441.19	96.74
		Sep	466.23	562.29	124.20	439.43	97.04
Oilmeals	2016/17		277.84	290.73	77.36	282.37	15.85
	2017/18 (Est.)		283.22	295.28	75.01	291.61	13.50
	2018/19 (Proj.)	Aug	296.72	306.24	76.99	302.39	13.42
		Sep	295.59	305.31	77.08	300.92	13.69
Vegetable Oils	2016/17		177.73	193.26	79.70	168.98	19.48
	2017/18 (Est.)		185.19	199.68	78.66	174.81	20.38
	2018/19 (Proj.)	Aug	192.19	206.99	83.20	181.58	20.76
		Sep	191.56	206.82	82.50	180.65	21.46

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 - 581 - 11

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

	2016/17	2017/18 Est.	2018/19 Proj. Aug	2018/19 Proj. Sep
			<i>Million Acres</i>	
Area Planted	50.1	46.0	47.8	47.8
Area Harvested	43.9	37.6	39.6	39.6
			<i>Bushels</i>	
Yield per Harvested Acre	52.7	46.3	47.4	47.4
			<i>Million Bushels</i>	
Beginning Stocks	976	1,181	1,100	1,100
Production	2,309	1,741	1,877	1,877
Imports	118	157	135	135
Supply, Total	3,402	3,079	3,112	3,112
Food	949	964	970	970
Seed	61	64	62	62
Feed and Residual	161	48	120	120
Domestic, Total	1,171	1,077	1,152	1,152
Exports	1,051	901	1,025	1,025
Use, Total	2,222	1,978	2,177	2,177
Ending Stocks	1,181	1,100	935	935
Avg. Farm Price (\$/bu) 2/	3.89	4.72	4.60 - 5.60	4.70 - 5.50

## 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</i>			
				<i>Bushels</i>			
2017/18 (Est.)	Beginning Stocks	589	235	215	105	36	1,181
	Production	750	385	292	258	55	1,741
	Supply, Total 3/	1,346	708	511	371	143	3,079
	Domestic Use	394	288	216	90	89	1,077
	Exports	371	228	91	193	18	901
	Use, Total	765	517	306	284	107	1,978
	Ending Stocks, Total	581	191	205	87	36	1,100
2018/19 (Proj.)	Beginning Stocks	581	191	205	87	36	1,100
	Production	661	583	292	267	73	1,877
	Supply, Total 3/	1,248	839	507	364	154	3,112
	Domestic Use	464	292	214	94	88	1,152
	Exports	375	295	120	205	30	1,025
	Use, Total	839	587	334	299	118	2,177
	Ending Stocks, Total	409	252	173	65	36	935
		Sep					
		Aug					
		394	262	178	70	31	935

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 - 581 - 13

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

	2016/17	2017/18 Est.	2018/19 Proj. Aug	2018/19 Proj. Sep
<b>SORGHUM</b>				
	<i>Million Bushels</i>			
Area Planted (mil. acres)	6.7	5.6	6.0	6.0
Area Harvested (mil. acres)	6.2	5.0	5.3	5.3
Yield (bushels/acre)	77.9	72.1	70.9	71.1
Beginning Stocks	37	33	44	49
Production	480	364	375	376
Imports	2	2	0	0
Supply, Total	519	399	420	426
Feed and Residual	133	85	80	80
Food, Seed & Industrial	115	60	125	125
Total Domestic	247	145	205	205
Exports	238	205	175	175
Use, Total	485	350	380	380
Ending Stocks	33	49	40	46
Avg. Farm Price (\$/bu) 2/	2.79	3.25	2.90 - 3.90	2.80 - 3.80
<b>BARLEY</b>				
Area Planted (mil. acres)	3.1	2.5	2.5	2.5
Area Harvested (mil. acres)	2.6	2.0	2.0	2.0
Yield (bushels/acre)	77.9	72.6	76.3	76.3
Beginning Stocks	102	106	95	95
Production	200	142	156	156
Imports	10	9	20	15
Supply, Total	312	257	271	266
Feed and Residual	39	0	15	10
Food, Seed & Industrial	162	157	155	155
Total Domestic	201	158	170	165
Exports	4	5	5	5
Use, Total	205	163	175	170
Ending Stocks	106	95	96	96
Avg. Farm Price (\$/bu) 2/	4.96	4.47	4.00 - 5.20	4.10 - 5.30
<b>OATS</b>				
Area Planted (mil. acres)	2.8	2.6	2.9	2.9
Area Harvested (mil. acres)	1.0	0.8	1.0	1.0
Yield (bushels/acre)	66.0	61.7	65.1	65.1
Beginning Stocks	57	50	41	41
Production	65	49	66	66
Imports	90	89	95	95
Supply, Total	212	189	202	202
Feed and Residual	82	68	80	80
Food, Seed & Industrial	76	78	79	79
Total Domestic	158	146	159	159
Exports	3	2	2	2
Use, Total	161	148	161	161
Ending Stocks	50	41	41	41
Avg. Farm Price (\$/bu) 2/	2.06	2.59	2.50 - 3.10	2.50 - 3.10

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 - 581 - 14

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

TOTAL RICE	2016/17	2017/18 Est.	2018/19 Proj.	2018/19 Proj.
			Aug	Sep
		<i>Million Acres</i>		
Area Planted	3.15	2.46	2.84	2.94
Area Harvested	3.10	2.37	2.80	2.90
		<i>Pounds</i>		
Yield per Harvested Acre	7,237	7,507	7,523	7,563
		<i>Million Hundredweight</i>		
Beginning Stocks 2/	46.5	46.0	34.8	29.4
Production	224.1	178.2	210.9	219.5
Imports	23.5	26.9	27.0	27.0
Supply, Total	294.1	251.2	272.6	275.9
Domestic & Residual 3/	133.2	134.8	131.0	133.0
Exports, Total 4/	114.8	87.0	98.0	98.0
Rough	40.4	28.6	34.0	33.0
Milled (rough equiv.)	74.4	58.4	64.0	65.0
Use, Total	248.0	221.8	229.0	231.0
Ending Stocks	46.0	29.4	43.6	44.9
Avg. Milling Yield (%) 5/	70.00	70.00	70.00	70.00
Avg. Farm Price (\$/cwt) 6/	10.40	12.60	11.40 - 12.40	11.20 - 12.20

**LONG-GRAIN RICE**

Harvested Acres (mil.)	2.40	1.75		
Yield (pounds/acre)	6,927	7,314		
Beginning Stocks	22.7	31.0	23.4	20.3
Production	166.5	127.9	153.7	159.5
Supply, Total 7/	209.4	182.2	200.6	203.3
Domestic & Residual 3/	101.8	98.6	102.0	103.0
Exports 8/	76.6	63.3	68.0	69.0
Use, Total	178.4	161.9	170.0	172.0
Ending Stocks	31.0	20.3	30.6	31.3
Avg. Farm Price (\$/cwt) 6/	9.61	11.70	10.50 - 11.50	10.30 - 11.30

**MEDIUM & SHORT-GRAIN RICE**

Harvested Acres (mil.)	0.69	0.63		
Yield (pounds/acre)	8,311	8,048		
Beginning Stocks	20.9	11.5	7.9	7.6
Production	57.7	50.4	57.2	60.0
Supply, Total 7/	81.1	67.5	68.5	71.2
Domestic & Residual 3/	31.4	36.2	29.0	30.0
Exports 8/	38.2	23.7	30.0	29.0
Use, Total	69.6	59.9	59.0	59.0
Ending Stocks	11.5	7.6	9.5	12.2
Avg. Farm Price (\$/cwt) 1/ 6/ 9/	13.10	15.00	14.40 - 15.40	14.20 - 15.20
California 10/	14.10	16.60	16.00 - 17.00	15.80 - 16.80
Other States 1/	10.10	12.10	10.80 - 11.80	10.60 - 11.60

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; 2017/18-1.4. 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 broken 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 August WASDE SAFP forecast and the final price has averaged \$1.65 per cwt from 2008/09-2013/14, with a high of \$3.50 per cwt in 2008/09 and a low of \$0.60 per cwt in 2009/10. 10/ Marketing year beginning October 1.

## WASDE - 581 - 15

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

SOYBEANS	2016/17	2017/18 Est.	2018/19 Proj.	2018/19 Proj.
			Aug	Sep
		<i>Million Acres</i>		
Area Planted	83.4	90.1	89.6	89.6
Area Harvested	82.7	89.5	88.9	88.9
		<i>Bushels</i>		
Yield per Harvested Acre	52.0	49.1	51.6	52.8
		<i>Million Bushels</i>		
Beginning Stocks	197	302	430	395
Production	4,296	4,392	4,586	4,693
Imports	22	22	25	25
Supply, Total	4,515	4,715	5,040	5,113
Crushings	1,901	2,055	2,060	2,070
Exports	2,166	2,130	2,060	2,060
Seed	105	104	103	103
Residual	41	32	33	34
Use, Total	4,214	4,321	4,256	4,268
Ending Stocks	302	395	785	845
Avg. Farm Price (\$/bu) 2/	9.47	9.35	7.65 - 10.15	7.35 - 9.85
<b>SOYBEAN OIL</b>				
		<i>Million Pounds</i>		
Beginning Stocks	1,687	1,711	2,171	2,156
Production 4/	22,123	23,645	23,795	23,910
Imports	319	350	300	300
Supply, Total	24,129	25,706	26,266	26,366
Domestic Disappearance	19,862	21,100	22,000	22,000
Biodiesel 3/	6,200	7,000	7,800	7,800
Food, Feed & other Industrial	13,662	14,100	14,200	14,200
Exports	2,556	2,450	2,200	2,200
Use, Total	22,418	23,550	24,200	24,200
Ending stocks	1,711	2,156	2,066	2,166
Avg. Price (c/lb) 2/	32.48	30.00	28.00 - 32.00	28.00 - 32.00
<b>SOYBEAN MEAL</b>				
		<i>Thousand Short Tons</i>		
Beginning Stocks	264	401	400	400
Production 4/	44,787	48,899	48,700	48,950
Imports	350	500	350	350
Supply, Total	45,400	49,800	49,450	49,700
Domestic Disappearance	33,420	35,000	35,700	35,800
Exports	11,580	14,400	13,350	13,500
Use, Total	45,000	49,400	49,050	49,300
Ending Stocks	401	400	400	400
Avg. Price (\$/s.t.) 2/	316.88	345.00	295.00 - 335.00	290.00 - 330.00

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 2,065 million bushels for 2017/18 and 2,070 million bushels for 2018/19.

## WASDE - 581 - 16

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

	2016/17	2017/18 Est.	2018/19 Proj.	2018/19 Proj.
			Aug	Sep
	<i>1,000 Short Tons, Raw Value</i>			
Beginning Stocks	2,054	1,876	2,103	2,072
Production 2/	8,969	9,255	9,088	9,328
Beet Sugar	5,103	5,245	5,107	5,343
Cane Sugar	3,866	4,011	3,981	3,985
Florida	2,055	1,983	2,050	2,050
Hawaii	43	0	0	0
Louisiana	1,628	1,859	1,781	1,785
Texas	140	169	150	150
Imports	3,244	3,366	3,560	2,776
TRQ 3/	1,611	1,727	1,539	1,539
Other Program 4/	419	325	350	350
Other 5/	1,213	1,314	1,670	887
Mexico	1,201	1,269	1,655	842
Total Supply	14,267	14,497	14,751	14,177
Exports	95	170	85	85
Deliveries	12,258	12,255	12,405	12,405
Food 6/	12,102	12,100	12,250	12,250
Other 7/	156	155	155	155
Miscellaneous	38	0	0	0
Total Use	12,391	12,425	12,490	12,490
Ending Stocks	1,876	2,072	2,261	1,687
Stocks to Use Ratio	15.1	16.7	18.1	13.5

1/ Fiscal years beginning Oct 1. Data and projections correspond to category components from "Sweetener Market Data" (SMD). 2/ Production projections for 2017/18 and 2018/19 are based on Crop Production and processor projections where appropriate. 3/ For 2017/18, WTO raw sugar TRQ shortfall (239) and for 2018/19 (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 2017/18 (45) and 2018/19 (45). 6/ After 2014/15, SMD deliveries for domestic human food use and for miscellaneous uses reported separately. 7/ 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: 2016/17 -- 389; estimated 2017/18 -- 265; projected 2018/19 -- 346.

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

		Beginning Stocks	Production	Imports	Domestic 2/	Exports	Ending Stocks	
		<i>1,000 Metric Tons, Actual Weight</i>						
Sugar	2017/18 Est.	Aug	1,002	6,009	190	4,727	1,228	1,247
		Sep	1,002	6,010	190	4,727	1,207	1,268
2018/19 Proj.		Aug	1,247	6,025	115	4,952	1,427	1,008
		Sep	1,268	6,025	115	4,952	995	1,461

1/ HFCS consumption by Mexico (1,000 metric tons, dry basis): Oct-Sep 2016/17 = 1,522, Estimated 2017/18 = 1,608; Oct - Jul 2016/17 = 1,259; Oct - Jul 2017/18 = 1,320; Projected 2018/19 = 1,608. 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: 2017/18 (390 est); 2018/19 (390). Other Deliveries/Ending Year Statistical Adjustments: 2017/18 (0), 2018/19 (0).



## WASDE - 581 - 17

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

	2016/17	2017/18 Est.	2018/19 Proj.	2018/19 Proj.
			Aug	Sep
Area				
			<i>Million Acres</i>	
Planted	10.07	12.61	13.52	14.04
Harvested	9.51	11.10	10.14	10.55
			<i>Pounds</i>	
Yield per Harvested Acre	867	905	911	895
			<i>Million 480 Pound Bales</i>	
Beginning Stocks	3.80	2.75	4.40	4.30
Production	17.17	20.92	19.24	19.68
Imports	0.01	0.00	0.01	0.01
Supply, Total	20.98	23.68	23.64	23.99
Domestic Use	3.25	3.23	3.40	3.40
Exports, Total	14.92	15.85	15.50	15.70
Use, Total	18.17	19.07	18.90	19.10
Unaccounted 2/	0.06	0.30	0.14	0.19
Ending Stocks	2.75	4.30	4.60	4.70
Avg. Farm Price 3/	68.0	68.0	70.00 - 80.00	70.00 - 80.00

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 - 581 - 18

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

<b>2016/17</b>	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	244.21	752.08	179.11	147.07	739.20	183.34	257.09
United States	26.55	62.83	3.21	4.37	31.86	28.60	32.13
Total Foreign	217.66	689.25	175.89	142.70	707.34	154.74	224.96
Major Exporters 4/	25.34	227.73	5.95	65.87	151.40	84.05	23.56
Argentina	0.82	18.40	0.00	0.05	5.15	13.83	0.25
Australia	3.85	31.82	0.14	4.00	7.45	22.64	5.72
Canada	5.18	32.14	0.50	5.82	10.80	20.16	6.86
European Union 5/	15.49	145.37	5.30	56.00	128.00	27.43	10.73
Major Importers 6/	142.29	199.18	96.35	36.28	277.46	5.48	154.89
Brazil	1.00	6.73	7.35	0.80	12.20	0.62	2.26
China	97.04	128.85	4.41	16.50	118.50	0.75	111.05
Sel. Mideast 7/	16.68	19.14	18.11	4.44	37.75	0.53	15.65
N. Africa 8/	16.63	14.08	28.30	2.35	44.55	0.57	13.89
Pakistan	3.82	25.63	0.00	0.80	24.50	0.60	4.35
Southeast Asia 9/	5.19	0.00	26.91	9.89	25.47	1.02	5.61
Selected Other							
India	14.54	87.00	5.90	4.70	97.12	0.52	9.80
FSU-12	16.79	130.09	7.34	27.62	78.65	54.42	21.15
Russia	5.61	72.53	0.50	17.00	40.00	27.81	10.83
Kazakhstan	2.60	14.99	0.08	2.10	6.90	7.40	3.36
Ukraine	3.35	26.79	0.04	3.60	10.30	18.11	1.77
<b>2017/18 Est.</b>							
World 3/	257.09	758.27	179.59	144.38	741.01	181.40	274.36
United States	32.13	47.37	4.28	1.32	29.32	24.52	29.95
Total Foreign	224.96	710.90	175.30	143.06	711.69	156.87	244.41
Major Exporters 4/	23.56	220.97	6.43	66.11	152.38	71.73	26.84
Argentina	0.25	18.00	0.01	0.05	5.55	12.00	0.70
Australia	5.72	21.30	0.15	3.80	7.28	14.50	5.40
Canada	6.86	29.98	0.45	4.26	9.16	21.95	6.18
European Union 5/	10.73	151.68	5.82	58.00	130.40	23.28	14.56
Major Importers 6/	154.89	202.76	93.87	32.41	277.64	6.52	167.35
Brazil	2.26	4.26	7.00	0.50	12.00	0.25	1.27
China	111.05	129.77	4.00	13.50	117.00	1.00	126.82
Sel. Mideast 7/	15.65	18.33	18.28	5.11	38.86	0.78	12.62
N. Africa 8/	13.89	19.25	27.44	2.25	45.13	0.82	14.63
Pakistan	4.35	26.67	0.01	1.00	25.00	1.20	4.83
Southeast Asia 9/	5.61	0.00	26.02	8.94	25.39	1.05	5.19
Selected Other							
India	9.80	98.51	1.17	5.00	95.83	0.44	13.20
FSU-12	21.15	142.22	8.24	31.71	82.86	68.80	19.95
Russia	10.83	84.99	0.47	21.00	44.00	41.42	10.87
Kazakhstan	3.36	14.80	0.06	2.10	6.90	8.50	2.83
Ukraine	1.77	26.98	0.06	3.30	9.80	17.78	1.24

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, and the European Union. 5/ Trade excludes intra-trade. 6/ Brazil, China, Japan, Mexico, N. Africa, Pakistan, selected Middle East, and Southeast Asia. 7/ Lebanon, Iraq, Iran, Israel, Jordan, Kuwait, Saudi Arabia, Yemen, United Arab Emirates, and Oman. 8/ Algeria, Egypt, Libya, Morocco, and Tunisia. 9/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 581 - 19

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

2018/19 Proj.		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Aug	273.07	729.63	181.68	138.45	743.74	183.87	258.96
	Sep	274.36	733.00	179.12	140.74	746.06	181.39	261.29
United States	Aug	29.95	51.08	3.67	3.27	31.35	27.90	25.45
	Sep	29.95	51.08	3.67	3.27	31.35	27.90	25.45
Total Foreign	Aug	243.13	678.55	178.01	135.19	712.39	155.97	233.51
	Sep	244.41	681.92	175.44	137.48	714.71	153.50	235.85
Major Exporters 4/	Aug	25.67	211.50	6.11	61.10	147.20	77.70	18.38
	Sep	26.84	208.50	6.61	61.20	147.30	75.20	19.45
Argentina	Aug	0.70	19.50	0.01	0.10	5.70	14.20	0.31
	Sep	0.70	19.50	0.01	0.10	5.70	14.20	0.31
Australia	Aug	4.90	22.00	0.15	4.60	8.10	16.00	2.95
	Sep	5.40	20.00	0.15	4.10	7.60	14.00	3.95
Canada	Aug	5.96	32.50	0.45	4.40	9.40	24.50	5.01
	Sep	6.18	31.50	0.45	4.00	9.00	24.00	5.13
European Union 5/	Aug	14.12	137.50	5.50	52.00	124.00	23.00	10.12
	Sep	14.56	137.50	6.00	53.00	125.00	23.00	10.06
Major Importers 6/	Aug	167.70	202.62	95.22	35.25	284.92	6.86	173.77
	Sep	167.35	202.66	93.31	35.29	284.72	6.76	171.84
Brazil	Aug	1.27	4.70	7.50	0.50	12.10	0.30	1.07
	Sep	1.27	4.70	7.50	0.50	12.10	0.30	1.07
China	Aug	126.82	128.00	4.50	17.00	122.00	1.20	136.12
	Sep	126.82	128.00	4.50	17.00	122.00	1.20	136.12
Sel. Mideast 7/	Aug	12.62	18.86	18.46	4.81	39.08	1.14	9.73
	Sep	12.62	18.86	17.80	4.81	39.09	1.04	9.15
N. Africa 8/	Aug	14.58	21.10	25.95	2.25	45.95	0.69	14.99
	Sep	14.63	21.10	25.90	2.25	45.90	0.69	15.05
Pakistan	Aug	4.83	26.30	0.01	1.20	25.30	1.20	4.64
	Sep	4.83	26.30	0.01	1.20	25.30	1.20	4.64
Southeast Asia 9/	Aug	5.47	0.00	27.40	8.54	26.29	1.07	5.51
	Sep	5.19	0.00	26.20	8.54	26.09	1.07	4.23
Selected Other								
India	Aug	13.20	97.00	0.50	5.00	98.00	0.40	12.30
	Sep	13.20	99.70	0.20	5.00	98.00	0.50	14.60
FSU-12	Aug	18.52	122.54	8.91	26.36	76.64	61.03	12.31
	Sep	19.95	126.04	8.71	28.56	79.34	61.03	14.33
Russia	Aug	9.22	68.00	0.60	16.00	38.00	35.00	4.82
	Sep	10.87	71.00	0.50	18.00	40.50	35.00	6.87
Kazakhstan	Aug	2.83	14.50	0.06	2.00	6.80	8.50	2.09
	Sep	2.83	15.00	0.06	2.20	7.00	8.50	2.39
Ukraine	Aug	1.41	25.50	0.03	3.00	9.20	16.50	1.24
	Sep	1.24	25.50	0.03	3.00	9.20	16.50	1.06

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, and the European Union. 5/ Trade excludes intra-trade. 6/ Brazil, China, Japan, Mexico, N. Africa, Pakistan, selected Middle East, and Southeast Asia. 7/ Lebanon, Iraq, Iran, Israel, Jordan, Kuwait, Saudi Arabia, Yemen, United Arab Emirates, and Oman. 8/ Algeria, Egypt, Libya, Morocco, and Tunisia. 9/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 581 - 20

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

<b>2016/17</b>	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	248.08	1,369.93	172.79	800.47	1,355.87	198.59	262.14
United States	48.11	402.61	3.43	144.75	327.53	64.46	62.17
Total Foreign	199.97	967.32	169.37	655.72	1,028.35	134.13	199.97
Major Exporters 4/	18.07	212.15	2.45	90.23	121.45	77.85	33.37
Argentina	3.27	48.57	0.01	10.77	16.04	29.11	6.70
Australia	1.50	17.27	0.00	4.22	6.09	9.99	2.68
Brazil	7.01	101.58	1.55	53.45	64.03	31.61	14.49
Canada	4.97	26.62	0.79	14.26	21.98	4.85	5.56
Major Importers 5/	45.03	241.16	120.78	275.29	357.91	11.05	38.02
European Union 6/	15.52	152.95	15.61	119.87	160.84	8.09	15.16
Japan	1.76	0.18	17.00	13.26	17.25	0.00	1.68
Mexico	5.89	33.26	15.24	27.95	46.85	1.54	6.01
N. Afr & Mideast 7/	10.49	24.90	34.15	54.69	62.49	0.16	6.89
Saudi Arabia	4.40	0.25	11.53	13.22	13.62	0.00	2.56
Southeast Asia 8/	4.37	29.35	13.68	34.96	42.94	1.27	3.19
South Korea	1.95	0.20	9.32	7.25	9.62	0.00	1.85
Selected Other							
China	112.09	226.87	16.06	173.90	252.95	0.11	101.95
FSU-12	6.32	92.74	0.76	41.04	56.36	36.53	6.92
Russia	1.67	40.77	0.28	22.48	32.08	8.57	2.07
Ukraine	3.17	39.22	0.04	9.06	12.53	26.90	3.00
<b>2017/18 Est.</b>							
World 3/	262.14	1,315.05	185.57	815.86	1,353.63	185.23	223.56
United States	62.17	384.26	3.03	141.96	327.71	66.96	54.79
Total Foreign	199.97	930.80	182.54	673.91	1,025.92	118.28	168.77
Major Exporters 4/	33.37	176.54	3.26	93.43	125.51	64.02	23.64
Argentina	6.70	39.33	0.01	10.89	16.42	26.11	3.51
Australia	2.68	11.91	0.00	3.29	5.16	7.77	1.66
Brazil	14.49	84.79	1.55	57.51	67.96	22.01	10.86
Canada	5.56	26.24	1.58	15.28	23.04	5.82	4.52
Major Importers 5/	38.02	245.08	131.40	282.75	366.55	10.22	37.72
European Union 6/	15.16	152.97	18.98	121.15	162.67	7.87	16.57
Japan	1.68	0.19	17.07	13.31	17.31	0.00	1.64
Mexico	6.01	32.51	16.45	29.30	48.31	1.30	5.36
N. Afr & Mideast 7/	6.89	29.41	38.21	58.74	66.65	0.16	7.70
Saudi Arabia	2.56	0.36	12.10	12.64	13.20	0.00	1.82
Southeast Asia 8/	3.19	29.37	14.38	35.86	43.92	0.90	2.12
South Korea	1.85	0.20	10.00	7.61	10.13	0.00	1.92
Selected Other							
China	101.95	223.39	17.00	179.22	262.08	0.08	80.18
FSU-12	6.92	88.80	0.75	39.22	54.28	36.27	5.92
Russia	2.07	41.71	0.14	21.67	31.12	11.27	1.54
Ukraine	3.00	34.07	0.05	8.02	11.40	23.00	2.72

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, Canada, Brazil, and South Africa. 5/ The European Union, Mexico, Japan, selected North Africa and Middle East, South Korea, Southeast Asia, and Taiwan. 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 - 581 - 21

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

<b>2018/19 Proj.</b>		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Aug	222.70	1,342.13	190.02	830.83	1,381.73	197.87	183.11
	Sep	223.56	1,347.19	191.52	833.05	1,386.00	199.90	184.75
United States	Aug	55.30	384.67	3.55	144.24	332.75	64.28	46.47
	Sep	54.79	390.79	3.44	145.40	334.55	65.55	48.92
Total Foreign	Aug	167.41	957.47	186.48	686.59	1,048.97	133.59	136.64
	Sep	168.77	956.40	188.09	687.65	1,051.45	134.35	135.83
Major Exporters 4/	Aug	24.61	200.27	2.00	94.48	127.48	75.02	24.38
	Sep	23.64	198.47	2.27	94.48	127.38	74.32	22.68
Argentina	Aug	4.62	48.85	0.01	10.90	16.55	30.31	6.62
	Sep	3.51	48.85	0.01	11.40	16.95	30.31	5.11
Australia	Aug	1.66	12.35	0.00	2.74	4.59	8.27	1.16
	Sep	1.66	11.51	0.00	2.54	4.39	7.67	1.12
Brazil	Aug	10.86	97.49	1.25	58.59	70.04	29.02	10.54
	Sep	10.86	97.49	1.55	58.59	70.04	29.02	10.84
Canada	Aug	4.31	27.53	0.61	15.58	23.04	5.42	3.99
	Sep	4.52	27.03	0.61	15.28	22.74	5.42	4.00
Major Importers 5/	Aug	36.75	242.58	135.63	291.01	374.42	10.42	30.12
	Sep	37.72	240.91	136.83	291.35	374.90	9.92	30.65
European Union 6/	Aug	15.79	150.43	18.86	123.25	164.32	7.96	12.80
	Sep	16.57	148.63	20.96	124.55	165.62	7.46	13.08
Japan	Aug	1.64	0.19	16.87	13.42	17.41	0.00	1.28
	Sep	1.64	0.19	16.77	13.22	17.21	0.00	1.38
Mexico	Aug	5.36	31.89	18.31	31.62	50.84	1.50	3.22
	Sep	5.36	31.69	18.31	31.62	50.84	1.50	3.02
N. Afr & Mideast 7/	Aug	7.39	30.07	38.24	60.74	68.70	0.20	6.80
	Sep	7.70	30.40	38.04	60.51	68.48	0.20	7.45
Saudi Arabia	Aug	1.82	0.34	13.21	13.35	13.88	0.00	1.50
	Sep	1.82	0.34	12.61	12.95	13.48	0.00	1.30
Southeast Asia 8/	Aug	2.22	29.39	15.66	36.38	44.31	0.77	2.20
	Sep	2.12	29.39	15.66	36.26	44.31	0.77	2.09
South Korea	Aug	1.92	0.20	10.39	8.11	10.62	0.00	1.89
	Sep	1.92	0.20	10.39	8.11	10.62	0.00	1.89
Selected Other								
China	Aug	80.18	232.81	16.90	184.35	270.43	0.07	59.39
	Sep	80.18	232.81	16.90	184.35	270.43	0.07	59.39
FSU-12	Aug	5.87	89.67	0.72	36.61	50.98	40.03	5.24
	Sep	5.92	90.56	0.68	36.40	50.77	41.43	4.95
Russia	Aug	1.60	35.98	0.18	18.88	27.83	8.84	1.09
	Sep	1.54	36.48	0.18	18.88	27.83	9.34	1.03
Ukraine	Aug	2.70	40.10	0.04	7.70	10.89	29.16	2.78
	Sep	2.72	39.70	0.04	7.50	10.69	29.46	2.30

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, Canada, Brazil, and South Africa. 5/ The European Union, Mexico, Japan, selected North Africa and Middle East, South Korea, Southeast Asia, and Taiwan. 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 - 581 - 22

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

2016/17	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	209.98	1,078.56	135.56	633.14	1,060.71	160.05	227.83
United States	44.12	384.78	1.45	138.95	313.83	58.27	58.25
Total Foreign	165.86	693.78	134.11	494.19	746.88	101.78	169.58
Major Exporters 4/	9.31	157.05	0.87	65.96	84.36	59.88	22.99
Argentina	1.45	41.00	0.01	7.50	11.20	25.99	5.27
Brazil	6.77	98.50	0.85	51.00	60.50	31.60	14.02
South Africa	1.10	17.55	0.00	7.46	12.66	2.29	3.70
Major Importers 5/	22.45	124.91	80.41	147.96	201.01	5.00	21.75
Egypt	2.22	6.00	8.77	12.70	15.10	0.01	1.89
European Union 6/	6.71	61.89	15.02	55.00	74.00	2.19	7.44
Japan	1.35	0.00	15.17	11.60	15.20	0.00	1.32
Mexico	5.21	27.58	14.57	22.50	40.40	1.54	5.42
Southeast Asia 7/	4.36	29.30	13.48	34.90	42.70	1.26	3.18
South Korea	1.94	0.08	9.23	7.21	9.41	0.00	1.83
Selected Other							0.00
Canada	2.45	13.89	0.71	7.50	12.96	1.52	2.57
China	110.77	219.55	2.46	162.00	232.00	0.08	100.71
FSU-12	2.60	47.79	0.35	17.67	20.51	27.16	3.07
Ukraine	1.39	27.97	0.03	5.10	6.50	21.33	1.55
<b>2017/18 Est.</b>							
World 3/	227.83	1,033.64	147.55	652.62	1,067.32	146.17	194.15
United States	58.25	370.96	1.02	138.44	317.77	61.60	50.86
Total Foreign	169.58	662.68	146.54	514.18	749.56	84.57	143.29
Major Exporters 4/	22.99	127.80	1.01	69.40	88.70	47.30	15.79
Argentina	5.27	32.00	0.01	8.00	11.90	23.00	2.38
Brazil	14.02	82.00	1.00	55.00	64.50	22.00	10.52
South Africa	3.70	13.80	0.00	6.40	12.30	2.30	2.90
Major Importers 5/	21.75	124.94	86.80	153.70	207.55	3.90	22.04
Egypt	1.89	6.40	9.40	13.40	15.90	0.01	1.78
European Union 6/	7.44	62.28	18.00	57.00	76.50	1.70	9.51
Japan	1.32	0.00	15.20	11.60	15.20	0.00	1.32
Mexico	5.42	26.80	16.20	24.30	42.30	1.30	4.82
Southeast Asia 7/	3.18	29.32	14.10	35.80	43.60	0.89	2.11
South Korea	1.83	0.08	9.80	7.50	9.80	0.00	1.91
Selected Other							0.00
Canada	2.57	14.10	1.50	8.40	14.00	1.80	2.37
China	100.71	215.89	4.00	167.00	241.00	0.05	79.55
FSU-12	3.07	42.07	0.44	16.04	18.74	24.26	2.58
Ukraine	1.55	24.12	0.05	4.50	5.80	18.50	1.41

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, and South Africa. 5/ Egypt, the European Union, Mexico, Japan, South Korea, Taiwan, and Southeast Asia. 6/ Trade excludes intra-trade. 7/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 581 - 23

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

<b>2018/19 Proj.</b>		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Aug	193.33	1,061.05	152.32	671.40	1,098.89	159.61	155.49
	Sep	194.15	1,069.00	153.98	676.92	1,106.12	161.71	157.03
United States	Aug	51.50	370.51	1.27	140.34	320.82	59.69	42.77
	Sep	50.86	376.62	1.27	141.61	322.72	60.96	45.06
Total Foreign	Aug	141.83	690.54	151.05	531.06	778.08	99.92	112.72
	Sep	143.29	692.38	152.71	535.31	783.40	100.75	111.97
Major Exporters 4/	Aug	16.90	149.00	0.71	70.60	91.10	58.00	17.51
	Sep	15.79	148.50	1.01	71.10	91.50	57.90	15.90
Argentina	Aug	3.49	41.00	0.01	8.00	12.00	27.00	5.49
	Sep	2.38	41.00	0.01	8.50	12.40	27.00	3.98
Brazil	Aug	10.52	94.50	0.70	56.00	66.50	29.00	10.22
	Sep	10.52	94.50	1.00	56.00	66.50	29.00	10.52
South Africa	Aug	2.90	13.50	0.00	6.60	12.60	2.00	1.80
	Sep	2.90	13.00	0.00	6.60	12.60	1.90	1.40
Major Importers 5/	Aug	20.85	121.69	88.10	158.10	211.75	3.77	15.12
	Sep	22.04	122.69	90.10	162.00	215.65	3.77	15.42
Egypt	Aug	1.78	6.40	9.70	13.60	16.10	0.01	1.77
	Sep	1.78	6.40	9.70	13.60	16.10	0.01	1.77
European Union 6/	Aug	8.21	59.80	18.00	60.00	79.00	1.50	5.51
	Sep	9.51	60.80	19.50	63.50	82.50	1.50	5.81
Japan	Aug	1.32	0.00	14.50	11.20	14.80	0.00	1.02
	Sep	1.32	0.00	15.00	11.60	15.20	0.00	1.12
Mexico	Aug	4.82	26.00	16.20	25.00	43.20	1.50	2.32
	Sep	4.82	26.00	16.20	25.00	43.20	1.50	2.32
Southeast Asia 7/	Aug	2.21	29.34	15.50	36.20	44.10	0.76	2.19
	Sep	2.11	29.34	15.50	36.20	44.10	0.76	2.08
South Korea	Aug	1.91	0.08	10.20	8.00	10.30	0.00	1.88
	Sep	1.91	0.08	10.20	8.00	10.30	0.00	1.88
Selected Other								
Canada	Aug	2.37	14.80	0.50	8.50	13.90	1.55	2.22
	Sep	2.37	14.30	0.50	8.30	13.70	1.45	2.02
China	Aug	79.55	225.00	5.00	174.00	251.00	0.05	58.50
	Sep	79.55	225.00	5.00	174.00	251.00	0.05	58.50
FSU-12	Aug	2.58	47.70	0.39	16.34	19.04	28.95	2.68
	Sep	2.58	47.76	0.35	16.20	18.90	29.45	2.34
Ukraine	Aug	1.39	31.00	0.03	5.00	6.30	24.50	1.61
	Sep	1.41	31.00	0.03	4.90	6.20	25.00	1.23

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, and South Africa. 5/ Egypt, the European Union, Mexico, Japan, South Korea, Taiwan, and Southeast Asia. 6/ Trade excludes intra-trade. 7/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 581 - 24

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

<b>2016/17</b>	Beginning Stocks	Production	Imports	Total /2 Domestic	Exports	Ending Stocks
World 3/	132.82	486.89	41.29	482.71	47.21	137.00
United States	1.48	7.12	0.75	4.23	3.65	1.46
Total Foreign	131.35	479.78	40.54	478.48	43.57	135.54
Major Exporters 4/	29.48	163.15	0.76	132.88	33.39	27.12
India	18.40	109.70	0.00	95.78	11.77	20.55
Pakistan	1.12	6.85	0.01	3.10	3.52	1.37
Thailand	8.40	19.20	0.25	12.00	11.62	4.24
Vietnam	1.56	27.40	0.50	22.00	6.49	0.97
Major Importers 5/	10.02	65.90	11.90	77.41	1.18	9.24
Brazil	0.31	8.38	0.61	8.00	0.83	0.48
European Union 6/	1.18	2.08	1.84	3.60	0.32	1.18
Indonesia	3.51	36.86	0.35	37.80	0.00	2.92
Nigeria	1.53	3.78	2.50	6.55	0.00	1.26
Philippines	2.12	11.69	1.10	12.90	0.00	2.00
Sel. Mideast 7/	0.86	1.78	3.87	5.63	0.00	0.88
Selected Other						0.00
Burma	1.24	12.65	0.01	10.00	3.35	0.55
C. Amer & Carib 8/	0.52	1.67	1.77	3.36	0.04	0.56
China	78.50	144.95	5.30	141.45	0.81	86.50
Egypt	0.92	4.80	0.10	4.30	0.10	1.43
Japan	2.55	7.93	0.71	8.65	0.05	2.49
Mexico	0.13	0.18	0.87	0.92	0.09	0.17
South Korea	1.83	4.20	0.41	4.65	0.00	1.78

**2017/18 Est.**

World 3/	137.00	491.57	47.91	482.94	48.12	145.63
United States	1.46	5.66	0.85	4.28	2.76	0.93
Total Foreign	135.54	485.91	47.05	478.67	45.36	144.70
Major Exporters 4/	27.12	169.72	0.65	135.13	34.60	27.77
India	20.55	112.91	0.00	98.66	12.80	22.00
Pakistan	1.37	7.50	0.00	3.20	4.30	1.37
Thailand	4.24	20.37	0.25	11.17	10.50	3.19
Vietnam	0.97	28.94	0.40	22.10	7.00	1.21
Major Importers 5/	9.24	66.56	13.92	78.32	1.24	10.16
Brazil	0.48	8.21	0.68	8.03	0.85	0.48
European Union 6/	1.18	2.04	1.90	3.65	0.36	1.11
Indonesia	2.92	37.00	2.00	38.00	0.00	3.91
Nigeria	1.26	3.78	2.60	6.70	0.00	0.94
Philippines	2.00	12.24	1.30	13.15	0.00	2.39
Sel. Mideast 7/	0.88	1.93	3.70	5.75	0.00	0.76
Selected Other						0.00
Burma	0.55	13.20	0.01	10.00	3.10	0.66
C. Amer & Carib 8/	0.56	1.68	1.74	3.33	0.04	0.60
China	86.50	145.99	5.50	142.70	1.30	93.99
Egypt	1.43	4.30	0.05	4.40	0.05	1.33
Japan	2.49	7.79	0.69	8.65	0.05	2.26
Mexico	0.17	0.18	0.85	0.92	0.10	0.19
South Korea	1.78	3.97	0.41	4.88	0.06	1.23

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/ India, Pakistan, Thailand, and Vietnam. 5/ Brazil, Indonesia, Hong Kong, Cote d'Ivoire, Nigeria, Philippines, selected Middle East, and the EU-28. 6/ Trade excludes intra-trade. 7/ Selected Middle East includes Iran, Iraq, and Saudi Arabia. 8/ Central American and Caribbean countries.



## WASDE - 581 - 25

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

<b>2018/19 Proj.</b>		Beginning Stocks	Production	Imports	Total /2 Domestic	Exports	Ending Stocks
World 3/	Aug	143.82	487.57	46.66	487.81	49.26	143.57
	Sep	145.63	487.16	46.74	488.39	49.51	144.40
United States	Aug	1.10	6.70	0.86	4.16	3.11	1.39
	Sep	0.93	6.97	0.86	4.22	3.11	1.42
Total Foreign	Aug	142.71	480.87	45.81	483.65	46.14	142.19
	Sep	144.70	480.19	45.88	484.17	46.39	142.98
Major Exporters 4/	Aug	26.17	166.67	0.65	133.90	34.80	24.78
	Sep	27.77	167.67	0.65	134.90	35.30	25.88
India	Aug	20.40	109.00	0.00	98.00	12.50	18.90
	Sep	22.00	110.00	0.00	99.00	13.00	20.00
Pakistan	Aug	1.37	7.40	0.00	3.30	4.30	1.17
	Sep	1.37	7.40	0.00	3.30	4.30	1.17
Thailand	Aug	3.19	21.20	0.25	10.20	11.00	3.44
	Sep	3.19	21.20	0.25	10.20	11.00	3.44
Vietnam	Aug	1.21	29.07	0.40	22.40	7.00	1.28
	Sep	1.21	29.07	0.40	22.40	7.00	1.28
Major Importers 5/	Aug	9.76	66.65	13.90	79.35	1.08	9.88
	Sep	10.16	66.60	13.80	79.10	1.13	10.32
Brazil	Aug	0.38	8.02	0.70	8.05	0.70	0.35
	Sep	0.48	8.02	0.65	8.05	0.75	0.36
European Union 6/	Aug	1.11	2.00	2.00	3.68	0.35	1.08
	Sep	1.11	2.00	2.00	3.68	0.35	1.08
Indonesia	Aug	3.91	37.30	1.20	38.20	0.00	4.21
	Sep	3.91	37.30	1.20	38.20	0.00	4.21
Nigeria	Aug	0.94	3.78	3.00	6.90	0.00	0.82
	Sep	0.94	3.78	3.00	6.90	0.00	0.82
Philippines	Aug	2.40	12.35	1.10	13.40	0.00	2.45
	Sep	2.39	12.30	1.20	13.35	0.00	2.54
Sel. Mideast 7/	Aug	0.76	1.74	3.95	5.78	0.00	0.67
	Sep	0.76	1.74	3.95	5.78	0.00	0.67
Selected Other							
Burma	Aug	0.56	13.40	0.01	9.90	3.50	0.57
	Sep	0.66	13.40	0.01	10.10	3.20	0.77
C. Amer & Carib 8/	Aug	0.60	1.72	1.92	3.56	0.03	0.65
	Sep	0.60	1.72	1.92	3.56	0.03	0.66
China	Aug	93.99	142.20	5.50	144.00	1.70	95.99
	Sep	93.99	140.80	5.50	143.50	1.70	95.09
Egypt	Aug	1.33	3.30	0.40	4.40	0.02	0.61
	Sep	1.33	3.30	0.40	4.40	0.02	0.61
Japan	Aug	2.26	7.60	0.69	8.40	0.05	2.10
	Sep	2.26	7.79	0.69	8.59	0.05	2.10
Mexico	Aug	0.19	0.18	0.88	0.94	0.09	0.22
	Sep	0.19	0.18	0.88	0.94	0.09	0.22
South Korea	Aug	1.23	3.73	0.41	4.48	0.05	0.84
	Sep	1.23	3.73	0.41	4.48	0.05	0.84

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/ India, Pakistan, Thailand, and Vietnam. 5/ Brazil, Indonesia, Hong Kong, Cote d'Ivoire, Nigeria, Philippines, selected Middle East, and the EU-28. 6/ Trade excludes intra-trade. 7/ Selected Middle East includes Iran, Iraq, and Saudi Arabia. 8/ Central American and Caribbean countries.

## WASDE - 581 - 26

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

<b>2016/17</b>	Beginning Stocks	Production	Imports	Domestic Use	Exports	Loss /2	Ending Stocks
World	93.44	106.63	37.69	116.12	37.65	0.21	83.79
United States	3.80	17.17	0.01	3.25	14.92	0.06	2.75
Total Foreign	89.64	89.46	37.69	112.87	22.73	0.15	81.04
Major Exporters 4/	22.68	50.69	3.63	32.26	19.52	0.01	25.21
Central Asia 5/	2.35	5.99	3/	2.82	3.34	0.00	2.17
Afr. Fr. Zone 6/	1.38	5.09	3/	0.14	4.33	0.01	2.00
S. Hemis 7/	8.76	12.25	0.37	4.29	7.04	-0.02	10.06
Australia	1.88	4.05	3/	0.04	3.73	-0.03	2.19
Brazil	5.71	7.02	0.19	3.20	2.79	0.00	6.93
India	9.94	27.00	2.74	24.35	4.55	0.00	10.78
Major Importers 8/	65.26	35.86	31.91	76.66	2.03	0.14	54.20
Mexico	0.61	0.77	1.00	1.75	0.15	0.03	0.45
China	56.70	22.75	5.03	38.50	0.06	0.00	45.92
European Union 9/	0.25	1.31	0.69	0.71	1.33	0.05	0.17
Turkey	1.53	3.20	3.68	6.50	0.33	0.00	1.58
Pakistan	2.62	7.70	2.45	10.30	0.13	0.03	2.32
Indonesia	0.53	0.01	3.39	3.30	0.01	0.00	0.62
Thailand	0.20	3/	1.23	1.20	0.00	0.03	0.20
Bangladesh	1.52	0.13	6.80	6.80	0.00	0.01	1.63
Vietnam	0.78	3/	5.50	5.40	0.00	0.00	0.88
<b>2017/18 Est.</b>							
World	83.79	123.48	40.92	123.22	40.71	0.47	83.79
United States	2.75	20.92	3/	3.23	15.85	0.30	4.30
Total Foreign	81.04	102.56	40.91	120.00	24.86	0.17	79.49
Major Exporters 4/	25.21	56.67	2.49	33.42	21.44	0.02	29.49
Central Asia 5/	2.17	6.60	3/	3.49	2.57	0.00	2.71
Afr. Fr. Zone 6/	2.00	5.22	3/	0.14	4.84	0.00	2.25
S. Hemis 7/	10.06	15.39	0.24	4.46	8.52	0.01	12.70
Australia	2.19	4.70	3/	0.04	3.92	0.00	2.94
Brazil	6.93	9.22	0.08	3.40	4.17	0.00	8.66
India	10.78	29.00	1.70	24.70	5.20	0.00	11.58
Major Importers 8/	54.20	42.94	35.80	82.50	2.35	0.15	47.95
Mexico	0.45	1.56	0.93	1.90	0.35	0.03	0.65
China	45.92	27.50	5.73	41.00	0.13	0.00	38.02
European Union 9/	0.17	1.54	0.73	0.76	1.37	0.06	0.25
Turkey	1.58	4.00	4.02	7.30	0.33	0.00	1.98
Pakistan	2.32	8.20	3.30	10.80	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	1.15	0.00	0.03	0.18
Bangladesh	1.63	0.14	7.60	7.50	0.00	0.01	1.86
Vietnam	0.88	3/	6.90	6.60	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, Paraguay, South Africa, Tanzania, and Zimbabwe. 8/ In addition to the countries and regions listed, includes Hong Kong, Japan, Russia, South Korea, and Taiwan. 9/ Includes intra-EU trade.

## WASDE - 581 - 27

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

<b>2018/19 Proj.</b>		Beginning Stocks	Production	Imports	Domestic Use	Exports	Loss /2	Ending Stocks
World	Aug	84.51	120.53	41.80	127.62	41.82	0.30	77.10
	Sep	83.79	121.97	41.79	127.94	41.80	0.35	77.46
United States	Aug	4.40	19.24	0.01	3.40	15.50	0.14	4.60
	Sep	4.30	19.68	0.01	3.40	15.70	0.19	4.70
Total Foreign	Aug	80.11	101.29	41.79	124.22	26.32	0.16	72.50
	Sep	79.49	102.29	41.79	124.54	26.10	0.16	72.76
Major Exporters 4/	Aug	30.28	55.34	2.22	34.42	22.39	0.02	31.01
	Sep	29.49	55.33	2.22	34.72	22.14	0.02	30.16
Central Asia 5/	Aug	2.77	5.90	3/	3.71	2.38	0.00	2.58
	Sep	2.71	5.85	3/	3.71	2.38	0.00	2.48
Afr. Fr. Zone 6/	Aug	2.22	5.28	3/	0.14	4.97	0.00	2.39
	Sep	2.25	5.28	3/	0.14	4.97	0.00	2.42
S. Hemis 7/	Aug	12.61	14.92	0.22	4.69	10.20	0.01	12.86
	Sep	12.70	14.96	0.22	4.69	10.04	0.01	13.14
Australia	Aug	2.86	3.55	3/	0.04	4.30	0.00	2.07
	Sep	2.94	3.00	3/	0.04	3.90	0.00	2.01
Brazil	Aug	8.63	9.50	0.08	3.60	5.30	0.00	9.31
	Sep	8.66	10.00	0.08	3.60	5.50	0.00	9.63
India	Aug	12.43	28.70	1.50	25.20	4.50	0.00	12.93
	Sep	11.58	28.70	1.50	25.50	4.40	0.00	11.88
Major Importers 8/	Aug	47.74	42.95	37.09	85.74	2.66	0.14	39.25
	Sep	47.95	43.95	37.09	85.74	2.71	0.14	40.41
Mexico	Aug	0.65	1.75	0.90	1.90	0.55	0.03	0.83
	Sep	0.65	1.75	0.90	1.90	0.55	0.03	0.83
China	Aug	37.79	26.50	7.00	42.50	0.15	0.00	28.64
	Sep	38.02	27.50	7.00	42.50	0.15	0.00	29.87
European Union 9/	Aug	0.25	1.56	0.70	0.75	1.45	0.05	0.26
	Sep	0.25	1.56	0.70	0.75	1.45	0.05	0.26
Turkey	Aug	1.95	4.50	3.50	7.50	0.33	0.00	2.13
	Sep	1.98	4.50	3.50	7.50	0.38	0.00	2.10
Pakistan	Aug	2.87	8.50	2.50	11.00	0.18	0.03	2.67
	Sep	2.83	8.50	2.50	11.00	0.18	0.03	2.63
Indonesia	Aug	0.62	3/	3.75	3.65	0.01	0.00	0.72
	Sep	0.62	3/	3.75	3.65	0.01	0.00	0.71
Thailand	Aug	0.18	3/	1.13	1.10	0.00	0.03	0.18
	Sep	0.18	3/	1.13	1.10	0.00	0.03	0.18
Bangladesh	Aug	1.86	0.14	8.10	8.00	0.00	0.01	2.08
	Sep	1.86	0.14	8.10	8.00	0.00	0.01	2.08
Vietnam	Aug	1.19	3/	7.70	7.50	0.00	0.00	1.39
	Sep	1.19	3/	7.70	7.50	0.00	0.00	1.39

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, Paraguay, South Africa, Tanzania, and Zimbabwe. 8/ In addition to the countries and regions listed, includes Hong Kong, Japan, Russia, South Korea, and Taiwan. 9/ Includes intra-EU trade.

## WASDE - 581 - 28

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

<b>2016/17</b>		Beginning Stocks	Production	Imports	Domestic Crush	Domestic Total	Exports	Ending Stocks
World 2/		80.42	348.12	144.35	287.20	328.86	147.36	96.68
United States		5.35	116.92	0.61	51.74	55.71	58.96	8.21
Total Foreign		75.07	231.20	143.75	235.46	273.15	88.40	88.47
Major Exporters 3/		52.29	183.15	1.98	87.54	95.54	79.52	62.37
Argentina		33.65	55.00	1.67	43.30	47.83	7.03	35.47
Brazil		18.56	114.60	0.25	40.41	43.81	63.14	26.46
Paraguay		0.03	10.34	0.01	3.75	3.81	6.13	0.44
Major Importers 4/		19.75	16.79	122.61	113.10	135.87	0.39	22.90
China		16.91	12.90	93.50	88.00	102.80	0.11	20.39
European Union		1.56	2.41	13.42	14.40	16.04	0.22	1.13
Japan		0.26	0.24	3.18	2.39	3.46	0.00	0.22
Mexico		0.15	0.52	4.13	4.60	4.64	0.00	0.16
<b>2017/18 Est.</b>								
World 2/		96.68	336.82	151.86	293.69	337.00	153.62	94.74
United States		8.21	119.52	0.60	55.93	59.62	57.97	10.74
Total Foreign		88.47	217.30	151.26	237.76	277.38	95.65	84.00
Major Exporters 3/		62.37	168.63	4.10	84.48	92.71	86.30	56.09
Argentina		35.47	37.80	3.90	37.70	42.40	2.10	32.67
Brazil		26.46	119.50	0.19	43.00	46.45	76.70	23.00
Paraguay		0.44	10.00	0.01	3.70	3.78	6.25	0.41
Major Importers 4/		22.90	18.24	124.40	115.81	140.03	0.46	25.04
China		20.39	14.20	94.00	90.00	106.00	0.14	22.46
European Union		1.13	2.67	14.50	14.90	16.55	0.28	1.47
Japan		0.22	0.25	3.25	2.35	3.51	0.00	0.21
Mexico		0.16	0.43	4.60	5.00	5.04	0.00	0.16
<b>2018/19 Proj.</b>								
World 2/	Aug	95.61	367.10	154.83	308.67	353.64	157.96	105.94
	Sep	94.74	369.32	154.12	308.20	353.01	156.90	108.26
United States	Aug	11.69	124.81	0.68	56.06	59.76	56.06	21.35
	Sep	10.74	127.73	0.68	56.34	60.08	56.06	23.00
Total Foreign	Aug	83.92	242.30	154.15	252.60	293.88	101.90	84.59
	Sep	84.00	241.59	153.44	251.87	292.93	100.84	85.27
Major Exporters 3/	Aug	55.28	190.30	2.66	89.73	98.32	91.82	58.10
	Sep	56.09	189.80	2.58	89.73	98.24	91.32	58.91
Argentina	Aug	30.80	57.00	2.22	43.00	47.92	8.00	34.10
	Sep	32.67	57.00	2.22	43.00	47.92	8.00	35.97
Brazil	Aug	24.15	120.50	0.43	42.70	46.28	75.00	23.80
	Sep	23.00	120.50	0.35	42.70	46.20	75.00	22.65
Paraguay	Aug	0.28	9.80	0.01	3.95	4.03	5.90	0.15
	Sep	0.41	9.80	0.01	3.95	4.03	5.90	0.29
Major Importers 4/	Aug	25.77	18.69	128.26	123.16	148.75	0.45	23.52
	Sep	25.04	19.06	127.22	121.96	147.49	0.45	23.38
China	Aug	23.48	14.50	95.00	95.00	112.10	0.10	20.78
	Sep	22.46	15.00	94.00	93.50	110.60	0.10	20.76
European Union	Aug	1.07	2.78	15.80	16.30	17.95	0.30	1.40
	Sep	1.47	2.70	15.80	16.60	18.25	0.30	1.42
Japan	Aug	0.21	0.26	3.30	2.35	3.52	0.00	0.26
	Sep	0.21	0.26	3.30	2.35	3.52	0.00	0.26
Mexico	Aug	0.16	0.49	4.75	5.20	5.24	0.00	0.16
	Sep	0.16	0.43	4.75	5.20	5.24	0.00	0.10

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).

## WASDE - 581 - 29

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

<b>2016/17</b>		Beginning Stocks	Production	Imports	Domestic Total	Exports	Ending Stocks
World 2/		13.20	225.38	60.54	221.88	64.48	12.76
United States		0.24	40.63	0.32	30.32	10.51	0.36
Total Foreign		12.96	184.75	60.23	191.57	53.97	12.40
Major Exporters 3/		7.07	71.76	0.05	24.65	47.09	7.13
Argentina		4.23	33.28	0.00	2.85	31.32	3.34
Brazil		2.71	31.28	0.04	16.94	13.76	3.32
India		0.13	7.20	0.01	4.86	2.01	0.48
Major Importers 4/		2.11	16.08	36.62	52.49	0.53	1.78
European Union		0.83	11.38	18.92	30.34	0.33	0.46
Southeast Asia 5/		1.18	2.90	16.07	18.73	0.20	1.22
<b>2017/18 Est.</b>							
World 2/		12.76	230.91	60.34	228.77	64.61	10.62
United States		0.36	44.36	0.45	31.75	13.06	0.36
Total Foreign		12.40	186.55	59.89	197.02	51.55	10.26
Major Exporters 3/		7.13	68.01	0.05	25.48	44.05	5.66
Argentina		3.34	28.63	0.00	3.00	26.20	2.77
Brazil		3.32	33.30	0.03	17.50	16.35	2.80
India		0.48	6.08	0.02	4.98	1.50	0.10
Major Importers 4/		1.78	16.32	36.78	52.88	0.63	1.37
European Union		0.46	11.77	18.50	30.04	0.39	0.30
Southeast Asia 5/		1.22	2.78	16.63	19.37	0.24	1.01
<b>2018/19 Proj.</b>							
World 2/	Aug	10.57	242.71	62.46	239.69	65.43	10.62
	Sep	10.62	242.38	62.15	238.73	65.69	10.74
United States	Aug	0.36	44.18	0.32	32.39	12.11	0.36
	Sep	0.36	44.41	0.32	32.48	12.25	0.36
Total Foreign	Aug	10.21	198.53	62.14	207.30	53.32	10.26
	Sep	10.26	197.97	61.83	206.26	53.44	10.37
Major Exporters 3/	Aug	5.61	73.35	0.04	26.96	46.20	5.84
	Sep	5.66	73.35	0.05	26.97	46.20	5.89
Argentina	Aug	2.69	33.05	0.00	3.20	29.80	2.74
	Sep	2.77	33.05	0.00	3.22	29.80	2.80
Brazil	Aug	2.80	33.10	0.03	18.13	15.00	2.80
	Sep	2.80	33.10	0.03	18.13	15.00	2.80
India	Aug	0.12	7.20	0.01	5.63	1.40	0.31
	Sep	0.10	7.20	0.02	5.62	1.40	0.29
Major Importers 4/	Aug	1.50	17.99	36.97	54.58	0.50	1.38
	Sep	1.37	18.23	36.95	54.73	0.50	1.33
European Union	Aug	0.31	12.88	18.50	31.14	0.30	0.25
	Sep	0.30	13.11	18.50	31.34	0.30	0.27
Southeast Asia 5/	Aug	1.13	3.34	16.82	20.02	0.20	1.07
	Sep	1.01	3.35	16.80	19.97	0.20	0.99

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.

## WASDE - 581 - 30

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

<b>2016/17</b>		Beginning Stocks	Production	Imports	Domestic Total	Exports	Ending Stocks
World 2/		3.66	53.68	10.84	53.34	11.24	3.60
United States		0.77	10.04	0.15	9.01	1.16	0.78
Total Foreign		2.89	43.65	10.70	44.33	10.09	2.82
Major Exporters 3/		0.71	18.89	0.35	11.76	7.46	0.72
Argentina		0.26	8.40	0.00	2.99	5.39	0.28
Brazil		0.29	7.76	0.06	6.57	1.24	0.29
European Union		0.16	2.74	0.29	2.21	0.83	0.15
Major Importers 4/		1.16	17.89	5.81	23.58	0.21	1.08
China		0.52	15.77	0.71	16.35	0.12	0.54
India		0.48	1.62	3.53	5.20	0.00	0.43
North Africa 5/		0.16	0.50	1.56	2.03	0.09	0.11
<b>2017/18 Est.</b>							
World 2/		3.60	54.78	9.66	54.56	10.08	3.39
United States		0.78	10.73	0.16	9.57	1.11	0.98
Total Foreign		2.82	44.06	9.50	44.99	8.97	2.42
Major Exporters 3/		0.72	18.42	0.31	12.52	6.28	0.66
Argentina		0.28	7.34	0.00	3.41	3.85	0.37
Brazil		0.29	8.25	0.06	6.89	1.60	0.12
European Union		0.15	2.83	0.25	2.23	0.83	0.18
Major Importers 4/		1.08	18.21	5.04	23.30	0.21	0.81
China		0.54	16.13	0.45	16.55	0.14	0.43
India		0.43	1.37	3.00	4.55	0.00	0.25
North Africa 5/		0.11	0.71	1.59	2.20	0.08	0.13
<b>2018/19 Proj.</b>							
World 2/	Aug	3.40	57.58	10.67	57.15	11.09	3.41
	Sep	3.39	57.51	10.59	56.75	11.14	3.61
United States	Aug	0.99	10.79	0.14	9.98	1.00	0.94
	Sep	0.98	10.85	0.14	9.98	1.00	0.98
Total Foreign	Aug	2.41	46.79	10.53	47.17	10.09	2.47
	Sep	2.42	46.67	10.45	46.77	10.14	2.63
Major Exporters 3/	Aug	0.71	19.65	0.26	12.65	7.33	0.65
	Sep	0.66	19.71	0.26	12.64	7.38	0.62
Argentina	Aug	0.37	8.36	0.00	3.42	5.10	0.21
	Sep	0.37	8.36	0.00	3.42	5.10	0.21
Brazil	Aug	0.17	8.20	0.06	6.98	1.28	0.17
	Sep	0.12	8.20	0.06	6.97	1.28	0.13
European Union	Aug	0.18	3.10	0.20	2.26	0.95	0.27
	Sep	0.18	3.15	0.20	2.26	1.00	0.27
Major Importers 4/	Aug	0.80	19.35	5.81	24.82	0.22	0.92
	Sep	0.81	19.12	5.76	24.42	0.22	1.05
China	Aug	0.43	17.02	0.70	17.60	0.13	0.43
	Sep	0.43	16.76	0.70	17.30	0.13	0.46
India	Aug	0.25	1.62	3.40	4.90	0.01	0.36
	Sep	0.25	1.62	3.40	4.80	0.01	0.46
North Africa 5/	Aug	0.12	0.71	1.71	2.32	0.09	0.13
	Sep	0.13	0.75	1.66	2.32	0.09	0.13

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 European Union. 4/ China, India, and North Africa. 5/ Algeria, Egypt, Morocco, and Tunisia.

## WASDE - 581 - 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>
2017 III	6,736	6,240	13,029	10,551	1,479	12,167	25,197	2,204	53.5
IV	6,742	6,796	13,595	10,472	1,533	12,139	25,734	2,235	53.1
Annual	26,187	25,584	51,991	41,662	5,981	48,178	100,169	8,808	215.5
2018 I	6,465	6,645	13,167	10,385	1,452	11,962	25,129	2,186	54.4
II	6,724	6,325	13,105	10,685	1,477	12,301	25,406	2,230	55.8
III*	6,775	6,480	13,309	10,850	1,475	12,468	25,777	2,252	53.8
IV*	7,130	7,225	14,411	10,700	1,525	12,362	26,773	2,295	53.8
Annual									
Aug Proj.	27,094	26,710	54,026	42,615	5,939	49,092	103,117	8,983	217.9
Sep Proj.	27,094	26,675	53,992	42,620	5,929	49,093	103,084	8,963	217.8
2019 I*	6,515	6,890	13,459	10,600	1,475	12,202	25,661	2,240	55.0
II*	6,975	6,690	13,720	10,870	1,480	12,491	26,211	2,265	56.7
Annual									
Aug Proj.	27,720	27,875	55,812	43,420	5,970	49,936	105,748	9,130	220.9
Sep Proj.	27,720	27,875	55,812	43,420	5,985	49,951	105,763	9,130	221.0

\* 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>
2017 III	112.46	55.59	94.9	96.9	102.1	17.73
IV	117.88	44.89	86.1	88.0	147.0	17.83
Annual	121.52	50.48	93.5	96.1	100.9	17.65
2018 I	125.60	49.12	95.7	79.4	179.6	15.67
II	116.72	47.91	115.1	79.6	124.4	16.10
III*	108-111	43-44	93-94	80-81	124-127	16.05-16.25
IV*	108-114	31-33	82-86	83-87	132-138	17.40-17.90
Annual						
Aug Proj.	115-117	44-45	99-101	81-83	141-144	16.10-16.30
Sep Proj.	115-117	43-44	96-98	80-82	140-142	16.30-16.50
2019 I*	116-126	36-38	90-98	74-80	115-125	17.10-17.90
II*	118-128	41-45	100-108	79-85	110-120	16.50-17.50
Annual						
Aug Proj.	113-122	39-42	96-104	84-91	119-129	16.45-17.45
Sep Proj.	113-122	39-42	92-100	81-88	119-129	16.75-17.75

\*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 - 581 - 32

## U.S. Meats Supply and Use

		Beginning stocks	Production 1/	Imports	Total Supply	Exports	Ending Stocks	Total Use	Per Capita 2/ 3/
		<i>Million Pounds /4</i>							
Beef	2017	757	26,250	2,993	30,000	2,860	649	26,492	56.9
	2018 Proj. Aug	649	27,157	3,037	30,842	3,124	680	27,038	57.7
	Sep	649	27,157	3,037	30,842	3,164	685	26,993	57.6
	2019 Proj. Aug	680	27,783	3,140	31,603	3,205	690	27,708	58.7
	Sep	685	27,783	3,140	31,608	3,245	690	27,673	58.6
Pork	2017	507	25,598	1,116	27,221	5,632	554	21,035	50.1
	2018 Proj. Aug	554	26,723	1,129	28,407	5,969	550	21,888	51.7
	Sep	554	26,688	1,099	28,342	5,989	550	21,803	51.5
	2019 Proj. Aug	550	27,889	1,165	29,604	6,095	585	22,924	53.9
	Sep	550	27,889	1,075	29,514	6,115	585	22,814	53.6
Total Red Meat 5/	2017	1,304	52,078	4,361	57,744	8,497	1,246	48,000	108.2
	2018 Proj. Aug	1,246	54,113	4,434	59,793	9,100	1,285	49,409	110.7
	Sep	1,246	54,079	4,404	59,729	9,160	1,297	49,273	110.4
	2019 Proj. Aug	1,285	55,900	4,584	61,769	9,308	1,330	51,131	113.9
	Sep	1,297	55,900	4,494	61,691	9,368	1,337	50,986	113.6
Broiler	2017	778	41,217	126	42,120	6,791	856	34,473	90.8
	2018 Proj. Aug	856	42,159	126	43,141	6,869	860	35,412	92.7
	Sep	856	42,164	126	43,146	6,869	860	35,417	92.7
	2019 Proj. Aug	860	42,955	129	43,944	7,045	860	36,039	93.7
	Sep	860	42,955	129	43,944	7,045	860	36,039	93.7
Turkey	2017	279	5,981	25	6,284	622	310	5,352	16.4
	2018 Proj. Aug	310	5,939	25	6,273	630	300	5,343	16.3
	Sep	310	5,929	25	6,263	630	300	5,333	16.2
	2019 Proj. Aug	300	5,970	28	6,298	640	310	5,348	16.2
	Sep	300	5,985	28	6,313	640	310	5,363	16.2
Total Poultry 6/	2017	1,065	47,732	154	48,951	7,544	1,170	40,236	108.5
	2018 Proj. Aug	1,170	48,635	154	49,959	7,592	1,164	41,204	110.3
	Sep	1,170	48,636	154	49,960	7,592	1,165	41,204	110.3
	2019 Proj. Aug	1,164	49,471	161	50,796	7,801	1,177	41,818	111.2
	Sep	1,165	49,486	161	50,812	7,801	1,177	41,834	111.3
Red Meat & Poultry	2017	2,369	99,810	4,515	106,694	16,041	2,416	88,237	216.8
	2018 Proj. Aug	2,416	102,748	4,588	109,753	16,691	2,449	90,613	221.0
	Sep	2,416	102,715	4,558	109,690	16,751	2,462	90,476	220.7
	2019 Proj. Aug	2,449	105,370	4,745	112,564	17,109	2,507	92,948	225.1
	Sep	2,462	105,385	4,655	112,502	17,169	2,514	92,819	224.8

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.



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## U.S. Egg Supply and Use

	2016	2017	2018 Proj. Aug	2018 Proj. Sep	2019 Proj. Aug	2019 Proj. Sep
<b>Eggs</b>	<i>Million Dozen</i>					
<b>Supply</b>						
Beginning Stocks	73.6	142.2	87.5	87.5	75.0	75.0
Production	8,578.7	8,807.8	8,982.6	8,962.6	9,130.0	9,130.0
Imports	129.5	34.2	22.1	22.1	27.0	27.0
<b>Total Supply</b>	<b>8,781.8</b>	<b>8,984.1</b>	<b>9,092.2</b>	<b>9,072.2</b>	<b>9,232.0</b>	<b>9,232.0</b>
<b>Use</b>						
Exports	304.2	354.9	336.4	336.4	340.0	340.0
Hatching Use	1,009.6	1,034.9	1,065.6	1,065.4	1,085.0	1,085.0
Ending Stocks	142.2	87.5	75.0	75.0	80.0	80.0
Disappearance						
<b>Total</b>	<b>7,325.8</b>	<b>7,506.9</b>	<b>7,615.2</b>	<b>7,595.4</b>	<b>7,727.0</b>	<b>7,727.0</b>
Per Capita (number)	271.6	276.3	278.4	277.7	280.7	280.7

## U.S. Milk Supply and Use

	2016	2017	2018 Proj. Aug	2018 Proj. Sep	2019 Proj. Aug	2019 Proj. Sep
<b>Milk</b>	<i>Billion Pounds</i>					
Production	212.4	215.5	217.9	217.8	220.9	221.0
Farm Use	1.0	1.0	1.0	1.0	1.0	1.0
<b>Fat Basis Supply</b>						
Beg. Commercial Stocks	12.3	12.7	13.4	13.4	13.5	13.5
Marketings	211.4	214.5	216.9	216.8	219.9	220.0
Imports	6.9	6.0	6.0	6.2	5.6	6.0
<b>Total Cml. Supply</b>	<b>230.7</b>	<b>233.2</b>	<b>236.3</b>	<b>236.5</b>	<b>239.0</b>	<b>239.5</b>
<b>Fat Basis Use</b>						
Commercial Exports	8.4	9.2	10.4	10.3	9.9	9.8
Ending Commercial Stocks	12.7	13.4	13.5	13.5	12.5	12.5
CCC Donations	0.0	0.0	0.0	0.0	0.0	0.3
Domestic Commercial Use	209.6	210.5	212.4	212.6	216.6	216.9
<b>Skim-solid Basis Supply</b>						
Beg. Commercial Stocks	9.2	9.5	11.8	11.8	10.5	11.0
Marketings	211.4	214.5	216.9	216.8	219.9	220.0
Imports	6.5	6.1	5.6	5.7	5.5	5.6
<b>Total Cml. Supply</b>	<b>227.1</b>	<b>230.1</b>	<b>234.3</b>	<b>234.3</b>	<b>235.9</b>	<b>236.5</b>
<b>Skim-solid Basis Use</b>						
Commercial Exports	39.1	40.7	45.4	44.7	44.8	44.1
Ending Commercial Stocks	9.5	11.8	10.5	11.0	10.5	10.8
CCC Donations	0.0	0.0	0.0	0.0	0.0	0.2
Domestic Commercial Use	178.5	177.6	178.4	178.6	180.6	181.5

Note: Totals may not add due to rounding.

## WASDE - 581 - 34

## U.S. Dairy Prices

	2016	2017	2018 Proj. Aug	2018 Proj. Sep	2019 Proj. Aug	2019 Proj. Sep
<b>Product Prices 1/</b>			<i>Dollars Per Pound</i>			
Cheese	1.6050	1.6344	1.550- 1.570	1.570- 1.590	1.590- 1.690	1.590- 1.690
Butter	2.0777	2.3303	2.265- 2.305	2.220- 2.260	2.220- 2.350	2.205- 2.335
Nonfat Dry Milk	0.8292	0.8666	0.755- 0.775	0.785- 0.805	0.755- 0.825	0.825- 0.895
Dry Whey	0.2875	0.4437	0.295- 0.315	0.320- 0.340	0.300- 0.330	0.350- 0.380
			<i>Dollars Per Cwt</i>			
<b>Milk Prices 2/</b>						
Class III	14.87	16.17	14.50- 14.70	14.85- 15.05	14.95- 15.95	15.20- 16.20
Class IV	13.77	15.16	13.95- 14.25	14.00- 14.30	13.75- 14.85	14.30- 15.40
All Milk 3/	16.30	17.65	16.10- 16.30	16.30- 16.50	16.45- 17.45	16.75- 17.75

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 - 581 - 35

## Reliability of September Projections 1/

Note: Tables on pages 35-37 present a record of the September 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 2 percent. Chances are 9 out of 10 (90% confidence level) that the difference will not exceed 3.4 percent. The average difference between the September projection and the final estimate is 9.1 million tons, ranging from 0.9 million to 30.7 million tons. The September projection has been below the estimate 25 times and above 12 times.

	Differences between forecast and final estimate						
	Root mean square error	90 percent confidence interval					Years
Average			Smallest	Largest	Below Final	Above Final	
	<i>Percent</i>		<i>Million Metric Tons</i>				
<b>WHEAT</b>							
Production							
World	2.0	3.4	9.1	0.9	30.7	25	12
U.S.	1.9	3.2	0.9	0.0	2.5	15	22
Foreign	2.3	3.9	9.1	1.0	30.9	26	11
Exports							
World	5.9	10.1	6.3	0.3	22.0	29	8
U.S.	10.4	17.7	2.6	0.2	10.0	17	20
Foreign	7.4	12.6	6.0	0.2	21.4	28	9
Domestic Use							
World	1.7	2.8	7.0	0.2	23.4	21	16
U.S.	7.4	12.6	2.0	0.0	5.5	12	25
Foreign	1.7	2.8	7.1	0.1	21.0	25	12
Ending Stocks							
World	8.2	13.9	9.8	1.5	29.6	29	8
U.S.	14.6	24.7	2.7	0.5	12.4	21	16
Foreign	9.0	15.3	8.6	0.5	27.1	28	9
<b>COARSE GRAINS 2/</b>							
Production							
World	2.1	3.6	16.7	0.2	50.6	28	9
U.S.	4.2	7.2	7.7	0.2	26.0	25	12
Foreign	2.4	4.1	14.8	1.0	42.8	27	10
Exports							
World	7.2	12.2	7.0	0.1	25.2	26	11
U.S.	19.8	33.6	7.3	0.4	19.1	16	21
Foreign	13.8	23.5	7.7	0.7	20.9	24	13
Domestic Use							
World	1.6	2.7	11.9	0.4	39.0	22	15
U.S.	3.7	6.3	6.2	0.1	15.8	24	13
Foreign	1.7	3.0	10.4	0.4	37.6	24	13
Ending Stocks							
World	12.3	20.9	15.8	1.7	43.2	28	9
U.S.	23.4	39.7	8.4	0.1	32.2	15	22
Foreign	14.4	24.5	12.0	0.7	41.6	30	7
<b>RICE, milled</b>							
Production							
World	2.3	3.9	6.2	0.4	24.1	28	9
U.S.	4.4	7.5	0.2	0.0	0.5	20	16
Foreign	2.4	4.0	6.3	0.3	24.4	28	9
Exports							
World	9.2	15.6	1.6	0.1	6.8	27	10
U.S.	11.5	19.6	0.2	0.0	0.9	19	16
Foreign	10.3	17.5	1.6	0.1	6.8	27	10
Domestic Use							
World	1.8	3.1	4.3	0.4	22.7	29	8
U.S.	6.9	11.7	0.2	0.0	0.5	16	20
Foreign	1.9	3.2	4.3	0.2	23.1	29	8
Ending Stocks							
World	12.4	21.0	5.8	0.5	21.4	31	6
U.S.	23.0	39.0	0.2	0.0	0.9	20	17
Foreign	13.5	23.0	5.9	0.2	21.4	31	6

1/ Footnotes at end of table.

CONTINUED

## WASDE - 581 - 36

## Reliability of September 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	4.7	7.9	7.2	0.4	27.4	23	14
U.S.	5.1	8.7	3.0	0.2	10.4	21	16
Foreign	7.6	13.0	6.8	0.9	29.1	18	19
Exports							
World	7.3	12.5	3.4	0.2	12.5	25	12
U.S.	12.1	20.6	2.8	0.1	7.3	23	14
Foreign	18.0	30.5	2.9	0.0	10.5	16	21
Domestic Use							
World	3.4	5.7	4.7	0.0	15.1	24	13
U.S.	4.6	7.7	1.7	0.1	4.5	24	13
Foreign	4.1	7.0	4.6	0.0	11.2	24	13
Ending Stocks							
World	18.1	30.7	5.4	0.2	24.8	21	16
U.S.	38.6	65.5	2.1	0.1	6.6	11	26
Foreign	20.1	34.1	4.9	0.0	24.7	22	14
COTTON	<i>Million 480-Pound Bales</i>						
Production							
World	4.8	8.1	3.2	0.1	12.6	23	14
U.S.	6.1	10.3	0.8	0.0	2.4	19	17
Foreign	5.4	9.2	2.9	0.0	11.3	24	13
Exports							
World	9.4	16.0	2.3	0.0	10.1	23	14
U.S.	21.1	35.8	1.2	0.1	3.4	21	16
Foreign	12.2	20.7	1.8	0.1	8.8	20	17
Domestic Use							
World	3.9	6.6	2.9	0.1	13.1	15	22
U.S.	8.3	14.0	0.4	0.0	1.3	17	18
Foreign	4.0	6.8	2.8	0.0	12.3	16	20
Ending Stocks							
World	14.4	24.5	5.4	0.2	15.9	25	12
U.S.	36.4	61.7	1.4	0.1	5.1	15	22
Foreign	14.9	25.2	5.0	0.2	16.0	25	12

1/ Marketing years 1981/82 through 2017/18 for grains, soybeans and cotton. Final for grains, soybeans and cotton is defined as the first November estimate following the marketing year for 1981/82 through 2016/17, and for 2017/18 the last month's estimate. 2/ Includes corn, sorghum, barley, oats, rye, millet, and mixed grain.

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## Reliability of United States September 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	4.5	7.6	289	15	885	25	12
Exports	20.7	35.1	264	46	725	16	21
Domestic Use	4.1	6.9	245	0	565	24	12
Ending Stocks	26.7	45.3	314	2	1,321	15	22
<b>SORGHUM</b>							
Production	6.2	10.5	24	0	81	16	20
Exports	26.6	45.2	39	0	150	19	17
Domestic Use	24.4	41.4	38	0	120	18	17
Ending Stocks	48.4	82.2	33	1	155	11	26
<b>BARLEY</b>							
Production	4.9	8.3	11	1	36	15	22
Exports	66.1	112.1	13	0	82	15	18
Domestic Use	10.0	17.0	23	0	72	12	23
Ending Stocks	17.9	30.3	19	0	70	19	17
<b>OATS</b>							
Production	9.3	15.8	12	0	44	6	30
Exports	99.0	168.1	1	0	8	10	14
Domestic Use	6.5	11.0	14	1	39	11	26
Ending Stocks	23.5	39.9	15	2	47	19	18
<b>SOYBEAN MEAL</b>			<i>Thousand Short Tons</i>				
Production	4.4	7.5	1,343	93	4,200	25	12
Exports	14.7	25.0	930	34	4,100	21	16
Domestic Use	3.7	6.3	795	26	3,200	23	14
Ending Stocks	40.5	68.7	53	0	368	13	13
<b>SOYBEAN OIL</b>			<i>Million Pounds</i>				
Production	4.7	7.9	638	26	2,635	23	14
Exports	34.5	58.5	431	0	1,675	20	16
Domestic Use	4.2	7.1	475	86	2,150	24	13
Ending Stocks	30.7	52.1	436	60	1,357	21	16
<b>ANIMAL PROD.</b>			<i>Million Pounds</i>				
Beef	4.1	6.9	810	32	2,486	26	10
Pork	3.0	5.1	403	5	1,356	22	14
Broilers	2.1	3.6	521	49	1,379	22	14
Turkeys	3.8	6.4	145	2	444	21	15
			<i>Million Dozen</i>				
Eggs	1.9	3.2	107	4	414	24	12
			<i>Billion Pounds</i>				
Milk	1.7	2.8	1.9	0.0	7.2	20	12

1/ See pages 35 and 36 for record of reliability for U.S. wheat, rice, soybeans, and cotton. Marketing years 1981/82 through 2017/18 for grains, soybeans, and cotton. Final for grains, soybeans, and cotton is defined as the first November estimate following the marketing year for 1981/82 through 2016/17, and for 2017/18 the last month's estimate. Calendar years 1994 through 2017 for meats, eggs, and milk. Final for animal products is defined as the latest annual production estimate published by NASS for 1982-2017.

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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

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