

World Agricultural Supply and Demand Estimates

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WASDE - 599

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WHEAT: The outlook for 2019/20 U.S. wheat is for lower exports, reduced domestic use, and increased ending stocks. The NASS *Grain Stocks* report, issued March 31, implied less feed and residual disappearance for both the second and third quarters than previously estimated. Total 2019/20 feed and residual use is trimmed 15 million bushels to 135 million. Wheat exports are also cut 15 million bushels to 985 million on a slowing pace and prices that have become uncompetitive in many international import markets. By class, Hard Red Winter and Soft Red Winter are reduced 10 million and 5 million bushels, respectively. The changes result in a 30 million bushel increase in estimated all wheat ending stocks to 970 million. Despite the larger ending stocks, the projected season-average farm price is raised \$0.05 per bushel to \$4.60 on updated NASS data as well as surging nearby cash and futures prices, partially resulting from the global COVID-19 pandemic.

The 2019/20 global outlook is for slightly higher supplies, but reduced trade and utilization. Global production is lowered fractionally with several small mostly offsetting changes. Global exports are lowered 0.9 million tons, led by a 1.5-million-ton reduction for Russia, which was directly offset by an equivalent increase for the EU. The Russia change is based primarily on newly imposed government export restrictions. The EU is raised on less competition from Russia as well as expectations of a continued strong pace of exports. Several smaller export reductions are made; notably a 0.4-million-ton reduction for the United States and a 0.3-million-ton reduction for Pakistan. Global imports are reduced 0.3 million tons each for Brazil, Japan, and Uzbekistan; a 0.3-million-ton increase for Morocco is partially offsetting. Aggregate world consumption is lowered 5.1 million tons following updates to several countries. The largest reductions are 2.0 million tons for China, 1.9 million for India, and 1.0 million for the EU. With supplies higher and use down, projected 2019/20 global ending stocks are raised 5.6 million tons to a record high 292.8 million.

COARSE GRAINS: This month's 2019/20 U.S. corn outlook is for reduced imports, greater feed and residual use, lower food, seed, and industrial use, and larger stocks. Feed and residual use is raised 150 million bushels to 5.675 billion. This is based on corn stocks reported as of March 1 which indicated disappearance during the December-February quarter rose about 4 percent relative to a year ago. Lower forecast corn used for ethanol also supports larger feed and residual use. Corn used to produce ethanol is lowered 375 million bushels to 5.050 billion based on the latest indications from *Energy Information Administration* data indicating an unprecedented decline in ethanol production and motor gasoline consumption as a result of COVID-19. Partly offsetting is a forecast increase in the amount of corn used for alcohol for beverages and

manufacturing use. With supply down fractionally and use declining, ending stocks are raised 200 million bushels to 2.092 billion. The season-average marketing weighted corn price received by producers is lowered 20 cents to \$3.60 per bushel.

The global coarse grain production forecast for 2019/20 is up 1.0 million tons to 1,403.8 million. This month's foreign coarse grain outlook is for larger production, lower trade, fractionally higher use, and larger stocks relative to last month. Corn production is raised for the EU and Belarus, with partly offsetting reductions for Indonesia and Laos.

Major global trade changes for 2019/20 include higher projected corn exports for the EU, with a partially offsetting reduction for Russia. Corn imports are raised for South Korea, Turkey, Algeria, and Indonesia, with lower projections for Vietnam, Taiwan, Cuba, and Mexico. Foreign corn ending stocks are raised, mostly reflecting increases for Thailand, Taiwan, India, and Turkey that more than offset declines for Argentina and Mexico. Global corn ending stocks, at 303.2 million tons, are up 5.8 million from last month.

RICE: The outlook for 2019/20 U.S. rice this month is for lower supplies, unchanged domestic use and exports, and reduced ending stocks. Supplies are lowered by 0.5 million cwt to 261.5 million on decreased imports. Long-grain imports are lowered on an expected reduced volume in the near-term due to sharply curtailed restaurant usage caused by the COVID-19 pandemic. Projected 2019/20 all rice ending stocks are subsequently reduced by 0.5 million cwt to 29.5 million, which is down 34 percent from last year. The projected all rice stocks-to-use ratio of 12.7 percent would be the lowest since 2007/08. Reflecting the tighter supplies, the projected 2019/20 all rice season-average farm price is raised \$0.20 per cwt to \$13.20 with increases in both the long-grain and California medium- and short-grain price projections.

The 2019/20 international outlook is revised lower this month for supplies, consumption, trade, and ending stocks. Global 2019/20 rice supplies are lowered by 2.8 million tons to 671.8 million, mainly on production reductions for several Southeast Asian countries, led by Vietnam, Burma, and the Philippines. World 2019/20 consumption is lowered by 2.1 million tons to 490.2 million on decreases for several Asian and African countries with constrained supplies. Global 2019/20 trade is reduced 2.2 million tons to 42.2 million, primarily on export restrictions recently imposed by several Southeast Asian rice exporters in the form of bans, licenses, and quotas due to domestic supply concerns. Collectively, projected exports for Burma, Cambodia, and Vietnam are reduced 1.7 million tons or 15 percent this month. Additionally, India's exports are lowered 0.3 million tons to 10.2 million as the current country-wide quarantine is expected to affect export activity. These factors have contributed to raising international rice prices to their highest levels in more than seven years. Projected world ending stocks are down 0.7 million tons this month but are still at a record high of 181.6 million with China accounting for 65 percent of the total.

OILSEEDS: U.S. soybean supply and use changes for 2019/20 include lower exports, seed use, and residual use, higher crush, and higher ending stocks. Soybean exports are reduced mainly on strong competition from Brazil. Lower seed use reflects plantings for the 2020/21 crop indicated in the March 31 *Prospective Plantings* report. Residual

use is reduced based on indications in the March 31 *Grain Stocks* report. Soybean crush is raised on higher soybean meal exports and increased domestic disappearance. Domestic soybean meal use is forecast higher with an expected reduction in available supplies of DDGs resulting from lower ethanol production. With higher crush only partly offsetting lower exports, seed, and residual use, ending stocks are projected at 480 million bushels, up 55 million.

The season-average soybean price is forecast at \$8.65 per bushel, down 5 cents. The soybean oil price is projected at 30.0 cents per pound, down 1.5 cents reflecting increased production and ending stocks. Soybean meal prices are unchanged at \$305 per short ton.

The 2019/20 global oilseed outlook includes lower production, exports, and stocks compared to last month. Global soybean production is reduced 3.7 million tons to 338.1 million on lower production for Argentina and Brazil. Argentina's production is lowered 2 million tons to 52 million, reflecting dry conditions in the main growing regions during the latter part of February into early March. Soybean production for Brazil is lowered 1.5 million tons to 124.5 million due to dry conditions in Rio Grande do Sul while the crop was in pod-filling and maturation stages.

Global soybean exports are lowered 0.4 million tons to 151.5 million. U.S. and Canadian exports are lowered while Brazil's shipments are revised up due to a competitive exchange rate and ample exportable supplies. China's imports are raised 1 million tons to 89 million, reflecting higher Brazilian shipments. Global soybean ending stocks are 2.0 million tons lower than last month as lower stocks in Brazil are partly offset with higher U.S. and Chinese stocks.

SUGAR: Mexico sugar production for 2019/20 is projected at 5.235 million metric tons (MT), an increase of 35,000 over last month. Analysis based on production through the first week of April supports increases in area over last month but lower sugarcane yield and about the same sucrose recovery as last month. Domestic deliveries and ending stocks, equal to 2.5 months of forecast domestic sugar use before the start of the 2020/21 sugarcane harvest, are unchanged. Exports outside of those shipments under license to the United States are increased to 39,187 MT on the pace to date. Exports to the United States are increased by 29,365 MT to 1.026 million.

Projected total U.S. supply for 2019/20 is increased by 546,884 short tons, raw value (STRV) on increased production and imports. All production changes are made on the basis of forecasts and/or data supplied by processors. Cane sugar production is increased by 26,460 STRV on more production expected in Florida partially offset by a reduction in Texas. Beet sugar production is reduced by 19,797 STRV on lower expected sugar from slicing and from the de-sugaring of molasses. TRQ imports are increased to reflect the USDA action announced on April 1 of increases to both the raw sugar and refined sugar TRQs. The raw sugar shortfall is increased to 84,092 STRV to reflect sugar not expected to enter the United States although allocated. Imports from Mexico are increased by 34,312 STRV. High-tier tariff imports are unchanged. There are no

changes to use. Ending stocks are projected at 1.434 million STRV, implying an ending stocks-to-use ratio of 11.70 percent.

LIVESTOCK, POULTRY, AND DAIRY: Total red meat and poultry production for 2020 is reduced from last month as sectors at all levels adjust to COVID-19 and economic uncertainty. The beef production forecast is reduced as lower expected steer and heifer slaughter more than offsets higher cow slaughter. However, beef production declines are partially offset by heavier carcass weights. The pork production forecast is reduced from the previous month; however, the recent *Quarterly Hogs and Pigs* report points to relatively large supplies of hogs available for slaughter during most of the year and heavier hog carcass weights will also support increased production. The broiler production forecast is lowered as producers respond to weaker demand and lower broiler prices. The turkey production forecast is reduced slightly on recent production data. Egg production for 2020 is reduced from the previous month on slower expected growth in the laying flock.

Beef, pork, and poultry export forecasts are reduced from last month on slowing global demand.

Price forecasts for 2020 are lowered for cattle, hogs, and broilers on generally weak demand and large supplies. The turkey price forecast is raised from last month on current prices. Egg prices are raised on strong demand.

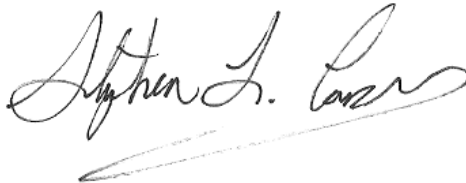
The milk production forecast is reduced from last month on slower growth in milk per cow. The average dairy cow inventory is little changed as a higher-than-expected early year inventory is expected to decline later in the year. The 2020 fat basis export forecast is reduced primarily on lower expected exports of butterfat products and cheese due to weaker global demand. The fat basis import forecast is also reduced on lower imports of butter. On a skim-solids basis, the export forecast is reduced, reflecting slowing international demand for nonfat dry milk (NDM) and lactose. The skim-solids basis import forecast is unchanged from last month. Product prices are forecast lower on weak demand, large supplies, and larger stocks. Thus, both the Class III and Class IV prices are forecast lower. The all milk price is forecast lower than the previous month at \$14.35 per cwt.

COTTON: The 2019/20 U.S. cotton supply and demand forecasts show sharply lower exports, lower consumption, and higher ending stocks compared with last month. A developing global economic slowdown with little precedent is expected to significantly reduce global cotton demand and trade, resulting in one of the largest one-month reductions in projected U.S. cotton exports ever: down 1.5 million bales to 15.0 million. Consumption is 100,000 bales lower, and ending stocks are 1.6 million bales higher. Ending stocks are now expected to reach 6.7 million bales, equivalent to 37 percent of total disappearance, compared with March's expected 26 percent. The projected marketing year average price received by upland producers of 59.0 cents per pound is down 1 cent from last month.

Lower world consumption this month results in lower projected trade and higher projected 2019/20 ending stocks. Consumption is lower for every major country, with total world consumption down 7.6 million bales or 6.4 percent from March. At 110.6 million bales, world consumption in 2019/20 is now projected to be 8.1 percent lower than in 2018/19. This would be one of the largest annual declines on record. World trade in 2019/20 is down 3.0 million bales from the March estimate. With relatively small increases in beginning stocks and production this month, 2019/20 expected ending stocks are 7.9 million bales higher than estimated in March, and 11.0 million bales higher than the year before.

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

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

STEPHEN CENSKY
SECRETARY OF AGRICULTURE DESIGNATE

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In 2020, the WASDE report will be released on May 12, June 11, July 10, Aug 12, Sep 11, Oct 9, Nov 10, and Dec 10.

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

World			Output	Total Supply	Trade 2/	Total Use 3/	Ending Stocks
Total Grains 4/	2017/18		2619.35	3417.83	414.99	2600.37	817.46
	2018/19 (Est.)		2626.90	3444.36	428.87	2642.44	801.92
	2019/20 (Proj.)	Mar	2666.55	3467.41	427.98	2670.64	796.77
		Apr	2664.31	3466.24	425.74	2658.42	807.81
Wheat	2017/18		762.88	1025.67	182.47	741.98	283.69
	2018/19 (Est.)		731.46	1015.15	173.54	737.05	278.10
	2019/20 (Proj.)	Mar	764.49	1042.06	183.62	754.93	287.14
		Apr	764.46	1042.56	182.71	749.78	292.78
Coarse Grains 5/	2017/18		1361.54	1747.35	185.27	1376.11	371.24
	2018/19 (Est.)		1396.37	1767.61	211.64	1419.50	348.12
	2019/20 (Proj.)	Mar	1402.75	1750.72	200.08	1423.39	327.33
		Apr	1403.77	1751.88	200.86	1418.46	333.43
Rice, milled	2017/18		494.92	644.81	47.25	482.28	162.53
	2018/19 (Est.)		499.07	661.60	43.69	485.89	175.71
	2019/20 (Proj.)	Mar	499.31	674.63	44.28	492.32	182.30
		Apr	496.08	671.79	42.17	490.19	181.60
United States							
Total Grains 4/	2017/18		437.43	541.29	94.57	357.95	88.76
	2018/19 (Est.)		436.32	532.31	83.39	357.64	91.28
	2019/20 (Proj.)	Mar	419.31	517.87	77.75	362.17	77.95
		Apr	419.31	517.67	78.63	355.28	83.76
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.)	Mar	52.26	84.50	27.22	31.71	25.58
		Apr	52.26	84.50	26.81	31.30	26.40
Coarse Grains 5/	2017/18		384.39	449.48	67.16	324.41	57.92
	2018/19 (Est.)		377.91	438.46	54.94	323.05	60.47
	2019/20 (Proj.)	Mar	361.19	425.05	47.39	326.24	51.42
		Apr	361.19	424.87	48.68	319.76	56.43
Rice, milled	2017/18		5.66	8.00	2.76	4.30	0.93
	2018/19 (Est.)		7.11	8.96	2.97	4.57	1.42
	2019/20 (Proj.)	Mar	5.86	8.32	3.14	4.22	0.95
		Apr	5.86	8.30	3.14	4.22	0.94

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/	2017/18	2,181.92	2,876.55	320.42	2,242.42	728.70	
	2018/19 (Est.)	2,190.58	2,912.05	345.48	2,284.80	710.64	
	2019/20 (Proj.)	Mar	2,247.24	2,949.54	350.23	2,308.47	718.82
		Apr	2,245.00	2,948.56	347.11	2,303.15	724.05
Wheat	2017/18	715.50	941.86	157.82	712.73	253.78	
	2018/19 (Est.)	680.15	930.26	148.07	707.03	248.71	
	2019/20 (Proj.)	Mar	712.24	957.56	156.41	723.22	261.56
		Apr	712.21	958.06	155.91	718.48	266.38
Coarse Grains 5/	2017/18	977.16	1,297.87	118.12	1,051.70	313.32	
	2018/19 (Est.)	1,018.47	1,329.15	156.69	1,096.45	287.65	
	2019/20 (Proj.)	Mar	1,041.56	1,325.67	152.69	1,097.15	275.92
		Apr	1,042.58	1,327.02	152.18	1,098.70	277.00
Rice, milled	2017/18	489.26	636.82	44.48	477.98	161.60	
	2018/19 (Est.)	491.96	652.64	40.72	481.33	174.29	
	2019/20 (Proj.)	Mar	493.45	666.31	41.14	488.10	181.35
		Apr	490.22	663.49	39.03	485.97	180.67

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	204.04	41.58	122.75	80.74	
	2018/19 (Est.)	118.61	199.34	41.12	120.30	80.28	
	2019/20 (Proj.)	Mar	121.59	201.77	43.60	118.16	83.40
		Apr	121.71	201.99	40.64	110.58	91.26
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.)	Mar	19.80	24.66	16.50	3.00	5.10
		Apr	19.80	24.66	15.00	2.90	6.70
Foreign 4/	2017/18	102.86	180.37	25.31	119.53	76.54	
	2018/19 (Est.)	100.24	176.77	26.36	117.32	75.43	
	2019/20 (Proj.)	Mar	101.79	177.12	27.10	115.16	78.30
		Apr	101.91	177.34	25.64	107.68	84.56

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)**

World			Output	Total Supply	Trade	Total Use 2/	Ending Stocks
Oilseeds	2017/18		581.62	690.63	176.33	483.40	116.74
	2018/19 (Est.)		597.27	714.02	170.15	489.35	129.21
	2019/20 (Proj.)	Mar	580.13	709.94	174.96	497.94	117.37
		Apr	577.07	706.29	174.49	497.42	116.32
Oilmeals	2017/18		331.24	348.56	89.20	326.29	17.86
	2018/19 (Est.)		332.93	350.78	93.82	329.35	15.47
	2019/20 (Proj.)	Mar	339.15	355.40	93.10	338.10	14.66
		Apr	338.72	354.20	93.11	337.22	13.82
Vegetable Oils	2017/18		198.54	220.44	80.01	192.69	23.14
	2018/19 (Est.)		203.50	226.63	85.57	200.28	22.00
	2019/20 (Proj.)	Mar	204.54	226.13	86.38	204.98	17.43
		Apr	204.42	226.42	86.56	203.99	18.32
United States							
Oilseeds	2017/18		131.48	142.50	59.31	60.17	13.83
	2018/19 (Est.)		130.72	145.65	48.70	61.03	26.54
	2019/20 (Proj.)	Mar	107.42	135.03	50.80	61.41	13.10
		Apr	107.42	135.10	49.42	62.02	14.59
Oilmeals	2017/18		47.03	51.17	13.00	37.61	0.56
	2018/19 (Est.)		46.52	51.01	12.60	37.99	0.42
	2019/20 (Proj.)	Mar	47.23	51.58	12.29	38.89	0.40
		Apr	47.74	52.13	12.51	39.22	0.40
Vegetable Oils	2017/18		12.11	18.12	1.34	15.54	1.24
	2018/19 (Est.)		12.20	18.14	1.10	15.89	1.16
	2019/20 (Proj.)	Mar	12.30	18.32	1.19	16.09	1.05
		Apr	12.40	18.47	1.30	15.95	1.23
Foreign 3/							
Oilseeds	2017/18		450.14	548.12	117.02	423.23	102.92
	2018/19 (Est.)		466.56	568.36	121.44	428.32	102.67
	2019/20 (Proj.)	Mar	472.70	574.91	124.16	436.53	104.28
		Apr	469.65	571.19	125.07	435.40	101.73
Oilmeals	2017/18		284.21	297.39	76.20	288.69	17.29
	2018/19 (Est.)		286.41	299.77	81.21	291.35	15.05
	2019/20 (Proj.)	Mar	291.93	303.82	80.81	299.21	14.26
		Apr	290.99	302.07	80.60	298.00	13.41
Vegetable Oils	2017/18		186.43	202.32	78.67	177.15	21.90
	2018/19 (Est.)		191.30	208.49	84.47	184.39	20.84
	2019/20 (Proj.)	Mar	192.24	207.81	85.19	188.89	16.38
		Apr	192.02	207.95	85.26	188.04	17.09

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.

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U.S. Wheat Supply and Use 1/

	2017/18	2018/19 Est.	2019/20 Proj. Mar	2019/20 Proj. Apr
			<i>Million Acres</i>	
Area Planted	46.1	47.8	45.2	45.2
Area Harvested	37.6	39.6	37.2	37.2
			<i>Bushels</i>	
Yield per Harvested Acre	46.4	47.6	51.7	51.7
			<i>Million Bushels</i>	
Beginning Stocks	1,181	1,099	1,080	1,080
Production	1,741	1,885	1,920	1,920
Imports	158	135	105	105
Supply, Total	3,080	3,119	3,105	3,105
Food	964	955	955	955
Seed	63	59	60	60
Feed and Residual	47	90	150	135
Domestic, Total	1,075	1,103	1,165	1,150
Exports	906	936	1,000	985
Use, Total	1,981	2,039	2,165	2,135
Ending Stocks	1,099	1,080	940	970
Avg. Farm Price (\$/bu) 2/	4.72	5.16	4.55	4.60

U.S. Wheat by Class: Supply and Use

Year beginning June 1		Hard Red	Hard Red	Soft Red	White	Durum	Total
		Winter	Spring	Winter			
				<i>Million</i>			
				<i>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	522	239	272	54	1,920
	Supply, Total 3/	1,353	836	402	365	149	3,105
	Domestic Use	470	311	191	90	88	1,150
	Exports	380	275	95	195	40	985
	Use, Total	850	586	286	285	128	2,135
	Ending Stocks, Total	503	250	116	80	21	970
		Apr					
		Mar					
		484	249	106	80	21	940

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.

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

	2017/18	2018/19 Est.	2019/20 Proj. Mar	2019/20 Proj. Apr
FEED GRAINS				
		<i>Million Acres</i>		
Area Planted	100.9	99.9	100.5	100.5
Area Harvested	90.5	89.2	89.2	89.2
		<i>Metric Tons</i>		
Yield per Harvested Acre	4.24	4.24	4.05	4.05
		<i>Million Metric Tons</i>		
Beginning Stocks	62.1	57.9	60.5	60.5
Production	384.1	377.7	360.9	360.9
Imports	2.7	2.3	3.1	2.9
Supply, Total	449.0	437.9	424.5	424.3
Feed and Residual	138.7	143.0	145.5	148.6
Food, Seed & Industrial	185.2	179.6	180.2	170.6
Domestic, Total	323.9	322.5	325.7	319.2
Exports	67.2	54.9	47.4	48.7
Use, Total	391.1	377.5	373.1	367.9
Ending Stocks	57.9	60.5	51.4	56.4
CORN				
		<i>Million Acres</i>		
Area Planted	90.2	88.9	89.7	89.7
Area Harvested	82.7	81.3	81.5	81.5
		<i>Bushels</i>		
Yield per Harvested Acre	176.6	176.4	168.0	168.0
		<i>Million Bushels</i>		
Beginning Stocks	2,293	2,140	2,221	2,221
Production	14,609	14,340	13,692	13,692
Imports	36	28	50	45
Supply, Total	16,939	16,509	15,962	15,957
Feed and Residual	5,304	5,430	5,525	5,675
Food, Seed & Industrial 2/	7,057	6,793	6,820	6,465
Ethanol & by-products 3/	5,605	5,378	5,425	5,050
Domestic, Total	12,361	12,223	12,345	12,140
Exports	2,438	2,065	1,725	1,725
Use, Total	14,798	14,288	14,070	13,865
Ending Stocks	2,140	2,221	1,892	2,092
Avg. Farm Price (\$/bu) 4/	3.36	3.61	3.80	3.60

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. 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.

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

	2017/18	2018/19 Est.	2019/20 Proj. Mar	2019/20 Proj. Apr
SORGHUM				
	<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	73.0	73.0
Beginning Stocks	33	35	64	64
Production	362	365	341	341
Imports	2	0	0	0
Supply, Total	397	400	405	405
Feed and Residual	102	138	130	105
Food, Seed & Industrial	60	106	105	80
Total Domestic	162	244	235	185
Exports	200	93	135	185
Use, Total	362	336	370	370
Ending Stocks	35	64	35	35
Avg. Farm Price (\$/bu) 2/	3.22	3.26	3.30	3.25
BARLEY				
Area Planted (mil. acres)	2.5	2.5	2.7	2.7
Area Harvested (mil. acres)	2.0	2.0	2.2	2.2
Yield (bushels/acre)	73.0	77.5	77.7	77.7
Beginning Stocks	106	94	87	87
Production	143	154	170	170
Imports	9	6	8	8
Supply, Total	259	254	264	264
Feed and Residual	7	15	25	25
Food, Seed & Industrial	152	148	146	146
Total Domestic	159	162	171	171
Exports	5	5	5	6
Use, Total	164	167	176	177
Ending Stocks	94	87	88	87
Avg. Farm Price (\$/bu) 2/	4.47	4.62	4.60	4.60
OATS				
Area Planted (mil. acres)	2.6	2.7	2.8	2.8
Area Harvested (mil. acres)	0.8	0.9	0.8	0.8
Yield (bushels/acre)	61.7	64.9	64.3	64.3
Beginning Stocks	50	41	38	38
Production	50	56	53	53
Imports	89	87	95	92
Supply, Total	189	184	186	183
Feed and Residual	68	66	70	70
Food, Seed & Industrial	77	78	78	78
Total Domestic	146	144	148	148
Exports	2	2	2	2
Use, Total	148	146	150	150
Ending Stocks	41	38	36	33
Avg. Farm Price (\$/bu) 2/	2.59	2.66	2.95	2.85

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.

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**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.
			Mar	Apr
		<i>Million Acres</i>		
Area Planted	2.46	2.95	2.54	2.54
Area Harvested	2.37	2.91	2.47	2.47
		<i>Pounds</i>		
Yield per Harvested Acre	7,507	7,692	7,471	7,471
		<i>Million Hundredweight</i>		
Beginning Stocks 2/	46.0	29.4	44.9	44.9
Production	178.2	223.8	184.7	184.7
Imports	27.5	29.0	32.5	32.0
Supply, Total	251.8	282.2	262.0	261.5
Domestic & Residual 3/	135.4	143.8	133.0	133.0
Exports, Total 4/	87.1	93.6	99.0	99.0
Rough	28.8	33.0	37.0	37.0
Milled (rough equiv.)	58.2	60.6	62.0	62.0
Use, Total	222.4	237.3	232.0	232.0
Ending Stocks	29.4	44.9	30.0	29.5
Avg. Milling Yield (%) 5/	70.00	70.00	70.00	70.00
Avg. Farm Price (\$/cwt) 6/	12.90	12.60	13.00	13.20

LONG-GRAIN RICE

Harvested Acres (mil.)	1.75	2.18	1.73	1.73
Yield (pounds/acre)	7,314	7,517	7,261	7,261
Beginning Stocks	31.0	20.3	32.6	32.6
Production	127.9	163.6	125.6	125.6
Supply, Total 7/	182.2	207.3	184.2	183.7
Domestic & Residual 3/	98.6	109.0	99.0	99.0
Exports 8/	63.2	65.7	71.0	71.0
Use, Total	161.9	174.7	170.0	170.0
Ending Stocks	20.3	32.6	14.2	13.7
Avg. Farm Price (\$/cwt) 6/	11.50	10.80	12.00	12.20

MEDIUM & SHORT-GRAIN RICE

Harvested Acres (mil.)	0.63	0.73	0.74	0.74
Yield (pounds/acre)	8,048	8,209	7,960	7,960
Beginning Stocks	11.5	7.6	10.2	10.2
Production	50.4	60.3	59.1	59.1
Supply, Total 7/	68.2	72.8	75.7	75.7
Domestic & Residual 3/	36.7	34.8	34.0	34.0
Exports 8/	23.8	27.8	28.0	28.0
Use, Total	60.6	62.6	62.0	62.0
Ending Stocks	7.6	10.2	13.7	13.7
Avg. Farm Price (\$/cwt) 1/ 6/ 9/	17.00	18.50	16.00	16.20
California 10/	20.10	21.10	18.00	18.20
Other States 1/	11.70	12.30	11.90	11.90

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.

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

SOYBEANS	2017/18	2018/19 Est.	2019/20 Proj.	2019/20 Proj.
			Mar	Apr
			<i>Million Acres</i>	
Area Planted	90.2	89.2	76.1	76.1
Area Harvested	89.5	87.6	75.0	75.0
			<i>Bushels</i>	
Yield per Harvested Acre	49.3	50.6	47.4	47.4
			<i>Million Bushels</i>	
Beginning Stocks	302	438	909	909
Production	4,412	4,428	3,558	3,558
Imports	22	14	15	15
Supply, Total	4,735	4,880	4,482	4,482
Crushings	2,055	2,092	2,105	2,125
Exports	2,134	1,748	1,825	1,775
Seed	104	88	99	97
Residual	5	43	29	5
Use, Total	4,297	3,971	4,058	4,002
Ending Stocks	438	909	425	480
Avg. Farm Price (\$/bu) 2/	9.33	8.48	8.70	8.65
SOYBEAN OIL				
			<i>Million Pounds</i>	
Beginning Stocks	1,711	1,995	1,775	1,775
Production 4/	23,772	24,197	24,290	24,480
Imports	335	398	450	375
Supply, Total	25,819	26,590	26,515	26,630
Domestic Disappearance	21,380	22,874	22,900	22,400
Biodiesel 3/	7,134	7,863	8,000	7,700
Food, Feed & other Industrial	14,247	15,011	14,900	14,700
Exports	2,443	1,941	2,100	2,400
Use, Total	23,823	24,815	25,000	24,800
Ending stocks	1,995	1,775	1,515	1,830
Avg. Price (c/lb) 2/	30.04	28.26	31.50	30.00
SOYBEAN MEAL				
			<i>Thousand Short Tons</i>	
Beginning Stocks	401	555	402	402
Production 4/	49,226	48,814	49,473	49,973
Imports	483	684	500	550
Supply, Total	50,109	50,053	50,375	50,925
Domestic Disappearance	35,537	36,097	36,800	37,100
Exports	14,016	13,554	13,200	13,450
Use, Total	49,554	49,651	50,000	50,550
Ending Stocks	555	402	375	375
Avg. Price (\$/s.t.) 2/	345.02	308.28	305.00	305.00

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 2,085 million bushels for 2018/19 and 2,125 million bushels for 2019/20.

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U.S. Sugar Supply and Use 1/

	2017/18	2018/19 Est.	2019/20 Proj. Mar	2019/20 Proj. Apr
	<i>1,000 Short Tons, Raw Value</i>			
Beginning Stocks	1,876	2,008	1,783	1,783
Production 2/	9,293	8,999	8,031	8,038
Beet Sugar	5,279	4,939	4,317	4,298
Cane Sugar	4,014	4,060	3,713	3,740
Florida	1,983	2,005	2,069	2,100
Hawaii	0	0	0	0
Louisiana	1,862	1,907	1,513	1,513
Texas	169	147	131	127
Imports	3,277	3,070	3,339	3,879
TRQ 3/	1,663	1,541	1,674	2,180
Other Program 4/	326	438	350	350
Other 5/	1,287	1,092	1,315	1,349
Mexico	1,223	1,000	1,165	1,199
Total Supply	14,445	14,077	13,153	13,699
Exports	170	35	35	35
Deliveries	12,185	12,231	12,230	12,230
Food	12,048	12,106	12,125	12,125
Other 6/	137	126	105	105
Miscellaneous	82	28	0	0
Total Use	12,438	12,294	12,265	12,265
Ending Stocks	2,008	1,783	888	1,434
Stocks to Use Ratio	16.1	14.5	7.2	11.7

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/or processor projections/industry data where appropriate. 3/ For 2018/19, WTO raw sugar TRQ shortfall (56) and for 2019/20 (84). 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 (91) and 2019/20 (150). 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 -- 374; 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>					
2018/19 Est.	Mar	1,395	6,426	85	4,532	2,204	1,169
	Apr	1,395	6,426	85	4,532	2,204	1,169
2019/20 Proj.	Mar	1,169	5,200	89	4,492	1,030	936
	Apr	1,169	5,235	89	4,492	1,065	936

1/ HFCS consumption by Mexico (1,000 metric tons, dry basis): 2017/18 = 1,593; Estimated 2018/19 = 1,528; Projected 2019/20 = 1,520; Estimated Oct-Feb 2019/20 = 571, Oct-Feb 2018/19 = 588. 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 (463 est); 2019/20 (435 proj). Other Deliveries/Ending Year Statistical Adjustments: 2018/19 (-23), 2019/20 (0).

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U.S. Cotton Supply and Use 1/

	2017/18	2018/19 Est.	2019/20 Proj. Mar	2019/20 Proj. Apr
Area				
		<i>Million Acres</i>		
Planted	12.72	14.10	13.74	13.74
Harvested	11.10	10.21	11.80	11.80
		<i>Pounds</i>		
Yield per Harvested Acre	905	864	805	805
		<i>Million 480 Pound Bales</i>		
Beginning Stocks	2.75	4.20	4.85	4.85
Production	20.92	18.37	19.80	19.80
Imports	0.00	0.00	0.01	0.01
Supply, Total	23.68	22.57	24.66	24.66
Domestic Use	3.23	2.98	3.00	2.90
Exports, Total	16.28	14.76	16.50	15.00
Use, Total	19.50	17.74	19.50	17.90
Unaccounted 2/	-0.03	-0.02	0.06	0.06
Ending Stocks	4.20	4.85	5.10	6.70
Avg. Farm Price 3/	68.6	70.3	60.0	59.0

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.

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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/	262.79	762.88	181.04	146.63	741.98	182.47	283.69
World Less China	147.86	628.55	177.10	129.13	620.98	181.47	152.49
United States	32.13	47.38	4.30	1.29	29.25	24.66	29.91
Total Foreign	230.65	715.50	176.73	145.34	712.73	157.82	253.78
Major Exporters 4/	36.22	333.09	6.97	89.48	205.25	131.17	39.86
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	4.13	9.03	22.00	6.73
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/	160.57	202.93	116.31	37.90	290.30	12.43	177.08
Bangladesh	1.76	1.15	6.47	0.25	7.15	0.00	2.23
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	6.55	0.28	1.23
N. Africa 7/	14.28	19.25	27.45	2.25	45.23	0.88	14.86
Nigeria	0.20	0.07	5.16	0.05	4.83	0.40	0.20
Sel. Mideast 8/	16.65	18.36	18.46	4.10	37.92	0.90	14.65
Southeast Asia 9/	5.68	0.00	26.37	8.99	25.44	1.11	5.51
Selected Other							
India	9.80	98.51	1.17	5.00	95.68	0.57	13.23
Kazakhstan	3.54	14.80	0.10	2.10	6.90	9.00	2.54
2018/19 Est.							
World 3/	283.69	731.46	170.54	139.43	737.05	173.54	278.10
World Less China	152.49	600.03	167.39	119.43	612.05	172.54	138.33
United States	29.91	51.31	3.67	2.44	30.02	25.48	29.39
Total Foreign	253.78	680.15	166.86	136.99	707.03	148.07	248.71
Major Exporters 4/	39.86	302.60	7.17	81.73	196.22	120.77	32.64
Argentina	0.47	19.50	0.01	0.05	6.05	12.19	1.74
Australia	5.51	17.30	0.36	5.70	9.20	9.01	4.96
Canada	6.73	32.20	0.48	3.98	8.97	24.40	6.04
European Union 5/	13.89	136.86	5.76	51.50	122.70	23.31	10.50
Russia	12.03	71.69	0.45	18.00	40.50	35.84	7.82
Ukraine	1.24	25.06	0.11	2.50	8.80	16.02	1.59
Major Importers 6/	177.08	200.27	111.26	38.44	294.44	12.33	181.84
Bangladesh	2.23	1.10	5.10	0.28	7.18	0.00	1.26
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	1.23	0.86	5.73	0.68	6.48	0.29	1.05
N. Africa 7/	14.86	21.00	26.95	2.25	46.15	1.19	15.47
Nigeria	0.20	0.06	4.59	0.05	4.25	0.40	0.20
Sel. Mideast 8/	14.65	18.37	17.23	3.55	37.90	0.58	11.77
Southeast Asia 9/	5.51	0.00	26.37	8.14	25.34	1.10	5.44
Selected Other							
India	13.23	99.87	0.02	5.00	95.63	0.50	16.99
Kazakhstan	2.54	13.95	0.09	1.80	6.60	8.30	1.68

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.

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

2019/20 Proj.		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Mar	277.57	764.49	180.81	147.91	754.93	183.62	287.14
	Apr	278.10	764.46	180.24	144.26	749.78	182.71	292.78
World Less China	Mar	137.81	630.90	176.81	126.91	626.93	182.52	138.88
	Apr	138.33	630.87	176.24	125.26	623.78	181.71	142.43
United States	Mar	29.39	52.26	2.86	4.08	31.71	27.22	25.58
	Apr	29.39	52.26	2.86	3.67	31.30	26.81	26.40
Total Foreign	Mar	248.19	712.24	177.96	143.83	723.22	156.41	261.56
	Apr	248.71	712.21	177.38	140.59	718.48	155.91	266.38
Major Exporters 4/	Mar	32.14	323.66	6.41	84.95	199.65	132.00	30.56
	Apr	32.64	323.83	6.41	83.95	199.35	132.20	31.34
Argentina	Mar	1.74	19.50	0.01	0.05	6.15	13.50	1.60
	Apr	1.74	19.50	0.01	0.05	6.15	13.50	1.60
Australia	Mar	4.96	15.20	0.55	5.20	8.70	8.00	4.01
	Apr	4.96	15.20	0.55	5.20	8.70	8.20	3.81
Canada	Mar	6.04	32.35	0.50	4.90	9.90	23.00	5.99
	Apr	6.04	32.35	0.50	4.90	9.90	23.00	5.99
European Union 5/	Mar	10.00	154.00	4.80	55.00	126.50	32.00	10.30
	Apr	10.50	154.00	4.80	54.00	125.50	33.50	10.30
Russia	Mar	7.82	73.61	0.48	17.00	39.50	35.00	7.40
	Apr	7.82	73.61	0.48	17.00	40.00	33.50	8.40
Ukraine	Mar	1.59	29.00	0.08	2.80	8.90	20.50	1.26
	Apr	1.59	29.17	0.08	2.80	9.10	20.50	1.23
Major Importers 6/	Mar	181.74	203.40	119.47	39.56	300.79	13.38	190.44
	Apr	181.84	203.33	119.24	37.26	298.37	13.18	192.85
Bangladesh	Mar	1.26	1.20	6.50	0.30	7.30	0.00	1.66
	Apr	1.26	1.20	6.50	0.30	7.30	0.00	1.66
Brazil	Mar	1.06	5.20	7.50	0.50	12.10	0.60	1.06
	Apr	1.06	5.20	7.20	0.50	12.10	0.50	0.86
China	Mar	139.77	133.59	4.00	21.00	128.00	1.10	148.26
	Apr	139.77	133.59	4.00	19.00	126.00	1.00	150.36
Japan	Mar	0.95	0.96	5.90	0.70	6.50	0.28	1.03
	Apr	1.05	0.96	5.60	0.60	6.25	0.28	1.08
N. Africa 7/	Mar	15.47	18.47	26.90	2.25	46.75	0.99	13.11
	Apr	15.47	18.40	27.25	2.25	46.78	0.99	13.36
Nigeria	Mar	0.20	0.06	5.10	0.05	4.76	0.40	0.20
	Apr	0.20	0.06	5.10	0.05	4.76	0.40	0.20
Sel. Mideast 8/	Mar	11.77	22.68	16.77	3.52	38.64	0.77	11.81
	Apr	11.77	22.68	16.79	3.52	38.64	0.80	11.80
Southeast Asia 9/	Mar	5.44	0.00	27.00	7.84	25.69	1.04	5.71
	Apr	5.44	0.00	27.00	7.84	25.69	1.02	5.73
Selected Other								
India	Mar	16.99	103.60	0.02	6.00	98.00	0.50	22.11
	Apr	16.99	103.60	0.02	6.00	96.11	0.50	24.00
Kazakhstan	Mar	1.68	11.45	0.35	1.60	6.40	6.00	1.09
	Apr	1.68	11.45	0.35	1.60	6.40	6.00	1.09

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.

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

2017/18	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	385.81	1,361.54	187.76	834.96	1,376.11	185.27	371.24
World Less China	162.32	1,095.82	171.34	637.41	1,093.51	185.21	148.26
United States	62.17	384.39	2.93	138.85	324.40	67.16	57.92
Total Foreign	323.64	977.16	184.84	696.12	1,051.71	118.12	313.32
Major Exporters 4/	38.46	252.15	3.66	125.39	169.37	97.68	27.22
Argentina	6.70	39.32	0.01	11.98	17.61	24.91	3.50
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	1.74	15.90	23.20	5.78	4.57
Russia	2.06	41.72	0.13	21.57	31.02	11.52	1.37
Ukraine	3.06	34.07	0.05	8.44	11.77	22.50	2.91
Major Importers 5/	38.33	245.29	133.70	283.67	367.89	10.01	39.41
European Union 6/	15.11	152.10	19.40	120.85	162.37	7.92	16.33
Japan	1.69	0.19	17.56	13.62	17.62	0.00	1.82
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/	3.41	30.20	14.54	36.37	44.59	1.01	2.56
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
2018/19 Est.							
World 3/	371.24	1,396.37	192.69	849.82	1,419.50	211.64	348.12
World Less China	148.26	1,131.86	182.15	654.37	1,132.13	211.57	137.52
United States	57.92	377.91	2.64	143.14	323.05	54.94	60.47
Total Foreign	313.32	1,018.47	190.05	706.69	1,096.45	156.69	287.64
Major Exporters 4/	27.22	292.61	5.74	126.34	171.07	133.64	20.87
Argentina	3.50	59.22	0.01	12.48	18.34	40.68	3.71
Australia	2.29	10.93	0.00	4.74	6.81	4.09	2.34
Brazil	9.67	104.33	2.32	59.95	70.98	39.79	5.55
Canada	4.57	26.20	2.69	16.20	24.15	5.97	3.34
Russia	1.37	35.00	0.05	18.80	27.37	7.84	1.22
Ukraine	2.91	44.50	0.06	7.73	10.86	34.07	2.55
Major Importers 5/	39.41	243.34	142.94	294.86	379.61	10.32	35.76
European Union 6/	16.33	148.11	26.41	126.60	168.57	8.82	13.45
Japan	1.82	0.18	17.73	13.78	17.89	0.00	1.84
Mexico	6.18	33.40	17.41	31.27	50.51	0.72	5.76
N. Afr & Mideast 7/	7.76	31.08	38.82	61.98	70.11	0.10	7.46
Saudi Arabia	2.08	0.29	10.17	10.65	11.10	0.00	1.45
Southeast Asia 8/	2.56	29.99	16.84	37.69	45.72	0.68	2.99
South Korea	1.86	0.20	10.96	8.60	11.18	0.00	1.85
Selected Other							
China	222.98	264.51	10.54	195.45	287.37	0.07	210.59

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, South Africa, 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.

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

2019/20 Proj.		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Mar	347.97	1,402.75	202.47	866.57	1,423.39	200.08	327.33
	Apr	348.12	1,403.77	203.62	870.22	1,418.46	200.86	333.43
World Less China	Mar	137.38	1,134.55	187.47	670.47	1,129.14	200.02	127.85
	Apr	137.52	1,135.57	187.22	672.82	1,122.91	200.80	133.85
United States	Mar	60.47	361.19	3.39	145.68	326.24	47.39	51.42
	Apr	60.47	361.19	3.21	148.85	319.76	48.68	56.43
Total Foreign	Mar	287.50	1,041.56	199.08	720.89	1,097.15	152.69	275.92
	Apr	287.65	1,042.58	200.41	721.37	1,098.70	152.18	277.00
Major Exporters 4/	Mar	21.11	303.67	3.69	128.59	174.25	131.00	23.23
	Apr	20.87	303.79	3.70	129.28	174.99	129.97	23.40
Argentina	Mar	3.96	56.75	0.01	12.85	19.29	36.51	4.92
	Apr	3.71	56.75	0.01	12.85	19.29	36.51	4.67
Australia	Mar	2.34	10.56	0.00	4.32	6.29	4.35	2.26
	Apr	2.34	10.56	0.00	4.32	6.29	4.35	2.26
Brazil	Mar	5.55	104.35	1.90	59.87	71.00	36.01	4.79
	Apr	5.55	104.35	1.90	59.87	71.00	36.01	4.79
Canada	Mar	3.34	28.56	1.56	16.30	23.86	5.35	4.25
	Apr	3.34	28.56	1.57	16.30	23.86	5.35	4.26
Russia	Mar	1.22	40.50	0.09	21.44	30.39	9.44	1.98
	Apr	1.22	40.50	0.09	22.14	31.09	8.40	2.32
Ukraine	Mar	2.55	46.43	0.03	6.93	10.15	36.84	2.01
	Apr	2.55	46.55	0.03	6.92	10.19	36.84	2.09
Major Importers 5/	Mar	35.56	254.16	145.91	302.80	388.60	11.35	35.68
	Apr	35.76	254.93	145.89	301.68	388.74	11.91	35.94
European Union 6/	Mar	13.53	159.04	21.83	125.80	168.47	9.83	16.10
	Apr	13.45	160.67	21.83	125.80	169.47	10.53	15.96
Japan	Mar	1.83	0.20	17.77	13.96	18.07	0.00	1.72
	Apr	1.84	0.20	17.72	13.91	18.03	0.00	1.72
Mexico	Mar	5.76	30.60	18.50	31.96	51.14	0.70	3.02
	Apr	5.76	30.41	18.36	31.82	51.00	0.70	2.83
N. Afr & Mideast 7/	Mar	7.46	33.16	42.84	66.99	75.42	0.14	7.89
	Apr	7.46	33.33	42.79	66.97	75.37	0.10	8.11
Saudi Arabia	Mar	1.45	0.27	11.51	11.15	11.61	0.00	1.62
	Apr	1.45	0.27	11.51	11.15	11.61	0.00	1.62
Southeast Asia 8/	Mar	2.84	30.61	18.17	39.87	48.02	0.68	2.92
	Apr	2.99	29.77	18.10	38.77	47.19	0.59	3.07
South Korea	Mar	1.94	0.20	10.91	8.55	11.14	0.00	1.92
	Apr	1.85	0.20	11.51	9.05	11.64	0.00	1.92
Selected Other								
China	Mar	210.59	268.20	15.00	196.10	294.25	0.06	199.48
	Apr	210.59	268.20	16.40	197.40	295.55	0.06	199.58

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, South Africa, 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.

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

2017/18	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	351.96	1,080.09	149.93	672.36	1,090.45	148.24	341.60
World Less China	128.94	821.02	146.47	485.36	827.45	148.22	119.07
United States	58.25	371.10	0.92	134.73	313.98	61.92	54.37
Total Foreign	293.70	708.99	149.02	537.63	776.47	86.32	287.23
Major Exporters 4/	25.37	164.42	1.18	81.63	102.58	72.26	16.12
Argentina	5.27	32.00	0.01	8.50	12.40	22.47	2.41
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	1.60	24.12	0.04	4.90	6.15	18.04	1.57
Major Importers 5/	22.05	126.27	88.35	154.90	209.05	3.71	23.91
Egypt	1.89	6.40	9.46	13.40	15.90	0.01	1.85
European Union 6/	7.60	62.01	18.47	57.00	76.50	1.75	9.82
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/	3.40	30.15	14.20	36.30	44.20	1.00	2.55
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	1.67	8.84	13.99	1.94	2.42
China	223.02	259.07	3.46	187.00	263.00	0.02	222.53
2018/19 Est.							
World 3/	341.60	1,123.65	162.93	702.30	1,144.30	180.89	320.94
World Less China	119.07	866.32	158.45	511.30	870.30	180.87	110.62
United States	54.37	364.26	0.71	137.93	310.47	52.46	56.41
Total Foreign	287.23	759.39	162.22	564.36	833.83	128.43	264.53
Major Exporters 4/	16.12	211.04	2.27	85.30	107.10	111.28	11.05
Argentina	2.41	51.00	0.01	9.70	13.80	37.24	2.37
Brazil	9.28	101.00	1.66	57.00	67.00	39.75	5.19
Russia	0.20	11.42	0.04	7.60	8.50	2.77	0.38
South Africa	2.67	11.82	0.53	6.40	12.00	1.20	1.83
Ukraine	1.57	35.81	0.04	4.60	5.80	30.32	1.29
Major Importers 5/	23.91	128.86	99.11	170.33	224.97	5.03	21.89
Egypt	1.85	6.80	9.37	13.70	16.20	0.00	1.81
European Union 6/	9.82	64.36	25.21	68.00	88.00	3.63	7.76
Japan	1.39	0.00	16.05	12.30	16.00	0.00	1.44
Mexico	5.65	27.60	16.66	25.90	44.10	0.72	5.09
Southeast Asia 7/	2.55	29.94	16.46	37.60	45.30	0.68	2.98
South Korea	1.85	0.08	10.86	8.56	10.95	0.00	1.83
Selected Other							0.00
Canada	2.42	13.89	2.63	9.37	15.16	1.80	1.98
China	222.53	257.33	4.48	191.00	274.00	0.02	210.32

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.

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

2019/20 Proj.		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Mar	320.81	1,112.01	168.62	705.80	1,135.47	165.83	297.34
	Apr	320.94	1,113.02	169.03	709.28	1,130.79	165.93	303.17
World Less China	Mar	110.49	851.24	161.62	515.80	856.47	165.81	98.27
	Apr	110.62	852.25	162.03	519.28	851.79	165.91	104.10
United States	Mar	56.41	347.78	1.27	140.34	313.58	43.82	48.07
	Apr	56.41	347.78	1.14	144.15	308.37	43.82	53.15
Total Foreign	Mar	264.40	764.22	167.35	565.46	821.89	122.01	249.27
	Apr	264.53	765.24	167.89	565.12	822.42	122.11	250.02
Major Exporters 4/	Mar	11.30	217.08	1.27	85.70	108.35	108.70	12.59
	Apr	11.05	217.16	1.27	86.10	108.80	108.20	12.48
Argentina	Mar	2.61	50.00	0.01	10.30	15.00	33.50	4.12
	Apr	2.37	50.00	0.01	10.30	15.00	33.50	3.87
Brazil	Mar	5.19	101.00	1.20	57.00	67.00	36.00	4.39
	Apr	5.19	101.00	1.20	57.00	67.00	36.00	4.39
Russia	Mar	0.38	14.28	0.04	8.30	9.30	4.70	0.69
	Apr	0.38	14.28	0.04	8.70	9.70	4.20	0.79
South Africa	Mar	1.83	16.00	0.00	6.80	12.60	2.50	2.73
	Apr	1.83	16.00	0.00	6.80	12.60	2.50	2.73
Ukraine	Mar	1.29	35.80	0.02	3.30	4.45	32.00	0.66
	Apr	1.29	35.89	0.02	3.30	4.50	32.00	0.70
Major Importers 5/	Mar	21.69	127.12	97.20	167.90	222.85	4.29	18.87
	Apr	21.89	127.91	97.10	167.00	223.10	4.90	18.90
Egypt	Mar	1.81	6.40	9.90	14.20	16.70	0.01	1.40
	Apr	1.81	6.40	9.90	14.20	16.70	0.01	1.40
European Union 6/	Mar	7.84	65.00	21.00	62.00	82.50	2.90	8.44
	Apr	7.76	66.63	21.00	62.00	83.50	3.60	8.29
Japan	Mar	1.44	0.00	16.00	12.40	16.10	0.00	1.34
	Apr	1.44	0.00	16.00	12.40	16.10	0.00	1.34
Mexico	Mar	5.09	25.00	17.50	26.50	44.50	0.70	2.39
	Apr	5.09	25.00	17.30	26.50	44.50	0.70	2.19
Southeast Asia 7/	Mar	2.83	30.56	17.70	39.80	47.50	0.68	2.91
	Apr	2.98	29.72	17.50	38.70	46.55	0.59	3.06
South Korea	Mar	1.93	0.08	10.80	8.50	10.90	0.00	1.91
	Apr	1.83	0.08	11.40	9.00	11.40	0.00	1.91
Selected Other								
Canada	Mar	1.98	13.40	1.50	8.50	13.90	0.90	2.08
	Apr	1.98	13.40	1.50	8.50	13.90	0.90	2.08
China	Mar	210.32	260.77	7.00	190.00	279.00	0.02	199.07
	Apr	210.32	260.77	7.00	190.00	279.00	0.02	199.07

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.

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

2017/18	Beginning Stocks	Production	Imports	Total /2 Domestic	Exports	Ending Stocks
World 3/	149.89	494.92	46.98	482.28	47.25	162.53
World Less China	51.39	346.05	41.48	339.77	45.88	53.53
United States	1.46	5.66	0.87	4.30	2.76	0.93
Total Foreign	148.43	489.26	46.11	477.98	44.48	161.60
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/	108.69	241.11	21.35	248.11	1.80	121.25
China	98.50	148.87	5.50	142.51	1.36	109.00
European Union 6/	1.19	2.03	2.01	3.70	0.35	1.18
Indonesia	2.92	37.00	2.35	38.10	0.00	4.16
Nigeria	1.86	4.73	2.00	6.90	0.00	1.69
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/	0.67	1.64	1.60	3.25	0.04	0.63
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/	162.53	499.07	43.57	485.89	43.69	175.71
World Less China	53.53	350.58	40.57	343.17	40.92	60.71
United States	0.93	7.11	0.92	4.57	2.97	1.42
Total Foreign	161.60	491.96	42.65	481.33	40.72	174.29
Major Exporters 4/	28.88	184.66	0.76	145.41	31.76	37.13
Burma	0.81	13.20	0.01	10.25	2.70	1.07
India	22.60	116.48	0.00	99.16	10.42	29.50
Pakistan	1.42	7.30	0.00	3.30	4.50	0.92
Thailand	3.01	20.34	0.25	11.50	7.56	4.54
Vietnam	1.03	27.34	0.50	21.20	6.58	1.10
Major Importers 5/	121.25	241.91	16.83	249.67	3.18	127.14
China	109.00	148.49	3.00	142.72	2.77	115.00
European Union 6/	1.18	1.98	2.15	3.80	0.30	1.20
Indonesia	4.16	36.70	0.60	38.10	0.00	3.36
Nigeria	1.69	4.79	1.90	7.00	0.00	1.38
Philippines	2.29	11.73	3.60	14.10	0.00	3.52
Sel. Mideast 7/	0.91	2.01	3.83	5.90	0.00	0.84
Selected Other						0.00
Brazil	0.49	7.14	0.76	7.45	0.83	0.11
C. Amer & Carib 8/	0.63	1.65	1.79	3.37	0.04	0.67
Egypt	1.56	2.80	0.81	4.15	0.02	1.00
Japan	2.22	7.66	0.63	8.40	0.07	2.05
Mexico	0.15	0.19	0.74	0.92	0.03	0.14
South Korea	1.56	3.87	0.29	4.57	0.05	1.09

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.

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

2019/20 Proj.		Beginning Stocks	Production	Imports	Total /2 Domestic	Exports	Ending Stocks
World 3/	Mar	175.32	499.31	42.04	492.32	44.28	182.30
	Apr	175.71	496.08	41.21	490.19	42.17	181.60
World Less China	Mar	60.32	352.58	39.64	349.39	41.08	64.30
	Apr	60.71	349.35	38.81	347.26	38.97	63.60
United States	Mar	1.42	5.86	1.03	4.22	3.14	0.95
	Apr	1.42	5.86	1.02	4.22	3.14	0.94
Total Foreign	Mar	173.90	493.45	41.01	488.10	41.14	181.35
	Apr	174.29	490.22	40.20	485.97	39.03	180.67
Major Exporters 4/	Mar	36.88	185.60	0.66	149.05	32.10	41.99
	Apr	37.13	183.57	0.66	149.05	30.60	41.71
Burma	Mar	1.10	13.30	0.01	10.55	2.70	1.16
	Apr	1.07	12.70	0.01	10.45	2.20	1.13
India	Mar	29.50	118.00	0.00	102.00	10.50	35.00
	Apr	29.50	118.00	0.00	102.30	10.20	35.00
Pakistan	Mar	0.92	7.50	0.00	3.30	4.40	0.72
	Apr	0.92	7.50	0.00	3.30	4.40	0.72
Thailand	Mar	4.24	18.50	0.25	11.70	7.50	3.79
	Apr	4.54	18.00	0.25	11.50	7.50	3.79
Vietnam	Mar	1.12	28.30	0.40	21.50	7.00	1.32
	Apr	1.10	27.37	0.40	21.50	6.30	1.07
Major Importers 5/	Mar	127.12	241.64	14.86	250.38	3.61	129.63
	Apr	127.14	241.06	14.21	249.73	3.61	129.07
China	Mar	115.00	146.73	2.40	142.93	3.20	118.00
	Apr	115.00	146.73	2.40	142.93	3.20	118.00
European Union 6/	Mar	1.18	1.97	2.20	3.90	0.30	1.15
	Apr	1.20	1.99	2.20	3.90	0.30	1.19
Indonesia	Mar	3.36	36.50	1.00	37.80	0.00	3.06
	Apr	3.36	36.50	1.00	37.80	0.00	3.06
Nigeria	Mar	1.38	4.90	1.50	6.80	0.00	0.98
	Apr	1.38	4.90	1.20	6.50	0.00	0.98
Philippines	Mar	3.52	12.00	2.60	14.40	0.00	3.72
	Apr	3.52	11.40	2.60	14.40	0.00	3.12
Sel. Mideast 7/	Mar	0.84	2.29	3.75	6.10	0.00	0.79
	Apr	0.84	2.29	3.40	5.75	0.00	0.79
Selected Other							
Brazil	Mar	0.23	7.14	1.10	7.50	0.60	0.37
	Apr	0.11	7.14	0.85	7.45	0.50	0.15
C. Amer & Carib 8/	Mar	0.65	1.52	1.95	3.45	0.03	0.64
	Apr	0.67	1.50	1.91	3.39	0.03	0.65
Egypt	Mar	1.00	4.30	0.20	4.35	0.10	1.05
	Apr	1.00	4.30	0.20	4.35	0.10	1.05
Japan	Mar	1.95	7.80	0.69	8.40	0.07	1.97
	Apr	2.05	7.61	0.69	8.30	0.07	1.97
Mexico	Mar	0.14	0.18	0.79	0.93	0.01	0.16
	Apr	0.14	0.18	0.79	0.93	0.01	0.16
South Korea	Mar	0.95	3.74	0.55	4.45	0.06	0.74
	Apr	1.09	3.74	0.55	4.10	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/ 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.

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

2017/18	Beginning Stocks	Production	Imports	Domestic Use	Exports	Loss /2	Ending Stocks
World	80.26	123.78	41.15	122.75	41.58	0.12	80.74
World Less China	34.34	96.28	35.44	81.75	41.45	0.12	42.75
United States	2.75	20.92	3/	3.23	16.28	-0.03	4.20
Total Foreign	77.51	102.86	41.15	119.53	25.31	0.15	76.54
Major Exporters 4/	21.88	57.10	2.47	32.75	21.93	0.02	26.75
Central Asia 5/	2.18	6.50	3/	3.38	2.63	0.00	2.67
Afr. Fr. Zone 6/	1.43	5.44	3/	0.14	5.13	0.00	1.61
S. Hemis. 7/	10.18	15.70	0.24	4.44	8.65	0.01	13.01
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	36.05	82.74	2.35	0.12	47.95
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/	3.52	3.50	0.01	0.00	0.63
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
2018/19 Est.							
World	80.74	118.61	42.47	120.30	41.12	0.12	80.28
World Less China	42.75	90.86	32.83	80.80	40.91	0.12	44.61
United States	4.20	18.37	3/	2.98	14.76	-0.02	4.85
Total Foreign	76.54	100.24	42.47	117.32	26.36	0.14	75.43
Major Exporters 4/	26.75	54.61	2.48	32.99	22.13	0.02	28.68
Central Asia 5/	2.67	5.44	3/	3.80	2.01	0.00	2.31
Afr. Fr. Zone 6/	1.61	5.42	3/	0.14	5.31	0.00	1.58
S. Hemis. 7/	13.01	17.31	0.18	4.39	10.86	0.01	15.23
Australia	3.04	2.20	3/	0.04	3.63	0.00	1.57
Brazil	8.66	13.00	0.02	3.40	6.02	0.00	12.26
India	9.23	25.80	1.80	24.00	3.51	0.00	9.31
Major Importers 8/	47.95	42.64	37.46	80.16	2.99	0.11	44.79
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	1.71	0.64	0.69	1.72	0.03	0.22
Turkey	1.78	3.70	3.50	6.90	0.48	0.00	1.59
Pakistan	2.83	7.60	2.85	10.70	0.06	0.03	2.50
Indonesia	0.63	3/	3.05	3.15	0.01	0.00	0.53
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.

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

2019/20 Proj.		Beginning Stocks	Production	Imports	Domestic Use	Exports	Loss /2	Ending Stocks
World	Mar	80.18	121.59	43.57	118.16	43.60	0.19	83.40
	Apr	80.28	121.71	40.68	110.58	40.64	0.19	91.26
World Less China	Mar	44.51	94.34	35.32	81.66	43.42	0.19	48.90
	Apr	44.61	94.46	33.18	75.58	40.46	0.19	56.02
United States	Mar	4.85	19.80	0.01	3.00	16.50	0.06	5.10
	Apr	4.85	19.80	0.01	2.90	15.00	0.06	6.70
Total Foreign	Mar	75.33	101.79	43.57	115.16	27.10	0.13	78.30
	Apr	75.43	101.91	40.67	107.68	25.64	0.13	84.56
Major Exporters 4/	Mar	28.57	57.81	2.98	34.05	22.70	0.02	32.58
	Apr	28.68	57.86	2.63	31.08	21.40	0.02	36.67
Central Asia 5/	Mar	2.31	6.01	3/	4.35	1.74	0.00	2.23
	Apr	2.31	5.96	3/	4.13	1.63	0.00	2.50
Afr. Fr. Zone 6/	Mar	1.44	6.10	3/	0.14	5.71	0.00	1.69
	Apr	1.58	6.10	3/	0.14	5.27	0.00	2.27
S. Hemis. 7/	Mar	15.23	15.71	0.18	4.38	11.36	0.01	15.38
	Apr	15.23	15.86	0.18	4.21	10.93	0.01	16.13
Australia	Mar	1.57	0.68	3/	0.04	1.30	0.00	0.91
	Apr	1.57	0.63	3/	0.04	1.20	0.00	0.96
Brazil	Mar	12.26	13.00	0.03	3.40	8.80	0.00	13.08
	Apr	12.26	13.20	0.03	3.30	8.60	0.00	13.58
India	Mar	9.31	29.50	2.30	24.50	3.60	0.00	13.01
	Apr	9.31	29.50	2.00	22.00	3.30	0.00	15.51
Major Importers 8/	Mar	44.80	40.93	37.73	76.91	2.91	0.11	43.53
	Apr	44.79	40.97	35.03	72.68	2.81	0.11	45.19
Mexico	Mar	0.77	1.57	0.80	1.95	0.43	0.03	0.74
	Apr	0.77	1.57	0.70	1.85	0.38	0.03	0.79
China	Mar	35.67	27.25	8.25	36.50	0.18	0.00	34.50
	Apr	35.67	27.25	7.50	35.00	0.18	0.00	35.25
European Union 9/	Mar	0.23	1.96	0.65	0.69	1.83	0.03	0.29
	Apr	0.22	2.00	0.64	0.63	1.78	0.03	0.42
Turkey	Mar	1.59	3.40	4.30	7.30	0.35	0.00	1.64
	Apr	1.59	3.40	4.00	6.80	0.35	0.00	1.84
Pakistan	Mar	2.50	6.60	4.20	10.80	0.10	0.03	2.37
	Apr	2.50	6.60	3.70	10.10	0.10	0.03	2.58
Indonesia	Mar	0.53	3/	3.00	3.00	0.01	0.00	0.53
	Apr	0.53	3/	2.90	2.80	0.01	0.00	0.63
Thailand	Mar	0.18	3/	0.95	0.95	0.00	0.03	0.15
	Apr	0.18	3/	0.88	0.85	0.00	0.03	0.18
Bangladesh	Mar	1.78	0.14	7.30	7.40	0.00	0.01	1.81
	Apr	1.78	0.14	6.90	6.90	0.00	0.01	1.91
Vietnam	Mar	1.19	3/	6.80	6.80	0.00	0.00	1.19
	Apr	1.19	3/	6.40	6.30	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.

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

2017/18		Beginning Stocks	Production	Imports	Domestic Crush	Domestic Total	Exports	Ending Stocks
World 2/		94.80	342.09	153.23	294.61	338.03	153.08	99.02
World Less China		74.68	326.81	59.13	204.61	231.73	152.94	75.95
United States		8.21	120.07	0.59	55.93	58.87	58.07	11.92
Total Foreign		86.59	222.02	152.64	238.68	279.15	95.01	87.09
Major Exporters 3/		60.21	171.61	4.89	85.08	94.17	85.55	56.99
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		0.00	10.48	0.01	3.87	3.95	6.03	0.51
Major Importers 4/		22.79	19.19	124.46	116.06	140.34	0.43	25.67
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	7.65	3.46	8.63	0.02	0.84
Mexico		0.15	0.43	4.87	5.25	5.29	0.00	0.17
2018/19 Est.								
World 2/		99.02	358.65	144.64	297.85	343.19	148.30	110.81
World Less China		75.95	342.68	62.10	212.85	241.19	148.18	91.36
United States		11.92	120.52	0.38	56.94	60.52	47.56	24.74
Total Foreign		87.09	238.13	144.26	240.91	282.67	100.73	86.07
Major Exporters 3/		56.99	183.98	6.56	87.01	96.31	91.35	59.88
Argentina		23.73	55.30	6.41	40.57	47.45	9.10	28.89
Brazil		32.74	117.00	0.14	42.47	44.81	74.59	30.48
Paraguay		0.51	8.85	0.01	3.90	3.97	4.90	0.50
Major Importers 4/		25.67	19.84	115.00	112.86	138.00	0.31	22.19
China		23.06	15.97	82.54	85.00	102.00	0.12	19.46
European Union		1.40	2.66	14.98	15.50	17.16	0.18	1.71
Southeast Asia		0.84	0.66	8.30	3.81	9.12	0.02	0.66
Mexico		0.17	0.34	5.87	6.15	6.20	0.00	0.18
2019/20 Proj.								
World 2/	Mar	111.88	341.76	150.75	303.45	350.07	151.88	102.44
	Apr	110.81	338.08	151.47	302.84	348.41	151.50	100.45
World Less China	Mar	92.42	323.66	62.75	217.45	246.37	151.75	80.71
	Apr	91.36	319.98	62.47	216.84	244.71	151.37	77.72
United States	Mar	24.74	96.84	0.41	57.29	60.76	49.67	11.56
	Apr	24.74	96.84	0.41	57.83	60.62	48.31	13.07
Total Foreign	Mar	87.14	244.92	150.34	246.16	289.31	102.21	90.88
	Apr	86.07	241.24	151.06	245.01	287.79	103.19	87.39
Major Exporters 3/	Mar	59.88	192.10	4.06	91.33	101.16	93.23	61.65
	Apr	59.88	188.60	4.06	89.83	99.66	94.73	58.15
Argentina	Mar	28.89	54.00	3.90	43.60	50.70	8.20	27.89
	Apr	28.89	52.00	3.90	41.60	48.70	8.20	27.89
Brazil	Mar	30.48	126.00	0.15	43.75	46.40	77.00	33.23
	Apr	30.48	124.50	0.15	44.25	46.90	78.50	29.73
Paraguay	Mar	0.50	9.90	0.01	3.90	3.98	5.90	0.53
	Apr	0.50	9.90	0.01	3.90	3.98	5.90	0.53
Major Importers 4/	Mar	22.56	21.83	121.84	114.59	140.74	0.42	25.07
	Apr	22.19	21.83	122.57	114.55	140.55	0.40	25.64
China	Mar	19.46	18.10	88.00	86.00	103.70	0.13	21.73
	Apr	19.46	18.10	89.00	86.00	103.70	0.13	22.73
European Union	Mar	1.73	2.60	15.20	15.90	17.61	0.25	1.67
	Apr	1.71	2.60	15.10	15.90	17.56	0.25	1.60
Southeast Asia	Mar	0.97	0.64	9.29	4.06	9.61	0.04	1.25
	Apr	0.66	0.64	9.12	4.02	9.47	0.03	0.92
Mexico	Mar	0.22	0.24	6.00	6.20	6.25	0.00	0.20
	Apr	0.18	0.24	6.00	6.20	6.25	0.00	0.16

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.

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

2017/18	Beginning Stocks	Production	Imports	Domestic Total	Exports	Ending Stocks
World 2/	13.77	232.45	61.13	228.88	64.90	13.57
World Less China	13.77	161.17	61.11	158.78	63.70	13.57
United States	0.36	44.66	0.44	32.24	12.72	0.50
Total Foreign	13.41	187.80	60.69	196.64	52.19	13.07
Major Exporters 3/	7.30	68.86	0.03	25.05	44.16	6.99
Argentina	3.34	28.40	0.00	3.00	26.27	2.48
Brazil	3.32	34.30	0.02	17.31	16.03	4.30
India	0.65	6.16	0.01	4.74	1.86	0.22
Major Importers 4/	1.86	20.48	39.08	59.20	0.64	1.58
European Union	0.49	11.81	18.35	30.04	0.40	0.21
Mexico	0.04	4.15	1.82	5.95	0.02	0.04
Southeast Asia 5/	1.24	2.70	17.18	19.69	0.23	1.21

2018/19 Est.

World 2/	13.57	233.61	62.03	230.13	67.27	11.82
World Less China	13.57	166.29	62.01	163.72	66.34	11.82
United States	0.50	44.28	0.62	32.75	12.30	0.37
Total Foreign	13.07	189.33	61.41	197.38	54.97	11.45
Major Exporters 3/	6.99	71.79	0.10	26.05	46.99	5.83
Argentina	2.48	31.20	0.03	3.13	28.83	1.74
Brazil	4.30	32.91	0.02	17.65	15.97	3.61
India	0.22	7.68	0.05	5.28	2.18	0.48
Major Importers 4/	1.58	21.88	38.85	60.17	0.59	1.55
European Union	0.21	12.25	18.76	30.44	0.37	0.40
Mexico	0.04	4.86	1.84	6.58	0.01	0.15
Southeast Asia 5/	1.21	2.97	16.66	19.75	0.20	0.89

2019/20 Proj.

World 2/	Mar	12.59	238.49	63.78	236.64	66.89	11.33
	Apr	11.82	238.09	63.73	236.42	66.74	10.48
World Less China	Mar	12.59	170.38	63.77	169.49	65.91	11.33
	Apr	11.82	169.97	63.72	169.27	65.76	10.48
United States	Mar	0.37	44.88	0.45	33.38	11.98	0.34
	Apr	0.37	45.34	0.50	33.66	12.20	0.34
Total Foreign	Mar	12.22	193.61	63.33	203.26	54.91	10.99
	Apr	11.45	192.75	63.23	202.77	54.54	10.14
Major Exporters 3/	Mar	5.82	74.12	0.08	27.25	46.85	5.91
	Apr	5.83	72.99	0.08	27.15	46.45	5.30
Argentina	Mar	1.74	33.53	0.00	3.28	30.00	1.99
	Apr	1.74	32.00	0.00	3.28	29.00	1.46
Brazil	Mar	3.61	33.95	0.03	18.48	15.40	3.71
	Apr	3.61	34.35	0.03	18.38	16.00	3.61
India	Mar	0.47	6.64	0.05	5.49	1.45	0.22
	Apr	0.48	6.64	0.05	5.49	1.45	0.23
Major Importers 4/	Mar	2.15	22.46	40.03	62.25	0.49	1.90
	Apr	1.55	22.43	39.55	61.67	0.52	1.35
European Union	Mar	0.34	12.56	18.70	31.14	0.30	0.16
	Apr	0.40	12.56	18.50	30.94	0.30	0.22
Mexico	Mar	0.25	4.90	1.98	6.93	0.01	0.20
	Apr	0.15	4.90	1.93	6.90	0.01	0.07
Southeast Asia 5/	Mar	1.40	3.17	17.68	20.66	0.18	1.40
	Apr	0.89	3.13	17.45	20.35	0.21	0.92

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.

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

2017/18		Beginning Stocks	Production	Imports	Domestic Total	Exports	Ending Stocks
World 2/		3.99	55.13	9.86	54.59	10.54	3.84
World Less China		3.32	39.00	9.38	38.09	10.33	3.27
United States		0.78	10.78	0.15	9.70	1.11	0.91
Total Foreign		3.21	44.34	9.71	44.89	9.43	2.94
Major Exporters 3/		0.73	19.30	0.33	12.29	7.28	0.80
Argentina		0.28	7.24	0.00	3.08	4.16	0.27
Brazil		0.29	8.49	0.05	6.94	1.51	0.37
European Union		0.15	2.84	0.28	2.23	0.90	0.15
Major Importers 4/		1.37	18.44	5.90	24.41	0.27	1.02
China		0.67	16.13	0.48	16.50	0.21	0.57
India		0.48	1.39	2.98	4.67	0.01	0.17
North Africa 5/		0.13	0.70	1.58	2.16	0.06	0.19
2018/19 Est.							
World 2/		3.84	55.71	10.41	54.96	11.18	3.82
World Less China		3.27	40.48	9.63	39.08	10.98	3.32
United States		0.91	10.98	0.18	10.38	0.88	0.81
Total Foreign		2.94	44.73	10.23	44.59	10.30	3.01
Major Exporters 3/		0.80	19.71	0.45	12.24	7.78	0.93
Argentina		0.27	7.91	0.00	2.57	5.26	0.35
Brazil		0.37	8.15	0.02	7.17	1.08	0.30
European Union		0.15	2.95	0.42	2.46	0.79	0.27
Major Importers 4/		1.02	18.00	6.36	23.98	0.31	1.09
China		0.57	15.23	0.78	15.89	0.20	0.50
India		0.17	1.73	3.00	4.75	0.01	0.14
North Africa 5/		0.19	0.74	1.56	2.18	0.10	0.22
2019/20 Proj.							
World 2/	Mar	3.55	56.78	11.17	56.63	11.55	3.32
	Apr	3.82	56.66	10.78	55.73	11.49	4.05
World Less China	Mar	3.05	41.37	10.07	40.23	11.40	2.86
	Apr	3.32	41.25	9.78	39.42	11.34	3.59
United States	Mar	0.81	11.02	0.20	10.39	0.95	0.69
	Apr	0.81	11.10	0.17	10.16	1.09	0.83
Total Foreign	Mar	2.75	45.76	10.96	46.24	10.59	2.63
	Apr	3.01	45.56	10.61	45.57	10.40	3.22
Major Exporters 3/	Mar	0.97	20.66	0.41	12.63	8.36	1.05
	Apr	0.93	20.36	0.46	12.41	8.06	1.29
Argentina	Mar	0.35	8.50	0.00	2.59	5.80	0.46
	Apr	0.35	8.10	0.00	2.39	5.50	0.56
Brazil	Mar	0.30	8.40	0.03	7.45	1.00	0.28
	Apr	0.30	8.50	0.03	7.45	1.00	0.38
European Union	Mar	0.27	3.02	0.38	2.53	0.85	0.29
	Apr	0.27	3.02	0.43	2.53	0.85	0.34
Major Importers 4/	Mar	0.96	18.05	6.87	24.90	0.22	0.77
	Apr	1.09	18.12	6.64	24.61	0.25	0.98
China	Mar	0.50	15.41	1.10	16.40	0.15	0.46
	Apr	0.50	15.41	1.00	16.30	0.15	0.46
India	Mar	0.13	1.50	3.50	5.00	0.01	0.12
	Apr	0.14	1.50	3.35	4.85	0.01	0.12
North Africa 5/	Mar	0.13	0.77	1.57	2.30	0.06	0.12
	Apr	0.22	0.78	1.54	2.24	0.09	0.21

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.

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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>								
2018	Annual	26,872	26,315	53,417	42,601	5,878	49,018	102,435	9,205	217.6
2019	I	6,414	6,838	13,308	10,384	1,446	11,957	25,265	2,335	54.4
	II	6,814	6,615	13,487	10,945	1,451	12,529	26,016	2,351	55.7
	III	6,923	6,706	13,683	11,402	1,453	12,992	26,675	2,347	54.2
	IV	7,000	7,478	14,534	11,175	1,467	12,773	27,306	2,414	54.0
	Annual									
	Mar Est.	27,151	27,637	55,011	43,905	5,818	50,251	105,262	9,447	218.4
Apr Est.	27,151	27,637	55,011	43,905	5,818	50,251	105,262	9,447	218.4	
2020	I	6,925	7,395	14,372	11,110	1,450	12,693	27,065	2,350	55.9
	II*	6,890	6,650	13,593	11,150	1,460	12,747	26,340	2,345	56.7
	III*	6,780	7,250	14,082	11,550	1,485	13,177	27,259	2,385	54.9
	IV*	6,850	7,740	14,644	11,350	1,515	12,995	27,639	2,445	54.6
	Annual									
	Mar Proj.	27,700	28,985	56,905	46,075	5,920	52,530	109,435	9,605	222.3
Apr Proj.	27,445	29,035	56,691	45,160	5,910	51,612	108,303	9,525	222.2	

* 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	Annual	117.12	45.93	97.8	80.2	137.6	16.27
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	18.97
	IV	114.88	43.11	80.6	97.8	117.2	20.53
	Annual						
	Mar Est.	116.78	47.95	88.6	89.2	94.0	18.60
Apr Est.	116.78	47.95	88.6	89.2	94.0	18.60	
2020	I	118.32	42.52	83.5	97.4	133.1	18.90
	II*	105.00	41.00	70.0	102.0	125.0	12.90
	III*	109.00	42.00	72.0	106.0	120.0	12.10
	IV*	112.00	35.00	70.0	108.0	130.0	13.45
	Annual						
	Mar Proj.	114.5	48.0	83.0	100.5	106.0	18.25
Apr Proj.	111.0	40.0	74.0	103.5	127.0	14.35	

*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.

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U.S. Meats Supply and Use

		Beginning Production		Imports	Total Supply	Exports	Ending Stocks	Total Use	Per Capita 2/ 3/	
		stocks	1/							
<i>Million Pounds /4</i>										
Beef	2018	649	26,938	2,998	30,585	3,161	662	26,762	57.3	
	2019 Est.	Mar	662	27,217	3,057	30,936	3,022	642	27,272	58.0
		Apr	662	27,217	3,057	30,936	3,022	642	27,272	58.1
	2020 Proj.	Mar	642	27,766	2,915	31,323	3,265	640	27,418	57.9
		Apr	642	27,511	2,940	31,093	3,160	700	27,233	57.7
Pork	2018	554	26,330	1,042	27,926	5,876	559	21,491	51.0	
	2019 Est.	Mar	559	27,651	945	29,155	6,321	646	22,187	52.3
		Apr	559	27,651	945	29,155	6,321	646	22,187	52.4
	2020 Proj.	Mar	646	28,999	815	30,460	7,750	655	22,055	51.6
		Apr	646	29,049	815	30,510	7,475	780	22,255	52.3
Total Red Meat 5/	2018	1,246	53,507	4,313	59,066	9,043	1,266	48,757	109.7	
	2019 Est.	Mar	1,266	55,101	4,274	60,640	9,349	1,330	49,962	111.6
		Apr	1,266	55,101	4,274	60,640	9,349	1,330	49,962	111.9
	2020 Proj.	Mar	1,330	56,995	3,992	62,316	11,021	1,337	49,959	110.8
		Apr	1,330	56,781	4,012	62,122	10,640	1,522	49,960	111.2
Broiler	2018	856	42,145	139	43,140	7,069	845	35,227	92.6	
	2019 Est.	Mar	845	43,435	131	44,411	7,109	937	36,365	94.8
		Apr	845	43,435	131	44,411	7,109	937	36,365	95.1
	2020 Proj.	Mar	937	45,582	131	46,650	7,430	940	38,280	99.2
		Apr	937	44,677	133	45,746	7,230	840	37,676	97.9
Turkey	2018	310	5,878	19	6,206	611	303	5,293	16.2	
	2019 Est.	Mar	303	5,818	12	6,133	639	233	5,261	16.0
		Apr	303	5,818	12	6,133	639	233	5,261	16.0
	2020 Proj.	Mar	233	5,920	12	6,165	650	240	5,275	15.9
		Apr	233	5,910	12	6,155	580	240	5,335	16.1
Total Poultry 6/	2018	1,170	48,562	160	49,892	7,764	1,153	40,975	110.1	
	2019 Est.	Mar	1,153	49,781	146	51,080	7,829	1,175	42,076	112.2
		Apr	1,153	49,781	146	51,080	7,829	1,175	42,076	112.5
	2020 Proj.	Mar	1,175	52,036	146	53,357	8,152	1,187	44,018	116.5
		Apr	1,175	51,128	148	52,451	7,890	1,089	43,472	115.5
Red Meat & Poultry	2018	2,416	102,069	4,473	108,958	16,807	2,419	89,732	219.8	
	2019 Est.	Mar	2,419	104,881	4,420	111,720	17,179	2,504	92,037	223.7
		Apr	2,419	104,881	4,420	111,720	17,179	2,504	92,037	224.3
	2020 Proj.	Mar	2,504	109,031	4,138	115,674	19,173	2,524	93,977	227.4
		Apr	2,504	107,909	4,160	114,573	18,530	2,611	93,432	226.7

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

	2017	2018	2019 Est. Mar	2019 Est. Apr	2020 Proj. Mar	2020 Proj. Apr
Eggs	<i>Million Dozen</i>					
Supply						
Beginning Stocks	142.2	87.5	78.8	78.8	108.7	108.7
Production	8,947.2	9,205.0	9,447.5	9,447.5	9,605.0	9,525.0
Imports	34.2	17.8	14.5	14.5	14.0	14.0
Total Supply	9,123.6	9,310.3	9,540.8	9,540.8	9,727.7	9,647.7
Use						
Exports	354.9	333.1	334.1	334.1	315.0	315.0
Hatching Use	1,035.2	1,057.5	1,079.4	1,079.4	1,120.0	1,100.0
Ending Stocks	87.5	78.8	108.7	108.7	126.0	135.0
Disappearance						
Total	7,646.0	7,841.0	8,018.6	8,018.6	8,166.7	8,097.7
Per Capita (number)	282.1	287.8	292.1	292.9	295.7	294.0

U.S. Milk Supply and Use

	2017	2018	2019 Est. Mar	2019 Est. Apr	2020 Proj. Mar	2020 Proj. Apr
Milk	<i>Billion Pounds</i>					
Production	215.5	217.6	218.4	218.4	222.3	222.2
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	13.7	13.7
Marketings	214.5	216.5	217.4	217.4	221.2	221.2
Imports	6.0	6.3	7.0	7.0	6.8	6.6
Total Cml. Supply	233.2	236.2	238.1	238.1	241.7	241.4
Fat Basis Use						
Commercial Exports	9.2	10.4	9.1	9.1	9.2	8.9
Ending Commercial Stocks	13.4	13.8	13.7	13.7	14.1	15.3
CCC Donations	0.0	0.0	0.2	0.2	0.3	0.3
Domestic Commercial Use	210.6	212.1	215.1	215.1	218.2	217.0
Skim-solid Basis Supply						
Beg. Commercial Stocks	9.5	11.8	10.7	10.7	10.2	10.2
Marketings	214.5	216.5	217.4	217.4	221.2	221.2
Imports	6.1	5.5	5.8	5.8	5.6	5.6
Total Cml. Supply	230.1	233.8	233.9	233.9	237.1	237.0
Skim-solid Basis Use						
Commercial Exports	40.8	44.7	41.6	41.6	43.9	42.1
Ending Commercial Stocks	11.8	10.7	10.2	10.2	10.4	11.4
CCC Donations	0.0	0.0	0.2	0.2	0.1	0.1
Domestic Commercial Use	177.5	178.5	181.9	181.9	182.7	183.3

Dairy domestic commercial use for 2020 includes additional milk marketed but not processed.

Note: Totals may not add due to rounding.

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U.S. Dairy Prices

	2017	2018	2019 Est. Mar	2019 Est. Apr	2020 Proj. Mar	2020 Proj. Apr
Product Prices 1/			<i>Dollars Per Pound</i>			
Cheese	1.6344	1.5377	1.7586	1.7586	1.755	1.380
Butter	2.3303	2.2572	2.2431	2.2431	1.845	1.430
Nonfat Dry Milk	0.8666	0.7945	1.0419	1.0419	1.175	0.955
Dry Whey	0.4437	0.3422	0.3799	0.3799	0.355	0.345
			<i>Dollars Per Cwt</i>			
Milk Prices 2/						
Class III	16.17	14.61	16.96	16.96	16.65	12.75
Class IV	15.16	14.23	16.30	16.30	15.75	12.15
All Milk 3/	17.65	16.27	18.60	18.60	18.25	14.35

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.

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Reliability of April Projections 1/

Note: Tables on pages 35-37 present a record of the April 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 0.5 percent. Chances are 9 out of 10 (90% confidence level) that the difference will not exceed 0.8 percent. The average difference between the April projection and the final estimate is 2.1 million tons, ranging from 0.1 million to 6.8 million tons. The April projection has been below the estimate 25 times and above 13 times.

	Differences between forecast and final estimate						
	Root mean square error	90 percent confidence interval	Differences between forecast and final estimate			Years	
Average			Smallest	Largest	Below Final	Above Final	
	<i>Percent</i>		<i>Million Metric Tons</i>				
WHEAT							
Production							
World	0.5	0.8	2.1	0.1	6.8	25	13
U.S.	0.1	0.2	0.1	0.0	0.3	16	11
Foreign	0.6	1.0	2.0	0.2	6.8	25	13
Exports							
World	3.9	6.7	4.1	0.4	14.3	29	9
U.S.	2.5	4.3	0.6	0.0	2.1	16	21
Foreign	5.0	8.6	4.1	0.1	13.3	29	9
Domestic Use							
World	0.8	1.3	3.5	0.1	9.4	17	21
U.S.	3.2	5.4	0.8	0.0	2.2	15	23
Foreign	0.8	1.3	3.3	0.0	9.6	17	20
Ending Stocks							
World	3.2	5.4	3.9	0.0	14.5	27	10
U.S.	8.3	14.0	0.9	0.0	4.1	25	13
Foreign	3.5	6.0	3.5	0.0	12.6	28	9
COARSE GRAINS 2/							
Production							
World	1.1	1.8	9.2	0.3	42.1	31	7
U.S.	0.2	0.3	0.1	0.0	1.3	17	7
Foreign	1.5	2.6	9.2	0.3	42.1	31	7
Exports							
World	4.7	8.0	4.9	0.1	21.8	27	11
U.S.	6.8	11.5	2.8	0.0	7.2	21	17
Foreign	7.5	12.8	4.7	0.3	21.2	29	9
Domestic Use							
World	0.9	1.5	6.3	0.0	20.3	17	21
U.S.	2.4	4.0	3.3	0.1	16.8	14	24
Foreign	1.0	1.8	6.0	0.2	22.7	23	15
Ending Stocks							
World	9.9	16.7	12.9	0.2	144.9	33	5
U.S.	11.2	19.1	3.7	0.0	12.1	19	19
Foreign	12.4	21.1	11.1	0.5	144.9	32	6
RICE, milled							
Production							
World	1.3	2.2	3.4	0.2	13.3	31	7
U.S.	1.4	2.3	0.0	0.0	0.2	11	5
Foreign	1.3	2.2	3.4	0.1	13.3	31	7
Exports							
World	8.0	13.6	1.5	0.1	4.5	29	9
U.S.	6.4	10.8	0.1	0.0	0.5	17	18
Foreign	8.9	15.0	1.4	0.0	4.4	29	9
Domestic Use							
World	1.1	1.8	2.9	0.1	13.7	27	11
U.S.	7.1	12.0	0.2	0.0	0.5	14	23
Foreign	1.1	1.8	2.9	0.2	13.4	27	11
Ending Stocks							
World	8.3	14.0	4.3	0.1	26.1	27	11
U.S.	19.0	32.2	0.2	0.0	0.4	22	16
Foreign	8.6	14.6	4.3	0.1	26.1	26	12

1/ Footnotes at end of table.

CONTINUED

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Reliability of April 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	1.7	2.8	2.5	0.2	7.9	22	16
U.S.	1.4	2.3	0.7	0.0	3.2	16	15
Foreign	2.8	4.7	2.4	0.0	8.1	24	14
Exports							
World	5.0	8.5	2.5	0.1	10.3	24	14
U.S.	5.6	9.6	1.4	0.0	6.3	27	11
Foreign	11.5	19.5	2.1	0.2	8.8	21	17
Domestic Use							
World	1.8	3.0	2.6	0.0	10.3	20	18
U.S.	2.2	3.8	0.8	0.1	2.4	25	13
Foreign	2.2	3.7	2.3	0.0	10.4	18	20
Ending Stocks							
World	11.4	19.4	3.2	0.3	12.0	22	16
U.S.	35.0	59.4	1.7	0.1	6.8	13	25
Foreign	12.6	21.4	2.9	0.0	12.8	25	13
COTTON	<i>Million 480-Pound Bales</i>						
Production							
World	1.6	2.7	1.1	0.0	5.2	28	9
U.S.	0.3	0.5	0.0	0.0	0.2	16	14
Foreign	1.9	3.3	1.1	0.0	5.1	27	10
Exports							
World	4.2	7.1	1.0	0.1	4.2	24	14
U.S.	4.7	8.0	0.4	0.0	1.4	16	19
Foreign	5.2	8.9	0.8	0.1	3.9	24	14
Domestic Use							
World	1.6	2.7	1.3	0.0	4.6	22	16
U.S.	3.2	5.4	0.2	0.0	0.6	18	16
Foreign	1.7	2.8	1.3	0.2	4.5	22	16
Ending Stocks							
World	6.9	11.8	2.7	0.0	8.2	25	13
U.S.	13.9	23.7	0.4	0.0	1.6	15	23
Foreign	7.4	12.6	2.7	0.1	8.0	23	15

1/ Marketing years 1981/82 through 2018/19 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 2018/19. 2/ Includes corn, sorghum, barley, oats, rye, millet, and mixed grain.

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Reliability of United States April 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
CORN	<i>Percent</i>		<i>Million Bushels</i>				
Production	0.2	0.3	2	0	38	1	2
Exports	6.8	11.6	101	13	248	18	20
Domestic Use	2.2	3.8	115	5	474	15	23
Ending Stocks	12.8	21.8	146	3	470	19	19
SORGHUM							
Production	0.1	0.2	0	0	4	0	2
Exports	11.9	20.2	20	0	72	26	11
Domestic Use	9.7	16.5	23	0	158	15	21
Ending Stocks	38.5	65.4	21	0	148	17	20
BARLEY							
Production	0.7	1.3	1	0	11	17	4
Exports	14.2	24.0	4	0	13	10	23
Domestic Use	5.0	8.6	10	0	64	16	19
Ending Stocks	11.6	19.7	12	0	52	25	12
OATS							
Production	0.3	0.6	0	0	2	4	4
Exports	33.3	56.5	0	0	3	6	6
Domestic Use	4.0	6.9	8	0	26	12	24
Ending Stocks	14.4	24.5	9	1	30	24	14
SOYBEAN MEAL			<i>Thousand Short Tons</i>				
Production	2.7	4.6	828	35	2,667	29	9
Exports	8.1	13.7	544	25	2,326	30	8
Domestic Use	2.2	3.7	488	100	2,066	26	12
Ending Stocks	35.2	59.7	71	0	253	15	21
SOYBEAN OIL			<i>Million Pounds</i>				
Production	2.7	4.5	397	15	1,058	29	9
Exports	15.5	26.3	217	0	650	25	12
Domestic Use	2.0	3.3	250	0	576	23	14
Ending Stocks	17.4	29.5	241	5	753	24	14
ANIMAL PROD.			<i>Million Pounds</i>				
Beef	2.4	4.0	488	19	1,388	24	14
Pork	2.1	3.6	296	10	983	24	14
Broilers	1.3	2.3	293	6	895	26	12
Turkeys	2.5	4.3	100	3	398	19	19
			<i>Million Dozen</i>				
Eggs	1.6	2.7	88	10	433	27	11
			<i>Billion Pounds</i>				
Milk	1.1	1.9	1.2	0.0	5.2	17	14

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. Final for grains, soybeans, and cotton is defined as the first November estimate following the marketing year for 1981/82 through 2018/19. Calendar years 1982 through 2018 for meats, eggs, and milk. Final for animal products is defined as the latest annual production estimate published by NASS for 1982-2018.

Related USDA Reports

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>.

Supply and Demand Database

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.

Foreign Production Assessments

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/.

Metric Conversion Factors

1 Hectare = 2.4710 Acres

1 Kilogram = 2.20462 Pounds

Metric-Ton Equivalent	= Domestic Unit	Factor
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-599 – April 9, 2020

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