

World Agricultural Supply and Demand Estimates

ISSN: 1554-9089

Office of the
Chief Economist

Agricultural Marketing Service
Farm Service Agency

Economic Research Service
Foreign Agricultural Service

WASDE - 631

Approved by the World Agricultural Outlook Board

December 9, 2022

WHEAT: This month's 2022/23 U.S. wheat supply and use outlook is unchanged from last month. There are offsetting changes for exports by-class with Hard Red Spring and White higher and Soft Red Winter lower. The 2022/23 season-average farm price is forecast \$0.10 per bushel lower at \$9.10, based on prices received to date and expectations for futures and cash prices for the remainder of 2022/23.

The global wheat outlook for 2022/23 wheat is for reduced supplies, lower consumption, increased trade, and reduced stocks. Supplies are lowered 2.1 million tons to 1,056.9 million on reduced production for Argentina and Canada that is only partly offset by higher Australia production. Argentina is lowered 3.0 million tons to 12.5 million with reductions in both area harvested and yield on continued widespread dry conditions. This would be the lowest production since 2015/16. Canada's production is reduced 1.2 million tons to 33.8 million, based on the latest Statistics Canada estimate and is the third largest crop on record. Australia's production is raised 2.1 million tons to a record 36.6 million, based on the latest Australian Bureau of Agricultural and Resource Economics (ABARES) forecast.

Global consumption is reduced 1.6 million tons to 789.5 million, mainly on lower feed and residual use by the EU and Ukraine. World trade is raised 2.2 million tons to 210.9 million on higher exports by Australia, Ukraine, the EU, and Russia more than offsetting reduced exports by Argentina. Australia exports are raised 1.5 million tons to a near-record 27.5 million. Because of excessive rains in New South Wales at harvest, Australia's feed wheat supplies are expected to be greater for 2022/23 and competitively priced against feed grains for East Asian importers. This resulted in higher imports for South Korea and several Southeast Asian countries this month. Ukraine exports are increased 1.5 million tons to 12.5 million. Argentina's exports are reduced 2.5 million tons to 7.5 million with lower exportable supplies. This would be Argentina's lowest exports since 2014/15. Projected 2022/23 ending stocks are decreased 0.5 million tons to 267.3 million as reductions for Russia, Canada, Argentina, and Ukraine more than offset increases for the EU and Australia.

COARSE GRAINS: This month's 2022/23 U.S. corn outlook is for lower exports and greater ending stocks. Exports are lowered 75 million bushels as competition from other exporters and relatively high U.S. prices have resulted in slow sales and shipments through early December. With no other use changes, corn ending stocks are raised 75 million bushels. The season-average corn price received by producers is lowered 10 cents to \$6.70 per bushel based on observed prices to date.

For 2022/23 sorghum, a substantial decline in demand from China supports greater domestic use expectations. Exports are lowered 20 million bushels, with offsetting increases to food, seed, and industrial and feed and residual use.

Global coarse grain production for 2022/23 is forecast down 5.9 million tons to 1,453.6 million. The 2022/23 foreign coarse grain outlook is for lower production, greater trade, and smaller stocks relative to last month. Foreign corn production is reduced with forecast declines for Ukraine, Russia, the EU, and Vietnam. Ukraine corn production is sharply lower with reductions to both area and yield as the ongoing conflict and record-setting autumn rainfall have delayed the harvest in key producing oblasts of Poltava, Sumy, and Cherkasy. Russia corn production is lowered as harvest delays in the country reduce area expectations. Barley production is raised for Australia based on the most recent crop report from ABARES. Argentina barley production is cut on continued dry conditions.

Corn exports are raised for Ukraine but lowered for the United States, Russia, and the EU. Barley exports are raised for Australia but lowered for Argentina. For 2021/22, sorghum exports for Argentina are lowered for the local marketing year beginning March 2022, based on shipments through the month of November. For 2022/23, corn imports are raised for the EU, but lowered for Canada, Iran, South Korea, Mexico, Vietnam, Philippines, and Turkey. Sorghum imports are reduced for China. Foreign corn ending stocks are down, reflecting reductions for Ukraine, Paraguay, Vietnam, and Mexico. Global corn stocks, at 298.4 million tons, are down 2.4 million.

RICE: The outlook for 2022/23 U.S. rice is for unchanged supplies and domestic use, lower exports, and higher stocks compared with last month. The export forecast is reduced 2.0 million cwt to 69.0 million, all long-grain, based on a slow pace of shipments and sales and would be the lowest level since 1991/92. Rough rice exports are reduced 2.0 million cwt to 23.0 million, which would be the lowest level since 2000/01. Ending stocks are forecast 2.0 million cwt higher to 38.1 million.

The 2022/23 season average farm price (SAFP) forecasts for all medium- and short-grain rice and all-rice were both lowered as the proportion of California rice for 2022/23 is expected to be smaller. The medium- and short-grain SAFP forecast is lowered \$0.90 per cwt to \$29.10 and the all-rice SAFP forecast is lowered \$0.90 per cwt to \$19.00. The SAFP for long-grain rice is unchanged at \$16.50 per cwt.

The 2022/23 global outlook has slightly lower supplies, less consumption, increased trade, and slightly reduced ending stocks compared with last month. Supplies are lowered 1.2 million tons to 685.6 million, primarily on lower beginning stocks for Vietnam and Thailand and reduced production in Australia and the EU. The global consumption forecast declines 0.9 million tons to 516.9 million, primarily on a reduction for India. Trade is forecast 0.9 million tons larger to 53.7 million tons, mainly on increased exports for India, Thailand, and Vietnam. Global 2022/23 ending stocks are reduced by 0.4 million tons to 168.6 million, the lowest since 2017/18.

OILSEEDS: Total U.S. oilseed production for 2022/23 is forecast at 127.9 million tons, up slightly due to an increase for cottonseed. Soybean supply and use projections for 2022/23 are unchanged from last month. Based on a review of EPA's recent proposed rule for renewable fuel obligation targets, soybean oil used for biofuel for 2022/23 is reduced 200 million pounds to 11.6 billion. Soybean oil exports are also reduced on historically low export sales through November. With reduced use of soybean oil for biofuel and exports, food use and ending stocks are raised. The U.S. season-average soybean price forecast is

unchanged at \$14.00 per bushel. The soybean oil price is reduced 1 cent per pound to 68 cents. The soybean meal price forecast is increased \$10.00 to \$410.00 per short ton.

Global oilseed production for 2022/23 is projected at 644.4 million tons, down 1.2 million from last month. Lower sunflower, rapeseed, palm kernel, and cottonseed production forecasts are partly offset by higher soybean output. Global sunflowerseed production is reduced for Russia and Ukraine based on harvest results. Canola production for Canada is lowered 0.5 million tons to 19.0 million based on government reports. Palm kernel and palm oil production is lowered for Indonesia for 2021/22, reflecting crop losses during periods of export restrictions and poor harvest weather. Indonesian palm oil production for 2022/23 is also lowered 1.0 million tons to 45.5 million.

The global soybean outlook includes higher production, exports, and ending stocks. Production is raised on higher output for India and Ukraine. Exports are raised slightly as higher shipments for Argentina are partly offset by lower exports for Canada and Paraguay. With global crush relatively unchanged, ending stocks are raised 0.5 million tons to 102.7 million.

SUGAR: U.S. sugar supply in 2022/23 is virtually unchanged from last month as projected changes in production are counterbalanced by projected imports of sugar from Mexico in accordance with the terms of the CVD Suspension Agreements. Beet sugar production is lowered 66,980 short tons, raw value (STRV) to 4.927 million. Beet processors reduced their forecast of sugarbeets available for slicing by 252,846 tons in their December forecast published in Sweetener Market Data. An increase in cane sugar production partially offsets the beet sugar decline. Cane sugar production in Louisiana is increased by 18,460 STRV to 2.025 million. Although NASS decreased its sugarcane yield to 32.2 tons/acre from 32.4, production is increased on more cane area for sugar instead of for seed and a 1.01 percent increase in recovery projected by processors. Cane sugar in Texas is increased slightly on processor reporting. Imports from Mexico are projected based on fulfilling U.S. Needs according to components from this December *WASDE* which will be used by the Department of Commerce in establishing the Export Limit as of January 1, 2023. There are no changes to use. Ending stocks are residually projected at 1.707 million STRV for an ending stocks-to-use ratio of 13.5 percent, virtually unchanged from last month.

On November 23, Customs and Border Protection (CBP) issued a Withhold Release Order (WRO) against Central Romana Corporation in the Dominican Republic (DR) on alleged use of forced labor and other factors. The WRO prohibits entry into the United States of raw sugar and sugar-based products produced by the company. The USDA has determined that the DR sugar industry intends to re-configure distribution in the local sugar market and re-arrange the company level allotments of the TRQ with the local mills to meet its full 2022/23 raw sugar TRQ allocation.

USDA projects Mexico sugar production for 2022/23 the same as last month at 5.900 million metric tons (MT). CONADESUCA released its 2022/23 forecast of 6.026 million MT in November. The USDA adopts CONADESUCA projected sugarcane yield of 64.06 MT/hectare and recovery of 11.30 percent, but projects area harvested only at 814,850 hectares, up about 15,000 hectares from last month but less than CONADESUCA's forecast of 832,245. Exports are projected at 1.266 million MT and almost all (barring a small amount exported in October) is intended for the U.S. market under export license. Ending stocks are

projected at a level covering 2023/24 use for 2.5 months prior to next season's campaign. Shipments to IMMEX are reduced by 38,886 MT to 494,114 to accommodate exports to the U.S. market.

LIVESTOCK, POULTRY, AND DAIRY: The forecast for 2022 red meat and poultry production is raised from last month as higher beef, broiler, and turkey forecasts for the fourth quarter are partly offset by lower pork. Beef production is raised with higher expected cattle slaughter as well as heavier carcass weights. Pork production is lowered on lighter carcass weights. Broiler and turkey production are raised on current slaughter and hatchery data. Egg production is raised slightly on revised third-quarter data.

For 2023, the beef forecast is unchanged, with offsetting first and second quarter changes. Broiler production is raised on more rapid expected growth in bird numbers later in the year. Turkey production is lowered for the first half of the year on recent discoveries of Highly Pathogenic Avian Influenza. Egg production is reduced on a slower expected pace of recovery.

Beef imports for 2022 are unchanged, but exports are raised on recent data. Exports are raised for 2023 on expectations of continued momentum to East Asian markets. Pork imports and exports for 2022 are both lowered on recent data. Pork imports for 2023 are lowered slightly, while exports are unchanged. The broiler export forecast for 2022 is raised on recent trade data, while 2023 exports are lowered. Turkey exports are unchanged, but imports are raised for both years on current data and tightness in domestic supplies.

Price forecasts for cattle, hogs, and broilers are unchanged for 2022 and 2023. The turkey price forecast for 2022 is lowered on current price data, but the forecast for 2023 is unchanged. Egg price forecasts for 2022 and 2023 are raised on recent prices and expectations of continued firm demand and tight supplies.

The milk production forecast for 2022 is unchanged from last month. The 2023 production forecast is raised slightly with both higher expected cow numbers and slightly more rapid growth in output per cow.

Fat and skim-solids basis imports for 2022 are raised, driven by recent trade data and expectations of continued demand for imported cheese and butterfat products. Forecasts for 2023 fat basis and skim-solids basis imports are raised on imports of butter and milk proteins, respectively. Exports on a fat basis for 2022 and 2023 are raised on butter and casein. Exports on a skim-solids basis are raised in 2022 as higher nonfat dry milk (NDM) more than offsets lower lactose. The 2023 forecast is reduced on lower lactose shipments.

For 2022, forecasts for butter and cheese are raised on recent prices and expectations of continued strength in demand, but whey and NDM prices are unchanged. The Class III price is raised on the higher cheese price and the Class IV price is raised on the higher butter price. For 2023, the price forecasts for cheese and butter are raised as demand strength carries into 2023, but prices for NDM and whey are lowered on pressure from international markets. The higher cheese price more than offsets the lower whey price and the Class III price is raised while the Class IV price forecast is lowered, reflecting the lower NDM price. The 2022 all milk price forecast is raised to \$25.65 per cwt and the 2023 all milk price is raised to \$22.70 per cwt.

COTTON: This month's 2022/23 U.S. cotton forecasts include higher production and ending stocks but lower mill use and exports. Production is 211,000 bales higher—at 14.2 million bales—mainly due to higher yields in the Delta and Southeast. Mill use is lowered 100,000 bales reflecting reduced spinning levels to date and weaker expectations for future demand. A reduction in expected world demand and trade results in a 250,000-bale decrease for U.S. cotton exports, down to 12.25 million. Ending stocks are now expected to be 500,000 bales higher than they were a month earlier, but the upland cotton season-average farm price is unchanged at 85 cents per pound.

The global 2022/23 cotton forecasts include lower production, consumption, and trade, but higher ending stocks. Production is down 700,000 bales from the previous month's forecast, led by an 800,000-bale decline in Pakistan's flood-damaged crop. Australian production is estimated 500,000 bales lower, and Mali's crop is reduced 120,000 bales. Higher than expected yields in Turkey resulted in a 500,000-bale upward revision. Global consumption is down 3.3 million bales from the previous month, and on a year-to-year basis world cotton use is now projected to decline 4.9 percent, similar to the decline experienced in 2021/22. This month's changes to 2022/23 consumption include 1.0-million-bale reductions for China and India, and smaller reductions for Pakistan, Turkey, and Vietnam. Projected world trade is cut 950,000 bales this month, with imports reduced for China, Turkey, and Vietnam. Exports are reduced for Australia, Mali, Malaysia, India, and Brazil. World ending stocks are projected 2.3 million bales higher this month, and at 89.6 million bales are 4.1 million higher than in 2021/22.

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

APPROVED BY:



SETH MEYER
SECRETARY OF AGRICULTURE DESIGNATE

INTERAGENCY COMMODITY ESTIMATES COMMITTEES



Note: The World Agricultural Outlook Board reviews and approves the World Agricultural Supply and Demand Estimates (WASDE) report. The Board's analysts chair the Interagency Commodity Estimates Committees (ICECs) that prepare the monthly report.

Wheat: Mark Simone, ICEC Chair, WAOB, mark.simone@usda.gov
Andrew Sowell, ERS; Rachel Trego, FAS; Bruce McWilliams, FPAC.

Rice: Mark Simone, ICEC Chair, WAOB, mark.simone@usda.gov
Nathan Childs, ERS; Rachel Trego, FAS.

Feed Grains: Michael Jewison, ICEC Chair, WAOB, michael.jewison2@usda.gov
Todd Hubbs, ERS; Kevin Min, FAS; Jacob Vuillemin, FPAC.

Oilseeds: Keith Menzie, ICEC Chair, WAOB, keith.menzie@usda.gov
Maria Bukowski, ERS; Agata Kingsbury, FAS; Gustavo Ferreira, FPAC.

Cotton: Stephen MacDonald, ICEC Chair, WAOB, stephen.macdonald3@usda.gov
Leslie Meyer, ERS; Graham Soley, FAS; Kent Lanclos, FPAC.

Sugar: Stephen Haley, ICEC Chair, WAOB, stephen.haley2@usda.gov
Vida Abadam, ERS; Souleymane Diaby, FAS; Barbara Fecso, FPAC.

Meat Animals: Shayle Shagam, ICEC Chair, WAOB, shayle.shagam@usda.gov
Sherry Wise, AMS; Mildred Haley, ERS; John Brower, FAS; Georgi Gabrielyan, FPAC.

Poultry: Shayle Shagam, ICEC Chair, WAOB, shayle.shagam@usda.gov
Peyton Ferrier, AMS; Grace Grossen, ERS; Claire Mezoughem, FAS; Georgi Gabrielyan, FPAC.

Dairy: Shayle Shagam, ICEC Chair, WAOB, shayle.shagam@usda.gov
Carolyn Liebrand, AMS; Angel Teran, ERS; Jeffery Dwyer, FAS; Georgi Gabrielyan, FPAC.

In 2023 the WASDE report will be released on Jan 12, Feb 8, Mar 8, Apr 11, May 12, Jun 9, Jul 12, Aug 11, Sep 12, Oct 12, Nov 9, and Dec 8.

TABLE OF CONTENTS

	Page
Highlights.....	1
Interagency Commodity Estimates Committees.....	6
World & U.S. Supply & Use for Grains.....	8
World & U.S. Supply & Use for Cotton.....	9
World & U.S. Supply & Use for Oilseeds	10
U.S. Wheat Supply & Use	11
U.S. Wheat Supply & Use by Class	11
U.S. Feed Grain & Corn Supply & Use	12
U.S. Sorghum, Barley & Oats Supply & Use.....	13
U.S. Rice Supply & Use	14
U.S. Soybeans & Products Supply & Use.....	15
U.S. Sugar Supply & Use	16
Mexico Sugar Supply and Use	16
U.S. Cotton Supply & Use	17
World Wheat Supply & Use.....	18
World Coarse Grains Supply & Use.....	20
World Corn Supply & Use	22
World Rice Supply & Use	24
World Cotton Supply & Use.....	26
World Soybean Supply & Use	28
World Soybean Meal Supply & Use.....	29
World Soybean Oil Supply & Use	30
U.S. Quarterly Animal Product Production.....	31
U.S. Quarterly Prices for Animal Products	31
U.S. Meats Supply and Use	32
U.S. Egg Supply & Use	33
U.S. Milk Supply and Use	33
U.S. Dairy Prices	34
Reliability Tables.....	35
Related USDA Reports	38
Metric Conversion Factors	38
Electronic Access and Subscriptions.....	40

WASDE - 631 - 8

**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/	2020/21		2725.06	3542.72	487.86	2741.74	800.98
	2021/22 (Est.)		2797.07	3598.05	509.96	2805.36	792.70
	2022/23 (Proj.)	Nov	2745.90	3539.96	486.60	2776.69	763.27
		Dec	2737.48	3530.18	488.09	2769.94	760.24
Wheat	2020/21		774.55	1072.76	203.33	782.42	290.34
	2021/22 (Est.)		779.33	1069.67	202.82	793.40	276.27
	2022/23 (Proj.)	Nov	782.68	1058.99	208.65	791.17	267.82
		Dec	780.59	1056.86	210.85	789.53	267.33
Coarse Grains 5/	2020/21		1441.19	1778.47	233.60	1455.84	322.63
	2021/22 (Est.)		1502.69	1825.32	250.22	1491.17	334.14
	2022/23 (Proj.)	Nov	1459.54	1794.18	225.12	1467.75	326.43
		Dec	1453.62	1787.77	223.54	1463.50	324.27
Rice, milled	2020/21		509.32	691.50	50.93	503.48	188.02
	2021/22 (Est.)		515.05	703.07	56.92	520.78	182.29
	2022/23 (Proj.)	Nov	503.69	686.79	52.83	517.77	169.02
		Dec	503.27	685.56	53.70	516.91	168.64
United States							
Total Grains 4/	2020/21		429.86	516.87	107.23	351.24	58.40
	2021/22 (Est.)		448.60	513.39	94.85	361.36	57.18
	2022/23 (Proj.)	Nov	414.89	480.14	82.57	348.36	49.21
		Dec	414.89	480.25	80.09	348.98	51.17
Wheat	2020/21		49.75	80.46	27.05	30.41	23.00
	2021/22 (Est.)		44.80	70.40	21.78	30.40	18.21
	2022/23 (Proj.)	Nov	44.90	66.38	21.09	29.75	15.54
		Dec	44.90	66.38	21.09	29.75	15.54
Coarse Grains 5/	2020/21		372.89	427.19	77.21	315.97	34.01
	2021/22 (Est.)		397.71	434.32	70.46	326.15	37.71
	2022/23 (Proj.)	Nov	364.77	405.85	59.22	314.11	32.52
		Dec	364.77	405.96	56.81	314.73	34.42
Rice, milled	2020/21		7.22	9.22	2.97	4.86	1.39
	2021/22 (Est.)		6.09	8.68	2.61	4.81	1.26
	2022/23 (Proj.)	Nov	5.22	7.91	2.25	4.51	1.15
		Dec	5.22	7.91	2.19	4.51	1.21

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

WASDE - 631 - 9

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

Foreign 3/		Output	Total Supply	Trade 2/	Total Use	Ending Stocks	
Total Grains 4/	2020/21	2,295.20	3,025.86	380.63	2,390.50	742.58	
	2021/22 (Est.)	2,348.47	3,084.67	415.11	2,444.00	735.52	
	2022/23 (Proj.)	Nov	2,331.01	3,059.82	404.03	2,428.32	714.07
		Dec	2,322.59	3,049.93	407.99	2,420.96	709.06
Wheat	2020/21	724.80	992.29	176.28	752.01	267.34	
	2021/22 (Est.)	734.53	999.27	181.03	763.00	258.06	
	2022/23 (Proj.)	Nov	737.77	992.61	187.56	761.42	252.28
		Dec	735.69	990.48	189.76	759.78	251.79
Coarse Grains 5/	2020/21	1,068.30	1,351.28	156.39	1,139.88	288.61	
	2021/22 (Est.)	1,104.98	1,391.00	179.77	1,165.02	296.43	
	2022/23 (Proj.)	Nov	1,094.77	1,388.33	165.89	1,153.64	293.91
		Dec	1,088.85	1,381.81	166.73	1,148.77	289.85
Rice, milled	2020/21	502.10	682.28	47.96	498.62	186.63	
	2021/22 (Est.)	508.96	694.39	54.32	515.97	181.02	
	2022/23 (Proj.)	Nov	498.47	678.89	50.58	513.26	167.88
		Dec	498.05	677.65	51.51	512.40	167.43

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	2020/21	111.47	209.86	48.73	123.16	86.73	
	2021/22 (Est.)	115.73	202.45	42.86	117.40	85.44	
	2022/23 (Proj.)	Nov	116.43	202.07	43.20	114.95	87.27
		Dec	115.73	201.17	42.25	111.70	89.56
United States	2020/21	14.61	21.86	16.35	2.40	3.15	
	2021/22 (Est.)	17.52	20.68	14.62	2.55	3.75	
	2022/23 (Proj.)	Nov	14.03	17.79	12.50	2.30	3.00
		Dec	14.24	18.00	12.25	2.20	3.50
Foreign 4/	2020/21	96.86	188.00	32.38	120.76	83.58	
	2021/22 (Est.)	98.21	181.78	28.24	114.85	81.69	
	2022/23 (Proj.)	Nov	102.40	184.28	30.70	112.65	84.27
		Dec	101.49	183.18	30.00	109.50	86.06

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

WASDE - 631 - 10

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

World			Output	Total Supply	Trade	Total Use 2/	Ending Stocks	
Oilseeds	2020/21		607.51	719.44	192.03	508.17	115.58	
	2021/22 (Est.)		604.15	719.72	178.01	511.59	114.37	
	2022/23 (Proj.)	Nov	645.60	759.15	197.57	534.36	121.94	
		Dec	644.40	758.76	198.27	533.44	121.42	
	Oilmeals	2020/21		348.42	368.69	97.00	345.14	17.97
		2021/22 (Est.)		350.22	368.19	95.71	346.21	17.68
2022/23 (Proj.)		Nov	365.81	383.25	97.71	358.02	18.88	
	Dec	365.42	383.10	97.58	358.54	19.00		
Vegetable Oils	2020/21		206.47	236.40	85.40	204.54	28.31	
	2021/22 (Est.)		208.95	237.26	79.00	204.20	29.43	
	2022/23 (Proj.)	Nov	218.91	248.43	87.91	213.80	30.30	
		Dec	217.55	246.98	87.46	212.80	29.85	
United States								
Oilseeds	2020/21		124.52	141.69	62.78	62.66	8.64	
	2021/22 (Est.)		131.35	141.16	59.71	63.88	9.12	
	2022/23 (Proj.)	Nov	127.87	138.34	56.64	65.57	7.70	
		Dec	127.92	138.40	56.64	65.63	7.70	
Oilmeals	2020/21		48.25	53.02	12.62	40.00	0.39	
	2021/22 (Est.)		49.26	53.21	12.47	40.39	0.35	
	2022/23 (Proj.)	Nov	50.49	54.81	12.66	41.75	0.40	
		Dec	50.51	54.83	12.66	41.77	0.40	
Vegetable Oils	2020/21		12.70	18.86	1.04	16.52	1.30	
	2021/22 (Est.)		13.06	19.61	1.05	17.29	1.27	
	2022/23 (Proj.)	Nov	13.42	20.16	0.83	18.11	1.22	
		Dec	13.43	20.07	0.74	18.10	1.24	
Foreign 3/								
Oilseeds	2020/21		482.99	577.75	129.25	445.51	106.94	
	2021/22 (Est.)		472.80	578.56	118.30	447.71	105.24	
	2022/23 (Proj.)	Nov	517.74	620.81	140.93	468.79	114.24	
		Dec	516.47	620.36	141.63	467.81	113.72	
Oilmeals	2020/21		300.17	315.67	84.37	305.14	17.58	
	2021/22 (Est.)		300.96	314.98	83.24	305.83	17.33	
	2022/23 (Proj.)	Nov	315.33	328.43	85.05	316.28	18.48	
		Dec	314.91	328.27	84.92	316.77	18.59	
Vegetable Oils	2020/21		193.77	217.54	84.36	188.02	27.01	
	2021/22 (Est.)		195.89	217.65	77.95	186.91	28.17	
	2022/23 (Proj.)	Nov	205.49	228.27	87.08	195.68	29.08	
		Dec	204.12	226.91	86.73	194.70	28.61	

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

WASDE - 631 - 11

U.S. Wheat Supply and Use 1/

	2020/21	2021/22 Est.	2022/23 Proj. Nov	2022/23 Proj. Dec
			<i>Million Acres</i>	
Area Planted	44.5	46.7	45.7	45.7
Area Harvested	36.8	37.1	35.5	35.5
			<i>Bushels</i>	
Yield per Harvested Acre	49.7	44.3	46.5	46.5
			<i>Million Bushels</i>	
Beginning Stocks	1,028	845	669	669
Production	1,828	1,646	1,650	1,650
Imports	100	95	120	120
Supply, Total	2,956	2,587	2,439	2,439
Food	961	972	977	977
Seed	64	58	66	66
Feed and Residual	93	88	50	50
Domestic, Total	1,117	1,117	1,093	1,093
Exports	994	800	775	775
Use, Total	2,111	1,917	1,868	1,868
Ending Stocks	845	669	571	571
Avg. Farm Price (\$/bu) 2/	5.05	7.63	9.20	9.10

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>				
2021/22 (Est.)	Beginning Stocks	428	235	85	70	27	845	
	Production	750	297	361	201	38	1,646	
	Supply, Total 3/	1,182	575	449	276	105	2,587	
	Domestic Use	505	226	243	77	67	1,117	
	Exports	317	209	112	148	14	800	
	Use, Total	822	435	355	224	81	1,917	
	Ending Stocks, Total	360	140	94	52	23	669	
2022/23 (Proj.)	Beginning Stocks	360	140	94	52	23	669	
	Production	531	446	337	272	64	1,650	
	Supply, Total 3/	896	646	436	329	132	2,439	
	Domestic Use	417	297	214	86	80	1,093	
	Exports	220	230	125	180	20	775	
	Use, Total	637	527	339	266	100	1,868	
	Ending Stocks, Total							
		Dec	259	119	97	64	33	571
		Nov	259	124	87	69	33	571

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 - 631 - 12

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

FEED GRAINS	2020/21	2021/22 Est.	2022/23 Proj.	2022/23 Proj.
			Nov	Dec
			<i>Million Acres</i>	
Area Planted	102.3	105.8	100.5	100.5
Area Harvested	90.6	94.4	89.6	89.6
			<i>Metric Tons</i>	
Yield per Harvested Acre	4.11	4.21	4.07	4.07
			<i>Million Metric Tons</i>	
Beginning Stocks	51.8	34.0	37.7	37.7
Production	372.6	397.5	364.5	364.5
Imports	2.2	2.3	3.1	3.1
Supply, Total	426.6	433.8	405.2	405.3
Feed and Residual	146.7	148.4	138.0	138.2
Food, Seed & Industrial	168.8	177.2	175.5	175.8
Domestic, Total	315.4	325.6	313.5	314.1
Exports	77.2	70.5	59.2	56.8
Use, Total	392.6	396.1	372.7	370.9
Ending Stocks	34.0	37.7	32.5	34.4
CORN				
			<i>Million Acres</i>	
Area Planted	90.7	93.3	88.6	88.6
Area Harvested	82.3	85.3	80.8	80.8
			<i>Bushels</i>	
Yield per Harvested Acre	171.4	176.7	172.3	172.3
			<i>Million Bushels</i>	
Beginning Stocks	1,919	1,235	1,377	1,377
Production	14,111	15,074	13,930	13,930
Imports	24	24	50	50
Supply, Total	16,055	16,333	15,357	15,357
Feed and Residual	5,607	5,717	5,300	5,300
Food, Seed & Industrial 2/	6,467	6,767	6,725	6,725
Ethanol & by-products 3/	5,028	5,326	5,275	5,275
Domestic, Total	12,074	12,484	12,025	12,025
Exports	2,747	2,471	2,150	2,075
Use, Total	14,821	14,956	14,175	14,100
Ending Stocks	1,235	1,377	1,182	1,257
Avg. Farm Price (\$/bu) 4/	4.53	6.00	6.80	6.70

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.

WASDE - 631 - 13

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

SORGHUM	2020/21	2021/22 Est.	2022/23 Proj.	2022/23 Proj.
			Nov	Dec
	<i>Million Bushels</i>			
Area Planted (mil. acres)	5.9	7.3	6.4	6.4
Area Harvested (mil. acres)	5.1	6.5	5.5	5.5
Yield (bushels/acre)	73.2	69.0	43.0	43.0
Beginning Stocks	30	20	53	53
Production	373	448	236	236
Imports	0	0	0	0
Supply, Total	403	468	289	289
Feed and Residual	97	75	65	70
Food, Seed & Industrial	7	45	25	40
Total Domestic	104	121	90	110
Exports	279	294	175	155
Use, Total	383	415	265	265
Ending Stocks	20	53	24	24
Avg. Farm Price (\$/bu) 2/	5.04	5.94	6.65	6.70
BARLEY				
Area Planted (mil. acres)	2.7	2.7	2.9	2.9
Area Harvested (mil. acres)	2.2	2.0	2.4	2.4
Yield (bushels/acre)	77.2	60.3	71.7	71.7
Beginning Stocks	80	71	42	42
Production	171	120	174	174
Imports	7	15	15	15
Supply, Total	258	206	231	231
Feed and Residual	26	20	30	30
Food, Seed & Industrial	147	137	130	130
Total Domestic	172	157	160	160
Exports	14	7	6	6
Use, Total	186	164	166	166
Ending Stocks	71	42	65	65
Avg. Farm Price (\$/bu) 2/	4.75	5.31	7.30	7.30
OATS				
Area Planted (mil. acres)	3.0	2.6	2.6	2.6
Area Harvested (mil. acres)	1.0	0.7	0.9	0.9
Yield (bushels/acre)	65.1	61.3	64.8	64.8
Beginning Stocks	37	38	31	31
Production	66	40	58	58
Imports	85	81	85	90
Supply, Total	188	159	173	178
Feed and Residual	68	46	60	65
Food, Seed & Industrial	78	79	81	81
Total Domestic	147	125	141	146
Exports	3	3	2	2
Use, Total	150	128	143	148
Ending Stocks	38	31	30	30
Avg. Farm Price (\$/bu) 2/	2.77	4.55	5.50	5.20

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 - 631 - 14

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

TOTAL RICE	2020/21	2021/22 Est.	2022/23 Proj.	2022/23 Proj.	
			Nov	Dec	
		<i>Million Acres</i>			
Area Planted	3.04	2.53	2.22	2.22	
Area Harvested	2.99	2.49	2.18	2.18	
		<i>Pounds</i>			
Yield per Harvested Acre	7,619	7,709	7,549	7,549	
		<i>Million Hundredweight</i>			
Beginning Stocks 2/	28.7	43.7	39.7	39.7	
Production	227.5	191.8	164.3	164.3	
Imports	34.1	37.8	45.0	45.0	
Supply, Total	290.2	273.2	249.1	249.1	
Domestic & Residual 3/	153.1	151.4	142.0	142.0	
Exports, Total 4/	93.5	82.2	71.0	69.0	
Rough	34.6	28.3	25.0	23.0	
Milled (rough equiv.)	58.9	53.9	46.0	46.0	
Use, Total	246.6	233.5	213.0	211.0	
Ending Stocks	43.7	39.7	36.1	38.1	
Avg. Milling Yield (%) 5/	70.00	70.00	70.00	70.00	
Avg. Farm Price (\$/cwt) 6/	14.40	16.10	19.90	19.00	
LONG-GRAIN RICE					
Harvested Acres (mil.)	2.30	1.94			
Yield (pounds/acre)	7,422	7,471			
Beginning Stocks	16.9	29.7	24.6	24.6	
Imports	27.4	30.7	35.0	35.0	
Production	170.8	144.6	131.7	131.7	
Supply, Total 7/	215.1	205.1	191.3	191.3	
Domestic & Residual 3/	120.3	119.8	113.0	113.0	
Exports 8/	65.0	60.6	53.0	51.0	
Use, Total	185.3	180.4	166.0	164.0	
Ending Stocks	29.7	24.6	25.3	27.3	
Avg. Farm Price (\$/cwt) 6/	12.60	13.60	16.50	16.50	
MEDIUM & SHORT-GRAIN RICE					
Harvested Acres (mil.)	0.69	0.55			
Yield (pounds/acre)	8,282	8,543			
Beginning Stocks	10.7	11.5	13.0	13.0	
Imports	6.7	7.1	10.0	10.0	
Production	56.7	47.2	32.7	32.7	
Supply, Total 7/	72.7	66.2	55.7	55.7	
Domestic & Residual 3/	32.8	31.6	29.0	29.0	
Exports 8/	28.5	21.5	18.0	18.0	
Use, Total	61.2	53.1	47.0	47.0	
Ending Stocks	11.5	13.0	8.7	8.7	
Avg. Farm Price (\$/cwt) 1/ 6/ 9/	20.10	24.80	30.00	29.10	
California 10/	22.60	28.50	36.00	36.00	
Other States 1/	13.00	13.90	17.40	17.40	

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): 2017/18-1.4; 2018/19-2.1; 2019/20-1.0. 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 California 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. 10/ Marketing year beginning October 1.

WASDE - 631 - 15

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

SOYBEANS	2020/21	2021/22 Est.	2022/23 Proj.	2022/23 Proj.
			Nov	Dec
		<i>Million Acres</i>		
Area Planted	83.4	87.2	87.5	87.5
Area Harvested	82.6	86.3	86.6	86.6
		<i>Bushels</i>		
Yield per Harvested Acre	51.0	51.7	50.2	50.2
		<i>Million Bushels</i>		
Beginning Stocks	525	257	274	274
Production	4,216	4,465	4,346	4,346
Imports	20	16	15	15
Supply, Total	4,761	4,738	4,634	4,634
Crushings	2,141	2,204	2,245	2,245
Exports	2,266	2,158	2,045	2,045
Seed	101	102	102	102
Residual	-4	2	22	22
Use, Total	4,504	4,465	4,414	4,414
Ending Stocks	257	274	220	220
Avg. Farm Price (\$/bu) 2/	10.80	13.30	14.00	14.00
SOYBEAN OIL				
		<i>Million Pounds</i>		
Beginning Stocks	1,853	2,131	1,999	1,991
Production 4/	25,023	26,143	26,310	26,310
Imports	302	303	500	300
Supply, Total	27,177	28,578	28,809	28,601
Domestic Disappearance	23,314	24,813	25,650	25,600
Biofuel 3/	8,920	10,348	11,800	11,600
Food, Feed & other Industrial	14,394	14,465	13,850	14,000
Exports	1,731	1,773	1,300	1,100
Use, Total	25,046	26,587	26,950	26,700
Ending stocks	2,131	1,991	1,859	1,901
Avg. Price (c/lb) 2/	56.87	72.98	69.00	68.00
SOYBEAN MEAL				
		<i>Thousand Short Tons</i>		
Beginning Stocks	341	341	311	311
Production 4/	50,565	51,811	52,839	52,839
Imports	784	649	600	600
Supply, Total	51,691	52,800	53,750	53,750
Domestic Disappearance	37,674	38,966	39,700	39,700
Exports	13,675	13,524	13,700	13,700
Use, Total	51,350	52,490	53,400	53,400
Ending Stocks	341	311	350	350
Avg. Price (\$/s.t.) 2/	392.31	439.81	400.00	410.00

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 soybean oil used for biofuels as reported by the U.S. Energy Information Administration. 4/ Based on an October year crush of 2,207 million bushels for 2021/22 and 2,245 million bushels for 2022/23.

WASDE - 631 - 16

U.S. Sugar Supply and Use 1/

	2020/21	2021/22 Est.	2022/23 Proj. Nov	2022/23 Proj. Dec
	<i>1,000 Short Tons, Raw Value</i>			
Beginning Stocks	1,618	1,705	1,814	1,814
Production 2/	9,233	9,136	9,086	9,039
Beet Sugar	5,092	5,155	4,994	4,927
Cane Sugar	4,141	3,981	4,091	4,111
Florida	2,090	1,933	1,989	1,989
Louisiana	1,918	1,924	2,006	2,025
Texas	134	124	96	97
Imports	3,221	3,646	3,441	3,494
TRQ 3/	1,749	1,579	1,691	1,691
Other Program 4/	292	298	250	250
Non-program	1,180	1,769	1,500	1,552
Mexico	968	1,379	1,425	1,477
High-tier tariff/other	212	390	75	75
Total Supply	14,072	14,487	14,341	14,347
Exports	49	29	35	35
Deliveries	12,277	12,578	12,605	12,605
Food	12,161	12,470	12,500	12,500
Other 5/	116	107	105	105
Miscellaneous	40	66	0	0
Total Use	12,367	12,673	12,640	12,640
Ending Stocks	1,705	1,814	1,701	1,707
Stocks to Use Ratio	13.8	14.3	13.5	13.5

1/ Fiscal years beginning Oct 1. Data and projections correspond to category components from "Sweetener Market Data" (SMD). 2/ Production projections for 2021/22 and 2022/23 are based on Crop Production and/or processor projections/industry data and/or sugar ICEC analysis where appropriate. 3/ For 2021/22, WTO raw sugar TRQ shortfall (77) and for 2022/23 (255). 4/ Composed of sugar under the re-export and polyhydric alcohol programs. 5/ 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: 2020/21 -- 298; estimated 2021/22 -- 314; projected 2022/23 -- 315

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

		Beginning Stocks	Production	Imports	Domestic 2/	Exports	Ending Stocks	
		<i>1,000 Metric Tons, Actual Weight</i>						
Sugar	2021/22 Est.	Nov	1,053	6,185	31	4,629	1,676	964
		Dec	1,053	6,185	31	4,629	1,676	964
2022/23 Proj.		Nov	964	5,900	35	4,701	1,219	979
		Dec	964	5,900	35	4,662	1,266	971

1/ HFCS consumption by Mexico (1,000 metric tons, dry basis): 2020/21 = 1,320; Estimated 2020/21 = 1,291; Projected 2022/23 = 1,291; Estimated Oct. 2022 = 122; Estimated Oct. 2021 = 103. 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: 2021/22 (532 est =508 dom.+24 import); 2022/23 (494 proj = 469 dom.+25 import). Statistical Adjustments: 2021/22 (-16), 2022/23 (0).

WASDE - 631 - 17

U.S. Cotton Supply and Use 1/

	2020/21	2021/22 Est.	2022/23 Proj. Nov	2022/23 Proj. Dec
Area				
			<i>Million Acres</i>	
Planted	12.09	11.22	13.79	13.79
Harvested	8.22	10.27	7.88	7.88
			<i>Pounds</i>	
Yield per Harvested Acre	853	819	855	868
			<i>Million 480 Pound Bales</i>	
Beginning Stocks	7.25	3.15	3.75	3.75
Production	14.61	17.52	14.03	14.24
Imports	0.00	0.01	0.01	0.01
Supply, Total	21.86	20.68	17.79	18.00
Domestic Use	2.40	2.55	2.30	2.20
Exports, Total	16.35	14.62	12.50	12.25
Use, Total	18.75	17.17	14.80	14.45
Unaccounted 2/	-0.04	-0.24	-0.01	0.05
Ending Stocks	3.15	3.75	3.00	3.50
Avg. Farm Price 3/	66.3	91.4	85.0	85.0

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

WASDE - 631 - 18

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

2020/21	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	298.21	774.55	194.73	157.89	782.42	203.33	290.34
World Less China	148.19	640.30	184.11	117.89	632.42	202.56	146.22
United States	27.99	49.75	2.73	2.54	30.41	27.05	23.00
Total Foreign	270.22	724.80	192.00	155.36	752.01	176.28	267.34
Major Exporters 4/	32.48	322.46	6.67	72.80	179.33	147.42	34.86
Argentina	2.46	17.64	0.01	0.05	6.25	11.53	2.32
Australia	2.68	31.92	0.20	4.50	8.03	23.77	3.00
Canada	5.50	35.44	0.55	4.15	9.10	26.43	5.95
European Union 5/	13.11	126.68	5.39	42.50	104.75	29.74	10.70
Russia	7.23	85.35	0.40	19.00	42.50	39.10	11.38
Ukraine	1.50	25.42	0.13	2.60	8.70	16.85	1.51
Major Importers 6/	193.65	200.43	124.41	57.58	323.40	12.62	182.46
Bangladesh	1.76	1.18	7.20	0.50	8.00	0.00	2.14
Brazil	1.99	6.25	6.40	0.40	11.80	0.93	1.91
China	150.02	134.25	10.62	40.00	150.00	0.76	144.12
Japan	1.10	1.00	5.49	0.65	6.25	0.30	1.04
N. Africa 7/	14.36	15.81	28.50	1.75	46.62	0.80	11.24
Nigeria	0.30	0.06	6.59	0.05	5.55	0.60	0.79
Sel. Mideast 8/	11.79	20.65	17.74	3.54	38.83	0.62	10.73
Southeast Asia 9/	5.91	0.00	25.18	7.29	25.00	1.14	4.95
Selected Other							
India	24.70	107.86	0.02	6.50	102.22	2.56	27.80
Kazakhstan	0.66	14.26	1.00	1.45	6.25	8.19	1.48
United Kingdom	2.44	9.66	3.22	5.96	13.46	0.45	1.42
2021/22 Est.							
World 3/	290.34	779.33	198.26	160.93	793.40	202.82	276.27
World Less China	146.22	642.39	188.69	125.93	645.40	201.94	134.51
United States	23.00	44.80	2.59	2.39	30.40	21.78	18.21
Total Foreign	267.34	734.53	195.67	158.54	763.00	181.03	258.06
Major Exporters 4/	34.86	327.17	5.82	78.54	185.67	142.68	39.51
Argentina	2.32	22.15	0.00	0.05	6.15	16.25	2.08
Australia	3.00	36.35	0.21	5.00	8.53	27.53	3.50
Canada	5.95	22.30	0.55	4.99	9.99	15.13	3.67
European Union 5/	10.70	138.22	4.61	45.00	108.25	31.92	13.36
Russia	11.38	75.16	0.30	19.50	42.75	33.00	11.09
Ukraine	1.51	33.01	0.14	4.00	10.00	18.84	5.81
Major Importers 6/	182.46	203.23	130.46	53.73	323.32	15.31	177.52
Bangladesh	2.14	1.13	6.34	0.60	8.30	0.00	1.31
Brazil	1.91	7.70	6.39	0.45	11.75	3.07	1.18
China	144.12	136.95	9.57	35.00	148.00	0.88	141.76
Japan	1.04	1.13	5.61	0.75	6.30	0.30	1.18
N. Africa 7/	11.24	20.43	26.61	1.87	47.02	0.41	10.86
Nigeria	0.79	0.09	6.19	0.05	5.85	0.60	0.62
Sel. Mideast 8/	10.73	16.50	22.90	3.88	38.78	0.75	10.61
Southeast Asia 9/	4.95	0.00	27.01	7.50	25.33	1.23	5.41
Selected Other							
India	27.80	109.59	0.03	7.00	109.88	8.03	19.50
Kazakhstan	1.48	11.81	2.50	1.35	6.20	8.10	1.49
United Kingdom	1.42	13.99	2.63	7.40	15.40	0.83	1.81

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

WASDE - 631 - 19

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

2022/23 Proj.		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Nov	276.31	782.68	202.59	156.39	791.17	208.65	267.82
	Dec	276.27	780.59	204.30	154.91	789.53	210.85	267.33
World Less China	Nov	134.55	644.68	193.09	126.39	647.17	207.75	123.46
	Dec	134.51	642.59	194.80	124.91	645.53	209.95	122.97
United States	Nov	18.21	44.90	3.27	1.36	29.75	21.09	15.54
	Dec	18.21	44.90	3.27	1.36	29.75	21.09	15.54
Total Foreign	Nov	258.10	737.77	199.32	155.03	761.42	187.56	252.28
	Dec	258.06	735.69	201.03	153.55	759.78	189.76	251.79
Major Exporters 4/	Nov	39.58	330.80	7.21	81.05	188.75	150.00	38.83
	Dec	39.51	328.72	8.21	78.55	186.20	152.50	37.74
Argentina	Nov	2.08	15.50	0.01	0.05	6.15	10.00	1.43
	Dec	2.08	12.50	0.01	0.05	6.15	7.50	0.93
Australia	Nov	3.50	34.50	0.20	5.00	8.55	26.00	3.65
	Dec	3.50	36.60	0.20	5.00	8.55	27.50	4.25
Canada	Nov	3.67	35.00	0.60	4.00	9.10	26.00	4.17
	Dec	3.67	33.82	0.60	3.50	8.55	26.00	3.55
European Union 5/	Nov	13.43	134.30	6.00	45.50	109.25	35.00	9.48
	Dec	13.36	134.30	7.00	44.50	108.25	36.00	10.41
Russia	Nov	11.09	91.00	0.30	21.00	45.00	42.00	15.39
	Dec	11.09	91.00	0.30	21.00	45.00	43.00	14.39
Ukraine	Nov	5.81	20.50	0.10	5.50	10.70	11.00	4.71
	Dec	5.81	20.50	0.10	4.50	9.70	12.50	4.21
Major Importers 6/	Nov	177.53	205.70	132.55	47.90	319.82	15.77	180.19
	Dec	177.52	205.82	133.22	48.70	320.47	15.77	180.32
Bangladesh	Nov	1.31	1.10	6.00	0.20	7.40	0.00	1.01
	Dec	1.31	1.10	6.00	0.20	7.40	0.00	1.01
Brazil	Nov	1.18	9.40	5.90	0.50	11.80	3.50	1.18
	Dec	1.18	9.50	5.60	0.40	11.70	3.50	1.08
China	Nov	141.76	138.00	9.50	30.00	144.00	0.90	144.36
	Dec	141.76	138.00	9.50	30.00	144.00	0.90	144.36
Japan	Nov	1.18	1.05	5.70	0.65	6.20	0.30	1.43
	Dec	1.18	1.05	5.75	0.75	6.30	0.30	1.38
N. Africa 7/	Nov	11.00	17.60	30.20	1.77	47.52	0.50	10.78
	Dec	10.86	17.60	29.90	1.77	47.22	0.50	10.64
Nigeria	Nov	0.62	0.11	6.30	0.00	5.90	0.60	0.53
	Dec	0.62	0.11	6.10	0.00	5.70	0.60	0.53
Sel. Mideast 8/	Nov	10.57	17.59	23.22	3.88	39.48	0.77	11.13
	Dec	10.61	17.61	23.22	3.38	39.18	0.77	11.49
Southeast Asia 9/	Nov	5.32	0.00	26.23	7.40	25.30	1.15	5.10
	Dec	5.41	0.00	27.15	8.20	26.25	1.15	5.17
Selected Other								
India	Nov	19.50	103.00	0.03	6.00	104.00	6.50	12.03
	Dec	19.50	103.00	0.03	6.00	104.00	6.25	12.28
Kazakhstan	Nov	1.49	14.00	1.00	1.40	6.25	9.00	1.24
	Dec	1.49	14.00	1.00	1.40	6.25	9.00	1.24
United Kingdom	Nov	1.81	15.40	1.80	7.80	15.80	1.30	1.91
	Dec	1.81	15.40	1.80	7.80	15.80	1.30	1.91

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

WASDE - 631 - 20

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

2020/21	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	337.28	1,441.19	233.87	904.00	1,455.84	233.60	322.63
World Less China	136.33	1,172.10	183.34	683.05	1,142.74	233.59	115.17
United States	51.83	372.89	2.47	146.84	315.97	77.21	34.01
Total Foreign	285.45	1,068.30	231.39	757.17	1,139.88	156.39	288.61
Major Exporters 4/	24.24	297.33	5.46	134.75	181.01	126.63	19.39
Argentina	4.57	60.01	0.02	11.29	17.02	45.52	2.06
Australia	3.01	18.56	0.00	6.21	8.08	10.50	2.98
Brazil	5.82	90.32	3.35	62.42	73.86	21.04	4.60
Canada	3.98	29.64	1.89	16.69	24.65	7.26	3.61
Russia	1.87	41.40	0.09	21.47	31.04	10.42	1.90
Ukraine	2.55	39.59	0.07	9.25	12.41	28.15	1.65
Major Importers 5/	36.25	252.58	137.73	294.53	377.02	13.24	36.30
European Union 6/	14.16	155.46	15.87	119.91	159.41	11.45	14.62
Japan	1.74	0.23	16.98	13.45	17.29	0.00	1.66
Mexico	4.14	32.66	17.15	30.34	49.84	0.51	3.60
N. Afr & Mideast 7/	7.69	32.62	38.77	63.16	71.37	0.71	7.01
Saudi Arabia	1.72	0.19	10.03	10.25	10.61	0.00	1.33
Southeast Asia 8/	3.80	31.12	22.65	43.43	51.72	0.57	5.29
South Korea	2.02	0.22	11.80	9.47	12.01	0.00	2.04
Selected Other							
China	200.96	269.08	50.53	220.95	313.11	0.01	207.46
2021/22 Est.							
World 3/	322.63	1,502.69	229.65	915.45	1,491.17	250.22	334.14
World Less China	115.17	1,221.84	188.15	687.63	1,171.15	250.21	124.37
United States	34.01	397.71	2.59	148.60	326.15	70.46	37.71
Total Foreign	288.61	1,104.98	227.06	766.85	1,165.02	179.77	296.43
Major Exporters 4/	19.39	333.62	9.48	143.91	190.13	147.28	25.09
Argentina	2.06	61.16	0.01	13.02	18.64	42.20	2.38
Australia	2.98	18.76	0.00	5.39	7.26	11.21	3.26
Brazil	4.60	120.62	2.95	66.09	78.18	44.52	5.48
Canada	3.61	24.43	6.40	16.90	25.12	5.63	3.68
Russia	1.90	38.54	0.10	22.23	31.11	7.58	1.85
Ukraine	1.65	53.51	0.02	12.95	16.08	32.93	6.17
Major Importers 5/	36.30	248.19	138.84	288.58	371.73	15.30	36.30
European Union 6/	14.62	154.41	21.35	120.47	159.89	13.72	16.77
Japan	1.66	0.24	16.50	13.09	16.83	0.00	1.57
Mexico	3.60	32.79	18.56	31.05	50.77	0.25	3.93
N. Afr & Mideast 7/	7.01	29.37	40.66	61.15	69.90	0.69	6.46
Saudi Arabia	1.33	0.20	8.18	7.95	8.31	0.00	1.40
Southeast Asia 8/	5.29	30.90	17.34	41.11	49.48	0.64	3.41
South Korea	2.04	0.20	11.61	9.24	11.77	0.00	2.08
Selected Other							
China	207.46	280.85	41.50	227.83	320.03	0.01	209.77

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/ European Union, Japan, Mexico, selected North Africa and Middle East, Saudi Arabia, Southeast Asia, and South Korea. 6/ Trade excludes intra-trade. 7/ Algeria, Egypt, Iran, Israel, Jordan, Libya, Morocco, Syria, Tunisia, and Turkey. 8/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

WASDE - 631 - 21

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

2022/23 Proj.		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Nov	334.64	1,459.54	218.67	904.79	1,467.75	225.12	326.43
	Dec	334.14	1,453.62	217.01	899.86	1,463.50	223.54	324.27
World Less China	Nov	124.87	1,177.24	183.52	675.44	1,147.20	225.07	119.80
	Dec	124.37	1,171.32	182.56	671.21	1,143.65	223.49	117.65
United States	Nov	37.71	364.77	3.37	138.28	314.11	59.22	32.52
	Dec	37.71	364.77	3.48	138.51	314.73	56.81	34.42
Total Foreign	Nov	296.93	1,094.77	215.30	766.51	1,153.65	165.89	293.91
	Dec	296.43	1,088.85	213.53	761.34	1,148.77	166.73	289.85
Major Exporters 4/	Nov	24.51	340.04	3.50	147.39	194.12	141.24	32.69
	Dec	25.09	335.75	3.00	144.50	191.22	142.67	29.95
Argentina	Nov	2.28	64.11	0.01	11.96	17.67	46.50	2.23
	Dec	2.38	63.81	0.01	11.96	17.67	46.20	2.33
Australia	Nov	3.26	17.47	0.00	5.52	7.40	10.18	3.16
	Dec	3.26	18.17	0.00	6.02	7.90	10.48	3.06
Brazil	Nov	5.48	130.54	1.80	69.50	81.99	47.03	8.81
	Dec	5.48	130.54	1.80	69.50	81.99	47.03	8.80
Canada	Nov	3.68	29.72	1.54	17.41	25.00	6.55	3.39
	Dec	3.68	30.54	1.04	17.22	24.91	6.68	3.67
Russia	Nov	1.85	42.00	0.10	23.00	32.40	9.65	1.91
	Dec	1.85	41.00	0.10	22.80	32.10	8.95	1.91
Ukraine	Nov	5.66	38.96	0.00	12.62	15.75	17.93	10.94
	Dec	6.17	34.46	0.00	9.62	12.75	19.93	7.96
Major Importers 5/	Nov	36.66	232.85	139.09	282.77	364.55	10.89	33.17
	Dec	36.30	231.29	138.49	281.17	363.17	10.39	32.52
European Union 6/	Nov	16.79	136.67	21.40	113.62	151.73	9.27	13.85
	Dec	16.77	135.68	23.10	114.51	152.98	8.77	13.79
Japan	Nov	1.57	0.25	16.47	12.85	16.75	0.00	1.54
	Dec	1.57	0.25	16.47	12.85	16.75	0.00	1.54
Mexico	Nov	3.93	33.50	18.57	31.64	51.36	0.60	4.04
	Dec	3.93	33.50	18.07	31.34	51.06	0.60	3.84
N. Afr & Mideast 7/	Nov	6.48	31.13	38.41	60.90	69.22	0.44	6.37
	Dec	6.46	31.13	37.71	60.20	68.52	0.44	6.34
Saudi Arabia	Nov	1.43	0.19	8.71	8.75	9.11	0.00	1.23
	Dec	1.40	0.19	8.71	8.75	9.11	0.00	1.20
Southeast Asia 8/	Nov	3.67	30.81	19.36	41.25	49.80	0.58	3.45
	Dec	3.41	30.31	18.76	40.25	48.75	0.58	3.14
South Korea	Nov	2.06	0.22	11.60	9.24	11.80	0.00	2.09
	Dec	2.08	0.15	11.10	8.74	11.22	0.00	2.11
Selected Other								
China	Nov	209.77	282.30	35.15	229.35	320.55	0.05	206.62
	Dec	209.77	282.30	34.45	228.65	319.85	0.05	206.62

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/ European Union, Japan, Mexico, selected North Africa and Middle East, Saudi Arabia, Southeast Asia, and South Korea. 6/ Trade excludes intra-trade. 7/ Algeria, Egypt, Iran, Israel, Jordan, Libya, Morocco, Syria, Tunisia, and Turkey. 8/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

WASDE - 631 - 22

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

2020/21	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	307.41	1,129.20	184.94	723.98	1,144.08	182.70	292.54
World Less China	106.88	868.53	155.42	520.98	859.08	182.70	86.83
United States	48.76	358.45	0.62	142.43	306.69	69.78	31.36
Total Foreign	258.65	770.76	184.32	581.56	837.39	112.93	261.18
Major Exporters 4/	13.37	200.12	2.92	91.02	113.82	93.55	9.04
Argentina	3.62	52.00	0.01	9.50	13.50	40.94	1.18
Brazil	5.33	87.00	2.85	59.50	70.00	21.02	4.15
Russia	0.83	13.87	0.04	8.90	10.00	3.99	0.75
South Africa	2.12	16.95	0.01	7.22	13.22	3.73	2.12
Ukraine	1.48	30.30	0.02	5.90	7.10	23.86	0.83
Major Importers 5/	20.79	132.43	92.89	164.27	219.53	4.79	21.78
Egypt	1.73	6.40	9.63	13.90	16.40	0.01	1.36
European Union 6/	7.38	67.44	14.49	57.20	77.70	3.74	7.88
Japan	1.39	0.01	15.48	12.00	15.45	0.00	1.42
Mexico	3.52	27.35	16.50	25.60	43.80	0.48	3.08
Southeast Asia 7/	3.79	31.07	20.69	41.65	49.70	0.57	5.28
South Korea	2.00	0.09	11.71	9.42	11.78	0.00	2.02
Selected Other							
Canada	2.56	13.56	1.58	8.59	13.98	1.56	2.17
China	200.53	260.67	29.51	203.00	285.00	0.00	205.70
2021/22 Est.							
World 3/	292.54	1,216.87	183.90	751.28	1,202.31	202.51	307.09
World Less China	86.83	944.31	162.02	542.28	911.31	202.51	97.96
United States	31.36	382.89	0.62	145.21	317.12	62.78	34.98
Total Foreign	261.18	833.97	183.29	606.07	885.19	139.73	272.12
Major Exporters 4/	9.04	240.95	2.37	99.70	122.80	115.18	14.38
Argentina	1.18	51.50	0.01	10.80	14.70	36.50	1.49
Brazil	4.15	116.00	2.30	62.00	73.00	44.50	4.95
Russia	0.75	15.23	0.05	10.00	11.10	4.00	0.93
South Africa	2.12	16.10	0.00	7.20	13.10	3.20	1.92
Ukraine	0.83	42.13	0.02	9.70	10.90	26.98	5.09
Major Importers 5/	21.78	136.21	94.29	168.10	223.25	6.89	22.14
Egypt	1.36	7.44	9.73	14.50	17.00	0.00	1.52
European Union 6/	7.88	70.98	19.78	62.30	82.70	6.00	9.94
Japan	1.42	0.01	15.00	11.70	15.05	0.00	1.38
Mexico	3.08	26.76	17.57	25.80	44.00	0.25	3.16
Southeast Asia 7/	5.28	30.85	16.16	40.10	48.25	0.64	3.40
South Korea	2.02	0.10	11.50	9.20	11.55	0.00	2.06
Selected Other							
Canada	2.17	13.98	6.14	11.54	17.36	2.19	2.75
China	205.70	272.55	21.88	209.00	291.00	0.00	209.14

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

WASDE - 631 - 23

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

2022/23 Proj.		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Nov	307.68	1,168.39	177.60	740.33	1,175.30	182.74	300.76
	Dec	307.09	1,161.86	176.42	735.25	1,170.55	181.63	298.40
World Less China	Nov	98.54	894.39	159.60	526.33	880.30	182.72	94.64
	Dec	97.96	887.86	158.42	521.25	875.55	181.61	92.29
United States	Nov	34.98	353.84	1.27	134.63	305.45	54.61	30.02
	Dec	34.98	353.84	1.27	134.63	305.45	52.71	31.93
Total Foreign	Nov	272.70	814.55	176.33	605.71	869.86	128.13	270.74
	Dec	272.12	808.03	175.15	600.63	865.10	128.93	266.48
Major Exporters 4/	Nov	13.86	244.20	1.36	102.30	126.20	110.90	22.32
	Dec	14.38	238.70	1.36	99.10	122.90	112.20	19.34
Argentina	Nov	1.49	55.00	0.01	10.00	14.00	41.00	1.49
	Dec	1.49	55.00	0.01	10.00	14.00	41.00	1.49
Brazil	Nov	4.95	126.00	1.30	65.50	77.00	47.00	8.25
	Dec	4.95	126.00	1.30	65.50	77.00	47.00	8.25
Russia	Nov	0.93	15.00	0.05	10.00	11.20	4.00	0.78
	Dec	0.93	14.00	0.05	9.80	10.90	3.30	0.78
South Africa	Nov	1.92	16.70	0.00	7.30	13.30	3.40	1.92
	Dec	1.92	16.70	0.00	7.30	13.30	3.40	1.92
Ukraine	Nov	4.57	31.50	0.00	9.50	10.70	15.50	9.87
	Dec	5.09	27.00	0.00	6.50	7.70	17.50	6.89
Major Importers 5/	Nov	22.53	120.77	95.40	160.50	214.75	3.89	20.06
	Dec	22.14	119.67	95.40	159.80	214.40	3.39	19.43
Egypt	Nov	1.59	7.44	9.20	13.90	16.40	0.01	1.83
	Dec	1.52	7.44	9.20	13.90	16.40	0.01	1.75
European Union 6/	Nov	9.96	54.80	20.00	55.50	74.70	2.70	7.36
	Dec	9.94	54.20	21.50	56.50	76.10	2.20	7.34
Japan	Nov	1.38	0.01	15.00	11.50	15.00	0.00	1.39
	Dec	1.38	0.01	15.00	11.50	15.00	0.00	1.39
Mexico	Nov	3.16	27.60	17.70	26.30	44.50	0.60	3.36
	Dec	3.16	27.60	17.20	26.00	44.20	0.60	3.16
Southeast Asia 7/	Nov	3.66	30.76	17.50	39.60	47.90	0.58	3.44
	Dec	3.40	30.26	17.00	38.70	46.95	0.58	3.13
South Korea	Nov	2.05	0.08	11.50	9.20	11.55	0.00	2.08
	Dec	2.06	0.08	11.00	8.70	11.05	0.00	2.09
Selected Other								
Canada	Nov	2.75	14.50	1.50	9.80	15.00	1.60	2.15
	Dec	2.75	14.54	1.00	9.30	14.50	1.60	2.19
China	Nov	209.14	274.00	18.00	214.00	295.00	0.02	206.12
	Dec	209.14	274.00	18.00	214.00	295.00	0.02	206.12

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

WASDE - 631 - 24

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

2020/21	Beginning Stocks	Production	Imports	Total /2 Domestic	Exports	Ending Stocks
World 3/	182.17	509.32	46.40	503.48	50.93	188.02
World Less China	65.67	361.02	42.18	353.19	48.71	71.52
United States	0.91	7.22	1.08	4.86	2.97	1.39
Total Foreign	181.26	502.10	45.32	498.62	47.96	186.63
Major Exporters 4/	41.22	191.63	2.01	149.40	38.33	47.13
Burma	1.01	12.60	0.00	10.50	1.90	1.21
India	33.90	124.37	0.00	101.05	20.22	37.00
Pakistan	1.15	8.42	0.01	3.70	3.88	2.00
Thailand	3.98	18.86	0.20	12.70	6.06	4.28
Vietnam	1.18	27.38	1.80	21.45	6.27	2.64
Major Importers 5/	128.89	240.06	17.05	255.09	2.71	128.20
China	116.50	148.30	4.22	150.29	2.22	116.50
European Union 6/	0.92	1.83	1.78	3.40	0.45	0.68
Indonesia	3.31	34.50	0.65	35.40	0.00	3.06
Nigeria	1.49	5.15	2.20	7.15	0.00	1.69
Philippines	3.60	12.42	2.20	14.45	0.00	3.76
Sel. Mideast 7/	1.22	2.31	3.25	5.85	0.00	0.92
Selected Other						
Brazil	0.24	8.00	0.63	7.35	0.95	0.57
C. Amer & Carib 8/	0.69	1.59	1.62	3.28	0.04	0.57
Egypt	1.23	4.00	0.22	4.30	0.01	1.15
Japan	1.98	7.57	0.65	8.15	0.11	1.94
Mexico	0.17	0.20	0.81	0.96	0.02	0.20
South Korea	1.14	3.51	0.43	4.00	0.05	1.02

2021/22 Est.

World 3/	188.02	515.05	54.47	520.78	56.92	182.29
World Less China	71.52	366.06	48.52	364.42	54.85	69.29
United States	1.39	6.09	1.20	4.81	2.61	1.26
Total Foreign	186.63	508.96	53.27	515.97	54.32	181.02
Major Exporters 4/	47.13	198.56	1.53	159.74	44.40	43.09
Burma	1.21	12.35	0.00	10.40	2.30	0.87
India	37.00	130.29	0.00	111.29	22.00	34.00
Pakistan	2.00	9.10	0.01	3.75	4.80	2.55
Thailand	4.28	19.88	0.13	12.80	7.90	3.58
Vietnam	2.64	26.94	1.40	21.50	7.40	2.08
Major Importers 5/	128.20	241.99	22.28	263.04	2.53	126.90
China	116.50	148.99	5.95	156.36	2.08	113.00
European Union 6/	0.68	1.72	2.43	3.50	0.41	0.92
Indonesia	3.06	34.40	0.75	35.30	0.00	2.91
Nigeria	1.69	5.26	2.40	7.35	0.00	2.00
Philippines	3.76	12.54	3.60	15.40	0.00	4.50
Sel. Mideast 7/	0.92	2.15	4.19	6.08	0.00	1.19
Selected Other						
Brazil	0.57	7.34	0.85	7.20	1.30	0.26
C. Amer & Carib 8/	0.57	1.63	1.71	3.25	0.04	0.62
Egypt	1.15	2.90	0.65	4.05	0.01	0.65
Japan	1.94	7.67	0.69	8.20	0.12	1.98
Mexico	0.20	0.18	0.75	0.97	0.01	0.16
South Korea	1.02	3.88	0.44	3.95	0.05	1.33

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

WASDE - 631 - 25

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

2022/23 Proj.		Beginning Stocks	Production	Imports	Total /2 Domestic	Exports	Ending Stocks
World 3/	Nov	183.10	503.69	51.42	517.77	52.83	169.02
	Dec	182.29	503.27	52.43	516.91	53.70	168.64
World Less China	Nov	70.10	356.69	46.42	362.77	50.63	61.22
	Dec	69.29	356.27	47.23	361.91	51.50	60.64
United States	Nov	1.26	5.22	1.43	4.51	2.25	1.15
	Dec	1.26	5.22	1.43	4.51	2.19	1.21
Total Foreign	Nov	181.84	498.47	49.99	513.26	50.58	167.88
	Dec	181.02	498.05	51.00	512.40	51.51	167.43
Major Exporters 4/	Nov	43.79	190.43	0.86	157.40	41.30	36.37
	Dec	43.09	190.43	0.86	156.80	42.30	35.27
Burma	Nov	0.87	12.50	0.00	10.30	2.40	0.67
	Dec	0.87	12.50	0.00	10.30	2.40	0.67
India	Nov	34.00	124.00	0.00	109.00	19.50	29.50
	Dec	34.00	124.00	0.00	108.50	20.00	29.50
Pakistan	Nov	2.55	6.60	0.01	3.70	4.00	1.46
	Dec	2.55	6.60	0.01	3.70	4.00	1.46
Thailand	Nov	3.88	20.10	0.15	12.90	8.20	3.03
	Dec	3.58	20.10	0.15	12.80	8.50	2.53
Vietnam	Nov	2.48	27.23	0.70	21.50	7.20	1.71
	Dec	2.08	27.23	0.70	21.50	7.40	1.11
Major Importers 5/	Nov	126.85	239.39	19.80	262.75	2.66	120.64
	Dec	126.90	239.33	20.60	262.75	2.64	121.44
China	Nov	113.00	147.00	5.00	155.00	2.20	107.80
	Dec	113.00	147.00	5.20	155.00	2.20	108.00
European Union 6/	Nov	0.92	1.35	2.50	3.55	0.42	0.80
	Dec	0.92	1.29	2.65	3.55	0.40	0.91
Indonesia	Nov	2.86	34.60	0.55	35.50	0.00	2.51
	Dec	2.91	34.60	0.75	35.50	0.00	2.76
Nigeria	Nov	2.00	5.04	2.20	7.45	0.00	1.79
	Dec	2.00	5.04	2.20	7.45	0.00	1.79
Philippines	Nov	4.50	12.41	3.30	15.60	0.00	4.61
	Dec	4.50	12.41	3.40	15.60	0.00	4.71
Sel. Mideast 7/	Nov	1.19	2.24	4.00	6.25	0.00	1.18
	Dec	1.19	2.24	4.10	6.25	0.00	1.28
Selected Other							
Brazil	Nov	0.36	7.30	0.85	7.25	0.90	0.36
	Dec	0.26	7.24	0.85	7.20	0.90	0.24
C. Amer & Carib 8/	Nov	0.62	1.55	1.74	3.27	0.03	0.61
	Dec	0.62	1.55	1.74	3.28	0.03	0.60
Egypt	Nov	0.65	3.60	0.55	4.10	0.01	0.69
	Dec	0.65	3.60	0.55	4.10	0.01	0.69
Japan	Nov	1.97	7.45	0.69	8.20	0.12	1.79
	Dec	1.98	7.45	0.69	8.20	0.12	1.79
Mexico	Nov	0.16	0.19	0.80	0.98	0.01	0.15
	Dec	0.16	0.19	0.80	0.98	0.01	0.15
South Korea	Nov	1.34	3.80	0.42	4.00	0.06	1.50
	Dec	1.33	3.76	0.42	4.00	0.06	1.46

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

WASDE - 631 - 26

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

2020/21	Beginning Stocks	Production	Imports	Domestic Use	Exports	Loss /2	Ending Stocks
World	98.39	111.47	48.69	123.16	48.73	-0.06	86.73
World Less China	62.05	81.87	35.83	82.16	48.72	-0.06	48.93
United States	7.25	14.61	3/	2.40	16.35	-0.04	3.15
Total Foreign	91.14	96.86	48.69	120.76	32.38	-0.02	83.58
Major Exporters 4/	40.39	53.78	1.61	34.90	27.87	-0.08	33.09
Central Asia 5/	3.96	5.45	0.03	4.11	2.03	0.00	3.29
Afr. Fr. Zone 6/	2.50	4.84	3/	0.10	5.49	0.00	1.74
S. Hemis. 7/	17.64	15.55	0.14	4.04	13.60	-0.09	15.78
Australia	1.20	2.80	3/	0.01	1.58	-0.10	2.51
Brazil	14.40	10.82	0.01	3.10	11.01	0.00	11.12
India	15.68	27.60	0.84	26.00	6.19	0.00	11.94
Major Importers 8/	48.28	39.87	44.66	81.78	3.10	0.06	47.87
Mexico	0.71	1.02	0.93	1.70	0.49	0.02	0.45
China	36.34	29.60	12.86	41.00	0.01	0.00	37.79
European Union 9/	0.66	1.69	0.56	0.59	1.96	0.00	0.37
Turkey	2.77	2.90	5.33	7.70	0.59	0.00	2.71
Pakistan	3.12	4.50	5.40	10.80	0.03	0.03	2.17
Indonesia	0.64	3/	2.31	2.45	0.01	0.00	0.50
Thailand	0.10	3/	0.60	0.61	0.00	0.01	0.08
Bangladesh	2.52	0.15	8.30	8.50	0.00	0.01	2.45
Vietnam	1.10	3/	7.29	7.30	0.00	0.00	1.09
2021/22 Est.							
World	86.73	115.73	42.89	117.40	42.86	-0.37	85.44
World Less China	48.93	88.93	35.05	82.40	42.74	-0.37	48.13
United States	3.15	17.52	0.01	2.55	14.62	-0.24	3.75
Total Foreign	83.58	98.21	42.88	114.85	28.24	-0.12	81.69
Major Exporters 4/	33.09	55.29	1.79	34.11	24.03	-0.18	32.21
Central Asia 5/	3.29	4.95	0.06	4.16	1.48	0.00	2.66
Afr. Fr. Zone 6/	1.74	5.98	3/	0.10	6.01	-0.01	1.61
S. Hemis. 7/	15.78	19.55	0.16	4.23	12.43	-0.18	19.01
Australia	2.51	5.75	3/	0.01	3.58	-0.19	4.86
Brazil	11.12	11.72	0.02	3.20	7.73	0.00	11.94
India	11.94	24.40	1.00	25.00	3.74	0.00	8.60
Major Importers 8/	47.87	39.66	38.69	76.48	2.93	0.06	46.75
Mexico	0.45	1.22	0.96	1.85	0.40	0.01	0.37
China	37.79	26.80	7.84	35.00	0.12	0.00	37.31
European Union 9/	0.37	1.68	0.64	0.62	1.77	0.00	0.30
Turkey	2.71	3.80	5.52	8.70	0.57	0.00	2.77
Pakistan	2.17	6.00	4.50	10.70	0.05	0.03	1.89
Indonesia	0.50	3/	2.58	2.60	0.01	0.00	0.46
Thailand	0.08	3/	0.75	0.73	0.00	0.01	0.10
Bangladesh	2.45	0.15	8.20	8.50	0.00	0.01	2.29
Vietnam	1.09	3/	6.63	6.70	0.00	0.00	1.02

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

WASDE - 631 - 27

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

2022/23 Proj.		Beginning Stocks	Production	Imports	Domestic Use	Exports	Loss /2	Ending Stocks
World	Nov	85.64	116.43	43.22	114.95	43.20	-0.13	87.27
	Dec	85.44	115.73	42.27	111.70	42.25	-0.07	89.56
World Less China	Nov	48.33	88.43	34.72	78.45	43.13	-0.13	50.03
	Dec	48.13	87.73	34.27	76.20	42.13	-0.07	51.87
United States	Nov	3.75	14.03	0.01	2.30	12.50	-0.01	3.00
	Dec	3.75	14.24	0.01	2.20	12.25	0.05	3.50
Total Foreign	Nov	81.89	102.40	43.22	112.65	30.70	-0.12	84.27
	Dec	81.69	101.49	42.27	109.50	30.00	-0.12	86.06
Major Exporters 4/	Nov	32.41	59.12	2.30	32.66	26.57	-0.17	34.77
	Dec	32.21	58.49	2.40	31.66	25.86	-0.17	35.75
Central Asia 5/	Nov	2.66	5.00	0.08	3.77	1.47	0.00	2.50
	Dec	2.66	5.00	0.08	3.77	1.47	0.00	2.50
Afr. Fr. Zone 6/	Nov	1.71	5.54	3/	0.10	5.40	0.00	1.76
	Dec	1.61	5.42	3/	0.10	5.19	0.00	1.74
S. Hemis. 7/	Nov	19.01	20.53	0.15	4.18	15.76	-0.18	19.94
	Dec	19.01	20.03	0.15	4.18	15.36	-0.18	19.84
Australia	Nov	4.86	5.50	3/	0.01	6.20	-0.19	4.34
	Dec	4.86	5.00	3/	0.01	5.90	-0.19	4.14
Brazil	Nov	11.94	13.00	0.02	3.20	8.40	0.00	13.35
	Dec	11.94	13.00	0.02	3.20	8.30	0.00	13.45
India	Nov	8.70	27.50	1.55	24.00	3.45	0.00	10.30
	Dec	8.60	27.50	1.65	23.00	3.35	0.00	11.40
Major Importers 8/	Nov	46.70	40.03	38.70	75.95	2.72	0.06	46.70
	Dec	46.75	39.74	37.60	73.75	2.87	0.06	47.41
Mexico	Nov	0.37	1.40	1.00	1.80	0.50	0.01	0.46
	Dec	0.37	1.40	1.00	1.80	0.50	0.01	0.46
China	Nov	37.31	28.00	8.50	36.50	0.08	0.00	37.24
	Dec	37.31	28.00	8.00	35.50	0.13	0.00	37.69
European Union 9/	Nov	0.25	1.57	0.56	0.58	1.46	0.00	0.33
	Dec	0.30	1.58	0.56	0.58	1.51	0.00	0.34
Turkey	Nov	2.77	4.40	4.70	8.30	0.65	0.00	2.92
	Dec	2.77	4.90	4.30	8.00	0.70	0.00	3.27
Pakistan	Nov	1.89	4.50	5.00	9.70	0.03	0.03	1.64
	Dec	1.89	3.70	5.00	9.00	0.03	0.03	1.54
Indonesia	Nov	0.46	3/	2.45	2.45	0.01	0.00	0.46
	Dec	0.46	3/	2.45	2.45	0.01	0.00	0.46
Thailand	Nov	0.10	3/	0.70	0.70	0.00	0.01	0.09
	Dec	0.10	3/	0.70	0.70	0.00	0.01	0.09
Bangladesh	Nov	2.29	0.16	8.00	8.20	0.00	0.01	2.24
	Dec	2.29	0.16	8.00	8.20	0.00	0.01	2.24
Vietnam	Nov	1.02	3/	6.80	6.70	0.00	0.00	1.13
	Dec	1.02	3/	6.60	6.50	0.00	0.00	1.13

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

WASDE - 631 - 28

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

2020/21		Beginning Stocks	Production	Imports	Domestic Crush	Domestic Total	Exports	Ending Stocks
World 2/		94.73	368.52	165.54	315.43	363.76	164.99	100.03
World Less China		70.12	348.92	65.80	222.43	251.02	164.92	68.89
United States		14.28	114.75	0.54	58.26	60.91	61.67	6.99
Total Foreign		80.45	253.77	165.00	257.18	302.86	103.33	93.04
Major Exporters 3/		47.42	197.39	5.92	90.21	100.84	94.95	54.94
Argentina		26.65	46.20	4.82	40.16	47.41	5.20	25.06
Brazil		20.42	139.50	1.02	46.68	49.88	81.65	29.40
Paraguay		0.33	9.90	0.02	3.30	3.47	6.33	0.45
Major Importers 4/		27.98	23.25	133.39	122.10	149.80	0.27	34.56
China		24.61	19.60	99.74	93.00	112.74	0.07	31.15
European Union		1.72	2.60	14.79	15.80	17.36	0.19	1.56
Southeast Asia		0.98	0.59	9.68	4.74	10.04	0.01	1.20
Mexico		0.37	0.25	6.10	6.20	6.25	0.00	0.46
2021/22 Est.								
World 2/		100.03	355.61	157.14	314.78	363.38	153.82	95.59
World Less China		68.89	339.21	65.58	227.28	256.16	153.72	63.80
United States		6.99	121.53	0.43	59.98	62.78	58.72	7.45
Total Foreign		93.04	234.08	156.71	254.80	300.59	95.10	88.14
Major Exporters 3/		54.94	178.17	4.44	91.90	102.44	87.25	47.85
Argentina		25.06	43.90	3.84	38.83	46.04	2.86	23.90
Brazil		29.40	127.00	0.54	50.75	54.00	79.14	23.81
Paraguay		0.45	4.20	0.05	2.25	2.33	2.25	0.13
Major Importers 4/		34.56	20.16	123.85	116.28	143.50	0.42	34.65
China		31.15	16.40	91.57	87.50	107.22	0.10	31.79
European Union		1.56	2.71	14.55	15.40	16.97	0.29	1.55
Southeast Asia		1.20	0.53	8.32	4.45	9.27	0.02	0.75
Mexico		0.46	0.29	5.96	6.35	6.40	0.00	0.30
2022/23 Proj.								
World 2/	Nov	94.67	390.53	166.28	329.28	380.17	169.14	102.17
	Dec	95.59	391.17	166.21	329.32	380.88	169.38	102.71
World Less China	Nov	62.88	372.13	68.28	233.28	263.58	169.04	70.67
	Dec	63.80	372.77	68.21	233.32	264.29	169.28	71.21
United States	Nov	7.45	118.27	0.41	61.10	64.48	55.66	5.99
	Dec	7.45	118.27	0.41	61.10	64.48	55.66	5.99
Total Foreign	Nov	87.22	272.26	165.87	268.18	315.69	113.49	96.17
	Dec	88.14	272.90	165.80	268.22	316.40	113.72	96.72
Major Exporters 3/	Nov	47.39	214.00	5.57	95.28	106.29	104.88	55.79
	Dec	47.85	214.00	5.57	95.33	106.36	105.28	55.79
Argentina	Nov	23.90	49.50	4.80	39.75	47.00	7.20	24.00
	Dec	23.90	49.50	4.80	39.75	47.00	7.70	23.50
Brazil	Nov	23.34	152.00	0.75	51.75	55.35	89.50	31.24
	Dec	23.81	152.00	0.75	51.75	55.35	89.50	31.71
Paraguay	Nov	0.13	10.00	0.01	3.70	3.86	5.75	0.53
	Dec	0.13	10.00	0.01	3.75	3.93	5.65	0.56
Major Importers 4/	Nov	34.19	21.82	132.38	125.10	153.73	0.33	34.32
	Dec	34.65	21.82	132.03	124.80	153.43	0.37	34.70
China	Nov	31.79	18.40	98.00	96.00	116.59	0.10	31.50
	Dec	31.79	18.40	98.00	96.00	116.59	0.10	31.50
European Union	Nov	1.13	2.47	14.80	15.20	16.78	0.22	1.40
	Dec	1.55	2.47	14.40	14.90	16.48	0.25	1.69
Southeast Asia	Nov	0.80	0.50	9.88	4.85	10.20	0.02	0.96
	Dec	0.75	0.50	9.88	4.85	10.20	0.02	0.92
Mexico	Nov	0.30	0.23	6.40	6.55	6.60	0.00	0.32
	Dec	0.30	0.23	6.40	6.55	6.60	0.00	0.33

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

WASDE - 631 - 29

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

2020/21		Beginning Stocks	Production	Imports	Domestic Total	Exports	Ending Stocks
World 2/		15.54	247.81	64.07	244.16	68.98	14.28
World Less China		15.54	174.16	64.00	171.48	67.92	14.28
United States		0.31	45.87	0.71	34.18	12.41	0.31
Total Foreign		15.23	201.94	63.36	209.98	56.57	13.98
Major Exporters 3/		6.76	75.10	0.26	28.58	46.93	6.61
Argentina		2.57	31.32	0.00	3.28	28.33	2.29
Brazil		3.77	36.18	0.02	19.25	16.58	4.15
India		0.42	7.60	0.24	6.05	2.03	0.18
Major Importers 4/		2.63	22.86	37.25	59.63	1.12	2.00
European Union		0.79	12.48	16.51	28.39	0.85	0.55
Mexico		0.18	4.90	1.85	6.73	0.01	0.20
Southeast Asia 5/		1.48	3.69	17.05	20.86	0.27	1.10
China		0.00	73.66	0.07	72.68	1.05	0.00
2021/22 Est.							
World 2/		14.28	247.02	65.01	244.03	68.25	14.04
World Less China		14.28	177.72	64.95	175.15	67.77	14.04
United States		0.31	47.00	0.59	35.35	12.27	0.28
Total Foreign		13.98	200.02	64.42	208.68	55.98	13.75
Major Exporters 3/		6.61	77.22	0.79	30.00	47.47	7.16
Argentina		2.29	30.29	0.14	3.33	26.59	2.80
Brazil		4.15	39.34	0.01	19.65	20.22	3.62
India		0.18	7.60	0.65	7.02	0.66	0.74
Major Importers 4/		2.00	22.60	37.93	59.75	1.13	1.66
European Union		0.55	12.17	16.84	28.14	0.77	0.64
Mexico		0.20	5.02	1.83	6.85	0.02	0.18
Southeast Asia 5/		1.10	3.47	17.57	21.06	0.34	0.74
China		0.00	69.30	0.06	68.87	0.48	0.00
2022/23 Proj.							
World 2/	Nov	13.75	258.47	65.04	252.79	69.95	14.52
	Dec	14.04	258.50	65.64	253.32	70.09	14.76
World Less China	Nov	13.75	182.44	64.99	177.71	68.95	14.52
	Dec	14.04	182.47	65.59	178.24	69.09	14.76
United States	Nov	0.28	47.94	0.54	36.02	12.43	0.32
	Dec	0.28	47.94	0.54	36.02	12.43	0.32
Total Foreign	Nov	13.46	210.54	64.49	216.77	57.52	14.20
	Dec	13.75	210.56	65.09	217.31	57.66	14.45
Major Exporters 3/	Nov	7.19	79.11	0.12	30.76	48.30	7.36
	Dec	7.16	79.11	0.12	30.63	48.40	7.36
Argentina	Nov	2.80	31.01	0.00	3.40	27.60	2.81
	Dec	2.80	31.01	0.00	3.40	27.60	2.80
Brazil	Nov	3.64	40.10	0.02	20.35	19.50	3.91
	Dec	3.62	40.10	0.02	20.20	19.60	3.94
India	Nov	0.75	8.00	0.10	7.01	1.20	0.65
	Dec	0.74	8.00	0.10	7.03	1.20	0.62
Major Importers 4/	Nov	1.44	22.86	38.28	59.83	1.07	1.67
	Dec	1.66	22.62	38.50	59.86	1.12	1.80
European Union	Nov	0.42	12.01	16.80	27.94	0.75	0.54
	Dec	0.64	11.77	16.80	27.84	0.80	0.57
Mexico	Nov	0.13	5.18	1.85	6.95	0.01	0.20
	Dec	0.18	5.18	1.85	6.95	0.01	0.24
Southeast Asia 5/	Nov	0.74	3.79	17.80	21.23	0.31	0.79
	Dec	0.74	3.79	18.00	21.38	0.31	0.84
China	Nov	0.00	76.03	0.05	75.08	1.00	0.00
	Dec	0.00	76.03	0.05	75.08	1.00	0.00

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

WASDE - 631 - 30

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

2020/21		Beginning Stocks	Production	Imports	Domestic Total	Exports	Ending Stocks
World 2/		5.38	59.23	11.71	58.45	12.61	5.26
World Less China		4.60	42.56	10.48	40.85	12.57	4.23
United States		0.84	11.35	0.14	10.58	0.79	0.97
Total Foreign		4.54	47.88	11.58	47.87	11.83	4.30
Major Exporters 3/		1.54	20.54	0.75	12.51	9.02	1.30
Argentina		0.55	7.93	0.00	2.04	6.14	0.30
Brazil		0.48	8.99	0.25	7.98	1.26	0.47
European Union		0.44	3.00	0.49	2.43	1.06	0.44
Major Importers 4/		1.59	19.87	6.77	26.36	0.21	1.67
China		0.78	16.67	1.23	17.60	0.04	1.03
India		0.14	1.71	3.25	4.95	0.01	0.13
North Africa 5/		0.43	0.99	1.63	2.60	0.13	0.33
2021/22 Est.							
World 2/		5.26	59.37	11.47	59.35	12.19	4.56
World Less China		4.23	43.69	11.18	42.70	12.07	4.32
United States		0.97	11.86	0.14	11.26	0.80	0.90
Total Foreign		4.30	47.51	11.33	48.10	11.38	3.66
Major Exporters 3/		1.30	20.79	0.59	12.63	8.65	1.39
Argentina		0.30	7.66	0.09	2.66	4.87	0.52
Brazil		0.47	9.77	0.03	7.50	2.41	0.36
European Union		0.44	2.93	0.46	2.41	0.97	0.46
Major Importers 4/		1.67	19.11	6.57	26.25	0.28	0.82
China		1.03	15.68	0.29	16.65	0.11	0.24
India		0.13	1.71	4.23	5.83	0.02	0.24
North Africa 5/		0.33	1.22	1.41	2.55	0.13	0.26
2022/23 Proj.							
World 2/	Nov	4.42	61.87	11.68	60.39	12.66	4.93
	Dec	4.56	61.88	11.56	60.51	12.62	4.87
World Less China	Nov	4.18	44.67	10.68	42.59	12.57	4.37
	Dec	4.32	44.67	10.56	42.71	12.53	4.31
United States	Nov	0.91	11.93	0.23	11.64	0.59	0.84
	Dec	0.90	11.93	0.14	11.61	0.50	0.86
Total Foreign	Nov	3.52	49.94	11.45	48.75	12.07	4.08
	Dec	3.66	49.94	11.42	48.90	12.12	4.00
Major Exporters 3/	Nov	1.44	21.41	0.60	12.62	9.28	1.56
	Dec	1.39	21.37	0.58	12.63	9.33	1.38
Argentina	Nov	0.53	7.86	0.00	2.38	5.50	0.51
	Dec	0.52	7.86	0.00	2.38	5.50	0.50
Brazil	Nov	0.36	9.97	0.10	7.83	2.10	0.50
	Dec	0.36	9.97	0.08	7.83	2.15	0.43
European Union	Nov	0.50	2.89	0.50	2.36	1.08	0.46
	Dec	0.46	2.83	0.50	2.36	1.08	0.36
Major Importers 4/	Nov	0.66	20.67	6.69	26.74	0.21	1.06
	Dec	0.82	20.72	6.65	26.87	0.21	1.11
China	Nov	0.24	17.20	1.00	17.80	0.09	0.55
	Dec	0.24	17.20	1.00	17.80	0.09	0.55
India	Nov	0.10	1.80	3.35	5.10	0.02	0.14
	Dec	0.24	1.80	3.35	5.20	0.02	0.17
North Africa 5/	Nov	0.24	1.13	1.59	2.59	0.11	0.27
	Dec	0.26	1.19	1.55	2.62	0.11	0.28

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, Bangladesh, and North Africa. 5/ Algeria, Egypt, Morocco, and Tunisia. Totals may not add due to rounding.

WASDE - 631 - 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>
2021	IV	7,106	7,185	14,341	11,193	1,366	12,689	27,030	2,371	55.4	
	Annual	27,948	27,675	55,815	44,899	5,558	50,995	106,810	9,238	226.3	
2022	I	7,022	6,904	13,972	11,170	1,374	12,678	26,650	2,295	56.3	
	II	7,069	6,639	13,755	11,279	1,275	12,698	26,453	2,207	57.8	
	III	7,147	6,533	13,725	11,896	1,264	13,311	27,037	2,246	56.5	
	IV*	7,180	6,985	14,213	11,750	1,300	13,180	27,393	2,285	56.3	
	Annual										
	Nov Proj.	28,347	27,121	55,655	45,974	5,188	51,710	107,366	9,032	227.0	
	Dec Proj.	28,417	27,061	55,664	46,095	5,213	51,867	107,531	9,033	227.0	
2023	I*	6,660	6,980	13,685	11,500	1,325	12,955	26,640	2,300	57.1	
	II*	6,600	6,505	13,150	11,575	1,380	13,090	26,240	2,340	58.5	
	III*	6,490	6,615	13,150	12,050	1,420	13,610	26,760	2,385	57.0	
	Annual										
	Nov Proj.	26,275	27,345	53,803	46,825	5,580	52,935	106,738	9,515	229.2	
	Dec Proj.	26,275	27,345	53,803	46,925	5,550	53,005	106,808	9,465	229.5	

* 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>
2021	IV	132.36	56.36	110.9	133.4	131.8	20.67
	Annual	122.40	67.29	101.2	122.8	118.5	18.53
2022	I	139.25	65.55	135.1	131.4	170.8	24.93
	II	141.93	75.58	167.5	143.9	251.6	27.10
	III	143.42	80.20	136.1	165.4	295.6	24.80
	IV*	152.00	64.00	125.0	178.0	395.0	25.80
	Annual						
	Nov Proj.	144.15	71.33	140.9	155.4	260.0	25.50
	Dec Proj.	144.15	71.33	140.9	154.7	278.3	25.65
2023	I*	153.00	63.00	130.0	160.0	260.0	23.75
	II*	154.00	71.00	133.0	157.0	185.0	22.40
	III*	155.00	69.00	130.0	147.0	160.0	21.75
	Annual						
	Nov Proj.	156	67	131	153	184	22.60
	Dec Proj.	156	67	131	153	194	22.70

*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 - 631 - 32

U.S. Meats Supply and Use

		Beginning Production		Imports	Total Supply	Exports	Ending Stocks	Total Use	Per Capita	
		stocks	1/							2/ 3/
<i>Million Pounds /4</i>										
Beef	2021	716	28,016	3,346	32,078	3,441	676	27,962	58.9	
	2022 Proj.	Nov	676	28,415	3,376	32,467	3,542	730	28,195	59.2
		Dec	676	28,485	3,376	32,537	3,562	700	28,275	59.4
	2023 Proj.	Nov	730	26,343	3,350	30,423	3,070	640	26,713	55.9
		Dec	700	26,343	3,350	30,393	3,090	640	26,663	55.8
	Pork	2021	467	27,690	1,180	29,337	7,026	446	21,865	51.1
2022 Proj.		Nov	446	27,135	1,424	29,005	6,409	540	22,056	51.4
		Dec	446	27,075	1,399	28,920	6,334	520	22,066	51.4
2023 Proj.		Nov	540	27,360	1,410	29,310	6,280	570	22,460	52.1
		Dec	520	27,360	1,400	29,280	6,280	570	22,430	52.1
Total Red Meat 5/		2021	1,217	55,906	4,890	62,014	10,470	1,147	50,397	111.5
	2022 Proj.	Nov	1,147	55,747	5,165	62,059	9,956	1,299	50,805	112.1
		Dec	1,147	55,756	5,135	62,038	9,901	1,248	50,890	112.3
	2023 Proj.	Nov	1,299	53,895	5,125	60,318	9,354	1,237	49,728	109.5
		Dec	1,248	53,895	5,115	60,258	9,374	1,237	49,647	109.4
	Broiler	2021	830	44,419	155	45,403	7,355	705	37,343	96.6
2022 Proj.		Nov	705	45,482	187	46,374	7,212	830	38,332	98.8
		Dec	705	45,602	187	46,493	7,262	840	38,391	99.0
2023 Proj.		Nov	830	46,324	170	47,324	7,370	790	39,164	100.6
		Dec	840	46,423	180	47,443	7,345	830	39,268	100.9
Turkey		2021	223	5,558	22	5,804	548	166	5,090	15.3
	2022 Proj.	Nov	166	5,188	86	5,440	417	165	4,857	14.6
		Dec	166	5,213	91	5,470	417	165	4,887	14.7
	2023 Proj.	Nov	165	5,580	100	5,845	425	170	5,250	15.7
		Dec	165	5,550	120	5,835	425	170	5,240	15.7
	Total Poultry 6/	2021	1,057	50,514	180	51,751	7,947	874	42,930	113.4
2022 Proj.		Nov	874	51,218	280	52,372	7,660	999	43,713	115.0
		Dec	874	51,373	285	52,532	7,710	1,009	43,814	115.3
2023 Proj.		Nov	999	52,433	276	53,708	7,819	964	44,925	117.9
		Dec	1,009	52,502	306	53,817	7,794	1,004	45,019	118.1
Red Meat & Poultry		2021	2,274	106,420	5,070	113,765	18,418	2,021	93,327	224.9
	2022 Proj.	Nov	2,021	106,965	5,445	114,431	17,615	2,298	94,518	227.1
		Dec	2,021	107,129	5,420	114,570	17,610	2,257	94,703	227.5
	2023 Proj.	Nov	2,298	106,328	5,401	114,027	17,173	2,201	94,653	227.4
		Dec	2,257	106,397	5,421	114,075	17,168	2,241	94,667	227.5

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

WASDE - 631 - 33

U.S. Egg Supply and Use

	2020	2021	2022 Proj. Nov	2022 Proj. Dec	2023 Proj. Nov	2023 Proj. Dec
Eggs	<i>Million Dozen</i>					
Supply						
Beginning Stocks	31.6	24.5	19.1	19.1	20.5	20.5
Production	9,291.8	9,237.8	9,032.0	9,032.8	9,515.0	9,465.0
Imports	15.5	18.2	22.7	22.0	19.5	19.5
Total Supply	9,338.9	9,280.5	9,073.9	9,074.0	9,555.0	9,505.0
Use						
Exports	344.0	392.2	221.8	226.8	265.0	265.0
Hatching Use	1,078.5	1,103.9	1,124.0	1,119.0	1,150.0	1,150.0
Ending Stocks	24.5	19.1	20.5	20.5	21.0	21.0
Disappearance						
Total	7,891.8	7,765.3	7,707.6	7,707.7	8,119.0	8,069.0
Per Capita (number)	285.5	280.5	277.6	277.7	291.5	289.7

U.S. Milk Supply and Use

	2020	2021	2022 Proj. Nov	2022 Proj. Dec	2023 Proj. Nov	2023 Proj. Dec
Milk	<i>Billion Pounds</i>					
Production						
Farm Use	1.1	1.0	1.1	1.1	1.1	1.1
Fat Basis Supply						
Beginning Stocks	13.6	15.6	14.3	14.3	14.1	14.0
Marketings	222.2	225.2	225.9	225.9	228.1	228.5
Imports	6.8	6.5	7.0	7.3	7.1	7.2
Total Supply	242.6	247.4	247.2	247.6	249.3	249.6
Fat Basis Use						
Exports	9.3	11.5	13.1	13.5	12.7	13.0
Ending Stocks	15.6	14.3	14.1	14.0	14.9	14.7
Domestic Use	217.8	221.5	220.0	220.1	221.6	222.0
Skim-solid Basis Supply						
Beginning Stocks	10.2	10.9	11.1	11.1	11.2	11.1
Marketings	222.2	225.2	225.9	225.9	228.1	228.5
Imports	5.6	5.8	6.4	6.5	6.0	6.1
Total Supply	238.0	241.9	243.4	243.5	245.4	245.7
Skim-solid Basis Use						
Exports	47.2	50.8	52.4	52.4	52.5	52.3
Ending Stocks	10.9	11.1	11.2	11.1	11.1	11.2
Domestic Use	179.9	180.0	179.8	180.0	181.8	182.2

Dairy domestic use for 2020 includes additional milk marketed but not processed. Note: Totals may not add due to rounding.

WASDE - 631 - 34

U.S. Dairy Prices

	2020	2021	2022 Proj. Nov	2022 Proj. Dec	2023 Proj. Nov	2023 Proj. Dec
Product Prices 1/	<i>Dollars Per Pound</i>					
Cheese	1.9236	1.6755	2.100	2.110	1.970	1.995
Butter	1.5808	1.7325	2.845	2.875	2.455	2.465
Nonfat Dry Milk	1.0417	1.2693	1.680	1.680	1.405	1.375
Dry Whey	0.3621	0.5744	0.605	0.605	0.485	0.465
	<i>Dollars Per Cwt</i>					
Milk Prices 2/						
Class III	18.16	17.08	21.80	21.95	19.65	19.80
Class IV	13.49	16.09	24.30	24.50	20.35	20.10
All Milk 3/	18.13	18.53	25.50	25.65	22.60	22.70

All prices are January-December averages. 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 - 631 - 35

Reliability of December Projections 1/

Note: Tables on pages 35-37 present a record of the December 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 0.8 percent. Chances are 9 out of 10 (90% confidence level) that the difference will not exceed 1.3 percent. The average difference between the December projection and the final estimate is 3.7 million tons, ranging from 0.4 million to 10.2 million tons. The December projection has been below the estimate 30 times and above 11 times.

	Root mean square error	90 percent confidence interval	Differences between forecast and final estimate				
			Average	Smallest	Largest	Years	
						Below Final	Above Final
WHEAT	<i>Percent</i>		<i>Million Metric Tons</i>				
Production							
World	0.8	1.3	3.7	0.4	10.2	30	11
U.S.	0.4	0.7	0.2	0.0	1.2	21	14
Foreign	0.9	1.5	3.7	0.3	10.3	30	11
Exports							
World	5.1	8.7	5.6	0.1	18.3	32	9
U.S.	5.7	9.6	1.5	0.2	3.9	21	20
Foreign	6.3	10.6	5.4	0.5	17.9	35	6
Domestic Use							
World	1.3	2.2	6.0	0.1	24.4	23	18
U.S.	5.8	9.7	1.5	0.1	3.6	10	31
Foreign	1.3	2.3	6.0	0.1	24.6	27	14
Ending Stocks							
World	5.6	9.4	7.5	0.9	28.6	29	12
U.S.	10.4	17.6	1.8	0.1	7.0	28	13
Foreign	5.7	9.6	6.3	0.4	28.1	28	13
COARSE GRAINS 2/							
Production							
World	1.4	2.4	12.3	0.0	36.0	30	11
U.S.	1.3	2.2	2.5	0.0	9.9	19	22
Foreign	2.0	3.4	12.3	0.3	37.5	29	12
Exports							
World	6.5	11.0	6.4	0.1	33.3	29	12
U.S.	14.9	25.2	5.3	0.1	12.8	19	22
Foreign	11.6	19.5	6.9	0.0	27.1	26	14
Domestic Use							
World	1.2	2.1	9.9	0.3	36.5	24	17
U.S.	3.4	5.8	4.8	0.1	17.9	18	23
Foreign	1.5	2.5	9.6	0.3	36.9	26	15
Ending Stocks							
World	10.9	18.3	14.6	0.2	137.6	34	7
U.S.	19.2	32.4	7.2	0.7	23.9	21	20
Foreign	14.1	23.8	13.4	0.1	143.9	33	8
RICE, milled							
Production							
World	1.9	3.2	5.6	0.0	16.2	33	8
U.S.	2.8	4.7	0.1	0.0	0.5	20	16
Foreign	1.9	3.3	5.6	0.1	16.2	34	7
Exports							
World	9.3	15.6	2.0	0.1	6.3	31	10
U.S.	7.9	13.2	0.2	0.0	0.6	19	20
Foreign	10.4	17.5	2.0	0.0	6.5	29	12
Domestic Use							
World	1.5	2.5	3.7	0.0	15.9	29	12
U.S.	7.8	13.1	0.2	0.0	0.6	22	19
Foreign	1.5	2.6	3.7	0.0	16.1	29	12
Ending Stocks							
World	10.3	17.4	5.7	0.1	27.9	33	8
U.S.	20.9	35.2	0.2	0.0	0.8	22	19
Foreign	10.6	17.9	5.7	0.2	27.7	33	8

1/ Footnotes at end of table.

CONTINUED

WASDE - 631 - 36

Reliability of December Projections (Continued) 1/

	Differences between forecast and final estimate						
	Root mean square error	90 percent confidence interval	Average			Years	
				Smallest	Largest	Below Final	Above Final
SOYBEANS	<i>Percent</i>			<i>Million Metric Tons</i>			
Production							
World	3.8	6.5	6.0	0.1	26.2	22	19
U.S.	2.0	3.4	1.1	0.1	4.7	18	23
Foreign	6.3	10.6	6.0	0.1	27.3	19	22
Exports							
World	7.0	11.8	3.9	0.1	18.3	24	17
U.S.	8.9	15.0	2.2	0.1	6.4	24	17
Foreign	17.3	29.2	3.7	0.0	21.3	20	21
Domestic Use							
World	2.7	4.6	4.3	0.0	13.9	21	20
U.S.	3.4	5.8	1.2	0.0	3.6	27	14
Foreign	3.3	5.6	3.9	0.2	13.9	22	19
Ending Stocks							
World	15.1	25.4	4.6	0.1	18.5	23	18
U.S.	43.1	72.5	2.1	0.2	7.3	12	29
Foreign	16.5	27.8	4.1	0.1	18.3	24	17
COTTON	<i>Million 480-Pound Bales</i>						
Production							
World	3.2	5.3	2.4	0.0	7.2	23	17
U.S.	2.5	4.3	0.3	0.0	1.3	18	22
Foreign	3.7	6.2	2.3	0.0	7.1	22	18
Exports							
World	7.2	12.2	2.0	0.1	9.0	24	17
U.S.	13.3	22.5	0.9	0.0	3.0	25	16
Foreign	9.2	15.5	1.5	0.0	8.3	21	19
Domestic Use							
World	4.1	6.9	2.8	0.1	18.2	20	21
U.S.	8.6	14.5	0.3	0.0	1.0	20	20
Foreign	4.1	6.9	2.7	0.1	17.4	22	19
Ending Stocks							
World	11.2	18.9	4.7	0.1	19.3	23	18
U.S.	30.0	50.5	1.1	0.1	3.2	13	28
Foreign	11.8	19.8	4.4	0.1	17.5	27	14

1/ Marketing years 1981/82 through 2021/22 for grains, soybeans (U.S. only), and cotton. Final for grains, soybeans, and cotton is defined as the first November estimate following the marketing year for 1981/82 through 2020/21, and for 2021/22 the last month's estimate. 2/ Includes corn, sorghum, barley, oats, rye, millet, and mixed grain.

WASDE - 631 - 37

Reliability of United States December Projections 1/

	Differences between forecast and final estimate						
	Root mean square error	90 percent confidence interval	Average	Smallest	Largest	Below Final	Above Final
CORN	<i>Percent</i>		<i>Million Bushels</i>				
Production	1.3	2.3	94	0	396	20	20
Exports	15.6	26.3	190	9	513	18	23
Domestic Use	3.6	6.1	181	14	574	23	18
Ending Stocks	21.9	36.8	284	16	986	21	20
SORGHUM							
Production	4.1	7.0	15	1	53	21	20
Exports	18.3	30.9	29	0	123	26	14
Domestic Use	20.0	33.7	36	0	127	17	23
Ending Stocks	46.3	77.9	24	1	104	16	25
BARLEY							
Production	1.6	2.6	4	0	24	19	10
Exports	31.4	52.8	8	0	37	15	22
Domestic Use	8.1	13.6	16	0	70	16	24
Ending Stocks	14.7	24.8	13	0	39	27	12
OATS							
Production	1.1	1.8	2	0	18	8	9
Exports	69.7	117.3	1	0	7	11	10
Domestic Use	5.2	8.8	11	0	39	15	25
Ending Stocks	19.6	33.1	13	1	52	27	14
SOYBEAN MEAL	<i>Thousand Short Tons</i>						
Production	3.4	5.8	1,034	102	3,117	25	16
Exports	10.9	18.3	717	100	2,850	23	18
Domestic Use	3.2	5.3	701	50	2,293	22	19
Ending Stocks	33.2	56.0	63	0	253	16	23
SOYBEAN OIL	<i>Million Pounds</i>						
Production	3.4	5.7	457	43	1,530	28	13
Exports	28.3	47.7	364	0	1,325	22	17
Domestic Use	3.7	6.2	464	25	1,761	25	16
Ending Stocks	21.1	35.5	293	1	1,051	26	15
ANIMAL PROD.	<i>Million Pounds</i>						
Beef	3.5	6.0	725	9	2,311	28	12
Pork	3.2	5.4	435	20	1,592	21	19
Broilers	1.7	2.9	394	1	1,346	24	16
Turkeys	3.2	5.4	130	2	452	21	19
	<i>Million Dozen</i>						
Eggs	2.1	3.5	118	3	515	26	14
	<i>Billion Pounds</i>						
Milk	1.5	2.5	1.8	0.1	6.1	22	18

1/ See pages 35 and 36 for record of reliability for U.S. wheat, rice, soybeans, and cotton. Marketing years 1981/82 through 2021/22 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 2021/22. Calendar years 1982 through 2021 for meats, eggs, and milk. Final for animal products is defined as the latest annual production estimate published by NASS for 1982-2021.

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 International Production Assessment Division (IPAD) of the Foreign Agricultural Service. IPAD is located at <https://ipad.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



U.S. DEPARTMENT OF AGRICULTURE

Hybrid
Event

USDA's 99th Annual Agricultural Outlook Forum



U.S. Agriculture: Seeds of Growth Through Innovation

February 23-24, 2023

You're invited to USDA's largest annual gathering and the agricultural sector's premier event—the 2023 Agricultural Outlook Forum. The Forum will be held in person on February 23-24, 2023, at the Crystal City Gateway Marriott, Arlington, VA and all sessions will be livestreamed.

The program will feature an exceptional lineup of topics and speakers!

- Join Chief Economist Seth Meyer as he unveils USDA's initial forecast for the agricultural economy, commodity markets, and trade in 2023 and discuss U.S. farm income situation.
- Learn from more than 100 subject matter experts, executives and academics as they discuss some of the most pressing issues impacting agriculture and potential solutions.
- Get the latest on supply chain challenges and solutions, climate-smart agriculture and more!

Participants can attend the Agricultural Outlook Forum in person or virtually. Registration is required for both virtual and in-person attendance. There is no cost to attending the Forum virtually.

For more information, see the Forum's [Program at a Glance](#)

Don't miss your chance to hear the latest updates from industry leaders.

[Register Today!](#)

For complete WASDE tables and previous month's report visit

<https://www.usda.gov/oce/commodity/wasde/>

Click to receive [WASDE-related notifications](#) by email

Previous WASDE reports are available at

<https://usda.library.cornell.edu/concern/publications/3t945q76s?locale=en>

For questions contact: Mirvat Sewadeh at mirvat.sewadeh@usda.gov

World Agricultural Supply and Demand Estimates

WASDE-631 – December 9, 2022

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice or TDD). USDA is an equal opportunity provider and employer.