

World Agricultural Supply and Demand Estimates
Report of November 9, 2022

Interagency Commodity Estimates Committee Forecasts
World Agricultural Outlook Board, Chairing Agency
Economic Research Service
Foreign Agricultural Service
Farm Production and Conservation
Agricultural Marketing Service

Highlights

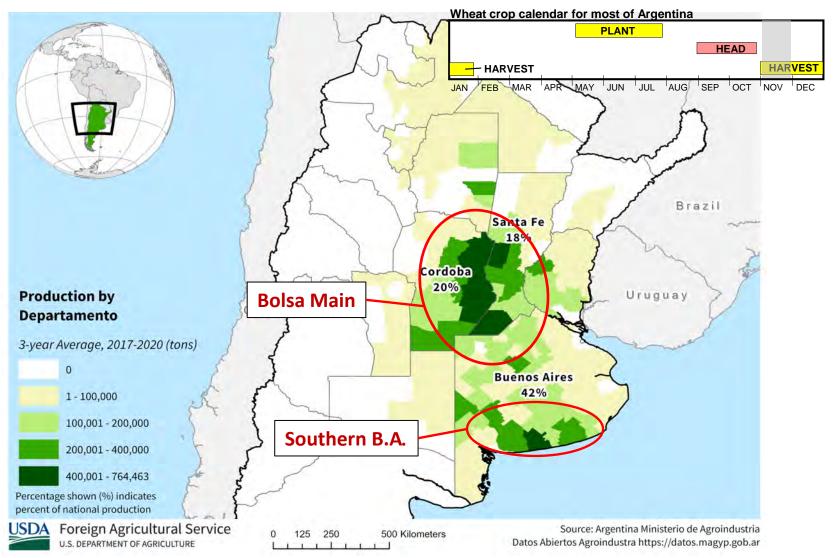
- Harvest is wrapping up in the Northern Hemisphere and row crop planting is in the early stages in the Southern Hemisphere.
- Argentina wheat production is decreased from last month due to dry conditions in the wheat growing regions.
- Australia wheat, barley and rapeseed yield and production are revised up based on favorable seasonal conditions at flowering continuing into grain fill with ample soil moisture.

World Wheat Production

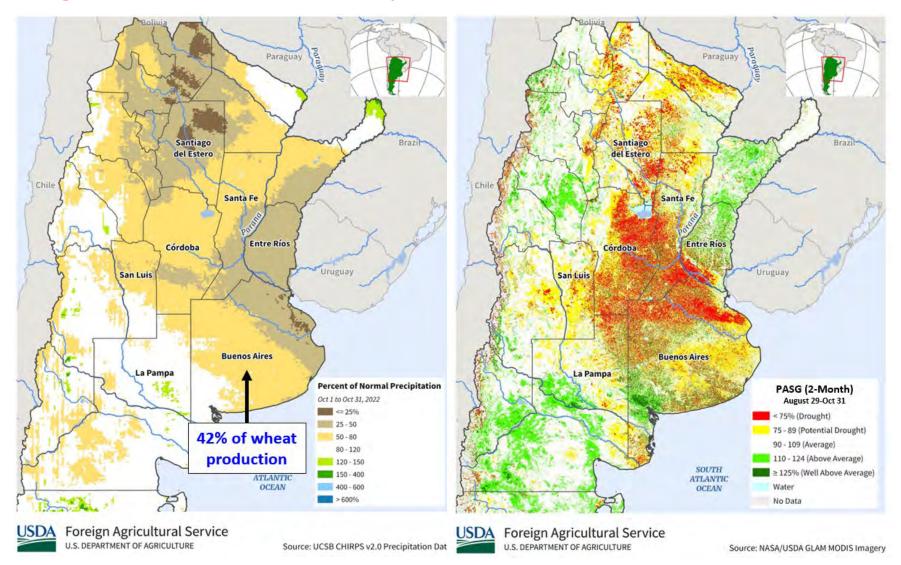
	2021/2022	2022/2023	Change from	Change from		
Country or Region	estimate	forecast	October 12	2021/2022		
	Million Tons					
World	779.4	782.7	1.0	3.2		
United States	44.8	44.9		0.1		
Foreign	734.6	737.8	1.0	3.1		
Argentina	22.2	15.5	-2.0	-6.7		
Canada	22.3	35.0		12.7		
Australia	36.3	34.5	1.5	-1.8		
European Union	138.3	134.3	-0.4	-4.0		
Turkey	16.0	17.2		1.2		
Russia	75.2	91.0		15.8		
Ukraine	33.0	20.5		-12.5		
Kazakhstan	11.8	14.0	1.0	2.2		
China	136.9	138.0		1.1		
India	109.6	103.0		-6.6		
Northwest Africa	11.2	7.6		-3.6		

⁻⁻ No change.

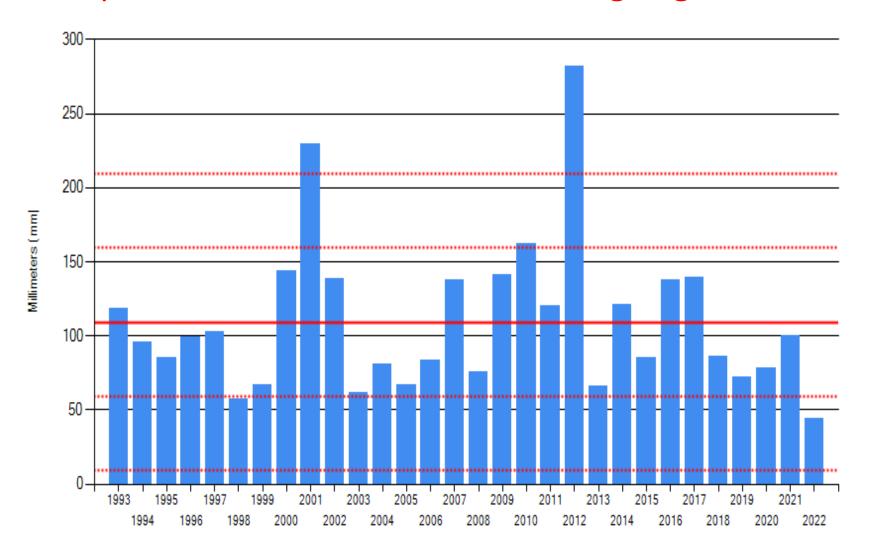
Argentina Wheat Production



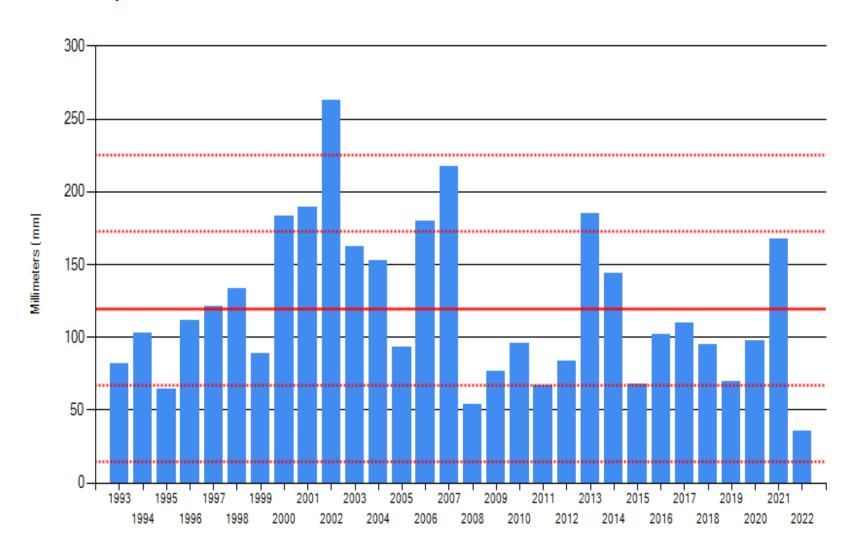
Argentina Conditions Dryer than Normal



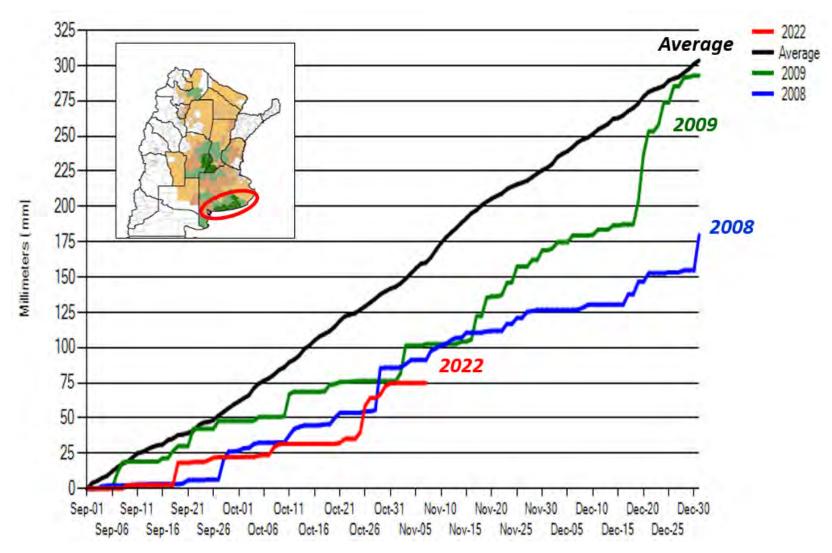
Precipitation in the Bolsa Main Growing Region



Precipitation in Southern Buenos Aries



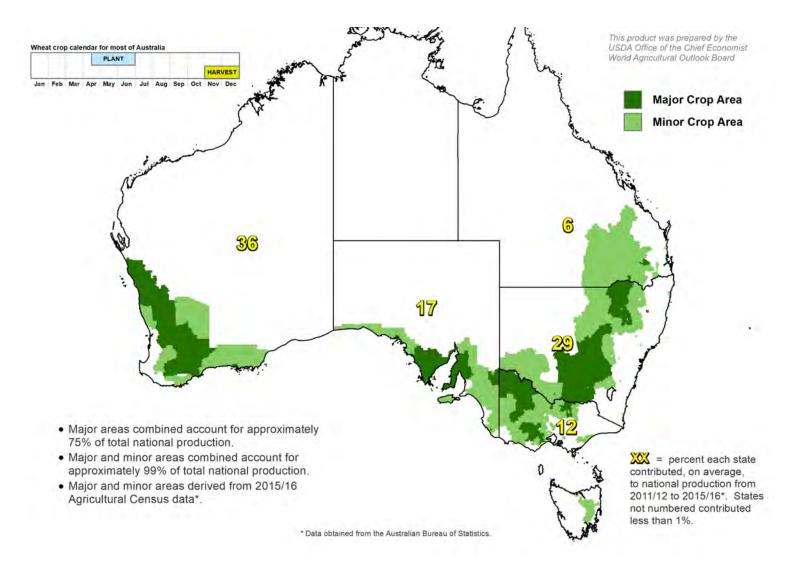
Southern B.A. Cumulative Precipitation

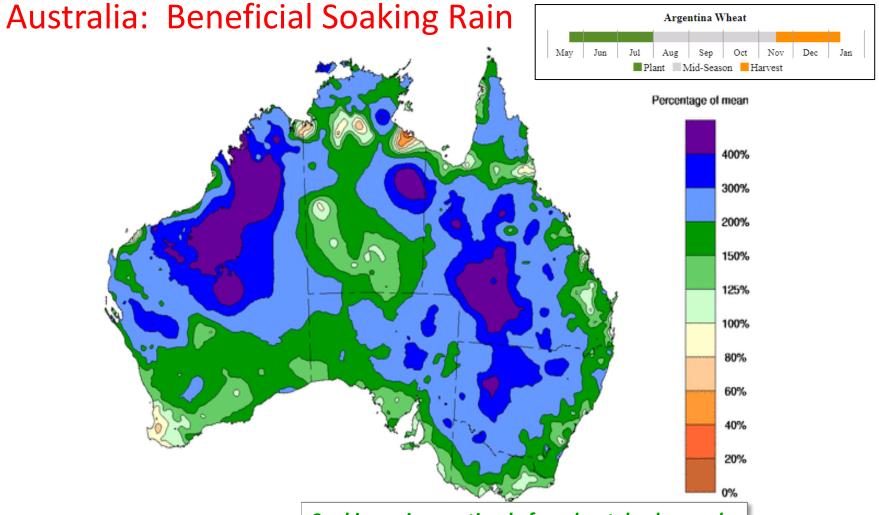


Argentina Wheat Summary

Argentina Wheat	Unit	2022/23	Previous Month	Change from Previous Month	2021/22	Change from Previous Year	5-year Average
Harvested Area	millions hectares	5.8	5.8	0%	6.55	-12%	6.3
Yield	tons per hectare	2.67	3.02	-11%	3.38	-21%	3.10
Production	millions metric tons	15.5	17.5	-11%	22.15	-30%	19.5

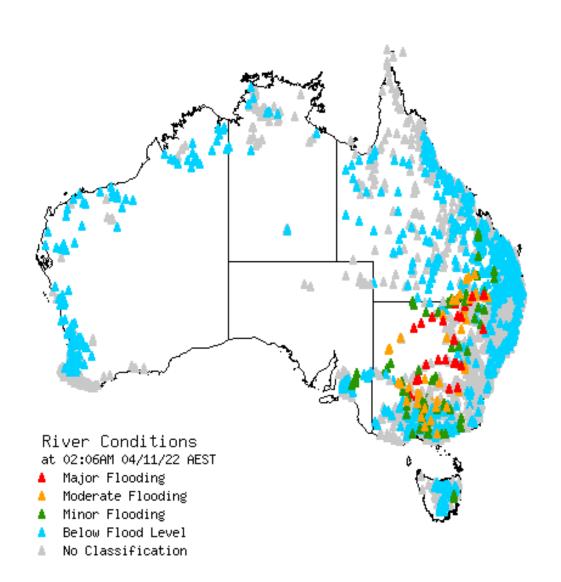
Australia Wheat Production



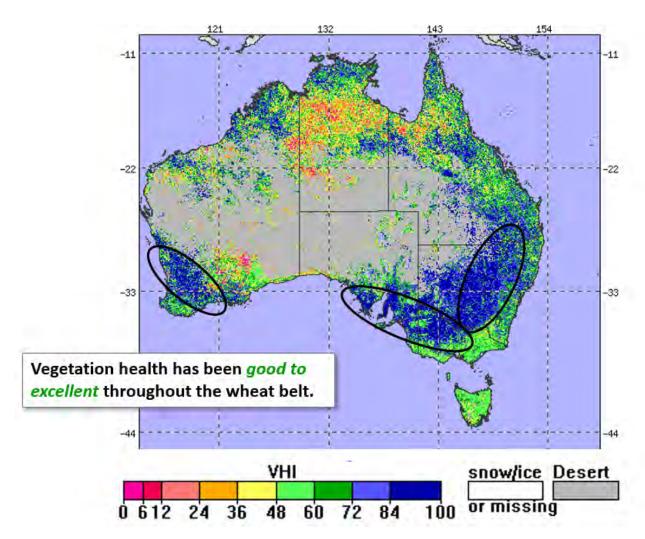


Percent of Normal Rainfall Aug – Sep – Oct (2022) Soaking rain was timely for wheat, barley, and canola as the crops approached and advanced through reproduction, although local flooding has been problematic in portions of the east.

Excess Rains in Parts of the East



Vegetative Health Index, October 28, 2022



World Wheat Supply and Use

	2021/2022	2022/2023	Change from	Change from
Item	estimate	forecast	October 12	2021/2022
	-	Milli	on Tons	·
Beginning stocks	290.7	276.3	0.3	-14.3
Production	779.4	782.7	1.0	3.2
Total Supply	1,070.1	1,059.0	1.3	-11.1
Feed use	160.9	156.4	0.9	-4.5
Total use	793.8	791.2	1.0	-2.6
Trade	202.8	208.7	0.3	5.8
Ending Stocks	276.3	267.8	0.3	-8.5

U.S. Wheat Supply and Demand

Item	2021/2022 estimate	2022/2023 forecast	Change from October 12	Change from 2021/2022	
				•	
Planted area (million acres)	46.7	45.7		-1.0	
Harvested area (million acres)	37.1	35.5		-1.7	
Yield (bushels per acre)	44.3	46.5		2.2	
		Millior	n bushels		
Beginning stocks	845	669		-176	
Production	1,646	1,650		4	
Imports	95	120		25	
Total supply	2,587	2,439		-148	
Food use	972	977	7	5	
Seed	58	66	- 2	8	
Feed and residual	88	50		-38	
Domestic use	1,117	1,093	5	-24	
Exports	800	775		-25	
Total use	1,917	1,868	5	-49	
Ending stocks	669	571	-5	-98	
-	Percent				
Stocks to use ratio	34.9	30.6	-0.4	-4.3	
		Dollars per bushel			
Average market price	7.63	9.20		1.57	

⁻⁻ No change.

World Rice Production

	2021/2022	2022/2023	Change from	Change from
Country or Region	estimate	forecast	October 12	2021/2022
		Mill	lion Tons	
World	515.1	503.7	-1.4	-11.4
United States	6.1	5.2	**	-0.9
Foreign	509.0	498.5	-1.3	-10.5
Argentina	0.8	0.8		**
Brazil	7.3	7.3		**
Egypt	2.9	3.6		0.7
Australia	0.50	0.54		**
Bangladesh	35.9	35.7		-0.2
Burma	12.4	12.5		0.1
Cambodia	5.8	5.9	**	0.2
China	149.0	147.0		-2.0
India	130.3	124.0		-6.3
Indonesia	34.4	34.6		0.2
Japan	7.7	7.5		-0.2
Sri Lanka	2.7	2.4	-0.2	-0.3
Pakistan	9.1	6.6	-0.8	-2.5
Philippines	12.5	12.4		-0.1
Thailand	19.9	20.1		0.2
Vietnam	26.9	27.2	-0.2	0.3

⁻⁻ No change. ** Rounds to zero.

World Rice Supply and Use

	2021/2022	2022/2023	Change from	Change from
Item	estimate	forecast	October 12	2021/2022
		Millic	on Tons	
Beginning stocks	187.9	183.1	-1.1	-4.8
Production	515.1	503.7	-1.4	-11.4
Total Supply	703.0	686.8	-2.5	-16.2
Total use	519.9	517.8	-0.3	-2.1
Trade	56.0	52.8	-0.4	-3.1
Ending Stocks	183.1	169.0	-2.2	-14.1

U.S. Rice Supply and Demand

	2021/2022	2022/2023	Change from	Change from	
Item	estimate	forecast	October 12	2021/2022	
Planted area (million acres)	2.53	2.22		-0.31	
Harvested area (million acres)	2.49	2.18		-0.31	
Yield (pounds per acre)	7,709	7,549	-50	-160	
		Millic	on cwt		
Beginning stocks	43.7	39.7		-4.0	
Production	191.8	164.3	-1.1	-27.4	
Imports	37.8	45.0	1.0	7.2	
Total supply	273.2	249.1	-0.1	-24.2	
Domestic use	151.4	142.0	1.0	-9.4	
Exports	82.2	71.0	-4.0	-11.2	
Total use	233.5	213.0	-3.0	-20.5	
Ending stocks	39.7	36.1	2.9	-3.7	
		Per	cent	•	
Stocks to use ratio	17.0	16.9	1.6	-0.1	
	-	Dollars per cwt			
Average market price	16.10	19.90	0.50	3.80	

⁻⁻ No change.

World Corn Production

	2021/2022	2022/2023 Change from		Change from
Country or Region	estimate	forecast	October 12	2021/2022
		Mill	lion Tons	
World	1,217.5	1,168.4	-0.4	-49.1
United States	382.9	353.8	0.9	-29.1
Foreign	834.6	814.5	-1.2	-20.0
Argentina	51.5	55.0		3.5
Brazil	116.0	126.0		10.0
Mexico	26.8	27.6		0.8
Canada	14.0	14.5		0.5
European Union	71.0	54.8	-1.4	-16.2
Serbia	6.0	5.4		-0.6
FSU-12	63.7	51.8		-11.9
Ukraine	42.1	31.5		-10.6
Russia	15.2	15.0		-0.2
South Africa	16.3	16.7	-0.6	0.4
China	272.6	274.0		1.4
India	33.6	32.0		-1.6

⁻⁻ No change.

World Corn Supply and Use

Item	2021/2022 estimate	2022/2023 forecast	Change from October 12	Change from 2021/2022
Itelli	estillate			<u> </u>
	-	Milli	on Tons	
Beginning stocks	292.8	307.7	0.7	14.9
Production	1,217.5	1,168.4	-0.4	-49.1
Total Supply	1,510.3	1,476.1	0.3	-34.2
Feed use	751.9	740.3	0.1	-11.6
Total use	1,202.6	1,175.3	0.8	-27.3
Trade	201.8	182.7	-0.3	-19.1
Ending Stocks	307.7	300.8	-0.4	-6.9

U.S. Corn Supply and Demand

Item	2021/2022 estimate	2022/2023 forecast	Change from October 12	Change from 2021/2022	
Planted area (million acres)	93.3	88.6		-4.6	
·					
Harvested area (million acres)	85.3	80.8		-4.5	
Yield (bushels per acre)	176.7	172.3	0.4	-4.4	
	•	Millior	n bushels		
Beginning stocks	1,235	1,377		142	
Production	15,074	13,930	35	-1,144	
Imports	24	50		26	
Total supply	16,333	15,357	35	-976	
Feed and residual	5,717	5,300	25	-417	
Food, seed, and industrial	6,767	6,725		-42	
Ethanol	5,326	5,275		-51	
Domestic use	12,484	12,025	25	-459	
Exports	2,471	2,150		-321	
Total use	14,956	14,175	25	-781	
Ending stocks	1,377	1,182	10	-195	
	Percent				
Stocks to use ratio	9.2	8.3	0.1	-0.9	
		Dollars per bushel			
Average market price	6.00	6.80		0.80	

⁻⁻ No change.

World Soybean Production

	2021/2022	2022/2023	Change from	Change from
Country or Region	estimate	forecast	October 12	2021/2022
		Mill	lion Tons	
World	355.6	390.5	-0.5	34.9
United States	121.5	118.3	0.9	-3.3
Foreign	234.1	272.3	-1.4	38.2
Argentina	43.9	49.5	-1.5	5.6
Brazil	127.0	152.0		25.0
Paraguay	4.2	10.0		5.8
Canada	6.3	6.5		0.2
India	11.9	11.5		-0.4
China	16.4	18.4		2.0

⁻⁻ No change.

World Soybean Supply and Use

	202	1/2022	2022/2023		
		Change from		Change from	Change from
Item	Estimate	October 12	Forecast	October 12	2021/2022
			- Million Tons		
Beginning stocks	100.0	**	94.7	2.3	-5.4
Production	355.6	-0.1	390.5	-0.5	34.9
Total Supply	455.6	-0.1	485.2	1.8	29.6
Crush	314.5	-0.2	329.3	-0.2	14.8
Total use	363.2	-0.4	380.2	-0.1	17.0
Trade	154.0	-0.2	169.1	0.3	15.1
Ending Stocks	94.7	2.3	102.2	1.7	7.5
Addendum					
Beginning stocks					
Argentina plus Brazil	54.5		47.2	0.9	-7.2
Imports*					
China	91.6	1.6	98.0		6.4

^{*}From all sources.

⁻⁻ No change. ** Rounds to zero.

U.S. Soybeans Supply and Demand

	2021/2022	2022/2023	Change from	Change from		
ltem	estimate	forecast	October 12	2021/2022		
Planted area (million acres)	87.2	87.5		0.3		
Harvested area (million acres)	86.3	86.6		0.3		
Yield (bushels per acre)	51.7	50.2	0.4	-1.6		
		Millior	bushels			
Beginning stocks	257	274		17		
Production	4,465	4,346	33	-120		
Imports	16	15		-1		
Total supply	4,738	4,634	33	-104		
Crush	2,204	2,245	10	41		
Seed and Residual	103	124	2	21		
Domestic use	2,307	2,369	12	62		
Exports	2,158	2,045		-113		
Total use	4,465	4,414	12	-50		
Ending stocks	274	220	20	-54		
	Percent					
Stocks to use ratio	6.1	5.0	0.4	-1.1		
	Dollars per bushel					
Average market price	13.30	14.00		0.70		

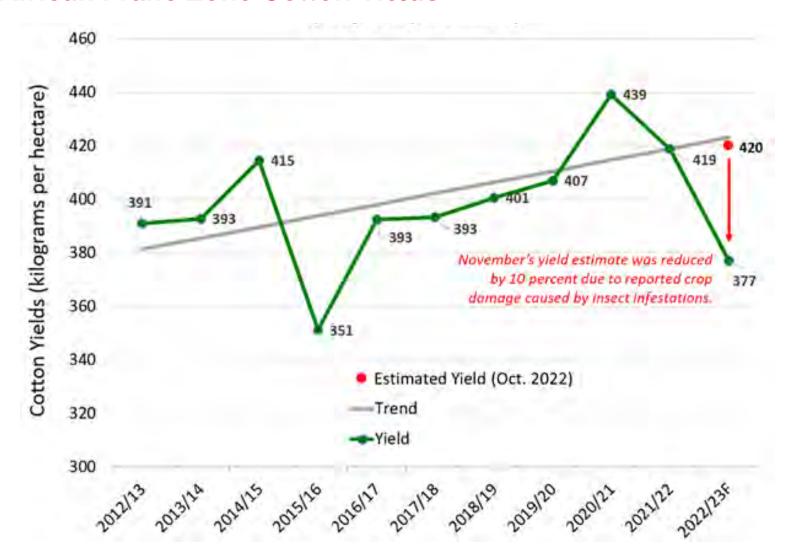
⁻⁻ No change.

World Cotton Production

	2021/2022	2022/2023	Change from	Change from
Country or Region	estimate	forecast	October 12	2021/2022
		Mill	ion bales	
World	115.8	116.4	-1.6	0.7
United States	17.5	14.0	0.2	-3.5
Foreign	98.2	102.4	-1.8	4.2
Argentina	1.5	1.4		-0.2
Brazil	11.7	13.0		1.3
Turkey	3.8	4.4		0.6
Australia	5.8	5.5	-0.5	-0.3
China	26.8	28.0		1.2
India	24.5	27.5		3.0
Pakistan	6.0	4.5	-0.7	-1.5
Uzbekistan	2.7	2.7		
Turkmenistan	0.9	0.9		
African Franc Zone	6.0	5.5	-0.6	-0.4

⁻⁻ No change.

African Franc Zone Cotton Yields



World Cotton Supply and Demand

	2021/2022	2022/2023	Change from	Change from
ltem	estimate	forecast	October 12	2021/2022
		Millio	on bales	
Beginning stocks	86.8	85.6	0.4	-1.1
Production	115.8	116.4	-1.6	0.7
Total Supply	202.5	202.1	-1.2	-0.4
Consumption	117.4	114.9	-0.7	-2.4
Trade	42.8	43.2	-0.4	0.4
Ending Stocks	85.6	87.3	-0.6	1.6
Addendum				
China ending stocks	37.3	37.2	-0.2	-0.1

World Cotton Supply and Demand

	2021/2022		2022/2023		
		Change from		Change from	Change from
Item	Estimate	October 12	Forecast	October 12	2021/2022
			- Million bales		
Beginning stocks	86.8	**	85.6	0.4	-1.1
Production	115.8	0.2	116.4	-1.6	0.7
Total Supply	202.5	0.2	202.1	-1.2	-0.4
Consumption	117.4	**	114.9	-0.7	-2.4
Trade	42.8	-0.2	43.2	-0.4	0.4
Ending Stocks	85.6	0.4	87.3	-0.6	1.6
Addendum					
China ending stocks	37.3		37.2	-0.2	-0.1

⁻⁻ No change. ** Rounds to zero.

U.S. Cotton Supply and Demand

	2021/2022	2022/2023	Change from	Change from
Item	estimate	forecast	October 12	2021/2022
Dianta di avan (millian assas)	11 22	12.70		2.50
Planted area (million acres)	11.22	13.79		2.58
Harvested area (million acres)	10.27	7.88		-2.40
Yield (pounds per acre)	819	855	13	36
	-	Millior	n bales	
Beginning stocks	3.15	3.75		0.60
Production	17.52	14.03	0.22	-3.49
Imports	0.01	0.01		
Total supply	20.68	17.79	0.22	-2.89
Mill use	2.55	2.30		-0.25
Exports	14.62	12.50		-2.12
Total use	17.17	14.80		-2.37
Unaccounted	-0.24	-0.01	0.02	0.23
Ending stocks	3.75	3.00	0.20	-0.75
		Per	cent	-
Stocks to use ratio	21.8	20.3	1.4	-1.6
		Cents pe	er pound	
Average market price	91.40	85.00	-5.00	-6.40

⁻⁻ No change.

U.S. Sugar Supply and Demand

	2021/2022		2022/2023				
		Change from		Change from	Change from		
Item	Estimate	October 12	Forecast	October 12	2021/2022		
		Thousand	 short tons,	raw value			
Beginning Stocks	1,705		1,814	41	109		
Production	9,135	18	9,086	-68	-49		
Beets	5,155	78	4,994	-111	-161		
Cane	3,979	-59	4,091	43	112		
Imports	3,646	2	3,441	-169	-204		
TRQ	1,579		1,691		113		
Re-export	298		250		-48		
Mexico	1,379	**	1,425	-194	46		
High-tier	390	2	75	25	-315		
Total Supply	14,485	20	14,341	-196	-144		
Exports	29	-6	35		6		
Domestic deliveries	12,578	-79	12,605	-25	27		
Total use	12,671	-21	12,640	-25	-31		
Ending stocks	1,814	41	1,701	-171	-113		
	Percent						
Stocks/use ratio	14.3	0.3	13.5	-1.3	-0.9		

⁻⁻ No change. ** Rounds to zero.

Mexico Sugar Supply and Demand

	202	2021/2022		2022/2023		
		Change from		Change from	Change from	
Item	Estimate	October 12	Forecast	October 12	2021/2022	
	Thousand metric tons					
Beginning Stocks	1,053		964	17	-89	
Production	6,185		5,900		-285	
Imports	31	-19	35	-15	4	
Total Supply	7,269	-19	6,899	2	-370	
Domestic Use	4,629	82	4,701	154	72	
Exports	1,676	-118	1,219	-184	-457	
Total use	6,305	-36	5,920	-30	-385	
Ending stocks	964	17	979	32	15	

⁻⁻ No change.

U.S. Meat Production and Prices

	2022					
		Change from		Change from	Change from	
Item	Forecast	October 12	Forecast	October 12	2022	
Production		L	Billion Pound	's		
Beef	28.35	0.21	26.28	-0.09	-2.07	
Pork	27.12	-0.03	27.35		0.22	
Broilers	45.97	0.08	46.83	0.20	0.85	
Turkey	5.19	-0.02	5.58	-0.03	0.39	
Total Meat	107.37	0.24	106.74	0.08	-0.63	
Prices		D	ollars per cu	/t		
Steers	144.15	1.00	155.50	2.00	11.35	
Hogs	71.33	0.25	66.75		-4.58	
	Cents per pound					
Broilers	140.9	-0.5	131.0		-9.9	
Turkey	155.4	2.5	152.8	1.8	-2.7	

⁻⁻ No change.

U.S. Meat Trade

Million Pounds

	2022		2023				
		Change from		Change from	Change from		
Item	Forecast	October 12	Forecast	October 12	2022		
			Exports				
Beef	3,542	-29	3,070		-472		
Pork	6,409	19	6,280		-129		
Broilers	7,212	44	7,370		158		
Turkey	417	13	425	10	8		
Mature chickens	30	-3	24	-4	-6		
Total Meat	17,615	45	17,173	6	-442		
		Imports					
Beef	3,376	-12	3,350		-26		

⁻⁻ No change.

U.S. Milk Supply and Demand

	2022		2023		
		Change from		Change from	
Item	Forecast	October 12	Forecast	October 12	2022
			Billion pound	ds	
Production	227.0	0.1	229.2	**	2.2
Fat Basis					
Imports	7.0	-0.2	7.1	-0.1	0.1
Domestic Use	220.0	0.4	221.6	0.5	1.7
Exports	13.1	-0.4	12.7	0.1	-0.4
Skim-solid Basis					
Imports	6.4	**	6.0	**	-0.4
Domestic Use	179.8	0.7	181.8	0.2	2.0
Exports	52.4	0.2	52.5	0.3	0.1

^{**} Rounds to zero.

U.S. Dairy Product Prices

	2022		2023		
		Change from		Change from	Change from
ltem	Forecast	October 12	Forecast	October 12	2022
Product prices		D	ollars per po	und	
Cheese	2.10	-0.01	1.97	-0.01	-0.13
Butter	2.84	-0.04	2.45	0.02	-0.39
Nonfat dry milk	1.68	-0.01	1.41	-0.09	-0.27
Dry whey	0.60	**	0.48		-0.12
Class prices			Dollars per c	wt	
Class III	21.80	-0.10	19.65	-0.15	-2.15
Class IV	24.30	-0.30	20.35	-0.65	-3.95
All milk	25.50	-0.10	22.60	-0.30	-2.90

⁻⁻ No change. ** Rounds to zero.

U.S. Production Summary

	202:	1/2022		2022/2023	
		Change from		Change from	Change from
Item	Estimate	October 12	Forecast	October 12	2021/2022
Crops and Products					
Wheat (million bushels)	1,646		1,650		4
Rice (million cwt)	191.8		164.3	-1.1	-27.4
Corn (million bushels)	15,074		13,930	35	-1,144
Sorghum (million bushels)	448		236	- 9	-212
Barley (million bushels)	120		174		54
Oats (million bushels)	40		58		18
Soybeans (million bushels)	4,465		4,346	33	-120
Soybean oil (million pounds)	26,143	-22	26,310	115	167
Soybean meal (thousand s.t.)	51,811	-24	52,839	239	1,029
Cotton (million bales)	17.52		14.03	0.22	-3.49
Sugar (thousand s.t., raw value)	9,135	18	9,086	-68	-49
Milk (billion pounds)	227.0	0.1	229.2		2.2
Meat (billion pounds)					
Beef	28.35	0.21	26.28	-0.09	-2.07
Pork	27.12	-0.03	27.35		0.22
Broilers	45.97	0.08	46.83	0.20	0.85
Turkey	5.19	-0.02	5.58	-0.03	0.39
Total Meat	107.37	0.24	106.74	0.08	-0.63

⁻⁻ No change.

U.S. Domestic Consumption Summary

	2021/2022		2022/2023		
		Change from		Change from	Change from
Item	Estimate	October 12	Forecast	October 12	2021/2022
Crops and Products					
Wheat (million bushels)	1,117		1,093	5	-24
Rice (million cwt)	151.4		142.0	1.0	-9.4
Corn (million bushels)	12,484		12,025	25	-459
Sorghum (million bushels)	121		90		-31
Barley (million bushels)	157		160		3
Oats (million bushels)	125		141		16
Soybeans (million bushels)	2,307		2,369	12	62
Soybean oil (million pounds)	24,805	30	25,650	150	845
Soybean meal (thousand s.t.)	38,966	166	39,700	250	734
Cotton (million bales)	2.55		2.30		-0.25
Sugar (thousand s.t., raw value)	12,578	-79	12,605	-25	27
Milk (billion pounds, fat basis)	220.0	0.4	221.6	0.5	1.7
Meat (Billion pounds)					
Beef	28.19	0.23	26.71	-0.09	-1.48
Pork	22.06	-0.09	22.46	-0.11	0.40
Broilers	38.33	0.02	39.16	0.21	0.83
Turkey	4.86	-0.03	5.25	-0.03	0.39
Total Meat	94.52	0.13	94.65	**	0.14

⁻⁻ No change. ** Rounds to zero.

U.S. Export Summary

	202	1/2022	2022/2023		
		Change from		Change from	Change from
Item	Estimate	October 12	Forecast	October 12	2021/2022
Crops and Products					
Wheat (million bushels)	800		775		-25
Rice (million cwt)	82.2		71.0	-4.0	-11.2
Corn (million bushels)	2,471		2,150		-321
Sorghum (million bushels)	294		175	-10	-119
Soybeans (million bushels)	2,158		2,045		-113
Soybean oil (million pounds)	1,773	-2	1,300	-100	-473
Soybean meal (thousand s.t.)	13,524	-76	13,700		176
Cotton (million bales)	14.62		12.50		-2.12
Meat (Million lbs)					
Beef	3,542	-29	3,070		-472
Pork	6,409	19	6,280		-129
Broilers	7,212	44	7,370		158
Turkey	417	13	425	10	8
Mature Chickens	30	-3	24	-4	-6
Total Meat	17,615	45	17,173	6	-442

-- No change.

Price Summary

	202:	1/2022	2022/2023			
		Change from		Change from	Change from	
Item	Estimate	October 12	Forecast	October 12	2021/2022	
Crops and products						
Wheat (\$/bu)	7.63		9.20		1.57	
Rice (\$/cwt)	16.10	0.40	19.90	0.50	3.80	
Corn (\$/bu)	6.00		6.80		0.80	
Soybeans (\$/bu)	13.30		14.00		0.70	
Soybean oil (¢/lb)	72.98		69.00		-3.98	
Soybean meal (\$/s.t.)	440		400	10	-40	
Cotton (¢/lb)	91.40		85.00	-5.00	-6.40	
Livestock	31.40		85.00	-5.00	-0.40	
	144 15	1.00	155 50	2.00	11 25	
Steers (\$/cwt)	144.15	1.00	155.50	2.00	11.35	
Hogs (\$/cwt)	71.33	0.25	66.75		-4.58	
Broilers (¢/lb)	140.9	-0.5	131.0		-9.9	
Turkeys (¢/lb)	155.4	2.5	152.8	1.8	-2.7	
Dairy products						
Cheese (\$/lb)	2.10	-0.01	1.97	-0.01	-0.13	
Butter (\$/lb)	2.84	-0.04	2.45	0.02	-0.39	
Nonfat dry milk (\$/lb)	1.68	-0.01	1.41	-0.09	-0.27	
Dry whey (\$/lb)	0.60	**	0.48		-0.12	
Milk classes						
Class III (\$/cwt)	21.80	-0.10	19.65	-0.15	-2.15	
Class IV (\$/cwt)	24.30	-0.30	20.35	-0.65	-3.95	
All milk (\$/cwt)	25.50	-0.10	22.60	-0.30	-2.90	

⁻⁻ No change. ** Rounds to zero.