

World Agricultural Supply and Demand Estimates
Report of March 8, 2024

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

March 2024 Highlights

- Brazil soybeans: Harvest is advancing rapidly. Production is trimmed slightly as poor conditions in some regions offset favorable conditions in others.
- India rice: Production is raised as higher area offsets lower yields.
- South Africa corn: Heat and dryness in February reduce yield prospects.

World Wheat Production

	2022/2023	2023/2024	Change from	Change from
Country or Region	estimate	forecast	February 8	2022/2023
		Mil	lion Tons	
World	789.2	786.7	1.0	-2.5
United States	44.9	49.3		4.4
Foreign	744.3	737.4	1.0	-6.9
Argentina	12.6	15.9	0.4	3.3
Canada	34.3	32.0		-2.4
Australia	40.5	26.0	0.5	-14.5
European Union	134.2	133.6	-0.4	-0.5
Turkey	17.2	19.5		2.2
Russia	92.0	91.5	0.5	-0.5
Ukraine	21.5	23.4		1.9
Kazakhstan	16.4	12.1		-4.3
China	137.7	136.6		-1.1
India	104.0	110.6		6.6
Northwest Africa	7.5	7.7		0.1

⁻⁻ No change.

World Wheat Supply and Use

_	2022/2023	2023/2024	Change from	Change from
Item	estimate	forecast	February 8	2022/2023
	-	Milli	on Tons	
Beginning stocks	272.8	271.1	-0.1	-1.7
Production	789.2	786.7	1.0	-2.5
Total Supply	1,061.9	1,057.8	0.8	-4.1
Feed use	154.0	162.1	1.6	8.1
Total use	790.8	799.0	1.5	8.2
Trade	220.2	212.1	1.4	-8.0
Ending Stocks	271.1	258.8	-0.6	-12.3

U.S. Wheat Supply and Demand

Item	2022/2023 estimate	2023/2024 forecast	Change from February 8	Change from 2022/2023	
Planted area (million acres)	45.8	49.6		3.8	
Harvested area (million acres)	35.5	37.3		1.8	
Yield (bushels per acre)	46.5	48.6		2.1	
		Millior	bushels		
Beginning stocks	674	570		-105	
Production	1,650	1,812		162	
Imports	122	145		23	
Total supply	2,446	2,527		81	
Food use	973	960		-13	
Seed	68	64		-4	
Feed and residual	77	120		43	
Domestic use	1,118	1,144		26	
Exports	759	710	-15	-49	
Total use	1,876	1,854	-15	-22	
Ending stocks	570	673	15	103	
		Percent			
Stocks to use ratio	30.4	36.3	1.1	5.9	
		Dollars per bushel			
Average market price	8.83	7.15	-0.05	-1.68	

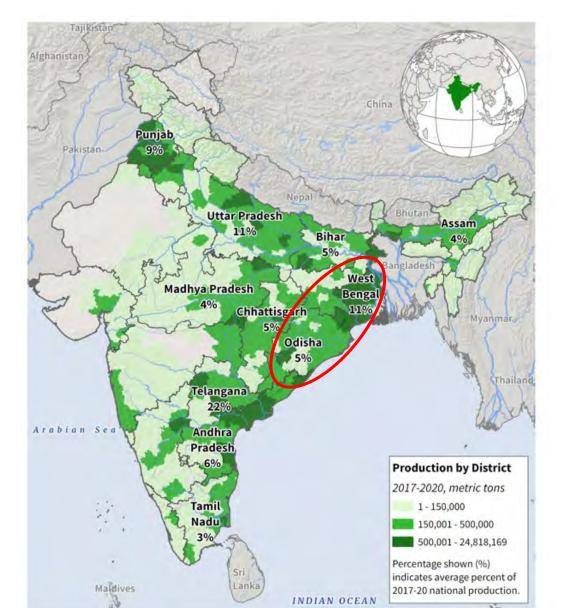
⁻⁻ No change.

World Rice Production

	2022/2023	2023/2024	Change from	Change from		
Country or Region	estimate	forecast	February 8	2022/2023		
	Million Tons					
World	514.6	515.4	1.7	0.8		
United States	5.1	6.9		1.8		
Foreign	509.5	508.5	1.7	-1.0		
Argentina	0.8	0.9		0.1		
Brazil	6.8	7.5		0.7		
Egypt	3.6	3.8		0.2		
Australia	0.37	0.40	-0.12	**		
Bangladesh	36.4	36.3		-0.1		
Burma	11.8	11.9		0.1		
Cambodia	5.9	6.0		0.1		
China	145.9	144.6		-1.3		
India	135.8	134.0	2.0	-1.8		
Indonesia	34.0	33.5		-0.5		
Japan	7.5	7.3		-0.2		
Sri Lanka	2.8	3.3		0.5		
Pakistan	7.3	9.0		1.7		
Philippines	12.6	12.3	-0.2	-0.3		
Thailand	20.9	20.0		-0.9		
Vietnam	26.9	27.0		0.1		

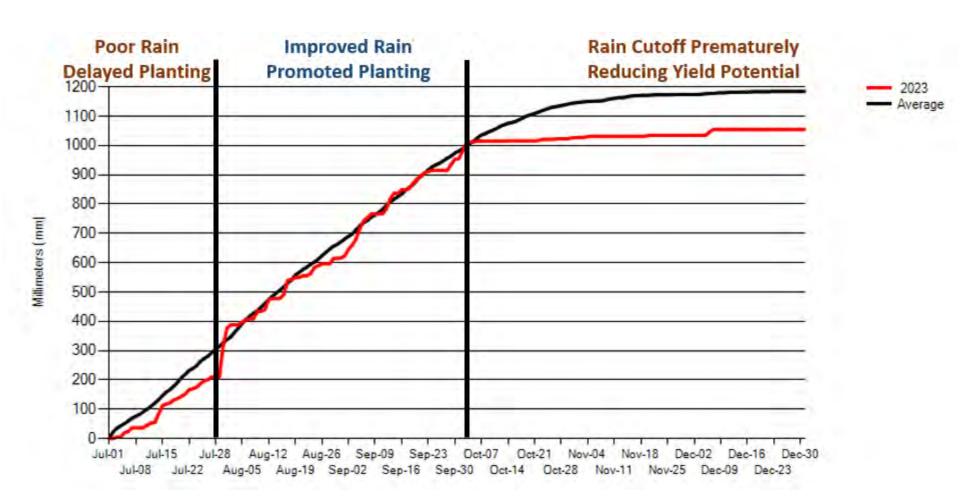
⁻⁻ No change. ** Rounds to zero.

India Rice Production



- Three main crops: Kharif (70%) and Rabi/Summer (30%)
- Poor rainfall delayed planting of Kharif crop in rainfed areas, but abundant rains in August encouraged higher planted area.
- Premature end to the rainy season in October trimmed yield potential.

Cumulative Precipitation Orissa-S West Bengal



Summary: India Rice

India Rice	Unit	2023/24	Previous Month	Change from Previous Month	2022/23	Change from Previous Year	5-year Average
Harvested Area	millions hectares	48.0	47.0	+2%	47.8	+1%	45.5
Yield (rough)	tons per hectare	4.19	4.21	-1%	4.26	-2%	4.12
Production (milled)	millions metric tons	134.0	132.0	+2%	135.76	-1%	124.99

World Rice Supply and Use

Item	2022/2023 estimate	2023/2024 forecast	Change from February 8	Change from 2022/2023
		Millic	on Tons	
Beginning stocks	182.8	177.2	0.8	-5.6
Production	514.6	515.4	1.7	0.8
Total Supply	697.3	692.6	2.5	-4.8
Total use	520.2	522.9	**	2.7
Trade	54.3	52.6	1.0	-1.7
Ending Stocks	177.2	169.7	2.5	-7.5

^{**} Rounds to zero.

U.S. Rice Supply and Demand

	2022/2023	2023/2024	Change from	Change from	
Item	estimate	forecast	February 8	2022/2023	
Planted area (million acres)	2.22	2.89		0.68	
Harvested area (million acres)	2.17	2.85		0.69	
Yield (pounds per acre)	7,385	7,649		264	
		Millio	on cwt		
Beginning stocks	39.7	30.3		-9.5	
Production	160.0	218.3		58.3	
Imports	39.9	43.0		3.1	
Total supply	239.7	291.5		51.9	
Domestic use	145.1	162.0		16.9	
Exports	64.3	88.0	1.0	23.7	
Total use	209.4	250.0	1.0	40.6	
Ending stocks	30.3	41.5	-1.0	11.3	
		Per	cent		
Stocks to use ratio	14.4	16.6	-0.5	2.2	
	-	Dollars per cwt			
Average market price	19.80	18.80	0.40	-1.00	

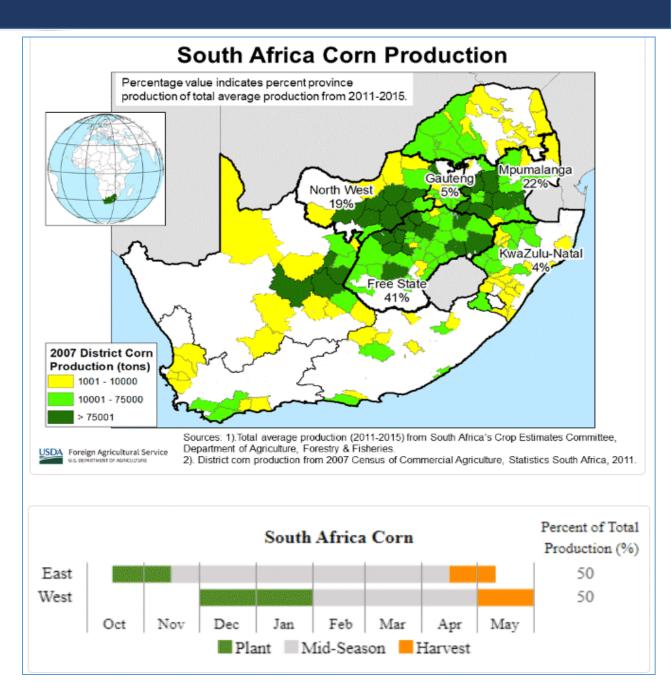
⁻⁻ No change.

World Corn Production

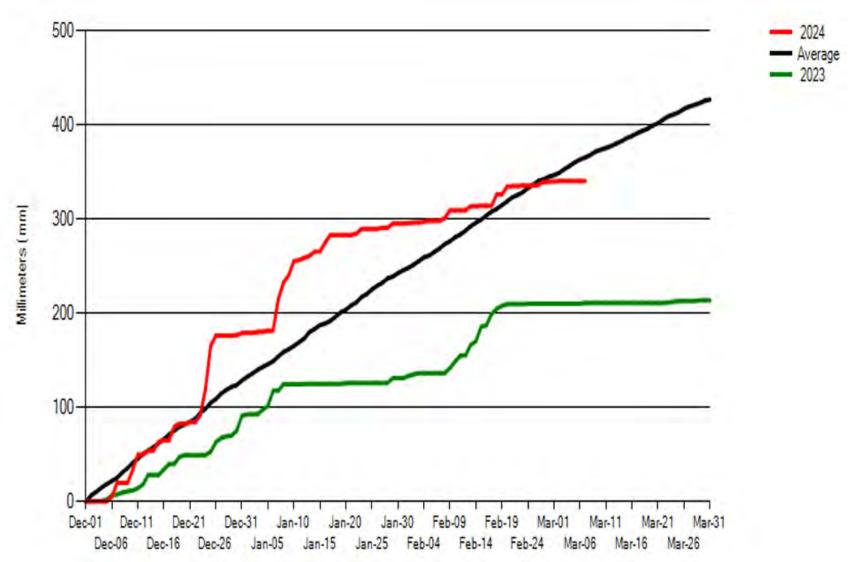
	2022/2023		2023/2024			
		Change from		Change from	Change from	
Country or Region	Estimate	February 8	Forecast	February 8	2022/2023	
			Million Tons -			
World	1,157.5	1.6	1,230.2	-2.3	72.7	
United States	346.7		389.7		43.0	
Foreign	810.8	1.6	840.5	-2.3	29.8	
Argentina	36.0	1.0	56.0	1.0	20.0	
Brazil	137.0		124.0		-13.0	
Mexico	28.1		24.0	-1.0	-4.1	
Canada	14.5		15.1		0.5	
European Union	52.4		60.1		7.7	
Serbia	4.3		6.6		2.3	
FSU-12	47.7		52.6	-1.1	4.9	
Ukraine	27.0		29.5	-1.0	2.5	
Russia	15.8		16.6	-0.4	0.8	
South Africa	17.1		15.5	-1.3	-1.6	
China	277.2		288.8		11.6	
India	38.1		35.5		-2.6	

⁻⁻ No change.

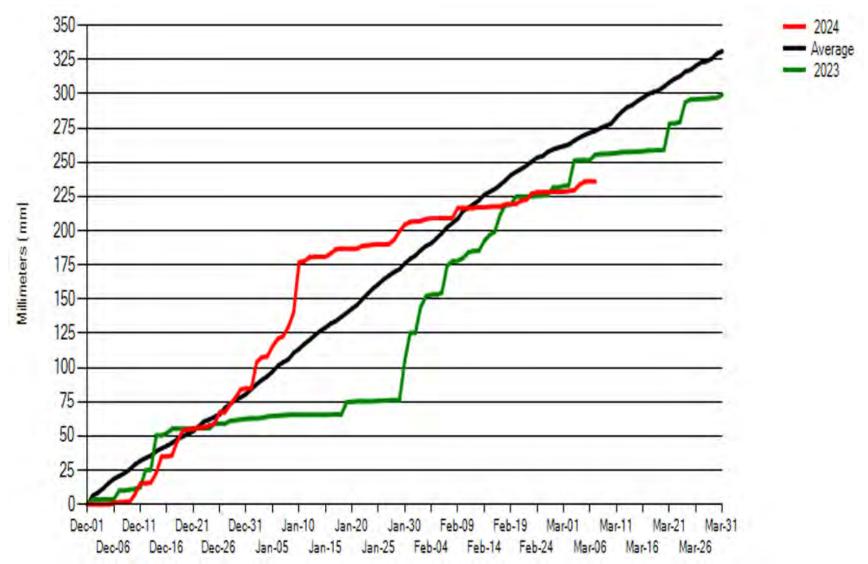
South Africa Corn Production



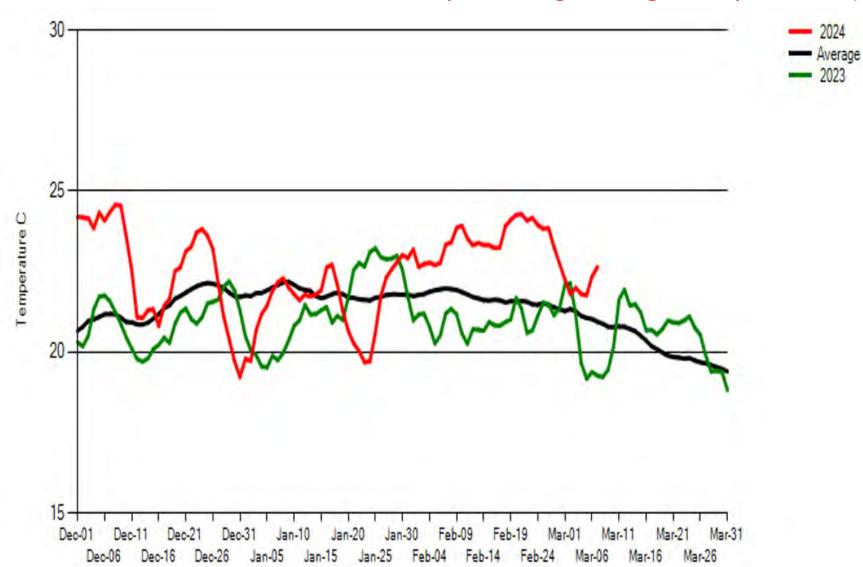
South Africa: Central Corn Belt Cumulative Precipitation (mm)



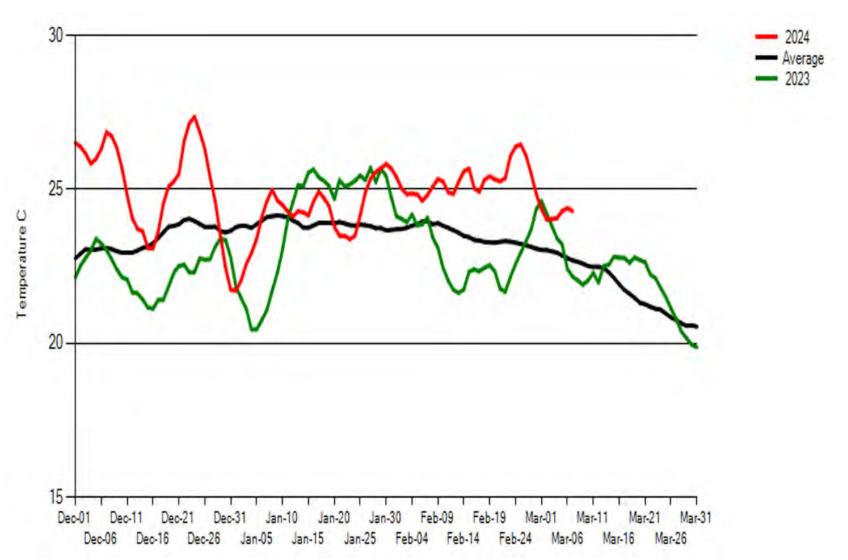
South Africa: Western Corn Belt Cumulative Precipitation (mm)



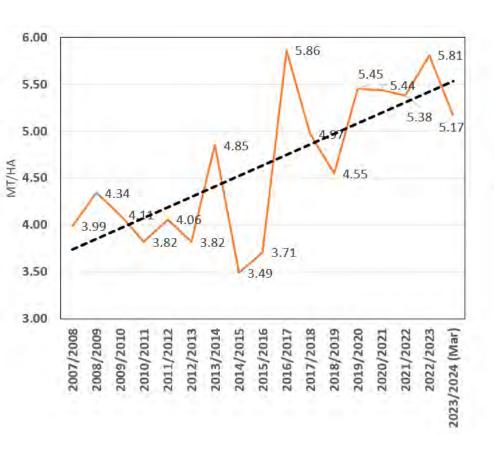
South Africa: Central Corn Belt 7-Day Running Average Temperature (°C)

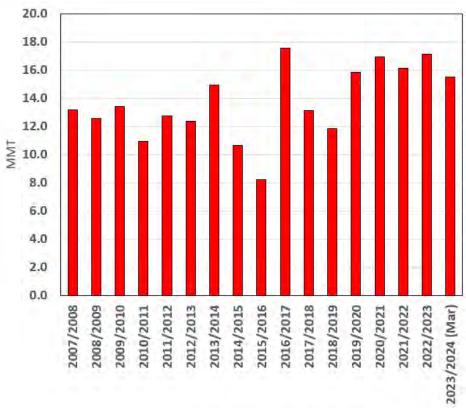


South Africa: Western Corn Belt 7-Day Running Average Temperature (°C)



South Africa Corn Yield and Production





World Corn Supply and Use

	2022/2023		2023/2024		
		Change from		Change from	Change from
Item	Estimate	February 8	Forecast	February 8	2022/2023
			Million Tons		
Beginning stocks	310.6	0.1	301.6	1.4	-9.0
Production	1,157.5	1.6	1,230.2	-2.3	72.7
Total Supply	1,468.2	1.7	1,531.9	-1.0	63.7
Feed use	729.6	1.1	761.6	-0.1	32.0
Total use	1,166.6	0.4	1,212.2	1.5	45.7
Trade	180.2	-0.8	202.3	1.4	22.1
Ending Stocks	301.6	1.4	319.6	-2.4	18.0

U.S. Corn Supply and Demand

Item	2022/2023 estimate	2023/2024 forecast	Change from February 8	Change from 2022/2023	
Planted area (million acres)	88.2	94.6		6.5	
Harvested area (million acres)	78.7	86.5		7.8	
Yield (bushels per acre)	173.4	177.3		3.9	
		Millior	bushels		
Beginning stocks	1,377	1,360		-17	
Production	13,651	15,342		1,691	
Imports	39	25		-14	
Total supply	15,066	16,727		1,661	
Feed and residual	5,487	5,675		188	
Food, seed, and industrial	6,558	6,780		222	
Ethanol	5,176	5,375		199	
Domestic use	12,045	12,455		410	
Exports	1,661	2,100		439	
Total use	13,706	14,555		849	
Ending stocks	1,360	2,172		812	
		Percent			
Stocks to use ratio	9.9	14.9		5.0	
		Dollars per bushel			
Average market price	6.54	4.75	-0.05	-1.79	

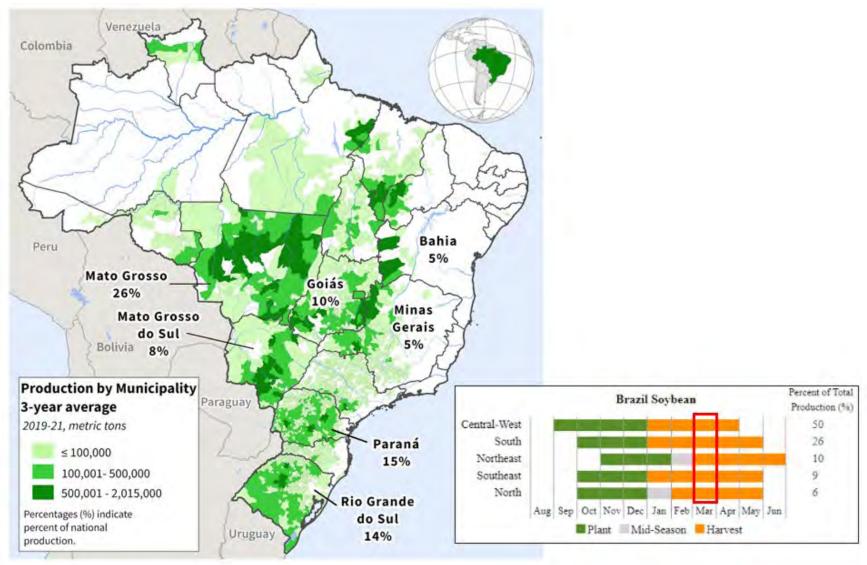
⁻⁻ No change.

World Soybean Production

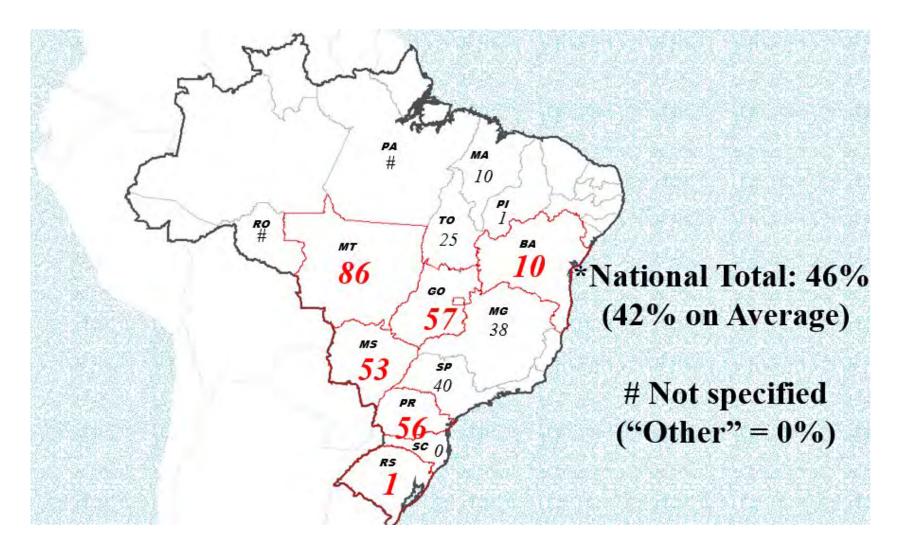
Country or Region	2022/2023 estimate	2023/2024 forecast	Change from February 8	Change from 2022/2023
Country of Region			lion Tons	<u> </u>
World	378.1	396.8	-1.4	18.8
United States	116.2	113.3		-2.9
Foreign	261.8	283.5	-1.4	21.7
Argentina	25.0	50.0		25.0
Brazil	162.0	155.0	-1.0	-7.0
Paraguay	10.1	10.3		0.2
Canada	6.5	7.0		0.4
India	12.4	11.0		-1.4
China	20.3	20.8		0.6

⁻⁻ No change.

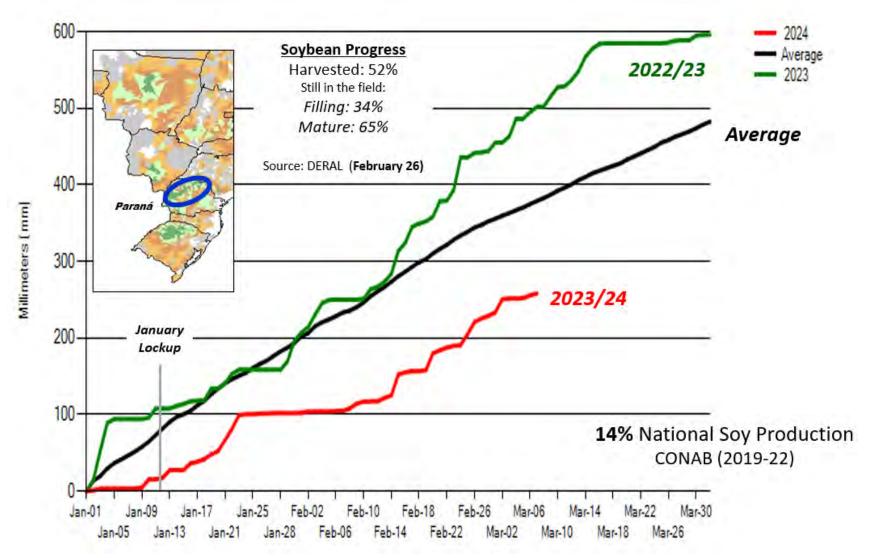
Brazil Soybean Production



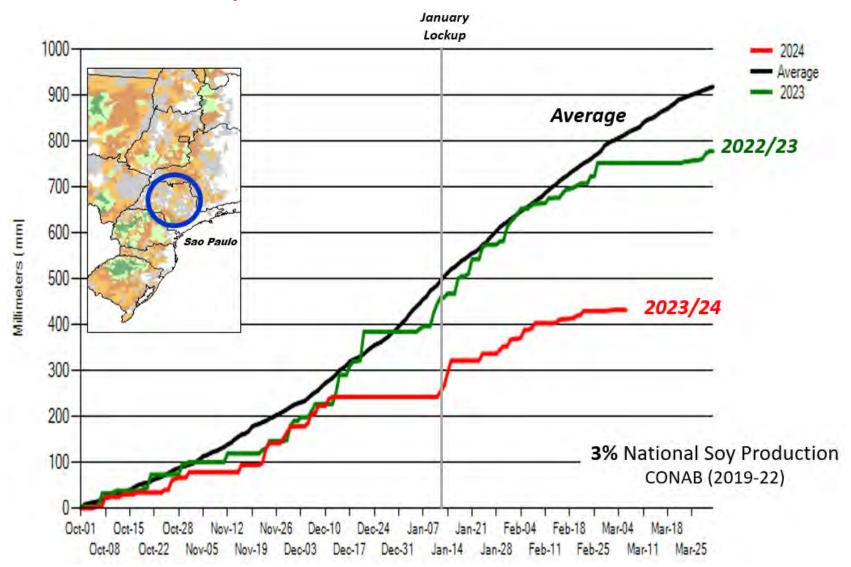
Brazil Soybeans: Harvest Progress (%) March 1, 2024



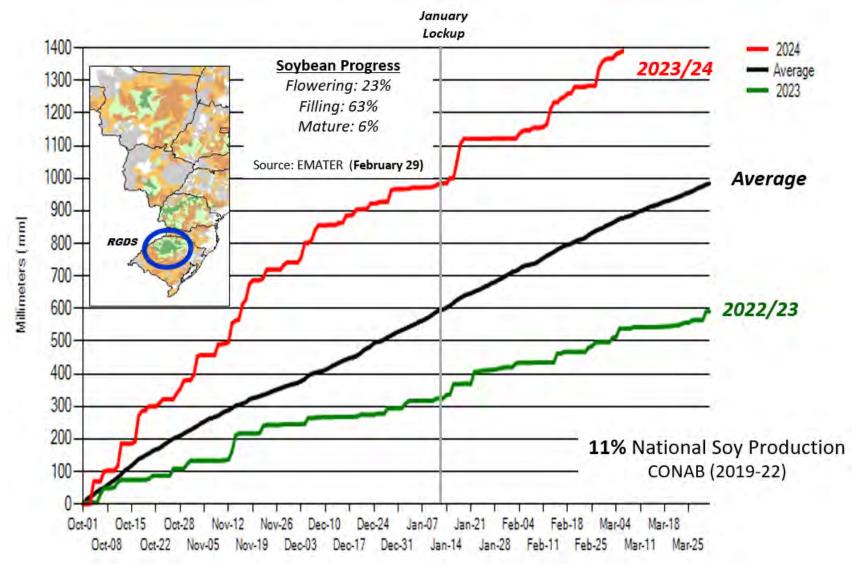
Cumulative Precipitation: Paraná



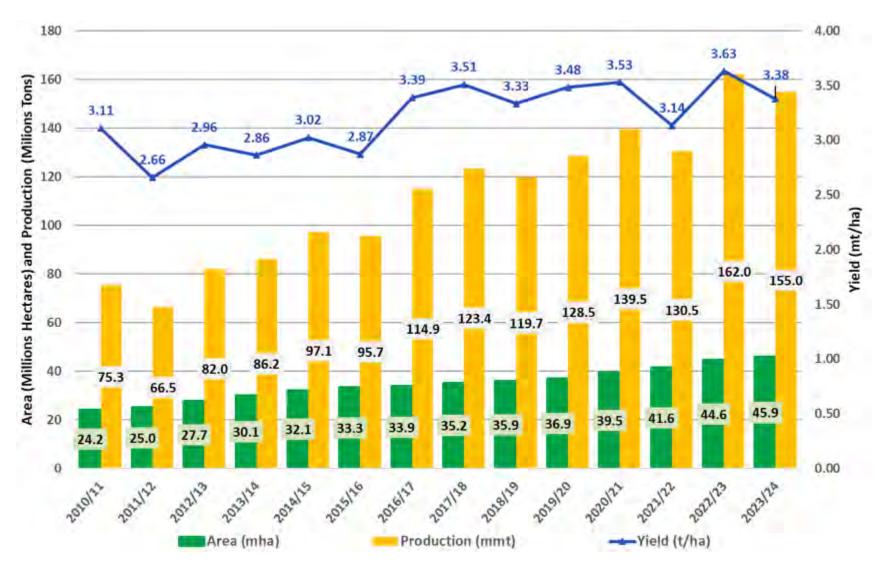
Cumulative Precipitation: Central Sao Paulo



Cumulative Precipitation: Rio Grande Do Sul



Brazil Soybean Area, Yield, and Production



World Soybean Supply and Use

	202	2/2023		2023/2024	
		Change from		Change from	Change from
Item	Estimate	February 8	Forecast	February 8	2022/2023
			- Million Tons -		
Beginning stocks	93.9	-4.1	102.1	-1.4	8.2
Production	378.1	**	396.8	-1.4	18.8
Total Supply	472.0	-4.1	499.0	-2.8	27.0
Crush	315.2	1.0	328.2	-1.1	13.0
Total use	365.9	1.0	381.9	-1.1	16.0
Trade	172.0	**	173.6	3.0	1.7
Ending Stocks	102.1	-1.4	114.3	-1.8	12.1
Addendum					
Beginning stocks					
Argentina plus Brazil	51.5		54.6		3.1
Imports*					
China	104.5	3.7	105.0	3.0	0.5

^{*}From all sources.

⁻⁻ No change. ** Rounds to zero.

U.S. Soybeans Supply and Demand

Item	2022/2023 estimate	2023/2024 forecast	Change from February 8	Change from 2022/2023
Planted area (million acres)	87.5	83.6		-3.9
Harvested area (million acres)	86.2	82.4		-3.8
Yield (bushels per acre)	49.6	50.6		1.0
		Millior	n bushels	
Beginning stocks	274	264		-10
Production	4,270	4,165		-106
Imports	25	30		5
Total supply	4,569	4,459		-110
Crush	2,212	2,300		88
Seed and Residual	101	124		23
Domestic use	2,313	2,424		111
Exports	1,992	1,720		-272
Total use	4,305	4,144		-161
Ending stocks	264	315		51
		Pe	rcent	
Stocks to use ratio	6.1	7.6		1.5
		Dollars	per bushel	
Average market price	14.20	12.65		-1.55

⁻⁻ No change.

U.S. Soybean Meal Supply and Demand

	2022/2023	2023/2024	Change from	Change from	
Item	estimate	forecast	February 8	2022/2023	
		Thousand	d short tons		
Beginning stocks	311	371		60	
Production	52,493	54,254	100	1,761	
Imports	632	600		-32	
Total supply	53,436	55,225	100	1,789	
Domestic use	38,402	39,025	-400	623	
Exports	14,664	15,800	500	1,136	
Total use	53,065	54,825	100	1,760	
Ending stocks	371	400		29	
	Dollars per short ton				
Average market price	452	380		-72	

⁻⁻ No change.

World Cotton Production

	2022/2023	2023/2024	Change from	Change from
Country or Region	estimate	forecast	February 8	2022/2023
		Mill	ion bales	
World	116.3	113.0	0.1	-3.3
United States	14.5	12.1	-0.3	-2.4
Foreign	101.8	100.9	0.5	-0.9
Argentina	1.2	1.6	-0.1	0.4
Brazil	11.7	14.6		2.8
Turkey	4.9	3.2		-1.7
Australia	5.8	4.8		-1.0
China	30.7	27.5		-3.2
India	26.3	25.5	0.5	-0.8
Pakistan	3.9	6.7		2.8
Uzbekistan	3.3	2.9		-0.4
Turkmenistan	0.9	0.9		
African Franc Zone	4.0	4.9		0.9

⁻⁻ No change.

World Cotton Supply and Demand

	2022/2023	2023/2024	Change from	Change from
Item	estimate	forecast	February 8	2022/2023
		Millio	on bales	
Beginning stocks	76.4	83.0		6.5
Production	116.3	113.0	0.1	-3.3
Total Supply	192.7	195.9	0.1	3.2
Consumption	111.2	112.9	0.5	1.8
Trade	37.0	43.3	0.4	6.3
Ending Stocks	83.0	83.3	-0.4	0.4
0 4 4 5 15 4 1 1 15				
Addendum				
China ending stocks	37.4	40.3	0.4	2.9

⁻⁻ No change.

U.S. Cotton Supply and Demand

	2022/2023	2023/2024	Change from	Change from
Item	estimate	forecast	February 8	2022/2023
Planted area (million acres)	13.75	10.23		-3.52
Harvested area (million acres)	7.29	7.06		-0.23
Yield (pounds per acre)	953	822	-23	-131
	-	Million	n bales	
Beginning stocks	4.05	4.25		0.20
Production	14.47	12.10	-0.33	-2.37
Imports	0.00	0.01		**
Total supply	18.52	16.36	-0.33	-2.17
Mill use	2.05	1.75		-0.30
Exports	12.77	12.30		-0.47
Total use	14.82	14.05		-0.77
Unaccounted	-0.55	-0.20	-0.03	0.35
Ending stocks	4.25	2.50	-0.30	-1.75
		Per	cent	-
Stocks to use ratio	28.7	17.8	-2.1	-10.9
		Cents pe	er pound	
Average market price	84.80	77.00		-7.80

⁻⁻ No change. **Rounds to zero.

Mexico Sugar Supply and Demand

	2022/2023	2023/2024	Change from	Change from	
Item	estimate	forecast	February 8	2022/2023	
	Thousand metric tons				
Beginning Stocks	964	835		-129	
Production	5,224	4,747	-128	-477	
Imports	285	494	-52	210	
Total Supply	6,473	6,077	-180	-396	
Domestic Use	4,627	4,593	-55	-34	
Exports	1,011	595	-114	-416	
Total use	5,638	5,188	-169	-450	
Ending stocks	835	889	-11	54	

⁻⁻ No change.

U.S. Sugar Supply and Demand

	2022/2023	2023/2024	Change from	Change from		
Item	estimate	forecast	February 8	2022/2023		
		Thousand shor	t tons, raw value	?		
Beginning Stocks	1,820	1,843	<u></u>	22		
Production	9,250	9,243	-109	-8		
Beets	5,187	5,172	-156	-16		
Cane	4,063	4,071	47	8		
Imports	3,614	3,331	5	-284		
TRQ	1,862	1,750	138	-112		
Re-export	141	200		59		
Mexico	1,156	666	-133	-490		
High-tier	455	715	**	260		
Total Supply	14,685	14,416	-105	-269		
Exports	82	160		78		
Domestic deliveries	12,589	12,555		-34		
Total use	12,843	12,715		-128		
Ending stocks	1,843	1,701	-105	-142		
<u> </u>	Percent					
Stocks/use ratio	14.3	13.4	-0.8	-1.0		

⁻⁻ No change. ** Rounds to zero.

U.S. Meat Production and Prices

	2023	2024	Change from	Change from		
Item	forecast	forecast	February 8	2023		
Production		Billio	n Pounds	-		
Beef	26.96	26.33	0.14	-0.64		
Pork	27.30	27.91	0.03	0.61		
Broilers	46.39	46.88	0.10	0.49		
Turkey	5.46	5.37	-0.03	-0.09		
Total Meat	106.87	107.23	0.25	0.36		
Prices		Dolla	rs per cwt			
Steers	175.54	182.50	2.50	6.97		
Hogs	58.59	60.75	1.00	2.16		
		Cents per pound				
Broilers	124.4	127.3		2.9		
Turkey	140.1	108.3	1.0	-31.8		

⁻⁻ No change.

U.S. Meat Trade

Million Pounds

	2023	2024	Change from	Change from	
Item	forecast	forecast	February 8	2023	
		Exports			
Beef	3,038	2,785		-253	
Pork	6,818	7,130	50	312	
Broilers	7,265	7,165	-50	-100	
Turkey	489	520	5	31	
Total Meat	17,635	17,623	5	-12	
		Imports			
Beef	3,727	4,175	50	448	

⁻⁻ No change.

U.S. Milk Supply and Demand

	2023	2024	Change from	Change from
Item	forecast	forecast	February 8	2023
		Billio	n pounds	_
Production	226.4	227.3	-0.9	0.9
Fat Basis				
Imports	7.4	7.7	0.3	0.3
Domestic Use	222.8	224.7	**	1.9
Exports	10.6	11.1	-0.5	0.5
Skim-solid Basis				
Imports	6.3	6.7	0.3	0.4
Domestic Use	183.5	183.4	1.4	-0.1
Exports	49.9	50.0	-1.9	0.1

^{**} Rounds to zero.

U.S. Dairy Product Prices

	2023	2024	Change from	Change from
Item	forecast	forecast	February 8	2023
Product prices		Dollars	per pound	
Cheese	1.76	1.71	0.02	-0.05
Butter	2.62	2.80	0.03	0.18
Nonfat dry milk	1.19	1.21	-0.02	0.03
Dry whey	0.36	0.45	-0.03	0.09
Class prices		Dolla	rs per cwt	
Class III	17.02	17.15	0.05	0.13
Class IV	19.12	20.10	-0.10	0.98
All milk	20.48	21.25	0.30	0.77

U.S. Production Summary

	2022/2023			2023/2024	
		Change from		Change from	Change from
Item	Estimate	February 8	Forecast	February 8	2022/2023
Crops and Products					
Wheat (million bushels)	1,650		1,812		162
Rice (million cwt)	160.0		218.3		58.3
Corn (million bushels)	13,651		15,342		1,691
Sorghum (million bushels)	188		318		130
Barley (million bushels)	174		185		11
Oats (million bushels)	58		57		-1
Soybeans (million bushels)	4,270		4,165		-106
Soybean oil (million pounds)	26,227		27,025		798
Soybean meal (thousand s.t.)	52,493		54,254	100	1,761
Cotton (million bales)	14.47		12.10	-0.33	-2.37
Sugar (thousand s.t., raw value)	9,250		9,243	-109	-8
Milk (billion pounds)	226.4	-0.2	227.3	-0.9	0.9
Meat (billion pounds)					
Beef	26.96		26.33	0.14	-0.64
Pork	27.30		27.91	0.03	0.61
Broilers	46.39	**	46.88	0.10	0.49
Turkey	5.46	**	5.37	-0.03	-0.09
Total Meat	106.87	0.01	107.23	0.25	0.36

⁻⁻ No change. ** Rounds to zero.

U.S. Domestic Consumption Summary

	2022/2023		2023/2024		
		Change from		Change from	Change from
Item	Estimate	February 8	Forecast	February 8	2022/2023
Crops and Products					
Wheat (million bushels)	1,118		1,144		26
Rice (million cwt)	145.1		162.0		16.9
Corn (million bushels)	12,045		12,455		410
Sorghum (million bushels)	102		75	-5	-27
Barley (million bushels)	167		185		18
Oats (million bushels)	138		131		-7
Soybeans (million bushels)	2,313		2,424		111
Soybean oil (million pounds)	26,609		27,200		591
Soybean meal (thousand s.t.)	38,402		39,025	-400	623
Cotton (million bales)	2.05		1.75		-0.30
Sugar (thousand s.t., raw value)	12,589		12,555		-34
Milk (billion pounds, fat basis)	222.8	-0.2	224.7	**	1.9
Meat (Billion pounds)					
Beef	27.81	0.01	27.81	0.18	**
Pork	21.67	**	21.99	-0.02	0.31
Broilers	38.81	0.01	39.40	0.14	0.58
Turkey	4.96	**	4.95	-0.04	-0.01
Total Meat	94.29	0.03	95.20	0.27	0.90

⁻⁻ No change. ** Rounds to zero.

U.S. Export Summary

	2022/2023		2023/2024			
		Change from		Change from	Change from	
Item	Estimate	February 8	Forecast	February 8	2022/2023	
Crops and Products						
Wheat (million bushels)	759		710	-15	-49	
Rice (million cwt)	64.3		88.0	1.0	23.7	
Corn (million bushels)	1,661		2,100		439	
Sorghum (million bushels)	109		245	5	136	
Soybeans (million bushels)	1,992		1,720		-272	
Soybean oil (million pounds)	378		300		-78	
Soybean meal (thousand s.t.)	14,664		15,800	500	1,136	
Cotton (million bales)	12.77		12.30		-0.47	
Meat (Million lbs)						
Beef	3,038		2,785		-253	
Pork	6,818		7,130	50	312	
Broilers	7,265		7,165	-50	-100	
Turkey	489		520	5	31	
Mature Chickens	21		18		-3	
Total Meat	17,635		17,623	5	-12	

-- No change. March 8, 2024

Price Summary

	2022	2022/2023		2023/2024		
		Change from		Change from	Change from	
Item	Estimate	February 8	Forecast	February 8	2022/2023	
Crops and products						
Wheat (\$/bu)	8.83		7.15	-0.05	-1.68	
Rice (\$/cwt)	19.80		18.80	0.40	-1.00	
• • •		<u></u>				
Corn (\$/bu)	6.54		4.75	-0.05	-1.79	
Soybeans (\$/bu)	14.20		12.65		-1.55	
Soybean oil (¢/lb)	65.26		49.00	-2.00	-16.26	
Soybean meal (\$/s.t.)	452		380		-72	
Cotton (¢/lb)	84.80		77.00		-7.80	
Livestock						
Steers (\$/cwt)	175.54		182.50	2.50	6.97	
Hogs (\$/cwt)	58.59		60.75	1.00	2.16	
Broilers (¢/lb)	124.4		127.3		2.9	
Turkeys (¢/lb)	140.1		108.3	1.0	-31.8	
Dairy products						
Cheese (\$/lb)	1.76		1.71	0.02	-0.05	
Butter (\$/lb)	2.62		2.80	0.03	0.18	
Nonfat dry milk (\$/lb)	1.19		1.21	-0.02	0.03	
Dry whey (\$/lb)	0.36		0.45	-0.03	0.09	
Milk classes						
Class III (\$/cwt)	17.02		17.15	0.05	0.13	
Class IV (\$/cwt)	19.12		20.10	-0.10	0.98	
All milk (\$/cwt)	20.48		21.25	0.30	0.77	

⁻⁻ No change.