Grain Market Outlook for 2023-24

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Grain Market Perspective



Grain Market Outlook ^{MY 2023/24} 8 2024/2 in Kansas, the U.S. & Globally

1) "Focus on" Global Wheat, Feedgrains & Oilseed Stocks

• The importance of South America's 2024 corn & soybean crops!!

- Occurring &/or Anticipated in 2024:
 - o El Nino Weather Impacts in South America, Australia, U.S., etc.
 - o Geopolitical Conflicts in the Black Sea region, Middle East, other















Grain Market Outlook

□ Impact of Ongoing & Possible Geopolitical Conflicts?? In 2023

• Ukraine-Russia War ? – Prospects for de-escalation & grain trade?

- Israel-Hamas / Middle East Conflict ? How broad & widespread?
- China-Taiwan??? *IF* this occurs, it would impact the global economy along with U.S. grain trade
 - Impacting U.S. soybeans, grain sorghum, likely all U.S. agricultural commodities including U.S. corn

Grain Market Outlook ²⁰²³

2) Carryover impact of the Crop Production damage in the Western-Central Plains during 2022-2023 into 2024

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• Western Kansas / OK / TX / NE

 \rightarrow <u>Seasonal grain</u> **BASIS** throughout the U.S. Corn Belt

▶ Q? 2024 U.S. Corn, Soybean & Wheat Production?

 \rightarrow Seasonal risk in Spring-Summer ²⁰²⁴ – Dry subsoils in many areas











- El Niño Watch is currently in effect.
- Equatorial sea surface temperatures are near to above average across most of the Pacific Ocean.
- A transition from ENSO-neutral to El Niño is expected in the next couple of months, with a greater than 90% chance of El Niño persisting into the Northern Hemisphere winter of 2023-24.
 - Source: National Weather Service, October 10, 2023
 https://www.weather.gov/ict/enso

Global SST Departures (°C) During the Last Four Weeks

During the last four weeks, equatorial SSTs were above average across most of the Pacific Ocean, in the western Indian Ocean, and across much of the Atlantic Ocean. Equatorial SSTs were below average in the eastern Indian Ocean.





The CFS.v2 ensemble mean (black dashed line) indicates El Niño will continue through the Northern Hemisphere Spring 2024. A moderate strength El Niño is favored (ONI between 1.0°C and 1.5°C).



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South America Corn-Soybean Calendar

Brazil & Argentina Corn & Soybean Crop Calendar

o Brazil

- Corn: 1st crop *Planting* October-December
- Soybeans: Planting October-December
- Corn: 2nd crop *Planting* January-February

Argentina

- Corn: Planting mid September-December
- Soybeans: 1st crop *Planting* November-December ⇒
- Soybeans: 2nd crop Planting December-early Jan. ⇒ <u>Harvest</u>: mid April mid June

- ⇒ *Harvest*: February-June
- ⇒ Harvest: March-June
- ⇒ Harvest: March-June
- Harvest: mid March-early June ⇒ Harvest: Late March-early May

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What to anticipate in Year 2024

2024 Spring Planting of Feedgrains & Oilseeds

• With tight stocks across crops – any threats to planting 2023 U.S. corn or soybeans could cause *Moderately Volatile* prices

o NOV²⁰²⁴ Soybean futures @ \$12.46 ³/₄ /bu ^{8/10/2023 a.m.}

o DEC²⁰²⁴ Corn futures @ \$5.14 ½ /bu 8/10/2023 a.m.

2024 "New" Soy/Corn \$ Ratio = \$12.46 ³/₄ ÷ \$5.14 ¹/₂ = 2.42 (vs 2.3 Neutral)

Small + Soybeans

 Strong "new crop" price competition likely for 2024 planted acres between Feedgrains & Oilseeds ⇒ Likely in late March-May 2024







- U.S. Crop Prices supported @ Moderate-to-High Levels *until* someday grain markets are confident of larger crops & rebuilding of stocks
 - "2023/24 'New Crop' Forward Bids" are vulnerable to moderate declines in late Spring – Summer²⁰²³ & on into Fall harvest²⁰²³
- <u>Ukraine-Russia War Effect</u>: <u>Smaller</u> Ukraine corn, wheat crops+exports
- <u>South America Impact</u>: Brazil ^(Positive++) & Argentina^(Negative-) crop prospects will effect U.S. prices through at least August²⁰²³

What to anticipate: Year 2023

□ <u>USDA Reports</u> ⇒ A Key "driver" of grain market volatility

- WASDE: Upcoming October 12th, November 9th, & December 8th
- Planted Area: Prospective Plantings March 31, Acreage June 30

Demand-Pull for Feedgrains in the Western Corn Belt

- Fall demand for "New Crop" supplies (i.e. "Are supplies enough?")
- Possibility of "Inverted" futures & strong basis during Sep-Nov²⁰²³
 Quarter *IF* a short crop surprise happens ⇒ What are the odds?

A. POLL-Trade ests. for USDA October U.S. Corn, Soybean Production

06 Oct 2023

Oct 6 (Reuters) - The following are analysts' estimates ahead of the U.S. Department of Agriculture's October supply/demand and crop production reports, which will include figures for 2023-24 U.S. corn and soybean production. The USDA is scheduled to release the reports on Thursday Oct. 12 at 12 p.m. EDT (1600 GMT).

Reuters surveys analysts for their expectations of what the USDA will report and for the analysts' own estimates. Reuters publishes these sets of numbers separately. NOTE: Production figures are in billions of bushels and yield figures in bushels per acre:

PREDICTING USDA:

Corn		Soybeans		
Production	Yield	Production	Yield	
15.121	173.5	4.134	49.9	
15.515	175.5	4.175	50.4	
14.950	172.4	4.100	49.5	
15.134	173.8	4.146	50.1	
	Production 15.121 15.515 14.950	15.121 173.5 15.515 175.5 14.950 172.4	Production Yield Production 15.121 173.5 4.134 15.515 175.5 4.175 14.950 172.4 4.100	

B. POLL-Trade ests. for USDA October U.S. Grain End-Stocks

06 Oct 2023

Oct 6 (Reuters) - The following are analysts' estimates ahead of the October crop supply/demand report from the U.S. Department of Agriculture (USDA), which will estimate U.S. 2023-24 ending stocks for wheat, corn & soybeans. The USDA is scheduled to release the report on Thursday, Oct. 12, at 12 p.m. EDT (1600 GMT).

Reuters surveys analysts for their expectations of what the USDA will report, and for the analysts' own estimates. Reuters publishes these sets of numbers separately. The marketing year for wheat begins on June 1 and ends on May 31. For corn and soybeans, the marketing year begins on Sept. 1 & ends on Aug. 31. NOTE: All figures listed in billions of bushels.

PREDICTING USDA:

	Wheat	Corn	Soybeans
Average trade estimate	0.647	2.138	0.233
Highest trade estimate	0.693	2.389	0.271
Lowest trade estimate	0.584	1.946	0.206
USDA September	0.615	2.221	0.220

C. POLL-Trade ests. for USDA October world crop end-stocks -

Reuters News 06 Oct 2023

Oct 6 (Reuters) - The following are analysts' estimates ahead of the October crop supply/demand report from the U.S. Department of Agriculture (USDA), which will estimate 2023-24 global ending stocks for wheat, corn & soybeans. The USDA is scheduled to release the report on Thursday, October 12, at 12 p.m. EDT (1600 GMT).

Reuters surveys analysts for their expectations of what the USDA will report, and for the analysts' own estimates. Reuters publishes these sets of numbers separately. The marketing year for wheat begins on June 1. For corn & soybeans, the marketing year begins on Sept. 1. NOTE: All figures are listed in millions of tonnes.

PREDICTING USDA:

Wheat	Corn	Soybeans
258.38	313.05	119.71
261.00	318.40	122.00
255.00	310.40	118.50
258.61	313.99	119.25
	258.38 261.00 255.00	258.38 313.05 261.00 318.40 255.00 310.40



Date						
10/9/2023 Closes						
Grain Futures Contracts	Closing \$					
DEC 2023 Corn (2023 Lead Contract - September Delivery)	\$4.8825					
MAR 2024 Corn (2024 Post-Harvest Delivery)	\$5.0375					
10/9/2023 Closes	Cash Grain &	Harvest Cor	ntract Prices	@ Kansas Gra	in Elevators	
	Representing the					
Cash Market Spot & FC Bids	Colby Area	Salina ^{Area}	Topeka ^{Area}	Garden City Area	Hutchinson Area	Columbus ^{Area}
	NW KS	NC KS	EC-NE KS	SW KS	SC KS	SE KS
Corn Spot Cash\$	\$4.88	\$5.05	\$4.68	\$5.13	\$5.06	\$4.76
October Corn Harvest Cash Basis	(\$0.00)	\$0.17	(\$0.20)	\$0.25	\$0.18	(\$0.12)
Corn Post-Harvest FC\$: Fall 2023	\$4.63	Not Avail.	\$4.78	\$5.03	\$4.98	\$4.53
November Corn Post-Harvest FC\$ Basis	(\$0.41)	#VALUE!	(\$0.26)	(\$0.01)	(\$0.06)	(\$0.51)
Grain Sorghum Spot Cash\$	\$4.88	\$5.66	\$4.98	\$5.03	\$5.43	\$4.53
October Sorghum Spot Cash Basis	(\$0.00)	\$0.78	\$0.10	\$0.15	\$0.55	(\$0.35)
Grain Sorghum Post-Harvest FC\$: Fall ²⁰	\$4.88	\$4.88	\$4.88	\$4.73	\$5.16	\$4.38
November Sorghum Post-Harvest FC\$ Basis	(\$0.16)	(\$0.16)	(\$0.16)	(\$0.31)	\$0.12	(\$0.66)



Daily CME DEC 2023 Corn Futures



	2 U.S. Corn Balance Sheet			COUNT
- 1	Previous Estimates	September 30 Estimates	Chan	
	(Million Bushels)	(Million Bushels)	(Million Bu	
Sept. 1, 2022 Beginning Stocks	1,377	1,377		NC
2022 Production	13,730	13,715	\downarrow	15
Imports	40 *	40 *		NC
otal Supply	15,147	15,132	↓	15
Exports	1,665 *	1,665 *		NC
Food, Seed, and Industrial	6,605 *	6,605 *		NC
Aeasured Disappearance	8,270 *	8,270 *		NC
Ending Stocks	1,452 *	1,361	\downarrow	91
Residual	5,425 *	5,500	1	76
* WAOB Forecast - September WASD Note: Totals may not add due to roun				
ited States Department of Agricul onal Agricultural Statistics Service	ture		Septembe	r 29, 2023

September 2023

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

WASDE - 640 - 12

Corn	2021/22	2022/23 Est.	2023/24 Proj.	2023/24 Proj.	
Coll			Aug	Sep *	
		Mil	lion Acres		
Area Planted	93.3	88.6	94.1	94.9	
Area Harvested	85.3	79.2	86.3	87.1	
		Bus	hels		
Yield per Harvested Acre	176.7	173.3	175.1	173.8	
and the state of t		Mil	lion Bushels		
Beginning Stocks	1,235	1,377	1,457	1,361 -1,452	
Production	15,074	13,715 13,730	15,111	15,134	
Imports	24	40	25	25	
Supply, Total	16,333	15,132 15,147	16,592	16,520 16,611	
Feed and Residual	5,726	5,500 -5,425	5,625	5,625	
Food, Seed & Industrial 2/	6,758	6,605	6,715	6,715	
Ethanol & by-products 3/	5,320	5,195	5,300	5,300	
Domestic, Total	12,483	12,106 12,030	12,340	12,340	
Exports	2,472	1,665	2,050	2,050	
Use, Total	14,956	13,771 13,695	14,390	14,390	
Ending Stocks	1,377	1,361 -1,452-	2,202	2,130 -2,221	
Avg. Farm Price (\$/bu) 4/	6.00	6.55	4.90	4.90	



November Soybean Post-Harvest FC\$ Basis	#VALUE!	(\$0.83)	(\$0.64)	(\$1.14)	#VALUE!	(\$0.79	
Soybean Post-Harvest FC\$: Fall 2023	Not Avail.	\$11.99	\$12.19	\$11.69	Not Avail.	\$12.04	
October Soybean Spot Cash Basis	(\$0.95)	(\$0.45)	(\$0.55)	(\$0.90)	(\$0.35)	(\$0.58	
Soybean Spot Cash\$	\$11.69	\$12.19	\$12.09	\$11.74	\$12.29	\$12.0	
	NW KS	NC KS	EC-NE KS	SW KS	SC KS	SE KS	
Cash Market Spot & FC Bids	Colby Area	Salina ^{Area}	Topeka ^{Area}	Garden City Area	Hutchinson Area	Columbus ^{Are}	
	Representing the	and the state of the					
10/9/2023 Closes	Cash Grain & Harvest Contract Prices @ Kansas Grain Elevators						
JAN 2024 Soybeans (2024 Post-Harvest Delivery)	\$12.8250					-	
NOV 2023 Soybeans (2023 Lead Contract - September Delivery)	\$12.6425						
Grain Futures Contracts	Closing \$						
10/9/2023 Closes							
Date							





2022 U.S. Soybean Crop

	Balance Sheet			
	Previous Estimates (Million Bushels)	September 30 Estimates (Million Bushels)	Chan; (Million Bu	
Sept. 1, 2022 Beginning Stocks	274	274		NC
2022 Production	4,276	4,270	\downarrow	6
Imports	30 *	30 *		NC
Total Supply	4,581	4,575	4	6
Crushings	2,220 *	2,220 *		NC
Exports	1,990 *	1,990 *		NC
Seed	97 *	97 *		NC
Measured Disappearance	4,307 *	4,307 *		NC
Ending Stocks	250 *	268	1	18
Residual	24 *	-1	\downarrow	24
* WAOB Forecast - September WASE	DE Report			
Note: Totals may not add due to rour	nding.			
ited States Department of Agricu ional Agricultural Statistics Service	llture		Septembe	r 29, 2

September 2023

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WASDE - 640 - 15

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

SOYBEANS	2021/22	2022/23 Est.	2023/24 Proj.	2023/24 Proj
SUIBLANS			Aug	Sep
		Mill	lion Acres	
Area Planted	87.2	87.5	83.5	83.6
Area Harvested	86.3	86.3	82.7	82.8
		Bus	hels	
Yield per Harvested Acre	51.7	49.5	50.9	50.1
		Mill	ion Bushels	
Beginning Stocks	257	274	260	268 -250
Production	4,465	4,270 4,276	4,205	4,140
Imports	16	30	30	30
Supply, Total	4,738	4,575 -4,581	4,496	4,444 -4,420
Crushings	2,204	2,220	2,300	2,290
Exports	2,152	1,990	1,825	1,790
Seed	102	97	101	10
Residual	6	(-1) -23-	25	2:
Use, Total	4,464	4,307 -4,330-	4,251	4,200
Ending Stocks	274	268 -250-	245	238 -220
Avg. Farm Price (\$/bu) 2/	13.30	14.20	12.70	12.90



Date								
10/9/2023 Closes								
Grain Futures Contracts	Closing \$							
DEC 2023 KC HRW Wheat (2023 Lead Contract)	\$6.8600							
JULY 2024 KC HRW Wheat (2024 Harvest Contract)	\$7.1275							
10/9/2023 Closes	Cash Grain & Harvest Contract Prices @ Kansas Grain Elevators							
	Representing the	highest bids avail	able at each loca	tion				
Cash Market Spot & FC Bids	Colby Area	Salina Area	Topeka ^{Area}	Garden City Area	Hutchinson Area	Columbus ^{Ares}		
	NW KS	NC KS	EC-NE KS	SW KS	SC KS	SE KS		
KC HRW Wheat Harvest Spot Cash\$	\$6.01	\$6.65	\$6.60	\$6.26	\$6.65	\$6.26		
HRW Wheat Pre-Harvest Spot Cash Basis	(\$0.85)	(\$0.21)	(\$0.26)	(\$0.60)	(\$0.21)	(\$0.60)		
KC HRW Wheat FC\$ - Next Harvest 2024	\$6.44	\$6.69	\$6.74	\$6.16	\$6.31	\$6.48		



USDA

2023 Winter Wheat

Acreage, Yield, and Production

	Planted (1,000 Acres)		Harvested (1,000 Acres)		Yield (Bushels/Acre)		Production (1,000 Bushels)	
United States	3	6,699	24	1,683		50.6	1,24	7,748
% Change from Previous Estimate	\checkmark	0.3	\checkmark	3.2	1	5.2	1	1.7
% Change from Previous Season	1	10.3	↑	5.2	\uparrow	7.7	\uparrow	13.1

		Top 5 States - By Production											
	Planted			Harvested			Yield			Production			
	(1,000 Acres)	% & PY		(1,000 Acres)	% Δ ΡΥ		(Bushels/Acre)	% Δ РΥ		(1,000 Bushels)	% A PY		
Kansas	8,100	↑	11.0	5,750	\downarrow	12.9	35.0	\downarrow	5.4	201,250	\downarrow	17.	
Washington	1,800	+	2.7	1,750	+	2.8	54.0	\downarrow	20.6	94,500	+	22.1	
Montana	1,850	\downarrow	9.8	1,680	¥	6.7	51.0	\uparrow	54.5	85,680	\uparrow	44.	
Texas	6,400	1	20.8	2,100	\uparrow	61.5	37.0	\uparrow	23.3	77,700	\uparrow	99.	
Colorado	2,300	\uparrow	17.9	1,820	\uparrow	27.3	41.0	\uparrow	64.0	74,620	\uparrow	108.	







