

KANSAS STATE

**EXTENSION AGRICULTURAL ECONOMIST** 

**Department of Agricultural Economics** 



in Kansas, the U.S. & Globally

#### 1) "Tight!!!!" Global Grain & Oilseed Stocks in 2022-2023

- The importance of South America's 2023 soybean & corn crops
- "Little No" margin for 2023 shortfalls among global wheat producers

#### 2) Corn Production damage in the Western-Central Plains in 2022

- Western Kansas / OK / TX / NE Corn Basis strength Historic++
- Damaged **2022 U.S. Corn Production** *less than* 13.944 billion bu.???

# Grain Market Outlook 2022-2023......

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#### 3) Continuance of dry La Nina Weather Pattern in 2022-2023???

- "Chances for La Nina are expected to gradually decrease from 86% to 60% during Dec-Feb 2022-2023" Reuters August 11, 2022
- "A rare 3-peat La Nina is expected this winter." Weather Science 8/12/2022

### 4) Continued high 2023 Fertilizer & other Crop Input Costs?

- High natural gas & logistics costs, w. supply-chain challenges
- May <u>limit</u> **2023 U.S. Corn Acres**  $-\approx 89 90$  million???

### Grain Market Outlook 2022-2023......

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- 5) U.S. HRW Winter Wheat Seedings Fall 2022 for Harvest 2023
  - Key: Soil Moisture prospects in the Central-Southern Plains Sept-Oct 2022
  - Factors: Strong Crop Insurance <u>Planning Prices</u>, moisture & other issues
- 6) Impact of Ongoing & Possible Geopolitical Conflicts 2022-2023
  - *Ukraine-Russia War???*: Prospects for de-escalation & grain trade?
  - China-Taiwan??? If happens, would impact global economy & U.S. grain trade (U.S. soybeans, grain sorghum, likely all ag commodities)

# Grain Market Outlook 2022-2023......

- 7) U.S./Foreign Ag response in 2023 to current grain prices?
  - Crop Acres? Normally,  $\hat{1}$  prices  $\rightarrow \hat{1}$  crop acres, BUT <u>ALL</u>  $\hat{1}$ 's are  $\hat{1}$
  - Crop Costs? IF high fertilizer & other crop costs, limits Corn Acres<sup>Global</sup>
  - Rationing of Grain Use: Evidence of this in the September WASDE #s
- 8) Reflecting reasons for High Grain Prices in Spring 2022?
  - #1: Ukraine-Russia War;
  - #2: Delayed plantings in the Northern Plains U.S. domestic issue

- 7) Overall Prospects for 2023 Grain Markets???
  - Grain Prices supported @ High Levels until grain markets are confident of larger crops & likely rebuilding of stocks
    - o Both <u>"2022/23 Old Crop Cash \$'s"</u> & <u>"2023/24 New Crop Forward Bids"</u> vulnerable to declines in late Spring Summer<sup>2023</sup> into 2023 Fall harvest
  - <u>Ukraine-Russia War</u>: Continued impact on World grain markets ?????
  - <u>Impact of South America Crop Development</u>: Brazil & Argentina crop prospects to drive U.S. price volatility during Jan-August 2023

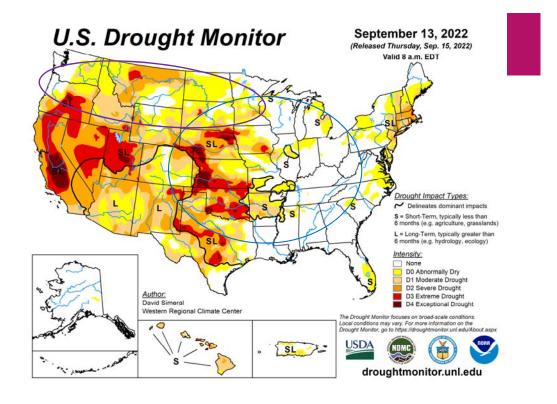
# What to anticipate: Fall 2022 - Year 2023

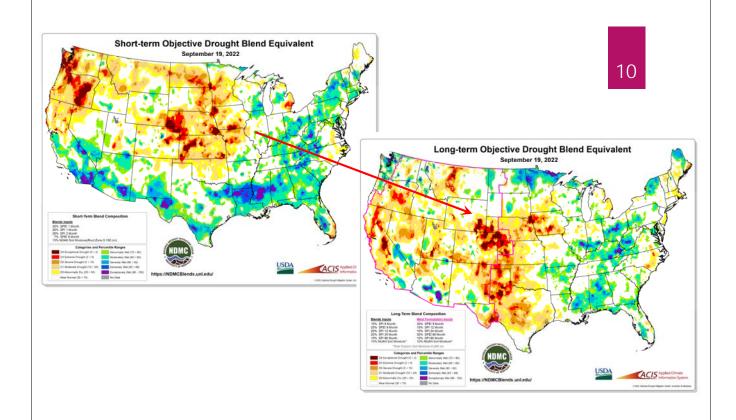
- □ South America Planting Influences ⇒ "Bid for Acres"
  - Brazil & Argentina Corn & Soybean Crop Calendar
    - o Brazil
      - Corn: 1st crop Planting October-December
- ⇒ *Harvest*: February-June
- Soybeans: *Planting* October-December
- Corn: 2<sup>nd</sup> crop *Planting* January-February
- ⇒ <u>Harvest</u>: March-June

#### Argentina

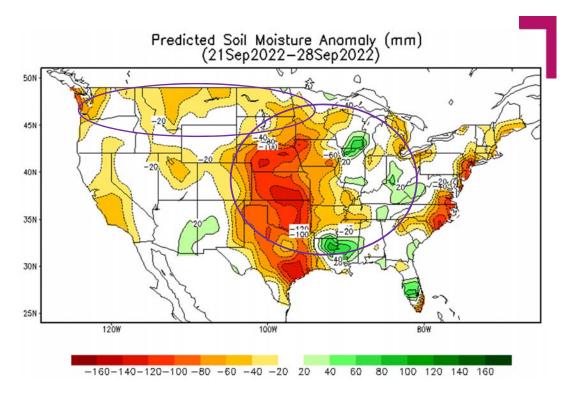
- Corn: Planting \*\* mid-September \*\*- December
- ⇒ *Harvest*: mid March-early June
- Soybeans: 1st crop Planting November-December ⇒
- *Harvest*: Late March-early May
- Soybeans: 2<sup>nd</sup> crop Planting December-early Jan. ⇒
- Harvest: mid April mid June

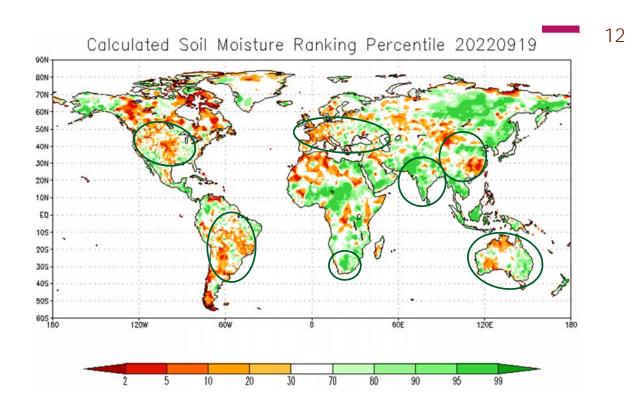










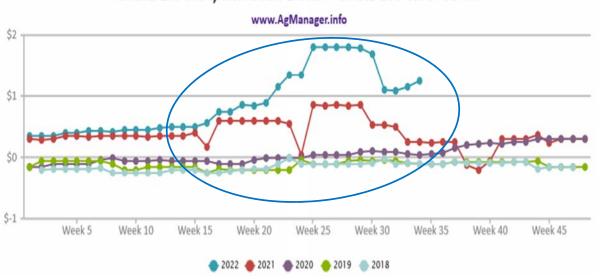




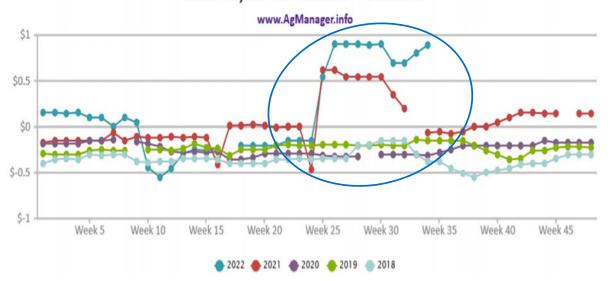


Date						
9/21/2022 (Morning Mkts)						
Grain Futures Contracts	Closing \$					
DEC 2022 Corn (2022 Harvest contract)	\$6.9200					
DEC 2023 Corn (2023 Harvest Contract)	\$6.3050					
9/21/2022 (Morning Mkts)	Cash Grain &	Harvest Cont	ract Prices @	Kansas Grain	Elevators	
Cash Market Spot & FC Bids	Representing the I	highest bids avail Salina <sup>Area</sup>	able at each loca Topeka <sup>Area</sup>		Hutchinson Area	Columbus Area
	NW KS	NC KS	EC-NE KS	SW KS	SC KS	SE KS
Corn Spot Cash\$	\$7.87	\$7.84	\$7.34	\$8.22	\$7.89	\$7.75
Corn Spot Cash Basis	\$0.95	\$0.92	\$0.42	\$1.30	\$0.97	\$0.83
Corn Harvest FC\$: Fall <sup>2023</sup>	\$6.06		\$6.00	\$6.04		\$5.95
Corn Harvest FC\$ Basis	(\$0.25)		(\$0.31)	(\$0.27)		(\$0.36)
Grain Sorghum Spot Cash\$	\$7.37	\$7.19	\$7.09	\$7.37	\$7.24	\$7.06
Sorghum Spot Cash Basis	\$0.45	\$0.27	\$0.17	\$0.45	\$0.32	\$0.14
Grain Sorghum Harvest FC\$: Fall 2022	\$5.91		\$5.85	\$5.89		
Sorghum Harvest FC\$ Basis	(\$0.40)		(\$0.46)	(\$0.42)		

# GARDEN CITY, KS: Corn Basis - GARDEN CITY COOP

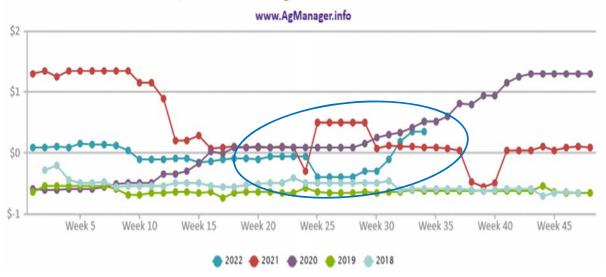


### SALINA, KS: Corn Basis - CARGILL

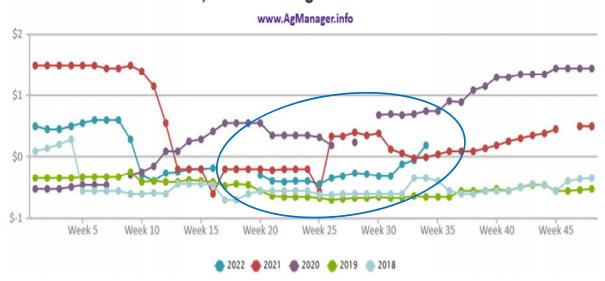


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### GARDEN CITY, KS: Grain Sorghum Basis - GARDEN CITY COOP



### SALINA, KS: Grain Sorghum Basis - CARGILL



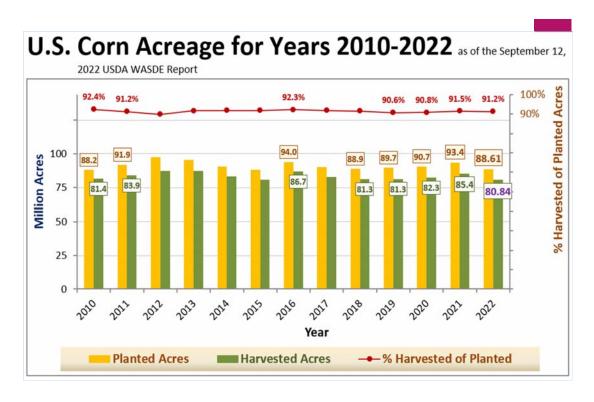


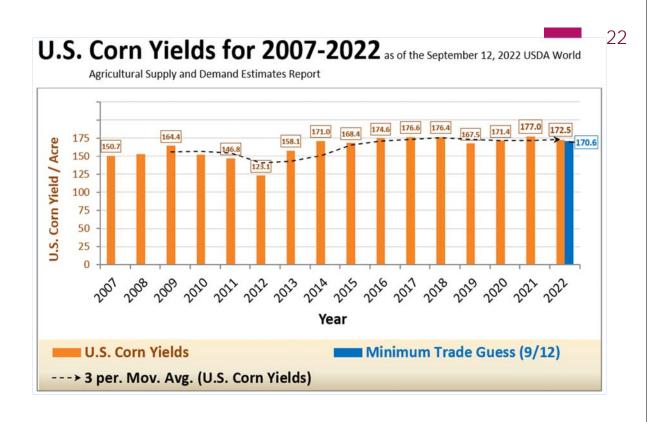
### U.S. Corn Supply and Demand

	202	1/2022		2022/2023	ł.	
Item	Estimate	Change from August 12	Forecast	Change from August 12	Change from 2021/2022	
Planted area (million acres)	93.4	-	88.6	-1.2	-4.7	
Harvested area (million acres)	85.4	-	80.8	-1.0	-4.5	
Yield (bushels per acre)	177.0	-	172.5	-3.0	-4.5	
		Million bushels				
Beginning stocks	1,235	3-0	1,525	-5	290	
Production	15,115	-	13,944	-415	-1,171	
Imports	25		25			
Total supply	16,375		15,494	-420	-881	
Feed and residual	5,600	-	5,225	-100	-375	
Food, seed, and industrial	6,775	-20	6,775	-50		
Ethanol	5,330	-20	5,325	-50	-5	
Domestic use	12,375	-20	12,000	-150	-375	
Exports	2,475	25	2,275	-100	-200	
Total use	14,850	5	14,275	-250	-575	
Ending stocks	1,525	-5	1,219	-170	-306	
			Percent			
Stocks to use ratio	10.3	**	8.5	-1.0	-1.7	
		Do	llars per bus	shel		
Average market price	5.95	-	6.75	0.10	0.80	

-- No change. \*\* Rounds to zero.

September 12, 2022



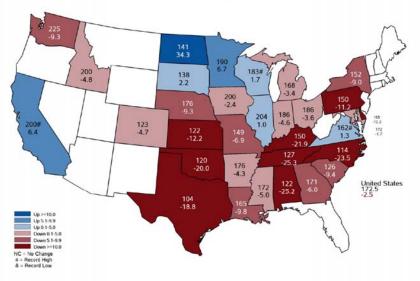




### September 2022 Corn Yield



**Bushels and Percent Change from Previous Year** 



**United States Department of Agriculture** National Agricultural Statistics Service

September 12, 2022



### September 2022 Corn **NASA Terra MODIS Modeled Yield**

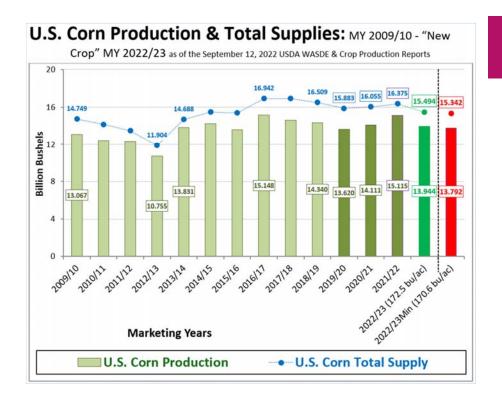


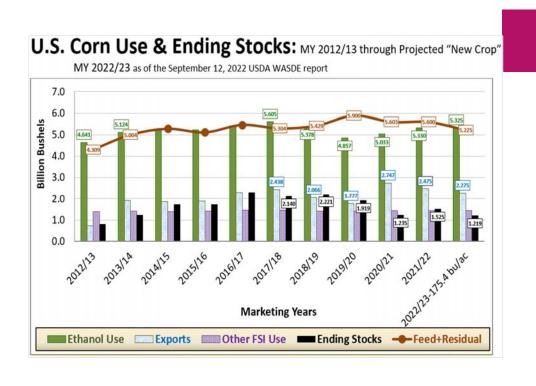


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**United States Department of Agriculture National Agricultural Statistics Service** 

September 12, 2022





#### U.S. Corn Supply-Demand Balance Sheet: Projected "New Crop" MY 2022/23 as of the

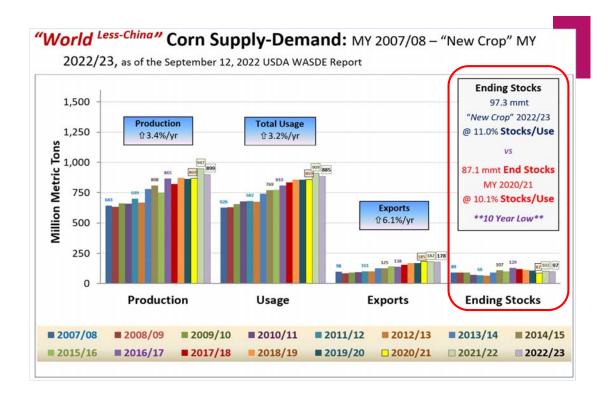
September 12, 2022 USDA WASDE report, with Alternative KSU "New Crop" 2022/23 Marketing Year Scenarios

Item	USDA 2022/23 9/12/2022 WASDE 172.5 bu/ac 13.994 bb crop	A. KSU "New Crop" MY 2022/23 Scenario E1 "Lower Yields" = 171.0 bu/ac 13.824 bb crop	B. KSU "New Crop" MY 2022/23 Stematic #2 "Much Lower Yields" = 169.5 bu/ac 13.703 bb crop	C. KSU "New Crop" MY 2022/23 Standin #3 "Mojor Drought Yields" = 168.0 bu/ac 13.582 bb crop	
% Probability of Occurring (KSU)	50% <sup>KSUest</sup>	30% <sup>KSLiest</sup>	15% <sup>KSUest</sup>	5% <sup>KSUest</sup>	
Planted Area (million acres)	88.608	88.608	88.608	88.608	
Harvested Area (million acres)	80.844	80.844	80.844	80.844	
% Harvested/Planted Area	91.24%	91.24%	91.24%	91.24%	
Yield / harvested acre (by/ac)	172.5	171.0	169.5	168.0	
	Million Bushels				
Reginning Stocks (million husbals)	1,525	1,525	1,525	1 525	
Production (million bu.)	13,944	13,824	13,703	13,582	
Imports (million bu.)	25.0	25	25	25	
Total Supply (million bu.)	15,494	15,374	15,253	15,135	
Ethanol for fuel Use (million bu.)	5,325	5,325	5,375	5,375	
Food & Industrial Use (min bu.)	1,419.4	1,419.4	1,419.4	1,419.4	
Seed Use (million bu.)	30.6	30.6	30.6	30.6	
Exports (million bu.)	2,275	2,275	2,275	2,275	
Feed & Residual Use (million bu.)	5,225	5,225	5,225	5,225	
Total Use (million bu.)	14,275	14,275	14,275	14,275	
Ending Stocks (million bu.)	1,219	1,099	978	860	
% Ending Stocks-to-Use	8.54%	7.70%	6.85%	6.02%	
Days of Supply (% S/U x 365 days)	31.2 days	28.1 days	25.0 days	22.0 days	
U.S. Corn Average Farm Price (\$/bushel)	\$6.75 USDA Vs \$7.12 KEV Answer	\$7.40 /gg vs \$7.12 KW/Mares	\$8.50 /by. vs \$7.12 KW/hours	\$9.25 /BU. vs \$7.12 *W*form	

### U.S. Corn % End Stocks vs U.S. Corn \$'s: MY 2006/07 -

"New Crop" MY 2022/23 as of the Sept. 12, 2022 USDA WASDE report + KSU MY 2022/23 scenarios





# "World Less-China" Corn Supply-Demand: MY 2007/078 – "New Crop" MY 2022/23 as of the September 12, 2022 USDA WASDE report



### Ukraine Corn Supply-Demand: MY 2006/07 - "New Crop" MY

2022/23, as of the September 12, 2022 USDA WASDE report



### Brazil Corn Supply-Demand: MY 2007/08 - "New Crop" MY 2022/23 as of

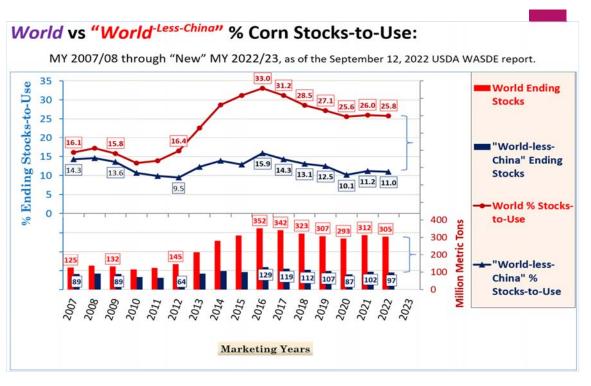
the September 12, 2022 USDA WASDE report



#### Argentina Corn Supply-Demand: MY 2007/08 - "New Crop" MY 2022/23

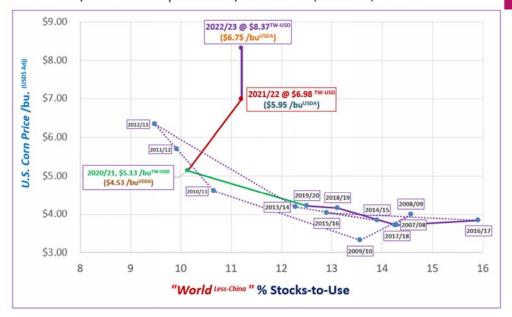
as of the September 12, 2022 USDA WASDE report



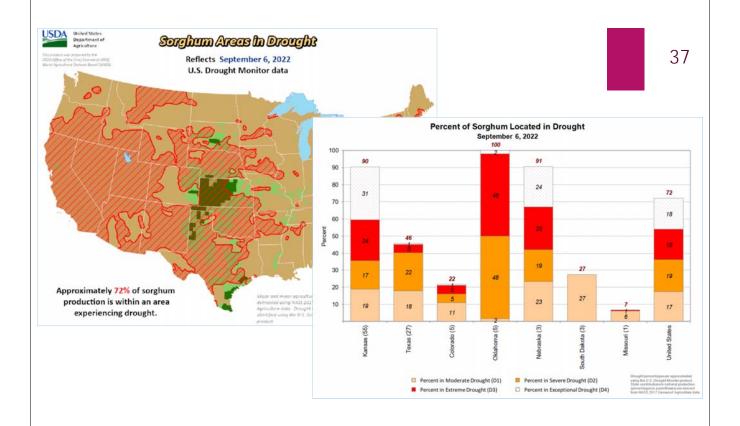


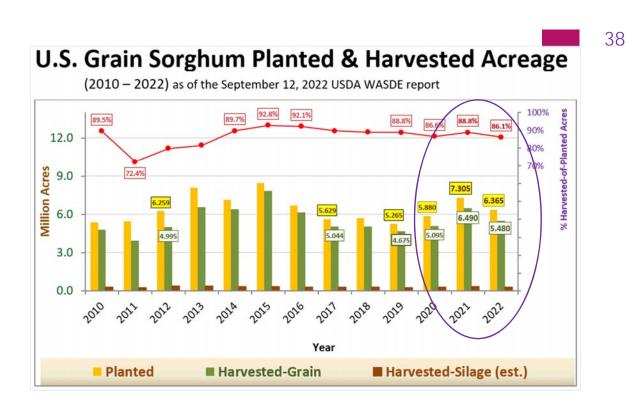
### U.S. Corn \$USD\$ Adj. vs "World Less-China" % Corn S/U:

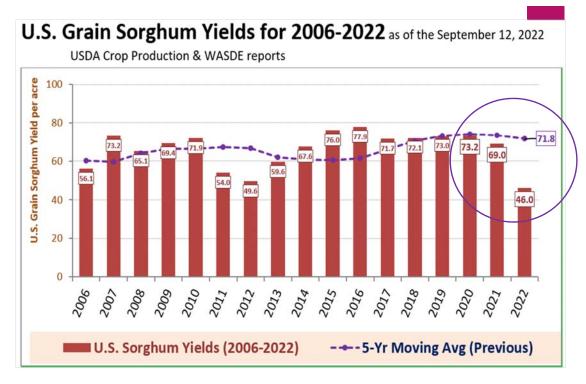
MY 2007/08 - "New Crop" MY 2022/23 as of the September 12, 2022 WASDE

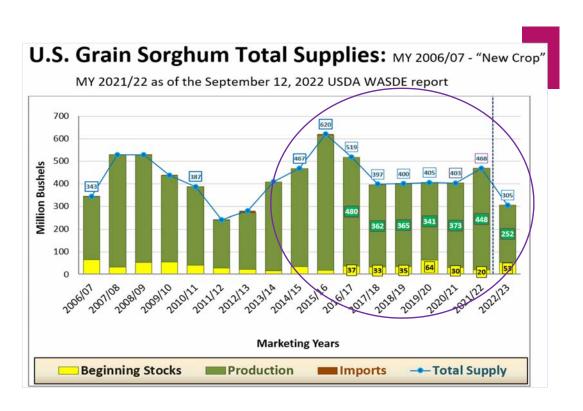


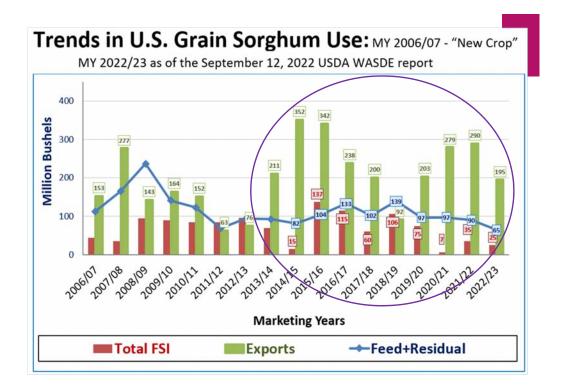












### 20/20

### Projected U.S. Grain Sorghum Supply-Demand for MY 2022/23

"New Crop" MY 2022/23 as of the September 12, 2022 USDA WASDE report, with Alternative KSU "New Crop" 2021/22 Marketing Year Scenarios

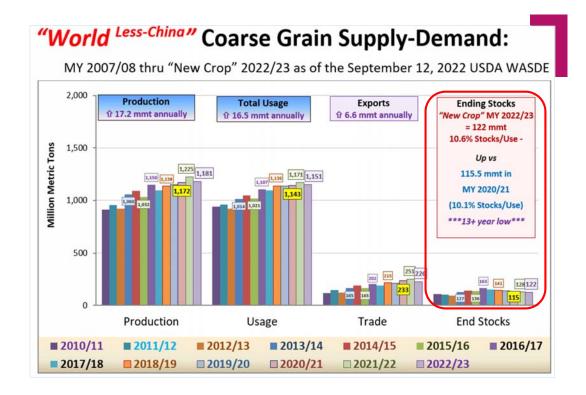
Item	A. USDA "New Crop" MY 2022/23 August 12, 2022 WASDE	B. KSU Adjusted USDA "New Crop" MY 2022/23 + 20 mb Exports to 215 mb
% Probability of Occurring (KSU)	65%KSUest	35%KSUest
Planted Area (million acres)	6.365	6.365
Harvested Area (million acres)	5.480	5.480
% Harvested/Planted Area	86.1%	86.1%
Yield / harvested acre (bu/ac)	46.0	46.0
		Bushels
Beginning Stocks (million bushels)	53	53
Production (million bu.)	252	252
Imports (million bu.)	0.05	0.05
Total Supply (million bu.)	305	305
Food & Industrial Use (mln bu.)	24.14	24.14
Seed Use (million bu.)	0.86	0.86
Exports (million bu.)	195	215
Feed & Residual Use (million bu.)	65	55
Total Use (million bu.)	285	295
Ending Stocks	20	10
% Ending Stocks-to-Use	7.02%	3.39%
Days of Supply (% S/U x 365 days)	25.6 days	12.4 days
U.S. Grain Sorghum Avg. Farm Price (\$ / bushel)	\$6.65 USDA	\$7.50 KSU

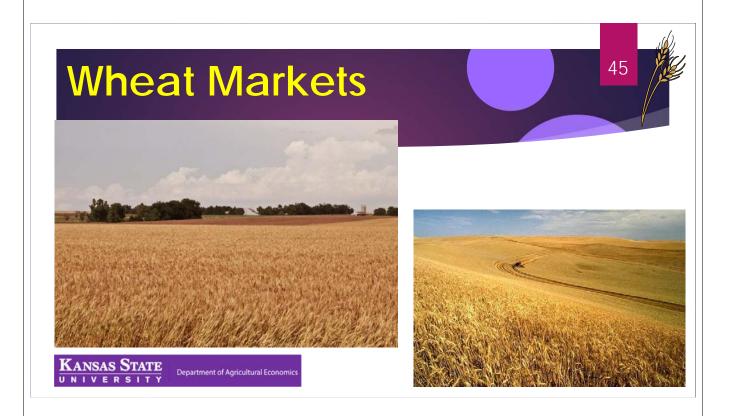
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### U.S. Sorghum % End Stocks/Use vs U.S. Avg. Cash \$s:

MY 2004/05 - "New Crop" MY 2021/22 as of the August 12, 2022 USDA WASDE



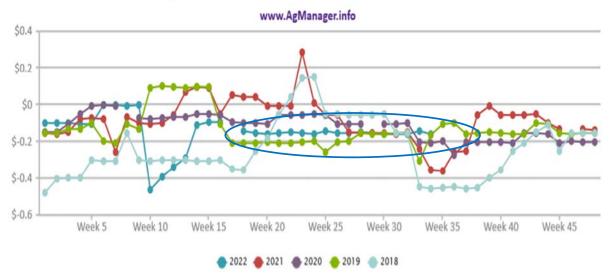






Date						
9/21/2022 (Morning Mkts)	1					
Grain Futures Contracts	Closing \$					
DEC 2022 KC HRW Wheat (Lead Contract)	\$9.6100					
JULY 2023 KC HRW Wheat (2023 Harvest Contract)	\$9.3925					
9/21/2022 (Morning Mkts)	Cash Grain &	Harvest Cont	ract Prices @	Kansas Grain	Elevators	
	Representing the	highest bids avail	able at each loca	tion		
Cash Market Spot & FC Bids	Colby Area	Salina <sup>Area</sup>	Topeka Area	Garden City Area	Hutchinson Area	Columbus Area
	NW KS	NC KS	EC-NE KS	SW KS	SC KS	SE KS
KC HRW Wheat Harvest Spot Cash\$	\$9.11	\$9.39	\$9.23	\$9.13	\$9.35	\$9.18
HRW Wheat Harvest Spot Cash Basis	(\$0.50)	(\$0.22)	(\$0.38)	(\$0.48)	(\$0.26)	(\$0.43)
KC HRW Wheat FC\$ - Harvest 2023	\$8.74	\$8.84	\$8.93	\$8.97	\$8.85	\$8.60
HRW Wheat Harvest FC\$ Basis	(\$0.65)	(\$0.55)	(\$0.46)	(\$0.42)	(\$0.54)	(\$0.79)

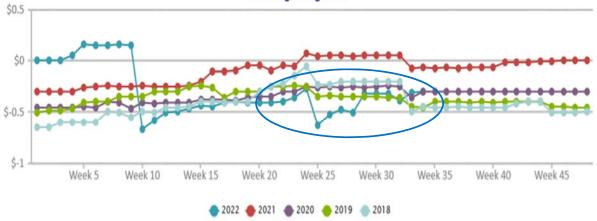
# SALINA, KS: Hard Red Winter Wheat Basis - CARGILL





# HUGOTON, KS: Hard Red Winter Wheat Basis - PERRYTON EQUITY EXCHANGE - PRAIRIEOLA







### U.S. Wheat Supply and Demand

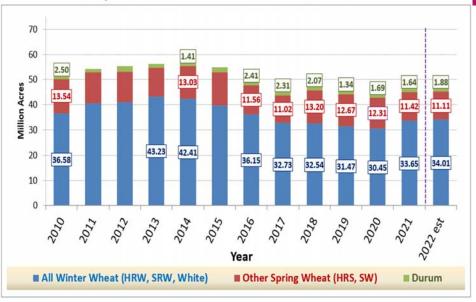
200	2021/2022	2022/2023	Change from	Change from
Item	estimate	forecast	August 12	2021/2022
Planted area (million acres)	46.7	47.0	-	0.3
Harvested area (million acres)	37.2	37.5	_	0.4
Yield (bushels per acre)	44.3	47.5	-	3.2
	19	Million	bushels	
Beginning stocks	845	660	-	-185
Production	1,646	1,783		137
Imports	95	110	-	15
Total supply	2,586	2,553	-	-33
Food use	972	970	_	-2
Seed	60	68	-	8
Feed and residual	94	80	0.22	-14
Domestic use	1,126	1,118	_	-8
Exports	800	825	_	25
Total use	1,926	1,943		17
Ending stocks	660	610	97	-50
		Pe	rcent	4
Stocks to use ratio	34.3	31.4	-	-2.9
		Dollars	per bushel	
Average market price	7.63	9.00	-0.25	1.37

-- No change.

September 12, 2022

### U.S. Wheat Planted Acreage - All Winter, Other Spring & Durum Classes (since

MY 2010/11) as of the September 12, 2022 USDA NASS Crop Production Report



### U.S. Wheat Total Supplies: MY 2012/13 - Projected MY 2022/23 as of

the September 12, 2022 USDA WASDE Report



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### U.S. Wheat Use & Ending Stocks: MY 2012/13 - "New Crop"

MY 2022/23 as of the September 12, 2022 USDA WASDE Report



### U.S. All Wheat Exports: MY 2015/16 thru "New Crop" MY

2021/22 as of USDA FAS Weekly Export reports through September 8, 2022



#### U.S. Wheat Market Outcomes for MY 2022/23KSU

USDA & KSU Projections based on the September 12, 2022 USDA WASDE Report + KSU Scenarios

ltem	USDA "New Crop" MY 2022/23 9/12/2022 USDA WASDE	KSU Scenario #1 "New Crop" 2022/23 -25 mb U.S. Exports: 800 mb	KSU Scenario #2 "New Crop" 2022/23 -50 mb U.S. Exports: 775 mb	KSU Scenario #3 "New Crop" 2022/23 -75 mb U.S. Exports: 750 mb
% Probability of Happening KTU res-	65% prob	20% prob.	10% prob	5% prob.
Planted Area (million acres)	46.992	46.992	46.992	46.992
Harvested Area (million acres)	37.527	37.527	37.527	37.527
% Harvested/Planted Area	79.89%	79.89%	79.89%	79.89%
Yield / harvested acre (bu/ac)	47.5	47.5	47.5	47.5
			Million	
Beginning Stocks	660	660	660	660
Production	1,783	1,783	1,783	1,783
Imports	110	110	110	110
Total Supply (million bushels)	2,553	2,553	2,553	2,553
Food Use	970	970	970	970
Seed Use	68	68	68	68
Exports	825	800	775	750
Feed & Residual Use	80	80	80	80
Total Use (million bushels)	1,943	1,918	1,893	1,868
Ending Stocks (million bushels)	610	635	660	685
% Ending Stocks-to-Use	31.39%	33.11%	34.87%	36.67%
Days of Supply (% S/U x 365 days)	115 days	121 days	127 days	134 days
U.S. Wheat Avg. Farm Price (\$/bushel)	\$9.00 Vs \$9.24 /bu KSU-HRW Futures	\$8.20 Vs 59.24 /bu. KSU-HRW Futures Fost	\$7.35 Vs \$9.24 /bu. KSU-HRW Futures Fost	\$6.60 Vs 59.24 /bu. KSU-HRW Futures Fox

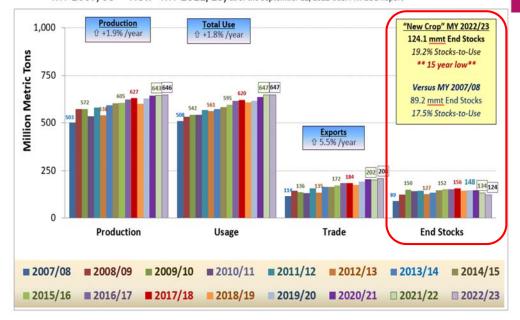
### U.S. Wheat Ending Stocks vs U.S. Cash \$'s: MY 2009/10 thru

"New Crop" MY 2022/23 - September 12, 2022 USDA WASDE with KSU Projections



#### "World Less-China" Wheat Usage & Ending Stocks:

MY 2007/08 - "New" MY 2022/23, as of the September 12, 2022 USDA WASDE Report



# World Less-China Wheat Supply-Demand Trends

MY 2007/08 - "New Crop" MY 2022/23 as of the September 12, 2022 USDA WASDE report



### Ukraine Wheat S-D Trends: MY 2013/14 - "New Crop" MY

2022/23 as of the September 12, 2022 USDA WASDE report



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## Russia Wheat Supply-Demand Trends: MY 2013/14-

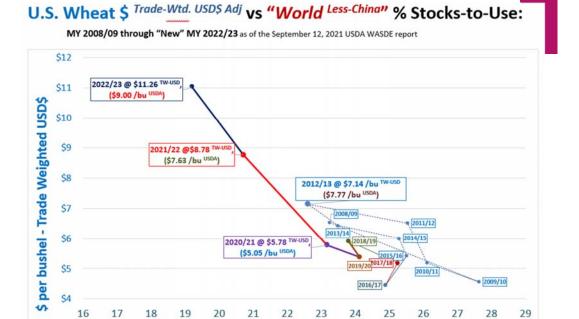
"New Crop" MY 2022/23 as of the September 12, 2022 USDA WASDE report



#### World vs "World Less-China" Ending Stocks & % Stocks-to-Use

MY 2007/08 through "New" MY 2022/23 as of the September 12, 2022 USDA WASDE report





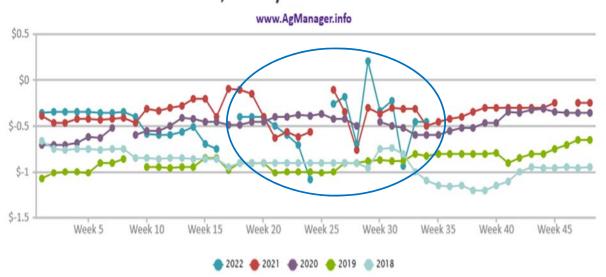
% World-less-China Ending Stocks-to-Use





Kansas Cash & Futures P	rices					
Date						
9/21/2022 (Morning Mkts)						
Grain Futures Contracts	Closing \$					
NOV 2022 Soybeans (Lead Contract)	\$14.7875					
NOV 2023 Soybeans (2023 Harvest Contract)	\$13.9475					
9/21/2022 (Morning Mkts)	Cash Grain &	Harvest Cont	ract Prices @	Kansas Grain	Elevators	
	Representing the	highest bids avail	able at each loca	ntion		
Cash Market Spot & FC Bids	Colby Area	Salina Area	Topeka Area	Garden City Area	Hutchinson Area	Columbus Are
Soybean Spot Cash\$	\$13.99	\$14.61	\$15.30	\$13.81	\$14.80	\$15.6
Soybean Spot Cash Basis	(\$0.80)	(\$0.18)	\$0.51	(\$0.98)	\$0.01	\$0.90
2022	\$12.90		\$13.23			\$13.3
Soybean Harvest FC\$: Fall 2022	\$12.50		100000000000000000000000000000000000000			(2) (4) (4) (4)

### SALINA, KS: Soybeans Basis - CARGILL



### GARDEN CITY, KS: Soybeans Basis - GARDEN CITY COOP





#### U.S. Soybeans Supply and Demand

	202	1/2022		2022/2023	
Item	Estimate	Change from August 12	Forecast	Change from August 12	Change from 2021/2022
Planted area (million acres)	87.2		87.5	-0.6	0.3
Harvested area (million acres)	86.3	_	86.6	-0.6	0.3
Yield (bushels per acre)	51.4	_	50.5	-1.4	-0.8
		N	Aillion bushe	els	
Beginning stocks	257	_	240	15	-17
Production	4,435	-	4,378	-152	-57
Imports	15	_	15	_	0
Total supply	4,707	-	4,633	-138	-74
Crush	2,205	-	2,225	-20	20
Seed and Residual	117	**	123	-3	6
Domestic use	2,322	**	2,348	-23	26
Exports	2,145	-15	2,085	-70	-60
Total use	4,467	-15	4,433	-93	-34
Ending stocks	240	15	200	-45	-40
			Percent		
Stocks to use ratio	5.4	0.3	4.5	-0.9	-0.9
		Do	llars per bu	shel	
Average market price	13.30	-	14.35	-	1.05

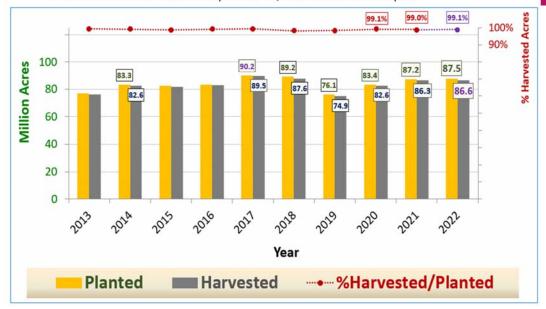
<sup>-</sup> No change. \*\* Rounds to zero.

September 12, 2022



### U.S. Soybean Planted & Harvested Acreage:

Years 2013-2022 as of the September 12, 2022 USDA WASDE Report



### U.S. Soybean Production & Total Supplies: MY 2010/11

thru Projected "New Crop" MY 2022/23 as of the September 12, 2022 USDA WASDE Report



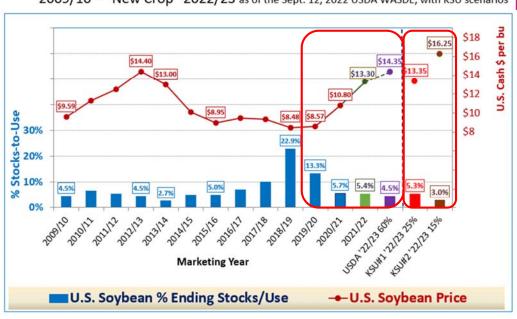
#### U.S. Soybean Supply-Demand Balance Sheet: "New Crop" MY

2022/23 as of the September 12, 2022 USDA WASDE report with KSU Scenarios for "New Crop" MY 2022/23

ltem	A. USDA WASDE "New Crop" 2022/23 September 12, 2022	B. KSU Scenario #1 "New Crop" 2022/23 Lower Exports: 2.050 bb	C. KSU Scenario #2 "New Crop" 2022/23 Low Yields: 49.5 bu/ac Lower Exports: 2.050 bb
% Probability of Occurring (KSU)	60%KSUest	25%KSUest	15%KSUest
Planted Area (million acres)	87.455	87.455	87.455
Harvested Area (million acres)	86.631	86.631	86.631
% Harvested/Planted Area	99.06%	99.06%	99.06%
Yield / harvested acre (bu/ac)	50.5	50.5	49.5
Beginning Stocks (million bushels)	225	225	225
Production (million bu.)	4,378	4,378	4,288
Imports (million bu.)	15	15	15
Total Supply (million bu.)	4,633	4,633	4,528
Domestic Crushings	2,225	2,225	2,225
Exports	2,085	2,050	2,050
Seed	102	102	102
Residual	21	21	21
Total Use	4,433	4,398	4,398
Ending Stocks	200	235	130
% Ending Stocks-to-Use	4.51%	5.34%	2.96%
Days of Supply (% S/U x 365 days)	16.5 days	19.5 days	10.8 days
U.S. Avg. Farm Price (\$/ <u>bu</u> )	\$14.35 USDA  Vs \$14.81 / by  KSU Futures & Basis-based forecast  ANDRES	\$13.35 Vs \$14.81 /by KSU Futures & Basis-based forecast #15/0818	\$16.25 Vs \$14.81 /by KSU Futures & Basis-based forecast

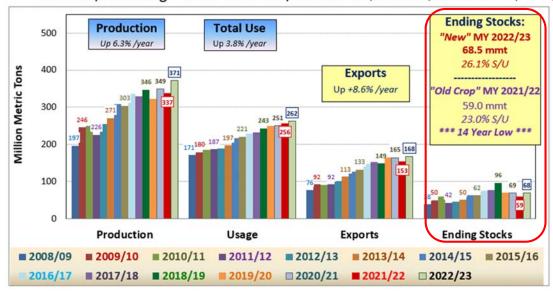
### U.S. Soybean % Stocks/Use vs U.S. Cash \$'s

2009/10 - "New Crop" 2022/23 as of the Sept. 12, 2022 USDA WASDE, with KSU scenarios



# "World Less-China" Soybean Use & Ending Stocks

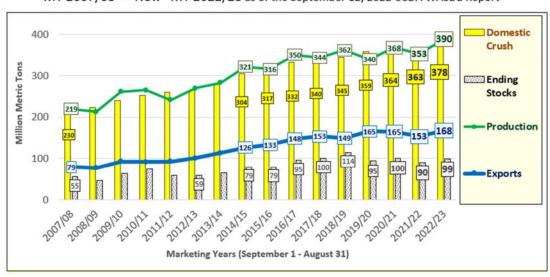
MY 2008/09 through "New" MY 2022/23 as of the September 12, 2022 WASDE Report



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### **World Soybean Supply-Demand**

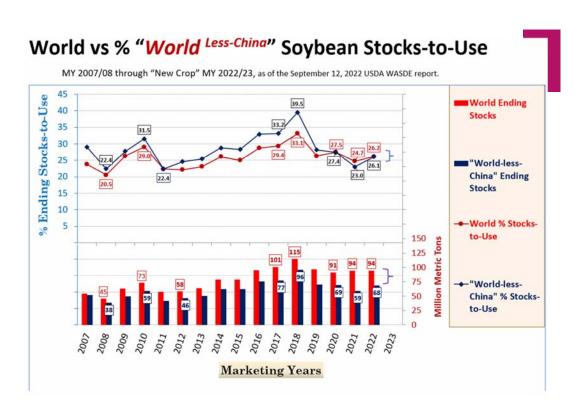
MY 2007/08 - "New" MY 2022/23 as of the September 12, 2022 USDA WASDE Report



### **Brazil Soybean Supply-Demand**

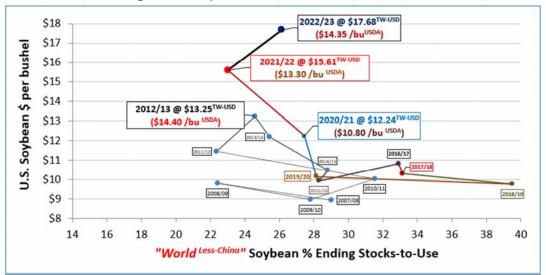
MY 2007/08 - "New" MY 2022/23 as of the September 12, 2022 USDA WASDE Report





### U.S. Soybean \$USD\$ Adj vs "World Less-China" % Stks/Use

MY 2007/08 through "New Crop" MY 2022/23 as of the September 12, 2022 WASDE Report



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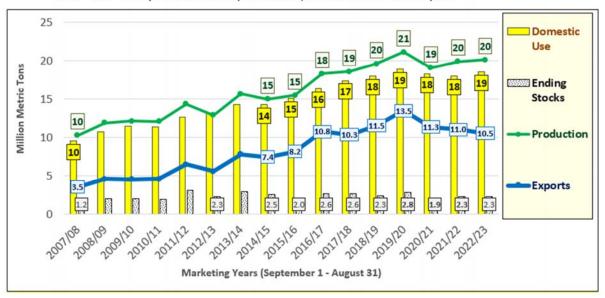
### World Sunflower Supply-Demand Trends: MY 2007/08 - "New"

MY 2022/23 as of the September 12, 2022 USDA WASDE Report



### World Sunflower Oil Supply-Demand Trends: MY 2007/08 -

"New" MY 2022/23 as of the September 12, 2022 USDA WASDE Report



### Ukraine Sunflower S-D Trends: MY 2013/14 - "New" MY 2022/23 as of

the September 12, 2022 USDA WASDE Report



### Ukraine Sunflower Oil S-D Trends: MY 2013/14 - "New" MY

2022/23 as of the September 12, 2022 USDA WASDE Report





### What to anticipate: Fall 2022 - Year 2023

- USDA Reports ⇒ Bringing grain market volatility
  - Release dates: Oct. 12<sup>th</sup>, Nov. 9<sup>th</sup>, Dec. 9<sup>th</sup> & January <sup>2023</sup>
    - Risk of further 2022 crop production declines for U.S. corn, soybean & sorghum from the Western & Central Corn Belt & Northern Plains states – yields or reduced acres
    - o Would be *supportive-to-bullish* to grains depending on <u>degree</u> of crop declines
- <u>"Active" Domestic & Foreign grain purchases @ harvest</u>
  - User's securing available "New Crop" supplies Raised Rail Bids for Corn in WCB
  - "Inverted" futures & strong basis likely during Sep-Nov<sup>2022</sup> Quarter

## What to anticipate: Fall 2022 into Year 2023

- □ Fall Seeding<sup>2022</sup> of Hard Red Winter Wheat in Kansas
  - Support from strong "New Crop" HRW Wheat futures
     & historically strong 2023 Crop Revenue Insurance Planning Price
     JULY<sup>2023</sup> KC HRW Wheat futures Projected \$ @ \$8.79 /bu RMA
     KSU Costs: \$7.25 /bu West (W-SC-F) & \$5.58-\$6.27 /bu SC-NC (Rotation)
  - Strong price competition for acres from other Kansas crops in 2023
  - Soil moisture prospects in Fall 2022 will likely be the key factor
     La Nina weather pattern continuation could cause dry conditions in fall-winter 2022

### What to anticipate: Fall 2022 - Year 2023

- 2023 Spring Planting of Feedgrains & Oilseeds
  - With <u>tight stocks</u> across crops any threats to successfully planting
     2023 U.S. <u>corn</u> or <u>soybeans</u> could cause *STRONG* market price volatility
    - o NOV<sup>2023</sup> Soybean futures @ \$13.89 /bu <sup>9/20/2022</sup>
    - o DEC<sup>2023</sup> Corn futures @ \$6.31 /bu <sup>9/20/2022</sup>
      - Fall 2023 "New Crop" Soy/Corn \$ Ratio = \$13.89 ÷ \$6.31 = 2.20 (Advantage Corn)
  - Strong "new crop" price competition likely for 2023 planted acres between Feedgrains & Oilseeds ⇒ beginning SOON after the 2022 fall harvest

# What to anticipate: Fall 2022 - Year 2023

- Q? Are Corn, Soybeans & Wheat futures at risk to fall sharply in the last ½ of year 2023?
  - With "<u>tight" beginning stocks</u> across these crops there is LESS RISK of declines until AT LEAST <u>late spring – early summer</u>
  - <u>THEN</u> the *risk* to grain sellers is that crop markets will discount the risk of "short crops" in 2023
    - ⇒ <u>IF</u> in Summer <sup>2023</sup> <u>U.S. & Foreign crop prospects</u> become "OK-to-Good", <u>THEN</u> grain prices will likely "slide" into Fall 2023 (by traders w. <u>LESS motive</u> to "buy the market")

