2023 Corn Markets & Strategies

'Winning-The-Game' Grain Marketing Workshop

Marysville, Kansas

Monday, February 13, 2023

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Corn Market Outlook²⁰²³ *in Kansas, the U.S. & Globally*

1) "Tight!" 2023 Global Corn, Oilseed & Wheat Stocks

• The importance of South America's 2023 corn & soybean crops!!

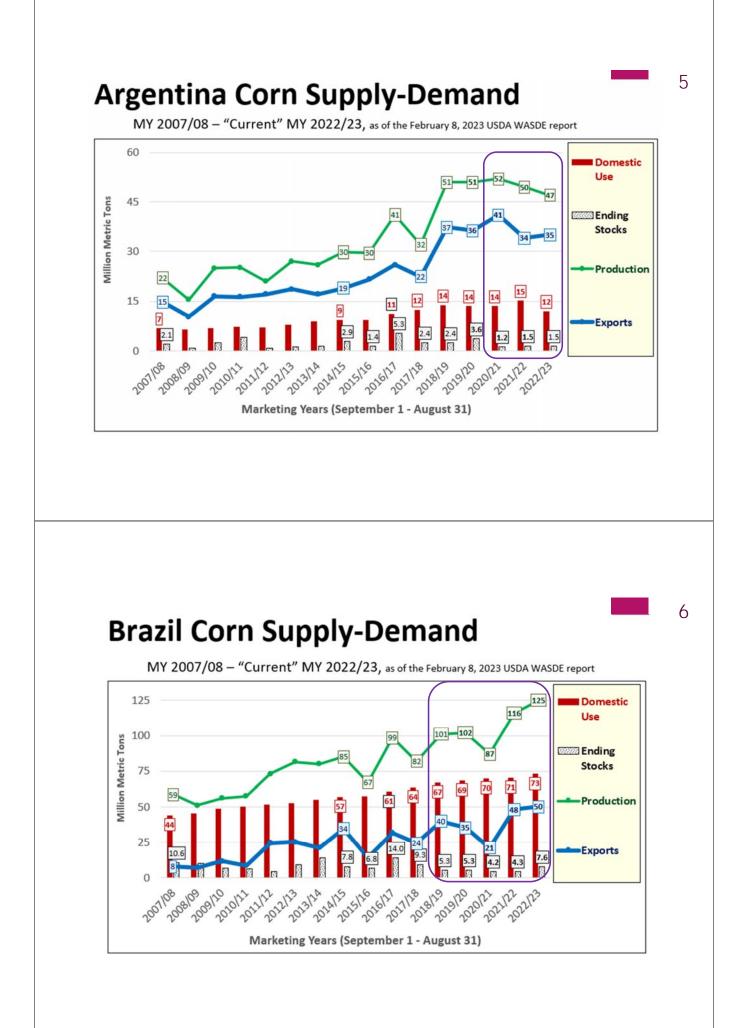
- Occurring &/or Anticipated in 2023:
 - Drought in Argentina & large crops in Brazil

• Smaller Crops & Exports from Ukraine & uncertainty re: China

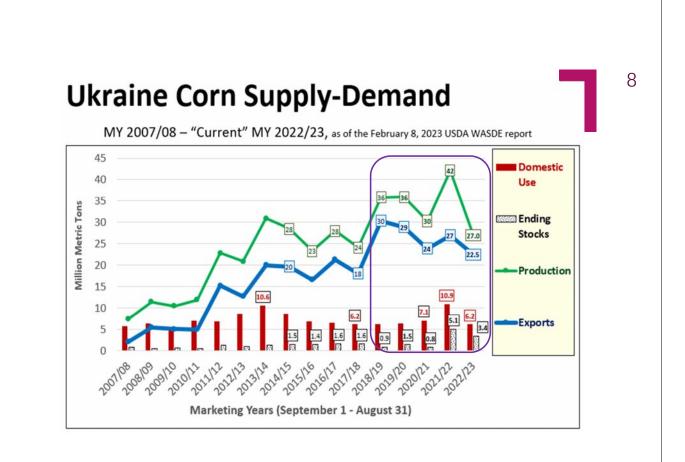
World Corn Production

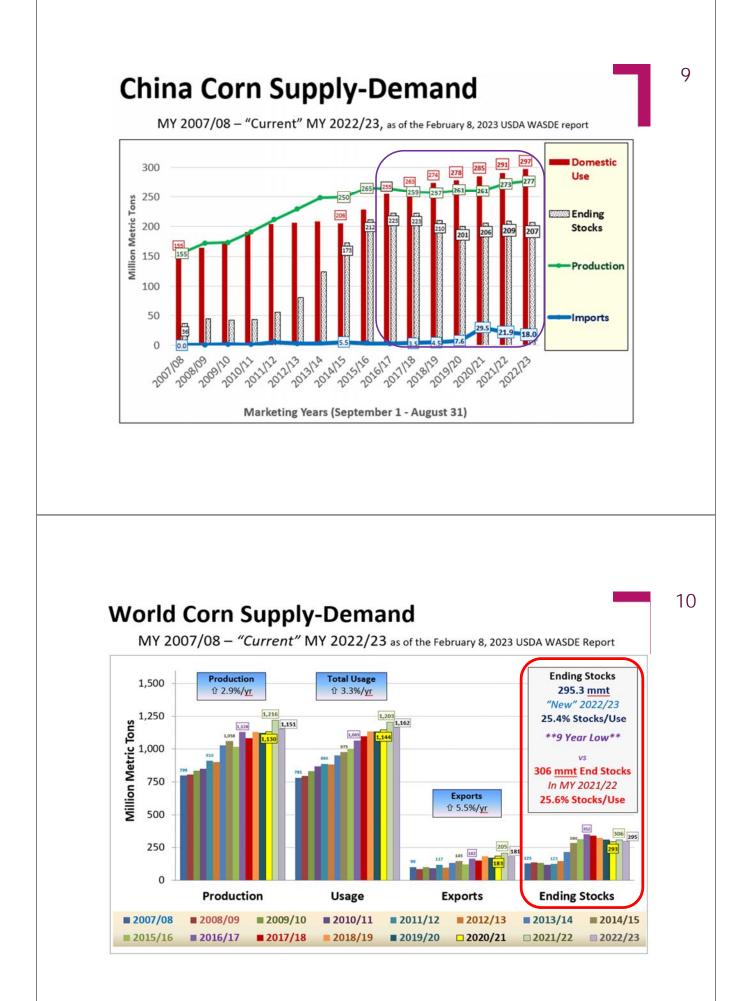
	2021/2022	2022/2023	Change from	Change from
Country or Region	estimate	forecast	January 12	2021/2022
		Mill	lion Tons	
World	1,216.0	1,151.4	-4.6	-64.6
United States	382.9	348.8		-34.1
Foreign	833.1	802.6	-4.6	-30.5
Argentina	49.5	47.0	-5.0	-2.5
Brazil	116.0	125.0		9.0
Mexico	26.8	27.6	23 2	0.8
Canada	14.6	14.5		-0.1
European Union	71.0	54.2		-16.8
Serbia	6.0	5.4		-0.6
FSU-12	63.7	46.4	0.1	-17.3
Ukraine	42.1	27.0	14	-15.1
Russia	15.2	14.0		-1.2
South Africa	16.1	16.7	-	0.6
China	272.6	277.2	18	4.6
India	33.6	32.0		-1.6

-- No change.



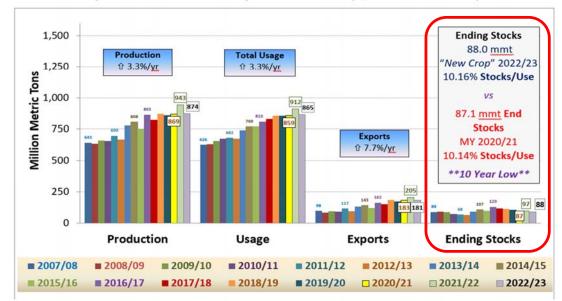






"World Less-China" Corn Supply-Demand

MY 2007/08 - "Current" MY 2022/23 as of the February 8, 2023 USDA WASDE Report



World vs "World Less-China" Corn % Stocks-to-Use

MY 2007/08 through "Current" MY 2022/23, as of the February 8, 2023 USDA WASDE report.



Grain Market Outlook ²⁰²³

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

• Western Kansas / OK / TX / NE

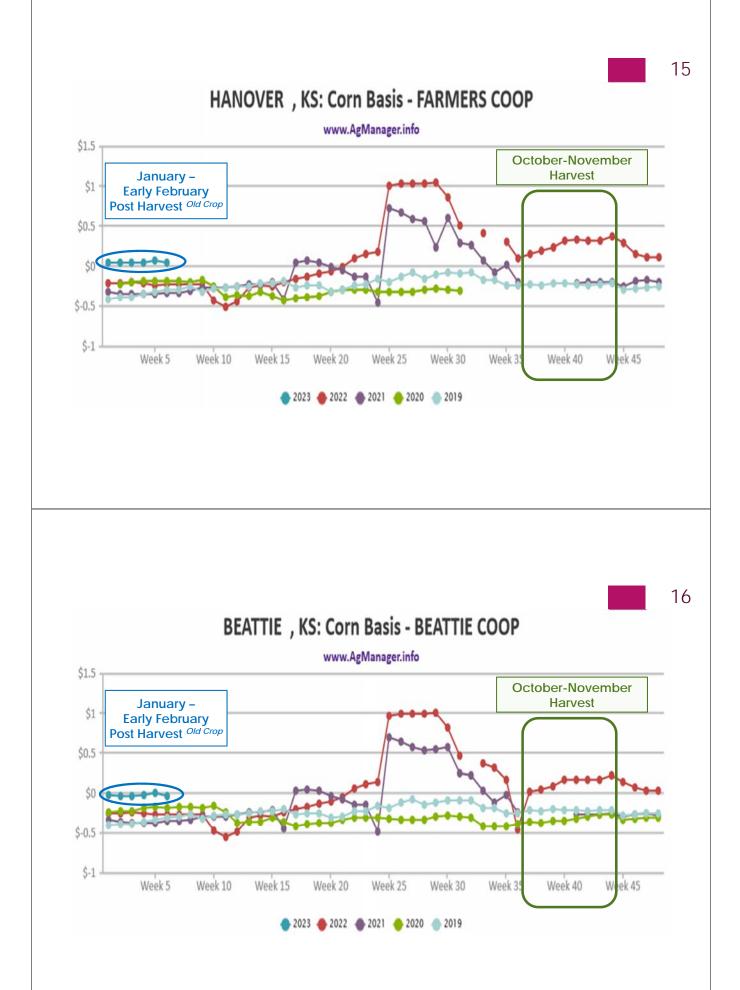
→ <u>Stronger</u> Corn & Soybean BASIS throughout the U.S. Corn Belt

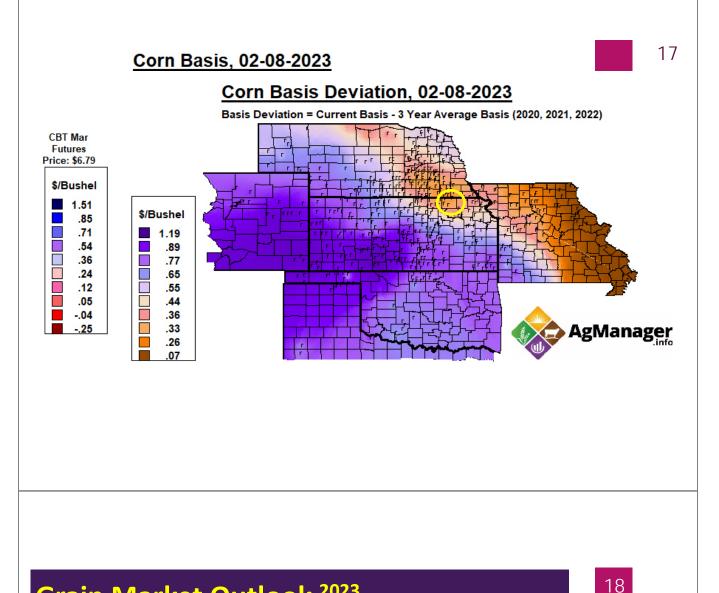
▶ Q? 2023 U.S. Corn, Soybean & Wheat Production?

 \rightarrow Seasonal risk in Spring-Summer ²⁰²³ – Dry subsoils in many areas

Kansas Cash & Futures Price						
	55					
Date 2/10/2023 (closes)						
Grain Futures Contracts	Closing \$					
MAR 2023 Corn (2023 Load contract)	\$6.8050					
DEC 2023 Corn (2023 Havest Contract)	\$5.9600					
2/10/2023 (closes)	Cash Grain 8	Harvest Con	tract Prices	@ Kansas Grai	n 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 Are
	NW KS	NC KS	EC-NE KS	SW KS	SC KS	SE KS
Corn Spot Cash\$	\$7.56	\$7.45	\$7.18	\$8.00	\$7.69	\$7.6
Corn Spot Cash Basis	\$0.76	\$0.65	\$0.38	\$1.20	\$0.89	\$0.80
Corn Harvest FC\$: Fall 2023	\$5.86	\$5.76	\$5.56	\$6.41	\$5.96	\$5.6
Corn Harvest FC\$ Basis	(\$0.10)	(\$0.20)	(\$0.40)	\$0.45	\$0.00	(\$0.30
"New Crop" Soybean vs Corn \$ Ratio	2.19	2.30	2.36	2.02	2.22	2.3

1 /





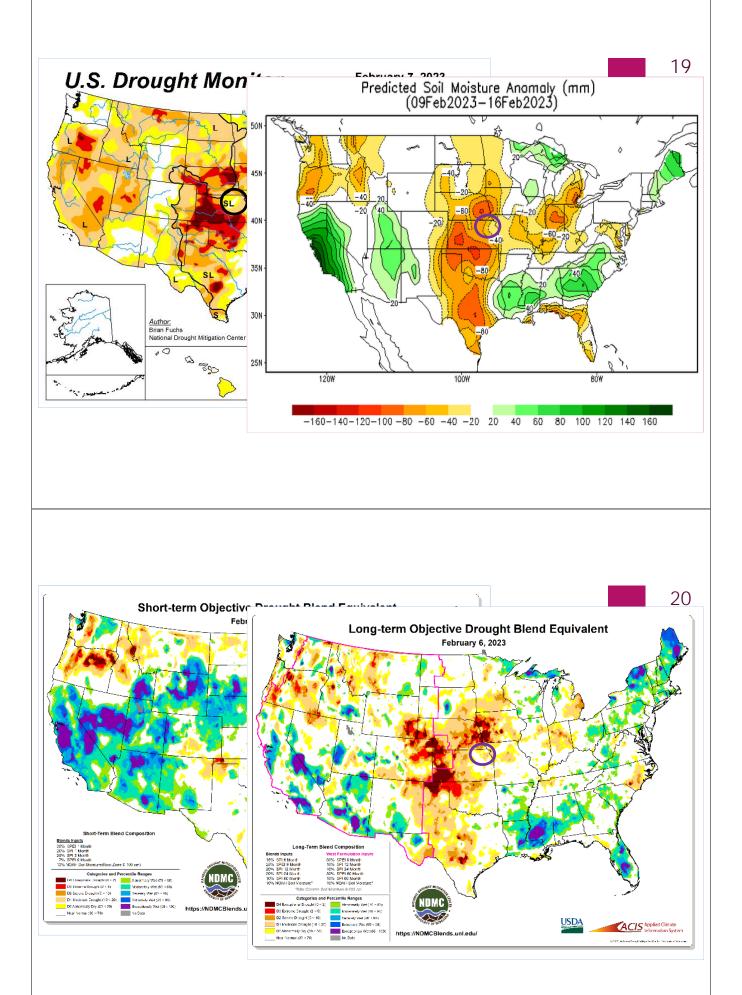
Grain Market Outlook ²⁰²³......

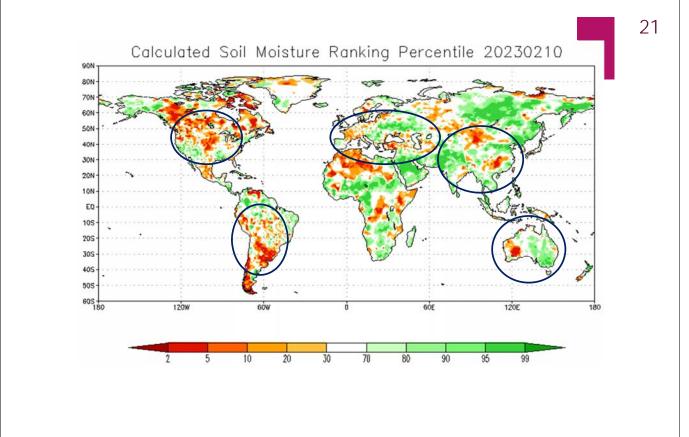
3) Continuance of dry La Nina Weather Pattern in 2023???

 "La Nina is expected to continue into winter, with equal chances of La Nina & ENSO-neutral during January-March 2023. In February-April 2023, there is a 71% Chance of ENSO-neutral."

U.S. Climate Prediction Center / NCEP January 3, 2023

 "La Nina is breaking down, and an El Nino is forecast to emerge in 2023. Returning after several years, an El Nino can completely change the weather patterns for the weather seasons of 2023 & 2024." Severe Weather Europe, Andrej Flis ^{January 11, 2023}





Grain Market Outlook ²⁰²³......

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4) Moderating Fertilizer \$'s & other Crop Input costs

• Lower natural gas \$'s, but continued supply-chain challenges

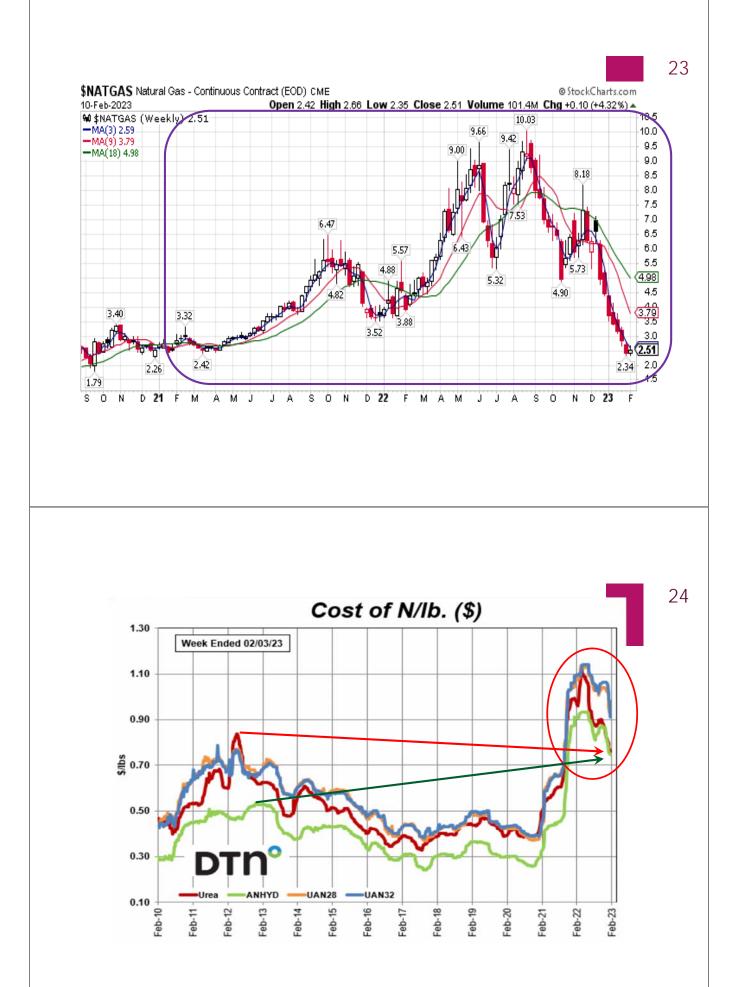


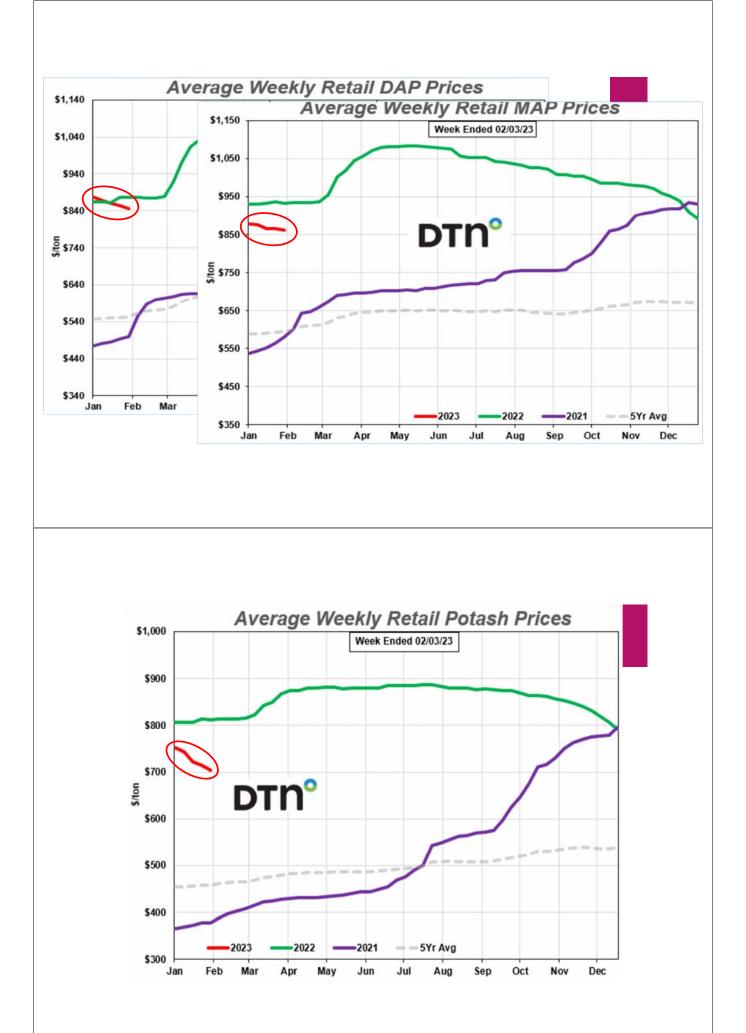
Illinois Production Cost Report

AMS Livestock, Poultry and Grain Market News IL Dept. of Ag Market News

February 9, 2023

Product	Sale Type	Price Range	Average
Anhydrous Ammonia	Ask - FOB	1135.00-1320.00	1255.00
Urea 46-0-0	Ask - FOB	610.00-690.00	655.00
Liquid Nitrogen 28-0-0	Ask - DELV(Applied)	550.00-620.00	571.03
DAP (Diammonium Phosphate 18%N 46%P)	Ask - FOB	800.00-850.00	828.00
MAP (Monoammonium Phosphate 11%N 52%P)	Ask - FOB	790.00-860.00	833.33
Potash (Potassium)	Ask - FOB	625.00-775.00	665.83





What to anticipate in Year 2023 5) 2023 Spring Planting of Feedgrains & Oilseeds

• "New Crop" 2023 Prices favoring Corn Acres in 2023

o NOV²⁰²³ Soybean futures @ \$13.78 ¾ /bu ^{2/10/2023 close}

o DEC²⁰²³ Corn futures @ \$5.96 /bu ^{2/10/2023 close}

++ Corn

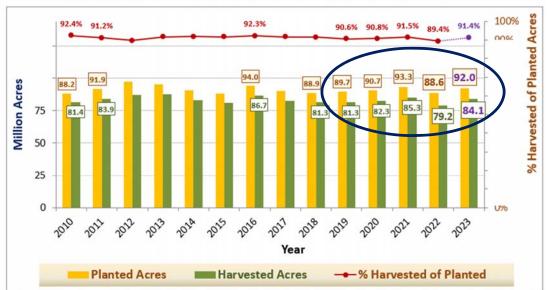
> 2023 "New Crop" Soy/Corn \$ Ratio = \$13.78 ³/₄ ÷ \$5.96 = 2.31 (vs 2.52 Avg)

<u>Plus</u> lower fertilizer / crop input costs will <u>encourage</u> higher 2023 U.S. Corn
 Acres – ≈ 92 million acres

• Compared to: 88.6 mln. ac.²⁰²²; 93.3 mln. ac.²⁰²¹; 90.7 mln. ac.²⁰²⁰

U.S. Corn Acreage for 2010-2023

As of the February 8, 2023 USDA NASS & WASDE Reports





What to anticipate: Year 2023

- 7) <u>USDA Reports</u> ⇒ Often a "driver" of grain market volatility
 - WASDE: Jan. 12, 2/8***, 3/8, 4/8, 5/12, 6/9, 7/12, 8/11, 9/12.....
 - Planted Area: Prospective Plantings May 31, Acreage June 30
- <u>"Strong" Demand-Pull for Feedgrains in Kansas²⁰²³</u>
 - Summer demand for "New Crop" supplies (i.e. "users scrambling!")

U.S. Corn Supply and Demand

	2021/2022	2022/2023	Change from	Change from
Item	estimate	forecast	January 12	2021/2022
Planted area (million acres)	93.3	88.6	-	-4.7
Harvested area (million acres)	85.3	79.2	-	-6.1
Yield (bushels per acre)	176.7	173.3		-3.3
		Million	bushels	-
Beginning stocks	1,235	1,377		142
Production	15,074	13,730		-1,344
Imports	24	50		26
Total supply	16,333	15,157		-1,176
Feed and residual	5,718	5,275		-443
Food, seed, and industrial	6,766	6,690	-25	-76
Ethanol	5,326	5,250	-25	-76
Domestic use	12,484	11,965	-25	-519
Exports	2,471	1,925		-546
Total use	14,956	13,890	-25	-1,066
Ending stocks	1,377	1,267	25	-110
		Pe	rcent	-
Stocks to use ratio	9.2	9.1	0.2	-0.1
	-	Dollars	per bushel	
Average market price	6.00	6.70		0.70

February 8, 2023





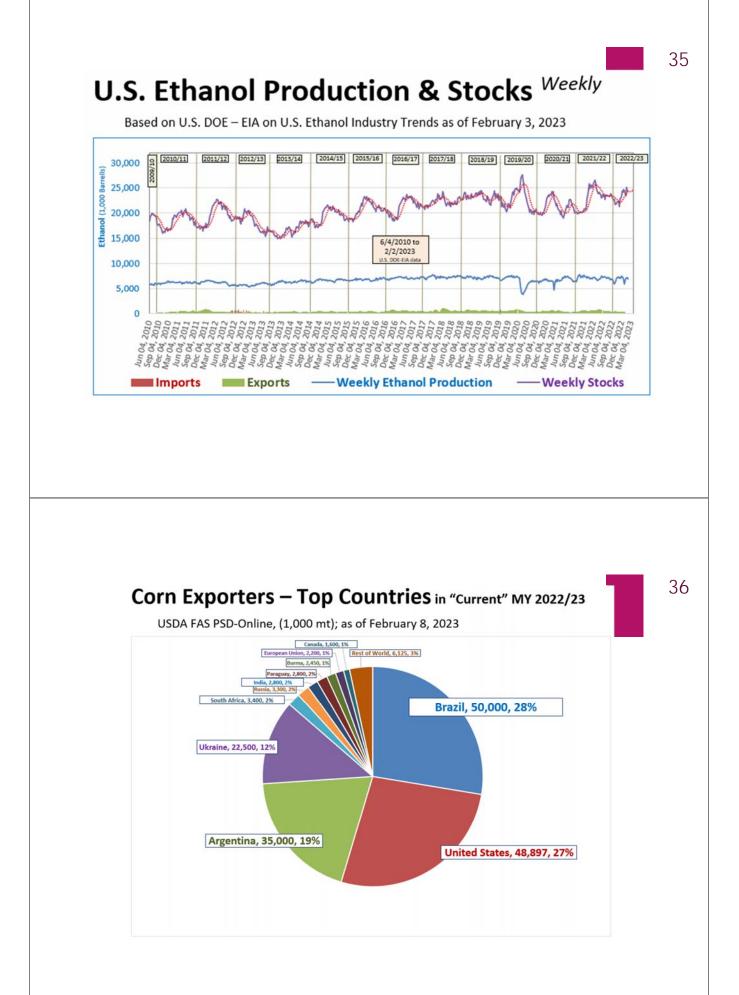
Grain

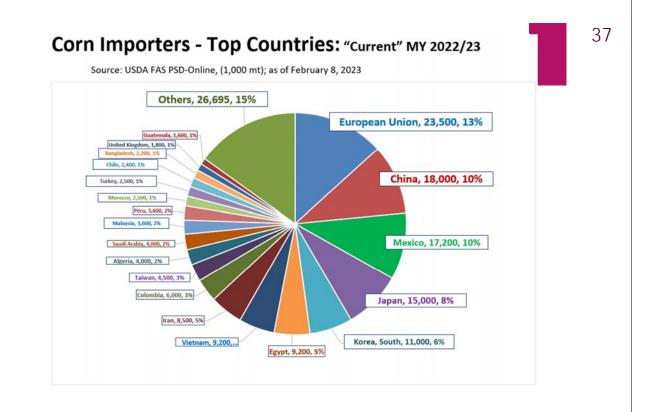
National Daily Ethanol Report

Agricultural Marketing Service Livestock, Poultry, and Grain Market News

February 10, 2023

Oralli						
			US #	2 Yellow Corn -Bulk		
Ethanol Plant						
State/Province/Region	Sale Type	Basis (¢/bu)	Basis Change	Price (\$/Bu)	Price Change	Average
Illinois	Bid	-13.00H to 40.00H	UNCH	6.5775-7.1075	DN 0.0775	6.8161
Indiana	Bid	-15.00H to 13.00H	UNCH-DN 2	6.5575-6.8375	DN 0.0775-DN 0.0975	6.7675
Iowa East	Bid	-20.00H to 10.00H	UNCH	6.5075-6.8075	DN 0.0775	6.6666
Iowa West	Bid	5.00H to 50.00H	UNCH-UP 2	6.7575-7.2075	DN 0.0775-DN 0.0575	7.0216
Kansas	Bid	40.00H to 85.00H	DN 5	7.1075-7.5575	DN 0.1275	7.3575
Michigan	Bid	-30.00H to -17.00H	UNCH	6.4075-6.5375	DN 0.0775	6.4650
Minnesota	Bid	-25.00H to 31.00H	UNCH	6.4575-7.0175	DN 0.0775	6.7892
Missouri	Bid	5.00H to 50.00H	UNCH	6.7575-7.2075	DN 0.0775	6.9200
Nebraska	Bid	20.00H to 85.00H	UNCH	6.9075-7.5575	DN 0.0775	7.1106
Ohio	Bid	-10.00H to 12.00H	UNCH	6.6075-6.8275	DN 0.0775	6.7225
South Dakota	Bid	-10.00H to 50.00H	UNCH	6.6075-7.2075	DN 0.0775	6.8606
Wisconsin	Bid	-45.00H to -17.00H	UNCH	6.2575-6.5375	DN 0.0775	6.3875

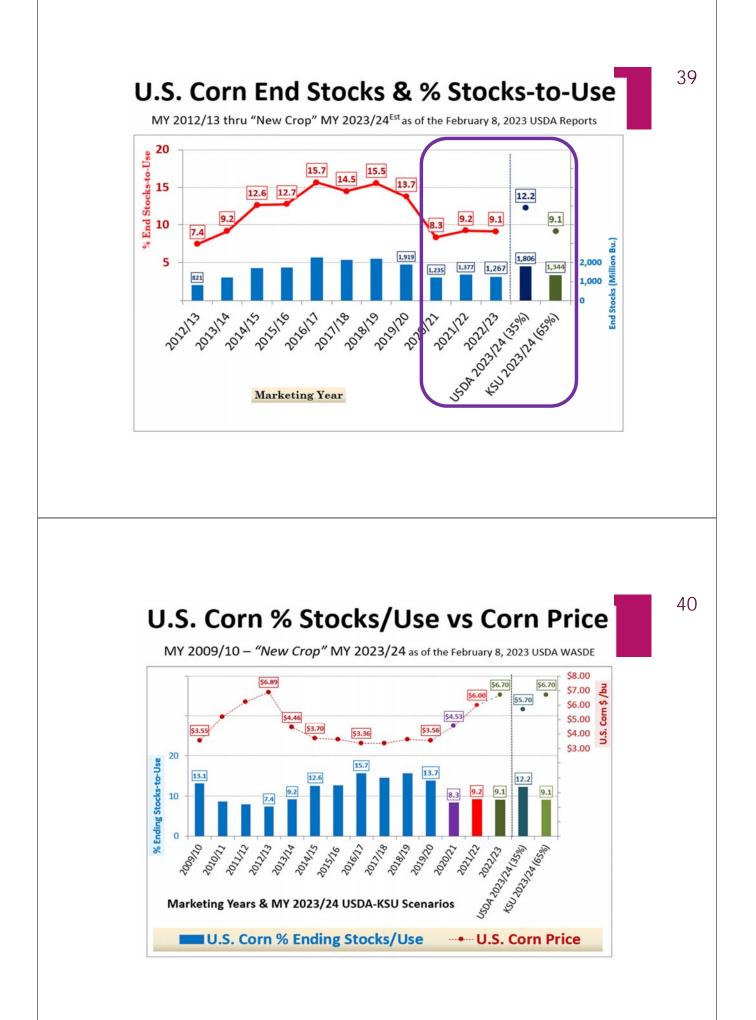




U.S. Corn Supply-Demand Balance Sheet

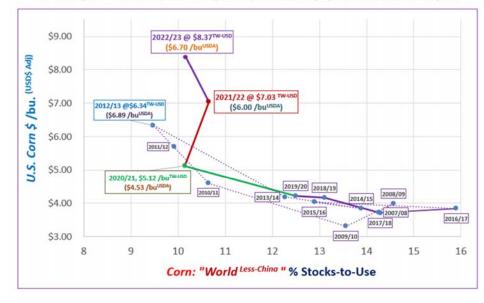
"Current" MY 2022/23 & Pro	j. "New Crop" MY 2023/24	as of the 2/8/2023 USDA	WASDE + KSU Ests
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Item	USDA 2022/23 1/12/2023 WASDE 172.3 bu/ac 13.730 bb crop	A. USDA "New Crop" MY 2023/24 Semain #1 "High Yields" = 181.5 bu/ac 15.265 bb crop	B. USDA "New Crop" MY 2023/24 Somario #1 "Average Yields" = 176.0 bu/ac 14.802 bb crop
% Probability of Occurring (KSU)	75% ^{KSUest}	35%KSUest	65%KSUest
Planted Area (million acres)	88.579	92.000	92.000
Harvested Area (million acres)	79.207	84.100	84.100
% Harvested/Planted Area	89.42%	91.41%	91.41%
Yield / harvested acre (bu/ac)	172.3	181.5	176.0
		Million Bushels	
Beginning Stocks (million bushels)	1,377	1,267	1,267
Production (million bu.)	13,730	15,265	14,802
Imports (million bu.)	50.0	25.0	25.0
Total Supply (million bu.)	15,157	16,556	16,094
Ethanol for fuel Use (million bu.)	5,250	5,325	5,325
Food & Industrial Use (min bu.)	1,419.4	1,419.4	1,419.4
Seed Use (million bu.)	30.6	30.6	30.6
Exports (million bu.)	1,925	2,275	2,275
Feed & Residual Use (million bu.)	5,275	5,700	5,700
Total Use (million bu.)	13,890	14,750	14,750
Ending Stocks (million bu.)	1,267	1,806	1,344
% Ending Stocks-to-Use	9.12%	12.07%	9.11%
Days of Supply (% s/U x 365 days)	33.3 days	44.1 days	33.3 days
U.S. Corn Average Farm Price (\$/bushel)	\$6.70 USDA \$6.61 KSU	\$5.70 USDA	\$6.70 KSU



U.S. Corn \$^{USD\$ Adj.} vs "World Less-China</sup>" % S/U

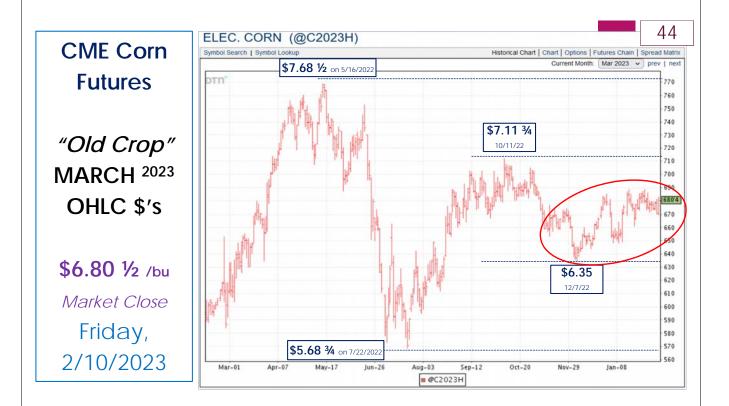
MY 2007/08 - "Current" MY 2022/23 as of the February 8, 2023 USDA WASDE Report

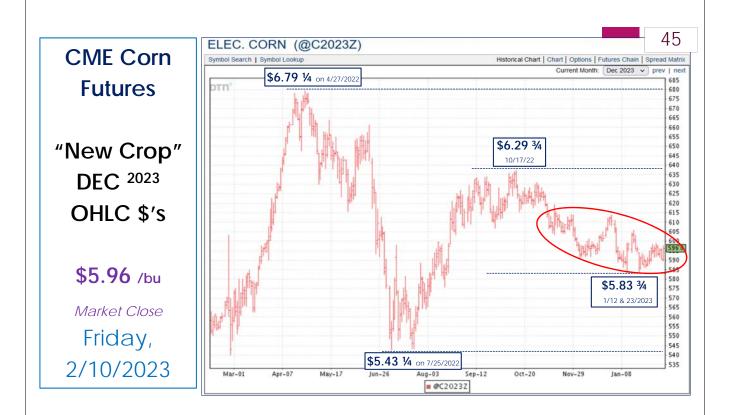


Corn Market Prices



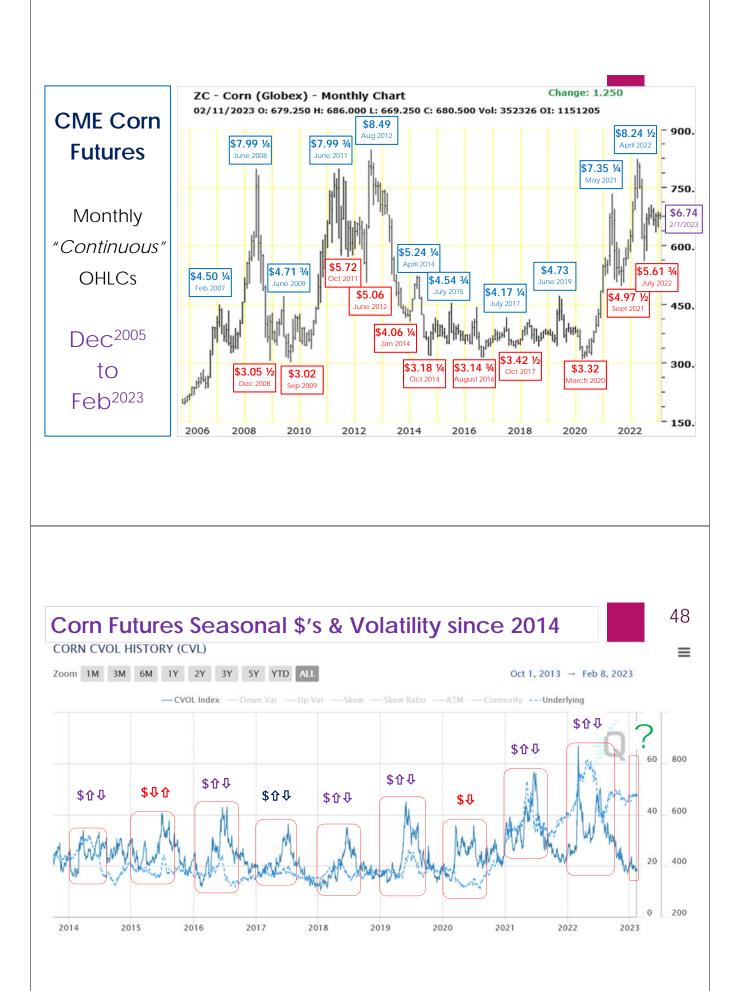
Month	Close	Change	Carry /mo
Mar ^{Lead} 23	\$6.80 ¹ / ₂	압 \$0.09 ¾	
May 23	\$6.78 ¹ / ₄	압 \$0.09 ¼	-\$0.01 ¹²⁵
July 23	\$6.66 1/2	압 \$0.07 ⅔	-\$0.05 ⁸⁷⁵
Sept 23	\$6.10	압 \$0.05 ¾	-\$0.28 ²⁵
Dec ^{Hvst} 23	\$5.96	압 \$0.05 ½	-\$0.04 ⁶⁶⁷
Mar 24	\$6.03 ¹ / ₄	압 \$0.05 ½	+\$0.02417
May 24	\$6.07	압 \$0.05	+\$0.01 ⁸⁷⁵
July 24	\$6.06 1/2	① \$0.05	-\$0.0025

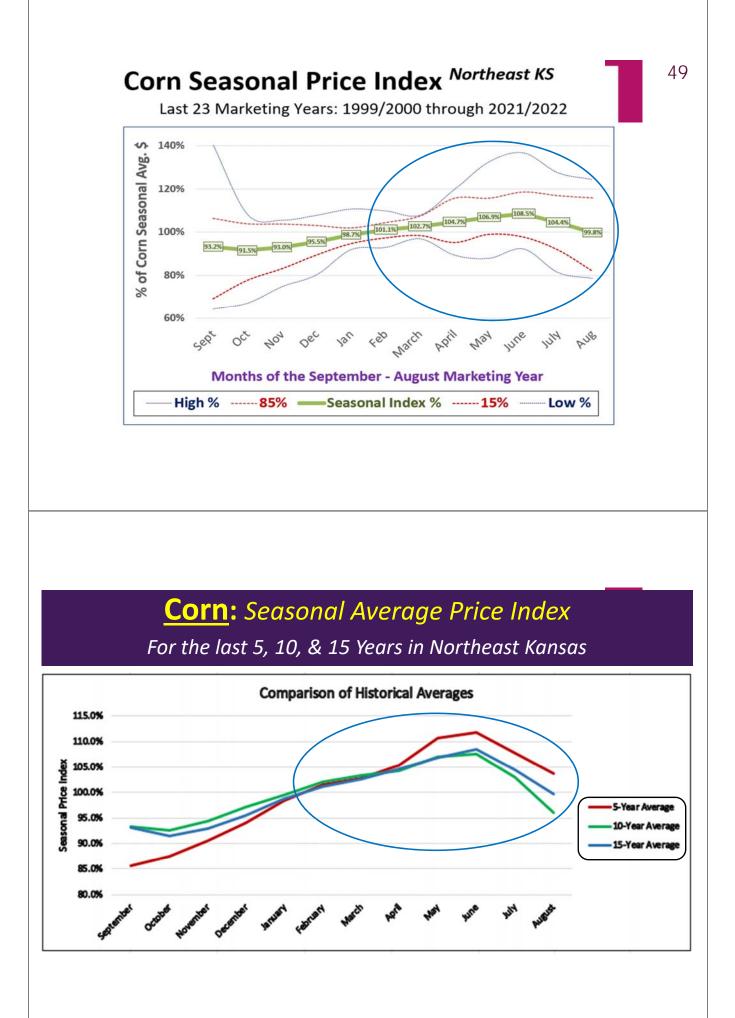




CME Corn Futures Continuous Weekly to 2/10/2023

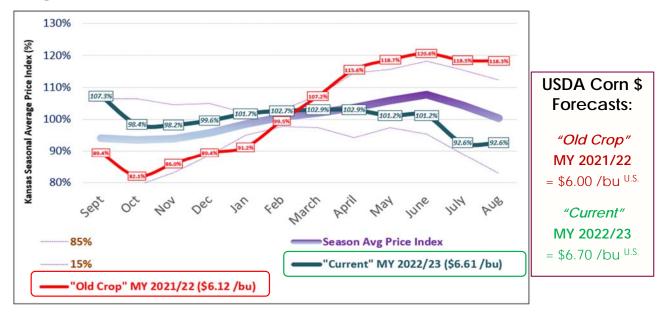




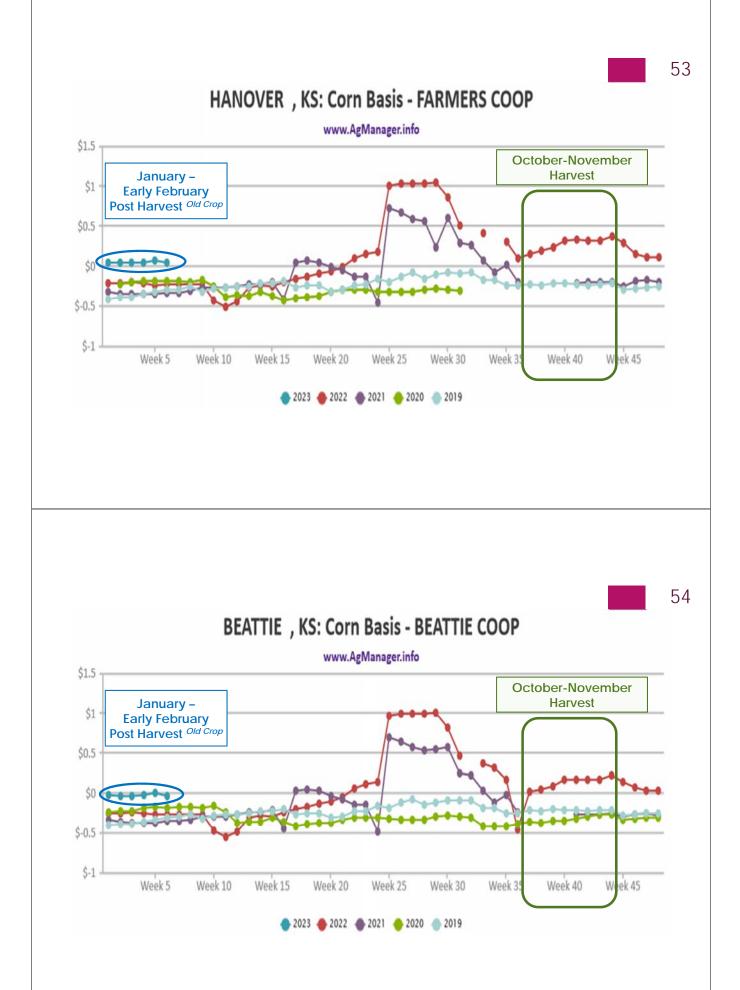


Corn Seasonal Prices Kansas-U.S.

Long Term Seasonal \$ Trends + MY 2021/22 & "Current" MY 2022/23 As of 2/10/2023

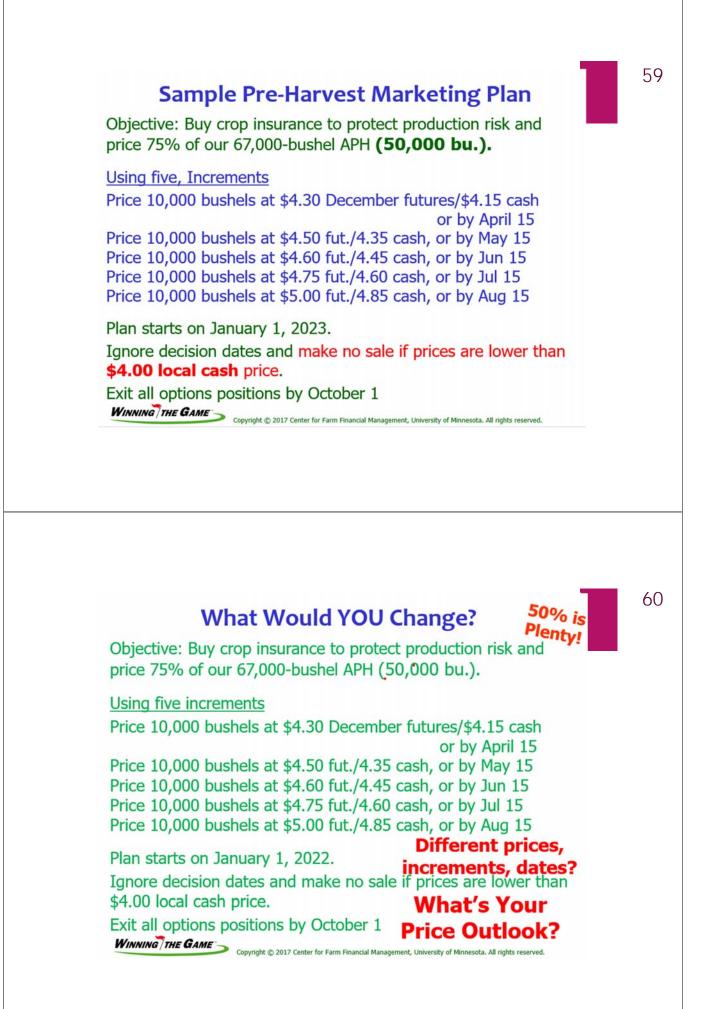


My DTN Cash Bids						Friday	, Febru	ary 10,	, 2023	52
Elevator/Location	Feb 2023	Mar 2023	Apr 2023	May 2023	Jun 2023	Jul 2023	Sep 2023	Oct 2023	Nov 2023	
FARMERS COOP HERKIMER, KS	6.77	6.80	6.83	6.87	6.83	6.83			5.63	
HOME CITY GRAIN HOME, KS	6.76									Elevator
FARMERS COOP- MARIETTA MARIETTA, KS	6.77	6.80	<mark>6.83</mark>	6.87	6.83	6.83			5.63	- New Crop FC Basis:
FARMERS COOP BLUE RAPIDS, KS	6.85	6.88	6.91	6.95	6.91	6.91			5.71	\$0.18 to
FARMERS COOP WATERVILLE, KS	6.85	6.88	6.91	6.95	6.91	6.96				\$0.37 <u>under</u>
FARMERS COOP BEATTIE, KS	6.77	6.80	6.83	6.87	6.83	6.83			5.63	DEC ²³
FARMERS COOP SHUTTLE FRANKFORT, KS	6.92	6.96	6.98	7.01	6.96	6.97			5.78	
FARMERS COOP HANOVER, KS	6.85	6.88	6.91	6.95	6.91	6.91		-	5.71	
FARMERS COOP FRANKFORT, KS	6.77	6.80	6.83	6.87	6.83	6.83			5.63	
FARMERS COOP BARNESTON, NE	6.73	6.76	6.79	6.83	6.79	6.79			5.59	



2023 Corn Cost-Return Budg		0.00		2020-00-040		
em ICOME	unit	price	quantity	amount	Sub-total	2023 Corn Costs
Product Corn - Northeast KS	bu	\$6.03	145.00	\$874.35	\$874.35	Northeast KS
TOTAL INCOME			\smile		\$874.35	
RECT EXPENSES						Yield = 145 bu /ac
Additional labor				-	\$0.96 \$7.57	\sim rieid = 145 Du / ac
Crop insurance				-	\$27.38 \$19.32	
Diesel				-	\$15.71 \$204.96	Total Direct Expenses
Fertilizers				-	\$30.72	→ = \$3.86 /bu
Herbicides Miscellaneous				-	\$115.43 \$10.28	- \$5.007.00
Operator labor Repair & Maintenance	••••••				\$6.25 \$14.81	Total of ALL Expenses
Seeds Interest on operating capital	8% pe	rcent on c	direct expen	ses	\$84.15 \$21.50	
TOTAL DIRECT EXPENSES					\$559.05	= \$5.08 /bu
Total direct expenses per bu \$3.86				/		
Cash rent					\$125.00 \$52.40	
TOTAL FIXED EXPENSES					\$177.40	
Total expenses per bu \$5.08					0177.40	
TURNS ABOVE DIRECT EXPENSES					\$315.30	
000 Irrigated Corn (cer	nter-piv	ot) C	cost-R	eturn	Budge	t 56
n OME	nter-piv nsas (Av ^{unit}		cost-R e yield		Budge	2023 Irrigated Corn
n			quantity	amount		
n OME Product	unit	price	quantity	amount	Sub-total	2023 Irrigated Corn
n Product Corn - North Central KS TOTAL INCOME ECT EXPENSES	unit	price	quantity	amount	\$1,432.80	2023 Irrigated Corn Northeast KS
n Product Corn - North Central KS TOTAL INCOME RECT EXPENSES Additional labor Crop insurance	unit	price	quantity	amount	\$1,432.80 \$1,432.80 \$1,432.80 \$0.81 \$17.53	2023 Irrigated Corn
n COME Product TOTAL INCOME RECT EXPENSES Additional labor Crop insurance Custom Operations Diesel	unit	price	quantity	amount	\$1,432.80 \$1,432.80 \$1,432.80 \$0.81 \$17.53 \$29.76 \$22.91	2023 Irrigated Corn Northeast KS Yield = 240 bu /ac
n COME Product Corn - North Central KSTOTAL INCOME EECT EXPENSES Additional labor Crop insurance Custom Operations Diesel Fertilizers Fertilizers Herbicides	unit	price	quantity	amount	\$1,432.80 \$1,432.80 \$1,432.80 \$1,432.80 \$0.81 \$17.53 \$29.76 \$22.91 \$265.29 \$110.63	2023 Irrigated Corn Northeast KS
n Come Product Com - North Central KS TOTAL INCOME RECT EXPENSES Additional labor Crop insurance Custom Operations Diesel Fertilizers	unit	price	quantity	amount	\$0.81 \$1,432.80 \$1,432.80 \$1,432.80 \$0.81 \$17.53 \$29.76 \$22.91 \$205.29	2023 Irrigated Corn Northeast KS Yield = 240 bu /ac
n COME Product Corn - North Central KSTOTAL INCOME ECT EXPENSES Additional labor Crop insurance Custom Operations Diesel Fertilizers Herbicides Irrigation labor Irrigation energy (NG) Irrigation energy Miscellaneous	unit	price	quantity	amount	\$ub-total \$1,432.80 \$1,432.80 \$0.81 \$17.53 \$22.76 \$22.91 \$265.29 \$110.63 \$53.20 \$8.10 \$12.10	2023 Irrigated Corn Northeast KS Yield = 240 bu /ac Total Direct Expenses
n COME Product Corn - North Central KSTOTAL INCOME RECT EXPENSES Additional labor Crop insurance Custom Operations Diesel Fertilizers Herbicides Irrigation energy (NG) Irrigation labor Miscellaneous Operator labor Miscellaneous Operator labor	unit	price	quantity	amount	\$1,432.80 \$1,432.80 \$1,432.80 \$1,432.80 \$17,53 \$29.76 \$22.91 \$265.29 \$110.63 \$53.20 \$8.10 \$12.10 \$2.89 \$23.50	2023 Irrigated Corn Northeast KS Yield = 240 bu /ac Total Direct Expenses = \$2.97 /bu
n Come Product Corn - North Central KSTOTAL INCOME RECT EXPENSES Additional labor Crop insurance Custom Operations Diesel Fertilizers Herbicides Irrigation labor Miscellaneous Operator labor	bu	\$5.97	quantity	amount	\$ub-total \$1,432.80 \$1,432.80 \$1,432.80 \$17.53 \$29.76 \$22.91 \$265.29 \$110.63 \$53.20 \$8.10 \$12.10 \$28.95	2023 Irrigated Corn Northeast KS Yield = 240 bu /ac Total Direct Expenses = \$2.97 /bu Total of ALL Expenses
The search of t	bu	\$5.97	quantity 240.00	amount	\$ub-total \$1,432.80 \$1,432.80 \$1,432.80 \$17,537 \$22,91 \$265.29 \$110,63 \$53.20 \$8.10 \$12,10 \$12,10 \$12,10 \$13,02 \$23,50 \$13,02 \$23,50 \$13,02 \$27,41	2023 Irrigated Corn Northeast KS Yield = 240 bu /ac Total Direct Expenses = \$2.97 /bu
The second seco	bu	\$5.97	quantity 240.00	amount	\$ub-total \$1,432.80 \$1,432.80 \$0.81 \$17.53 \$22.91 \$225.29 \$110.63 \$53.20 \$8.10 \$12.10 \$8.48 \$23.50 \$133.02 \$23.50 \$133.02 \$27.41 \$712.66	2023 Irrigated Corn Northeast KS Yield = 240 bu /ac Total Direct Expenses = \$2.97 /bu Total of ALL Expenses
The second seco	bu	\$5.97	quantity 240.00	amount	\$ub-total \$1,432.80 \$4,432.80 \$1,432.80 \$1,432.80 \$17,53 \$29.76 \$22.91 \$265.29 \$110.63 \$53.20 \$8.10 \$12.10 \$8.86 \$23.50 \$133.02 \$27.41	2023 Irrigated Corn Northeast KS Yield = 240 bu /ac Total Direct Expenses = \$2.97 /bu Total of ALL Expenses = \$4.83 /bu
m COME Product Com - North Central KS TOTAL INCOME RECT EXPENSES Additional labor Crop insurance Custom Operations Diesel Fertilizers Herbicides Irrigation energy (NG) Irrigation en	bu	\$5.97	quantity 240.00	amount	\$ub-total \$1,432.80 \$1,432.80 \$1,432.80 \$0.81 \$17.53 \$22.91 \$225.29 \$110.63 \$53.20 \$8.10 \$12.10 \$8.46 \$23.50 \$133.02 \$23.50 \$133.02 \$27.41 \$712.66 \$195.00 \$251.62	2023 Irrigated Corn Northeast KS Yield = 240 bu /ac Total Direct Expenses = \$2.97 /bu Total of ALL Expenses = \$4.83 /bu
m COME Product Corn - North Central KS TOTAL INCOME RECT EXPENSES Additional labor Crop insurance Custom Operations Diesel Fertilizers Herbicides Irrigation labor Miscellaneous Operator labor Repair & Maintenance Seeds Interest on operating capital TOTAL DIRECT EXPENSES Total direct expenses per bu \$2.97 (ED EXPENSES Cash rent	bu	\$5.97	quantity 240.00	amount	Sub-total \$1,432.80 \$1,432.80 \$1,432.80 \$0.81 \$17.53 \$22.91 \$265.29 \$110.63 \$53.20 \$8.10 \$12.10 \$2.85 \$110.63 \$23.50 \$12.10 \$2.85 \$12.10 \$2.85 \$133.02 \$27.41 \$712.66 \$195.00 \$251.62	2023 Irrigated Corn Northeast KS Yield = 240 bu /ac Total Direct Expenses = \$2.97 /bu Total of ALL Expenses = \$4.83 /bu
Com - North Central KSTOTAL INCOME RECT EXPENSES Additional labor Crop insurance Custom Operations Diesel Fertilizers Herbicides Irrigation energy (NG) Irrigation labor Miscellaneous Operator labor Repair & Maintenance Seeds Interest on operating capitalTOTAL DIRECT EXPENSESTotal direct expenses per bu \$2.97 XED EXPENSES Cash rent Capital recovery (depreciation + interest)TOTAL FIXED EXPENSES	bu	\$5.97	quantity 240.00	amount	Sub-total \$1,432.80 \$1,432.80 \$1,432.80 \$17,53 \$22.91 \$265.29 \$110.63 \$53.20 \$8.10 \$12.10 \$2.85 \$12.10 \$2.350 \$12.10 \$2.350 \$133.02 \$27.41 \$712.66 \$195.00 \$251.62 \$446.62	2023 Irrigated Corn Northeast KS Yield = 240 bu /ac Total Direct Expenses = \$2.97 /bu Total of ALL Expenses = \$4.83 /bu





✓ What's a Realistic Max Price Target?

Let's start with the seasonals

		Jan 1	Preharvest		Percent
	2008/22	Price	Max Price	Change	Change
	2008	\$4.80	\$7.88	\$3.08	64%
	2009	\$4.56	\$4.73	\$0.17	4%
	2010	\$4.45	\$5.22	\$0.77	17%
	2011	\$5.53	\$7.75	\$2.23	40%
D	2012	\$5.90	\$8.39	\$2.49	42%
Preharvest: On	2013	\$5.92	\$5.94	\$0.01	0%
average, 25% of	2014	\$4.48	\$5.13	\$0.65	14%
KS corn is	2015	\$4.20	\$4.52	\$0.32	8%
narvested by the	2016	\$3.77	\$4.49	\$0.72	19%
last week of	2017	\$3.84	\$4.15	\$0.31	8%
September; and	2018	\$3.87	\$4.27	\$0.40	10%
25% of KS milo	2019	\$3.98	\$4.69	\$0.70	18%
by mid-October.	2020	\$4.05	\$4.05	\$0.00	0%
	2021	\$4.35	\$6.37	\$2.02	46%
-	2022	\$5.48	\$7.66	\$2.18	40%

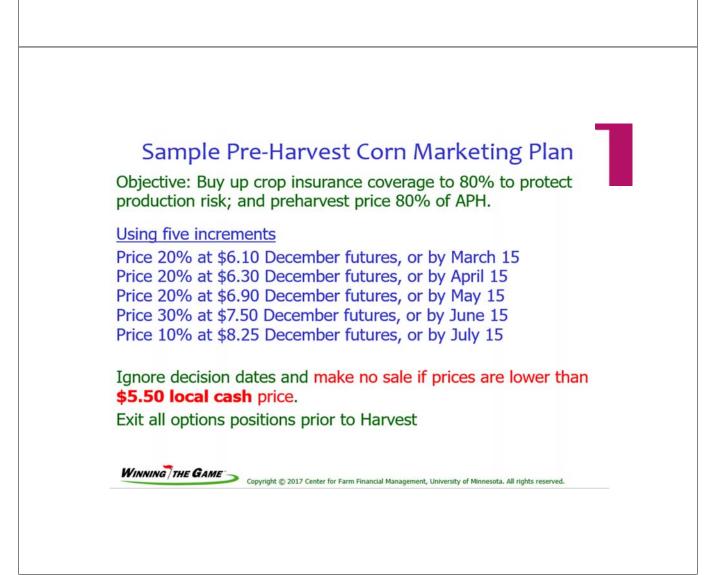
	2023	\$6.07	\$6.07	\$0.00	0%
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Let's put'em in order of "Change"

Let's put en in order of change						
	Fifteen Years: CME December Corn Futures					
33% of the time; prices rise \$2.00 or more (>40%)		Jan 1	Preharvest		Percent	
	2008/22	Price	Max Price	Change	Change	
	2008	\$4.80	\$7.88	\$3.08	64%	
	2012	\$5.90	\$8.39	\$2.49	42%	
	2011	\$5.53	\$7.75	\$2.23	40%	
	2022	\$5.48	\$7.66	\$2.18	40%	
	2021	\$4.35	\$6.37	\$2.02	46%	
67% of the time; prices rise \$0.40 or more (>10%)	2010	\$4.45	\$5.22	\$0.77	17%	
	2016	\$3.77	\$4.49	\$0.72	19%	
	2019	\$3.98	\$4.69	\$0.70	18%	
	2014	\$4.48	\$5.13	\$0.65	14%	
	2018	\$3.87	\$4.27	\$0.40	10%	
87% of the time; prices rise \$0.17 or MORE	2015	\$4.20	\$4.52	\$0.32	8%	
	2017	\$3.84	\$4.15	\$0.31	8%	
	2009	\$4.56	\$4.73	\$0.17	4%	
13% of the time; there was no change	2013	\$5.92	\$5.94	\$0.01	0%	
	2020	\$4.05	\$4.05	\$0.00	0%	
WINNING THE GAME	Conversion to 2017 Co		ncial Management Universit			

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Preharvest Marketing Plan	WINNING THE GAME						
Objective: Buy crop insurance to protect my production risk and price 50 % of my anticipated crop (based on APH yield) or $60,000$ bushels.							
Price $5,000$ bushels at \$_\$5.90 cash price (\$							
(contract month) using	FC, Hedge, Basis Contract						
Price 5,000 bushels at \$ \$6.15 f/ \$5.95 c, or by 3/15/23, 2023, using	FC, Hedge, Basis Contract						
Price 10,000 bushels at \$ \$6.40 f/ \$6.20 c, or by 4/15/23, 2023, using	FC, Hedge, Basis Contract						
Price 10,000 bushels at \$ \$6.65 f/ \$6.45 c, or by 5/15/23, 2023, using	FC, Hedge, Basis Contract						
Price 10,000 bushels at \$ \$6.90 f/ \$6.70 c, or by 6/1/23 , 2023, using	FC, Hedge, Basis Contract						
Price 10,000 bushels at \$ \$7.15 f/ \$6.95 c, or by 6/15/23 2023, using	FC, Hedge, Basis Contract						
Price 10,000 bushels at \$ \$7.40 f/ \$7.20 c, or by 7/15/23, 2023, using	FC, Hedge, Basis Contract						
Plan starts on February 14, 2023 . Completed by July 15, 20							
	\$5.25 Cost+ Minimum cash price.						



Marysville, KS ^{2/13/2023} WTG Corn Marketing Wkshp.

Preharvest Marketing Plan

Objective: Buy crop insurance to protect my production risk and price <u>50</u>% of my anticipated crop (based on APH yield) or <u>60,000</u> bushels.

Price 5,000 bushels at \$ \$5.90 cash price (\$	- DEC 2023 futures	5)
	(contract month) using _	FC, Hedge, Basis Contract
Price 5,000 bushels at \$ \$6.15 f/ \$5.95 c, or by	3/15/23 , 2023, using	FC, Hedge, Basis Contract
Price 10,000 bushels at \$ \$6.40 f/ \$6.20 c, or by	4/15/23 , 2023, using _	FC, Hedge, Basis Contract
Price 10,000 bushels at \$ \$6.65 f/ \$6.45 c, or by	5/15/23 , 2023, using _	FC, Hedge, Basis Contract
Price 10,000 bushels at \$ \$6.90 f/ \$6.70 c, or by	6/1/23 , 2023, using _	FC, Hedge, Basis Contract
Price 10,000 bushels at \$ \$7.15 f/ \$6.95 c, or by	6/15/23 , 2023, using _	FC, Hedge, Basis Contract
Price 10,000 bushels at \$ \$7.40 f/ \$7.20 c, or by	7/15/23 , 2023, using	FC, Hedge, Basis Contract
Plan starts on February 14, 2023 Comp	July 15, 20	

 Ignore decision dates and make no sale if prices are lower than \$
 \$5.25 Cost+ Minimum

 \$?.??
 (month/commodity) futures / \$
 \$?.??
 local cash price.

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WINNING THE GAME



