



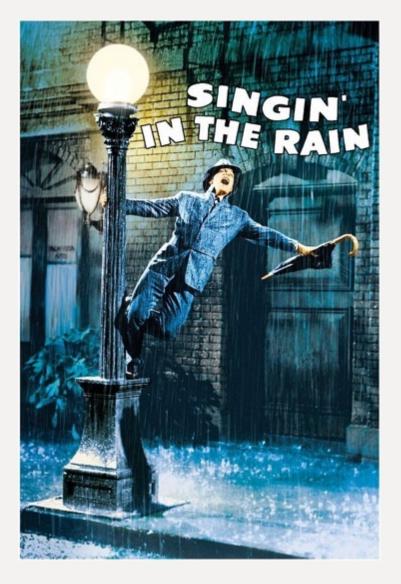






Key Market Drivers - 7.11.23

 ¥USDA July WASDE on Wednesday
¥Weather still looking good for corn belt
¥Something's UP with SBO?



Top Headlines / Macro News / Upcoming Reports



USDA July WASDE: You might think this would be an important report, but volatility on report day puts somewhere between 9th & 12th priority... However, the trade will be keenly focused on corn and soybean yields, as well as the 1st official wheat "by-class" production

Recent/Upcoming Reports

• USDA July WASDE – July 12... see preview slide

USDA July WASDE

USDA 2022/23 U.S. Grain Ending Stocks

(million bushels)		Average	Range of		Previous
	USDA	Estimate	Estimates	Previous	Year
Corn	1,402	1,421	1,315-1,502	1,452	1,377
Soybeans	255	233	205-270	230	274

USDA 2023/24 U.S. Grain Ending Stocks

(million bushels)		Average	Range of	USDA	Previous
	USDA	Estimate	Estimates	Previous	Year
Corn	2,262	2,249	1,951-2,652	2,257	1,402
Soybeans	300	195	125-280	350	255
Wheat	592	568	533-607	562	580

USDA 2023/24 U.S. Production		(non-objec	ctive estimate)		
(million bushels)		Average	Range of	USDA	Last
	USDA	Estimate	Estimates	June	Year
<u>Corn</u>					
Production	15,320	15,164	14,326-15,530	15,265	13,730
Yield (bu/acre)	177.5	176.1	172.0-180.0	181.5	173.3
<u>Soybeans</u>					
Production	4,300	4,244	4,135-4,314	4,510	4,276
Yield (bu/acre)	52.0	51.2	48.8-52.0	52.0	49.5

MP

USDA 2023/24 U.S. Wheat Production (million bushels) Range of USDA Average Last USDA Previous Estimate Estimates Year All Wheat 1.739 1.682 1.612-1.730 1.665 1.650 All Winter Wheat 1,206 1,147 1,100-1,190 1,136 1,104 525 Hard Red Winter 577 532 471-566 531 Soft Red Winter 422 369-422 402 337 407 White Winter 207 208 195-223 209 236 "Other Spring" 479 476 430-510 482 na Durum 54 60 55-70 64 na

- **CORN:** Tight old crop, but even below trend yield this year should bring stocks back to ample levels
- SOYBEANS: Tight old crop, but lower acres and below trend yield put ending stocks at pipeline levels
- WHEAT: 1st official "by-class" production estimates... expect slightly larger SRW and HRW crops

Agronomy Minute – Sex in a corn field





R1 Silking - Silking is one of the most critical stages in determining yield potential. For an individual plant it is when the silks are visible. For a field to be in the R1 stage, the average silking date is used. The average silking date is when 50% of the plants have started to silk. Pollination begins at the base and proceeds toward the tip. Potassium uptake is complete, an d nitrogen and phosphorus uptake is occurring rapidly. Physiological maturity can be estimated by adding 50 to 55 days to the silking date.



Market Factors

Bullish vs Bearish



Corn



Futures... September \downarrow 1 ¹/₄-cents (0.3%)...

- Brazil: Cordonnier 22/23 est. production unchanged at 132 MT with a neutral bias going forward. Safrinha corn 27% harvested vs. 41% YA.
- Argentina: Cordonnier 22/23 est. production unchanged at 35 MT with a neutral to slightly lower bias going forward... Corn is 51.6% harvested vs. 63.8% avg.
- US: 55% of crop rates as either good or excellent; 51% LW & 64% YA
- 22% of U.S. corn crop silking; 21% average...
- 67% of U.S. corn area in drought...70% last week; 29% YA...

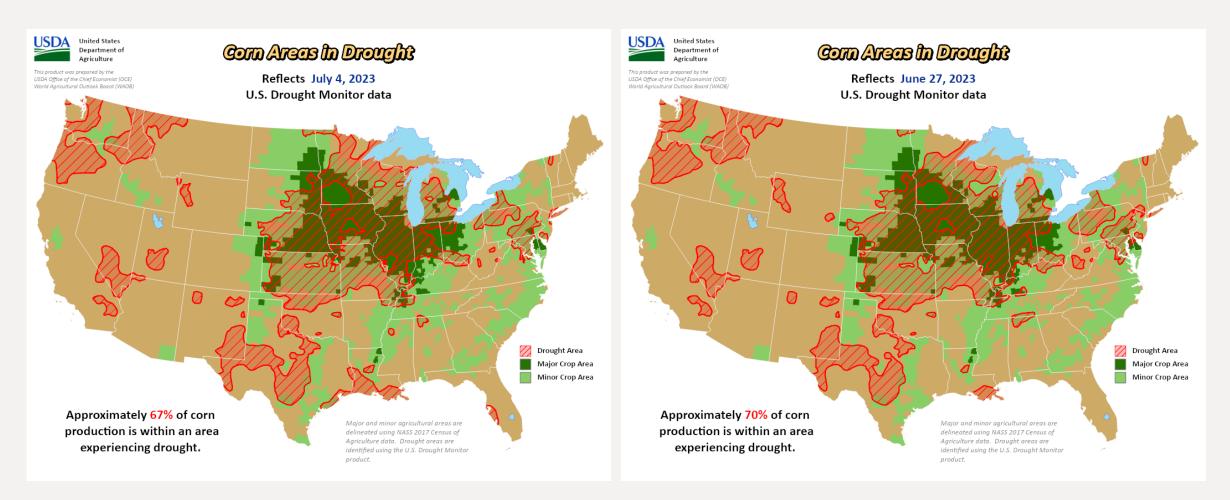


BULLISH MARKET FACTORS

- 67% of corn area still in drought...
- Soybean prices rising...
- BGSI problems?



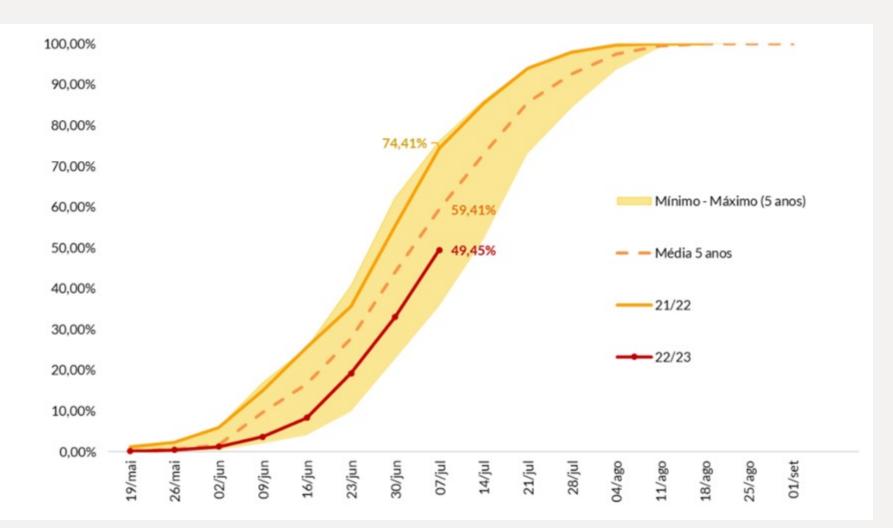
- 94.1 M corn acres...
- Record Brazil crop...
- Improving conditions...



This week

Last week

Brazilian Safrinha Corn Harvest



Corn Silking



Corn Silking – Selected States

[These 18 States planted 92% of the 2022 corn acreage]

		2019 2022		
State	July 9, 2022	July 2, 2023	July 9, 2023	2018-2022 Average
	(percent)	(percent)	(percent)	(percent)
Colorado	9	-	-	6
Illinois	13	5	27	33
Indiana	14	7	15	22
lowa	6	4	22	17
Kansas	32	19	36	35
Kentucky	48	23	38	50
Michigan	2	-	3	3
Minnesota	2	3	15	8
Missouri	33	21	52	43
Nebraska	7	3	21	15
North Carolina	67	55	74	75
North Dakota	9	3	9	5
Ohio	6	-	8	11
Pennsylvania	2	-	-	6
South Dakota	-	1	7	6
Tennessee	64	51	71	66
Texas	73	73	75	74
Wisconsin	1	-	2	4
18 States	14	8	22	21

- Represents zero.

Corn Dough



Corn Dough – Selected States

[These 18 States planted 92% of the 2022 corn acreage]

		2018-2022		
State	July 9, 2022	July 2, 2023	July 9, 2023	Average
	(percent)	(percent)	(percent)	(percent)
Colorado	3	(NA)	-	1
Illinois	-	(NA)	1	1
Indiana	-	(NA)	-	-
lowa	-	(NA)	1	-
Kansas	2	(NA)	4	4
Kentucky	3	(NA)	2	3
Michigan	-	(NA)	-	-
Minnesota	-	(NA)	1	-
Missouri	2	(NA)	3	1
Nebraska	-	(NA)	-	-
North Carolina	27	10	25	24
North Dakota	-	(NA)	-	
Ohio	-	(NA)	-	-
Pennsylvania		(NA)	-	-
South Dakota	-	(NA)	-	-
Tennessee	10	4	15	17
Texas	52	45	57	54
Wisconsin	-	(NA)	-	
18 States	2	(NA)	3	2

- Represents zero.

(NA) Not available.

Corn Condition

Corn Condition – Selected States: Week Ending July 9, 2023

[These 18 States planted 92% of the 2022 corn acreage]

State	Very poor	Poor	Fair	Good	Excellent
	(percent)	(percent)	(percent)	(percent)	(percent)
Colorado	2	10	13	60	15
Illinois	9	17	35	33	6
Indiana	4	9	34	48	5
lowa	2	7	30	53	8
Kansas	5	8	32	47	8
Kentucky	2	8	37	43	10
Michigan	8	14	42	30	6
Minnesota	2	8	29	48	13
Missouri	12	27	36	23	2
Nebraska	5	10	23	41	21
North Carolina	-	2	17	72	9
North Dakota	1	5	27	62	5
Ohio	1	4	28	57	10
Pennsylvania	4	16	40	30	10
South Dakota	2	7	35	47	9
Tennessee	2	6	24	51	17
Texas	3	7	26	51	13
Wisconsin	3	14	38	39	6
18 States	4	10	31	45	10
Previous week	4	11	34	43	8
Previous year	3	7	26	52	12

- Represents zero.



Wheat



- Futures WoW (July): CME ↑3¢ (+0.5%); KC ↑16¢ (+2.0%); MPLS ↑46¢ (+5.8%)...
- •INT'L PRICES: WoW change in ()... US-HRW, Gulf = \$335 (+2); US-SRW, Gulf = \$246 (+6); ARG, BA = \$340 (+2); FRA, Rouen = \$254 (+2); AUS, Kwinana = \$290 (-1); UKR = NQ; RUS = NQ, but trading @ \$235 (+3)
- •BSGI: Odds of an extension past the current 7/18 deadline continue to be slim, but talks continue WW cond. (G/Ex): US = 40% (-0-)... WW Harvest: 46% (59% avg)...
- •Spring Wheat conditions (G/Ex): 47% (-1)... Spring wheat headed 72% (67% avg)...



BULLISH MARKET FACTORS

- US HRW crop will be small
- CME specs covering shorts
- US ending stocks tight
- BSGI??



- US SRW conditions good/great
- US importing hard wheat
- World production continues to grow
- US corn bearish fundamentals

Wheat Harvest Results



<u>HRW</u>

- Harvest is well over 50% complete (TX=93%; OK=95%; KS=59%)
- Heavy rain in the Southern Plains is slowing progress. Yields are all over the map, from 5 to 50 bpa depending on region, but better than expected in many places
- US Wheat Associates: through 119 samples (of 500 expected) they report well above average protein (13.2% vs. 11.6%) and falling number slightly lower than average (361 vs. 370)

<u>SRW</u>

- Harvest is >70% complete (AR=97%; MO=95%; IL=88%; IN=62%)
- Yields are quite good regionally; IL leads the way with 90-110 bpa
- Little disease or pest pressure; quality looking very good
- US Wheat Associates: through 134 samples (of 300 expected) they report about average protein (9.5% vs. 9.5%) and falling number (325 vs. 309)



Harvest on Independence Day... Courtesy of US Wheat Associates and Colton Castle, Jet, OK

Winter Wheat Harvested



Winter Wheat Harvested – Selected States

[These 18 States harvested 90% of the 2022 winter wheat acreage]

		2019 2022		
State	July 9, 2022	July 2, 2023	July 9, 2023	2018-2022 Average
	(percent)	(percent)	(percent)	(percent)
Arkansas	98	93	97	99
California	78	40	50	79
Colorado	25	-	1	32
Idaho	-	-	1	2
Illinois	91	82	88	88
Indiana	80	36	62	71
Kansas	93	46	59	84
Michigan	7	-	3	8
Missouri	97	88	95	90
Montana	1	-	-	-
Nebraska	34	3	12	25
North Carolina	90	86	93	91
Ohio	77	5	32	63
Oklahoma	100	80	95	98
Oregon	1	-	6	6
South Dakota	9	1	9	6
Texas	97	86	93	94
Washington	2	-	1	3
18 States	62	37	46	59

- Represents zero.

Winter Wheat Condition



Winter Wheat Condition - Selected States: Week Ending July 9, 2023

[These 18 States planted 88% of the 2022 winter wheat acreage]

State	Very poor	Poor	Fair	Good	Excellent
	(percent)	(percent)	(percent)	(percent)	(percent)
Arkansas	1	14	26	48	11
California	-	-	20	60	20
Colorado	2	12	27	48	11
Idaho	2	12	33	50	3
Illinois	-	4	19	43	34
Indiana	2	4	22	59	13
Kansas	25	26	31	16	2
Michigan	4	20	55	20	1
Missouri	1	5	34	48	12
Montana	1	2	45	35	17
Nebraska	8	19	39	31	3
North Carolina	1	1	8	65	25
Ohio	1	2	25	59	13
Oklahoma	10	12	33	44	1
Oregon	6	40	35	19	-
South Dakota	17	19	35	26	3
Texas	11	21	29	30	9
Washington	2	13	31	49	5
	-	10	01	10	Ũ
18 States	11	17	32	33	7
Previous week	12	17	31	34	6
Previous year	24	19	26	25	6

- Represents zero.

Spring Wheat Progress

Spring Wheat Headed – Selected States

[These 6 States planted 100% of the 2022 spring wheat acreage]

		0010 0000			
State	July 9, 2022	July 2, 2023	July 9, 2023	- 2018-2022 Average	
	(percent)	(percent)	(percent)	(percent)	
Idaho Minnesota Montana North Dakota South Dakota Washington	79 30 37 34 79 72	62 67 33 47 89 90	84 90 65 65 95 98	78 79 54 66 84 89	
6 States	41	51	72	67	

Spring Wheat Condition – Selected States: Week Ending July 9, 2023

[These 6 States planted 100% of the 2022 spring wheat acreage]

State	Very poor	Poor	Fair	Good	Excellent
	(percent)	(percent)	(percent)	(percent)	(percent)
Idaho	1	4	29	62	4
Minnesota	-	4	34	62	-
Montana	1	7	42	47	3
North Dakota	7	15	36	40	2
South Dakota	12	17	42	28	1
Washington	1	20	31	44	4
6 States	4	12	37	45	2
Previous week	3	9	40	46	2
Previous year	1	4	25	63	7

- Represents zero.

Soy Complex



Futures: SB (Q) \downarrow 14 ¹/₄-cents (1%); SBO (Q) \uparrow 87 points (1.4%); SBM (Q) \downarrow \$11.10 (2.7%)...

- **Brazil:** Cordonnier 22/23 est. production unchanged at 155 MT with neutral bias going forward.
- Argentina: Cordonnier 22/23 est. production unchanged at 21 MT with neutral to bias going forward... Soybean harvest is complete.
- US: 51% of crop rates as either good or excellent; 50% LW & 62% YA
- 60% of U.S. soybean area in drought; 63% last week & 22% LY...

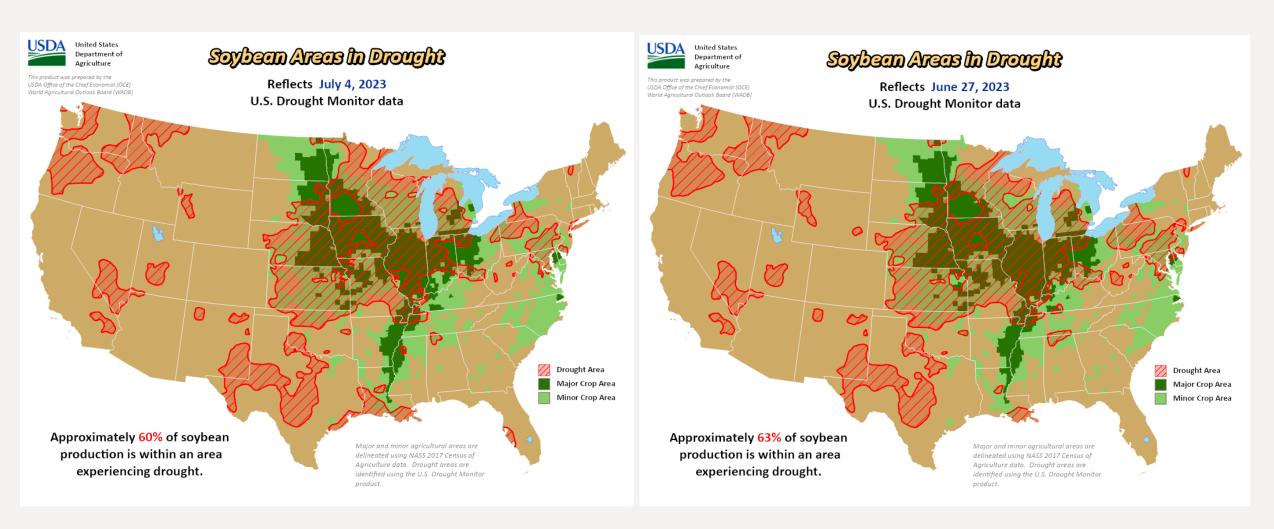


BULLISH MARKET FACTORS

- Only 83.5 M acres = NEED GOOD WEATHER...
- U.S. soybean supplies to remain tight...



- Improving weather & conditions...
- Chinese demand questionable...



This week

Last week

Soybeans Blooming

Soybeans Blooming – Selected States

[These 18 States planted 95% of the 2022 soybean acreage]

		2018 2022		
State	July 9, 2022	July 2, 2023	July 9, 2023	2018-2022 Average
	(percent)	(percent)	(percent)	(percent)
Arkansas	75	80	84	70
Illinois	26	25	40	34
Indiana	29	13	22	31
lowa	31	25	46	38
Kansas	14	16	32	27
Kentucky	29	18	33	25
Louisiana	92	73	85	86
Michigan	33	10	23	23
Minnesota	20	29	51	34
Mississippi	85	78	84	74
Missouri	18	22	37	23
Nebraska	38	20	43	42
North Carolina	36	20	32	25
North Dakota	20	10	37	25
Ohio	29	4	11	32
South Dakota	17	13	23	27
Tennessee	32	39	55	32
Wisconsin	27	8	22	32
18 States	30	24	39	35



Soybeans Setting Pods

M|P

Soybeans Setting Pods – Selected States

[These 18 States planted 95% of the 2022 soybean acreage]

		2018 2022		
State	July 9, 2022	July 2, 2023	July 9, 2023	2018-2022 Average
	(percent)	(percent)	(percent)	(percent)
Arkansas	40	40	49	34
Illinois	2	1	10	7
Indiana	4	-	2	7
lowa	3	2	7	6
Kansas	1	1	10	3
Kentucky	3	2	6	4
Louisiana	77	29	53	63
Michigan	6	-	1	2
Minnesota	1	1	12	4
Mississippi	45	38	61	34
Missouri	3	2	6	4
Nebraska	2	-	3	5
North Carolina	10	1	6	6
North Dakota	-	-	6	1
Ohio	4	-	1	3
South Dakota	-	-	-	2
Tennessee	6	8	21	8
Wisconsin	1	-	1	4
18 States	6	4	10	7

- Represents zero.

Soybean Condition



Soybean Condition – Selected States: Week Ending July 9, 2023

[These 18 States planted 95% of the 2022 soybean acreage]

State	Very poor	Poor	Fair	Good	Excellent
	(percent)	(percent)	(percent)	(percent)	(percent)
Arkansas	1	9	29	49	12
Illinois	11	18	35	31	5
Indiana	3	8	34	49	6
lowa	4	8	36	46	6
Kansas	2	7	34	51	6
Kentucky	1	10	34	47	8
Louisiana	-	4	17	71	8
Michigan	9	18	43	25	5
Minnesota	2	6	31	52	9
Mississippi	2	5	21	57	15
Missouri	9	23	42	23	3
Nebraska	7	12	26	41	14
North Carolina	-	1	27	66	6
North Dakota	2	10	37	47	4
Ohio	1	6	34	50	9
South Dakota	2	8	37	46	7
Tennessee	1	6	28	48	17
Wisconsin	4	16	38	37	5
18 States	4	11	34	44	7
Previous week	4	11	35	44	6
Previous year	2	7	29	52	10

- Represents zero.

7/11/23

July 1 - 10 Malaysian exports up sharply from June; 26% (ITS) & 19% AmSpec)... July 1 – 10 production (SPPOMA) up nearly 6%...

Veg Oil

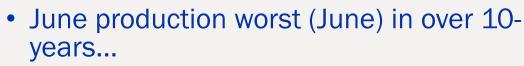
• ND canola crop rated 49% G/E; sun 46% G/E (7/9) ...

BULLISH MARKET FACTORS

FOB RBD...Palm (Sept) ↑ **\$10** (1.2%) to **\$857.50** Canola (X) ↑ **\$22.30** (3%)...

MPOB June stocks rise, but only 2% to 1.72. Well below expectations (1.85)

• 66% of SAS canola rated as good or excellent...



- MPOB stocks rise less than expected...
- (for PO anyway) Palm oil trading at large \$500 discount to competing oils...
- Canadian canola starting to struggle...



• MPOB stocks expected to rise over 2 MMT by year end...



Softs (Coffee, Cocoa, Sweeteners, OJ)



Futures...

- Last Friday, 07/07/2023, spot EOJU futures closed @ 271.40 vs. 254.75 WA.
- September cocoa finished the week with a loss of 47 points.
- July coffee finished the week with a another loss of 2.40 cents for the sixth negative weekly result in past seven weeks.
- October sugar finished the week with a gain of 74 ticks (3.2%) breaking a two week losing streak.



- Black pod disease now a concern in West African cocoa growing regions.
- Strength in energy markets supporting the sugar market.



- Dry Brazilian coffee growing regions have aided in quicker Brazilian harvest with some areas now ahead of average pace.
- 23/24 Center South production estimates coming in at 38.2 MT vs. 33.73 MT YA.

Protein Complex

Futures

- Futures: Live Cattle \$177.000 down .1% vs Last Week, up 19.6% vs Last Year
- Futures: Feeder Cattle \$245.425 down .9% vs Last Week, up 24.1% vs Last Year
- Futures: Lean Hogs \$99.000 up 3.5% vs Last Week, down .4% vs Last Year



- Year to date total beef cow slaughter is down 15%
- USDA on Friday reported for the month of May, beef imports were up 6% while exports fell 16% from last year



- Cash prices for beef seasonally move lower after the 4th of July holiday
- Estimates are that consumers impacted with high protein prices will begin to reduce demand going forward





Proteins Prices – Weekly Average Price



		Current Week	% Change	% Change
		7/8/2023	from Last Week	from Prior Year
Beef	Choice Beef Cutout	321.97	-2.20%	20.50%
	Rib, Primal, Choice	470.85	-6.60%	23.40%
	Round, Primal, Choice	238.37	-1.20%	11.50%
	Chuck, Primal, Choice	253.14	-1.10%	14.30%
	Fresh Beef 50's Trimmings	188.21	-1.00%	68.70%
	Fresh Beef 90's Trimmings	293.37	0.50%	5.60%
Pork	Pork Cutout	107.41	6.50%	-5.10%
	Ham, Primal	96.26	10.50%	-3.80%
	Belly, Primal	137.04	24.90%	-13.80%
	Loin, Primal	99.06	2.90%	-2.30%
	Fresh Pork 72"s Trimmings	111.08	7.80%	0.00%
Poultry	National Composite Whole Bird Index	127.54	-1.70%	-21.50%
	National Leg Quarters	50.57	2.10%	N.A.
	National Breast B/S	114.64	-5.40%	N.A.

Dairy Complex

Futures



- Spot: Cheese Block \$1.39250 up 4% vs Last Week, down 34% vs Last Year
- Spot: Butter \$2.4800 up 1.6% vs Last Week, down 16.5% vs Last Year



- Dairy cow slaughter is up 5.5% versus prior year
- The All Milk price received by farmers in May was down 29% versus last year

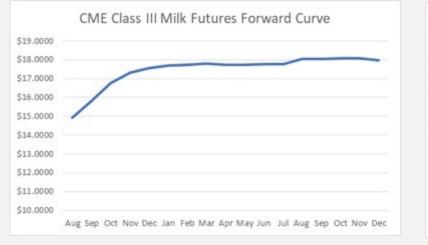


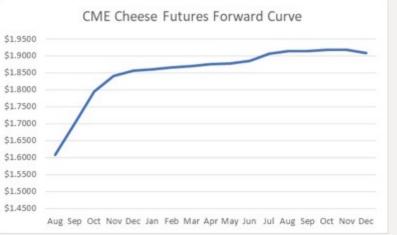
- Milk production continues to be heavy in some areas of the country
- Overall demand for dairy products is soft with the one exception being butter

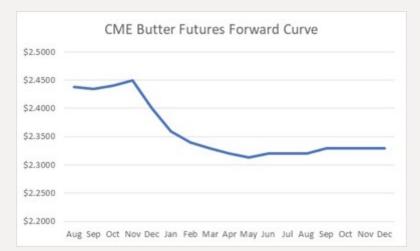


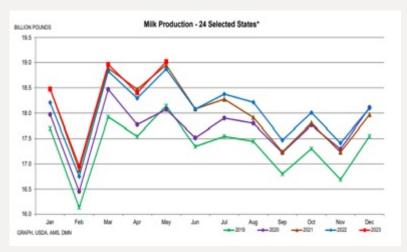
Dairy Charts

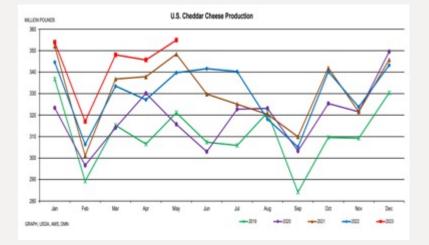


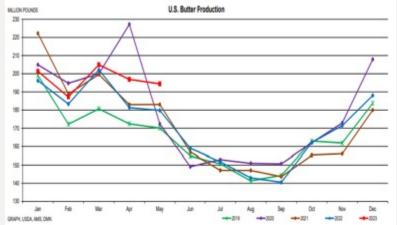












7/11/23

Currencies / Financial Markets

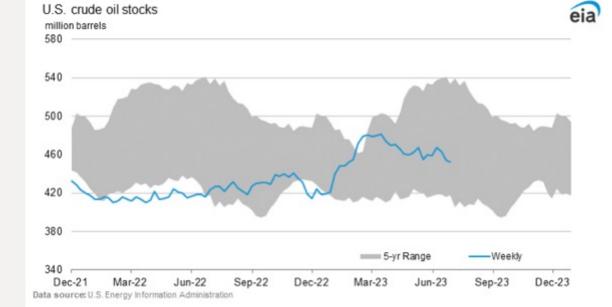


• Weekly jobless claims 248,000 up 12,000 from WA. The 4-week average is 253,550 down 3,500 from last week.

	Spot	Last Week	Last Year
US \$	101.860	103.090	108.210
CAD\$	1.328	1.322	1.302
Euro €	1.098	1.088	1.004
Chinese ¥	7.208	7.230	6.725
Brazilian R\$	4.899	4.841	5.437
Arg ₱	262.540	259.050	127.580

Energy

- Aug natural gas ended the week \$2.5820 down \$0.1270
- Aug crude oil up \$3.19 last week ending at \$73.86
- US crude oil stocks have built back to the middle of the 5-year range.



	This Week	Last Week	Change
Baker Hughes Rig Count	540	545	-5
US Weekly Crude Oil Production	12,400	12,200	200
Crude Stocks	452,200	453,700	(1,500)

U.S. crude oil stocks



CFTC Report

CFTC MANAGED FUND POSITION SUMMARY (# Contracts)										
7/3/23	Corn	CH Wheat	KC Wheat	C Wheat MP Wheat		SBM	SBO			
This Week	-18209	-54006	13760	1992	89142	52821	41919			
% of Open Int	-1.0%	-15.0%	8.5%	4.4%	11.3%	10.1%	7.2%			
vs. Week Ago	-71054	-1838	1341	-1009	-10338	-6159	3168			
5 Week Trend	\langle		\searrow	\square	\frown	\searrow				
Year Ago	228615	1020	24856	8086	124498	62457	33605			
Since 2006:										
Max	429189	80827	73111	19867	253889	155063	126543			
Min	-322215	-162327	-58866	-25401	-168835	-77112	-109950			
Last Week	52845	-52168	12419	3001	99480	58980	38751			

CFTC MANAGED FUND POSITION SUMMARY (# Contracts)

7/3/23	Milk	Butter	Coffee	Cocoa	Sugar #11	Nat Gas	Crude Oil	Ethanol
This Week	- <mark>636</mark> 9	0	-8346	75267	140104	473	95363	7381
% of Open Int	-10.2%	0.0%	-3.8%	15.9%	13.0%	0.0%	4.2%	22.5%
vs. Week Ago	785	0	- 798 5	4579	- 3678 5	21544	23820	-1304
5 Week Trend	\geq	\searrow	\searrow	\nearrow	\checkmark	/	\leq	\frown
Year Ago	2537	-301	32861	-10793	71082	-49474	243311	3252
Since 2006:								
Max	5629	174	60133	83674	286248	271683	496111	13035
Min	-7154	-459	-109159	-52334	-234839	-330163	12710	-425
Last Week	-7154	0	-361	70688	176889	-21071	71543	8685

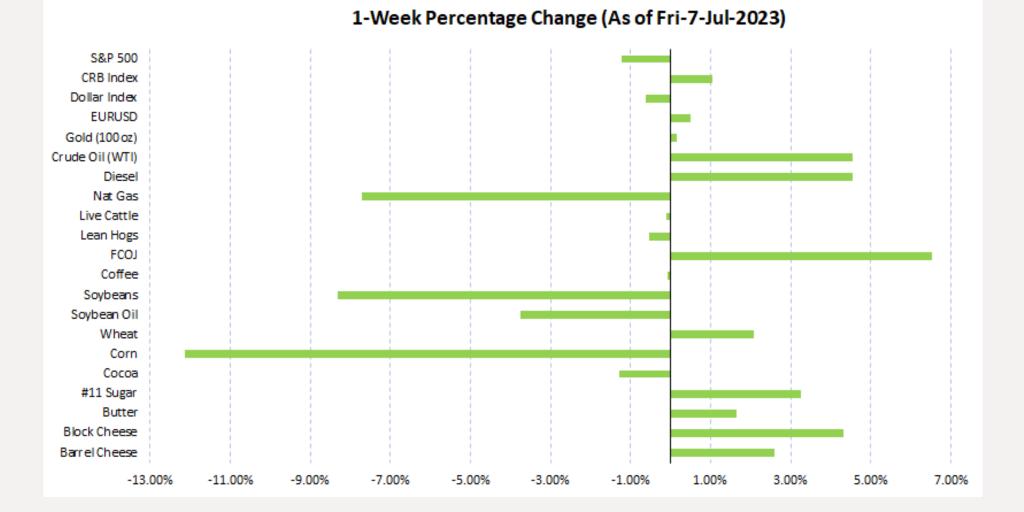
USDA Exports



Summary of Weekly Export Sales Report													
As of: 6/29/23													
			AES										
		Current	Forecast	Latest		AES	Export Sales		Shipped		(Committed	1
		Crop Yr	Annual	USDA	Yr Ago	vs. YA	6/29/23	YTD	vs. YA	% of Annual	YTD	vs. YA	% of Annual
Corn	MM Bus	2022/2023	1,725	1,725	2,473	-30%	9.9	1,376	-33%	80%	1,537	-35%	89%
Wheat	MM Bus	2023/2024	775	725	775	0%	14.9	39	-27%	5%	170	-24%	23%
Soybeans SBM		2022/2023	1,950	2,000 14,000	2,157 13,524	-10% 3%	6.9 163.6	1,814 10,415	-5% 3%		1,930 12,945	-12% 4%	
SBO	MM Lbs	2022/2023	420	450	1,773	-76 %	-13.8	203	-85%	48%	272	-82%	65%

Past week's winners and losers





7/11/23



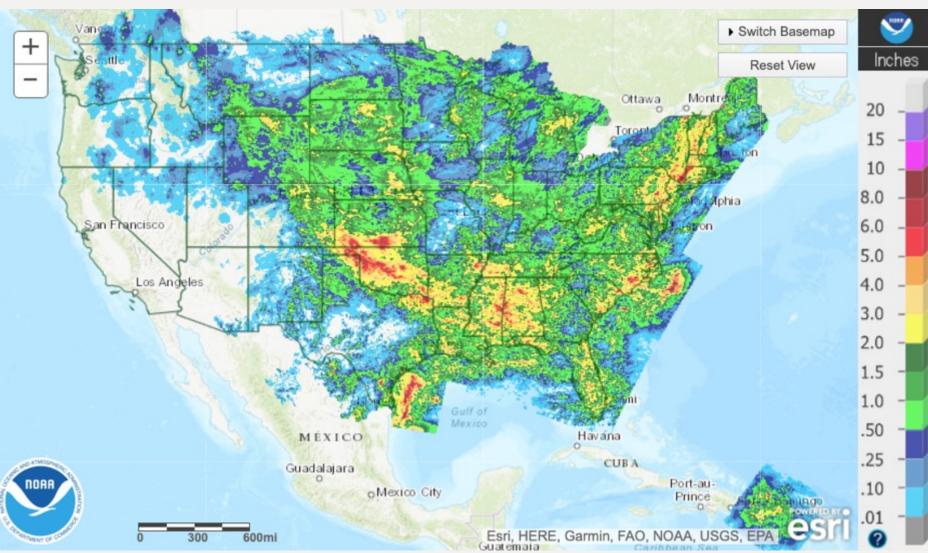
Weather

Forecasts & Precipitation



US Past 7-day Precipitation



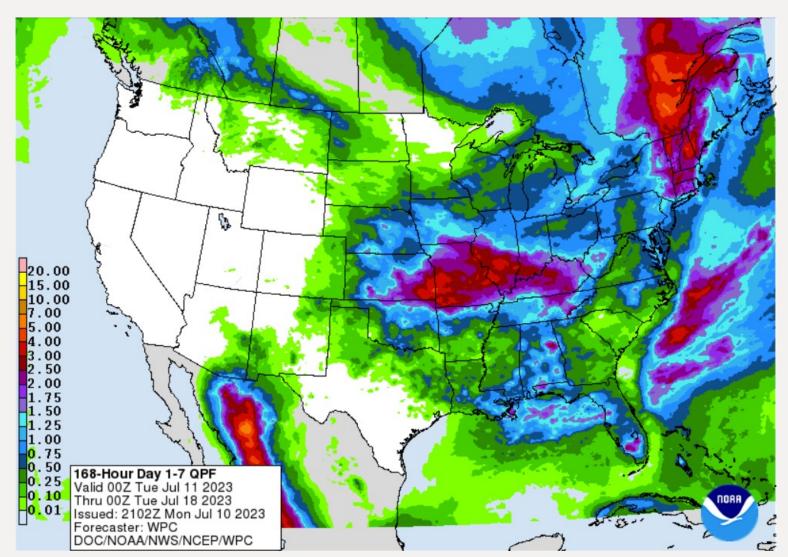


- Another good week of rains across the corn belt.

MPLLC Key Market Drivers

US 7-day Forecast

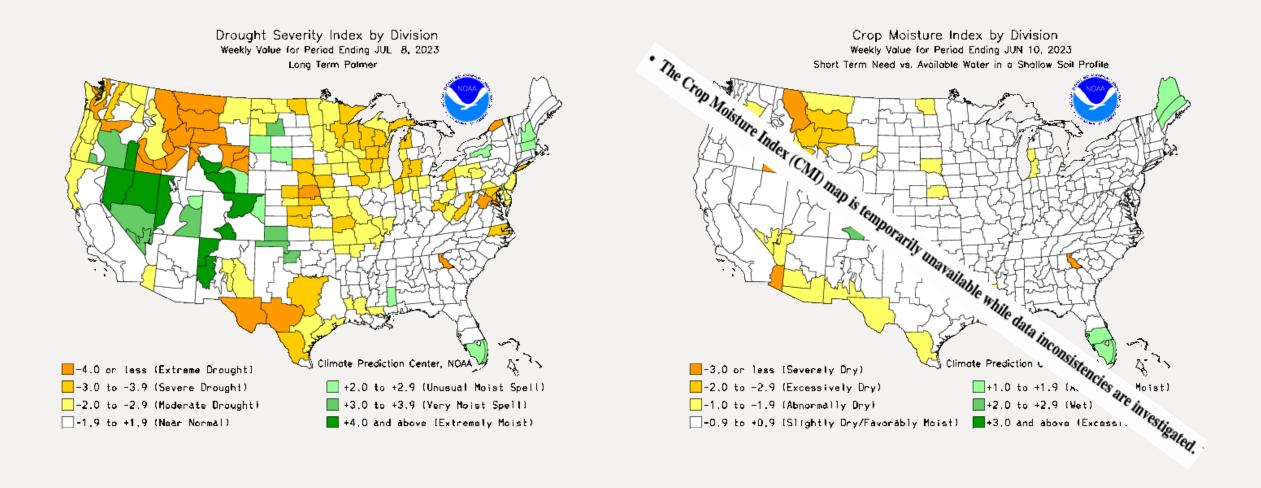




- Forecast looks to have rains concentrated in the southern parts of the corn belt with little to no love for the Northern Plaines.

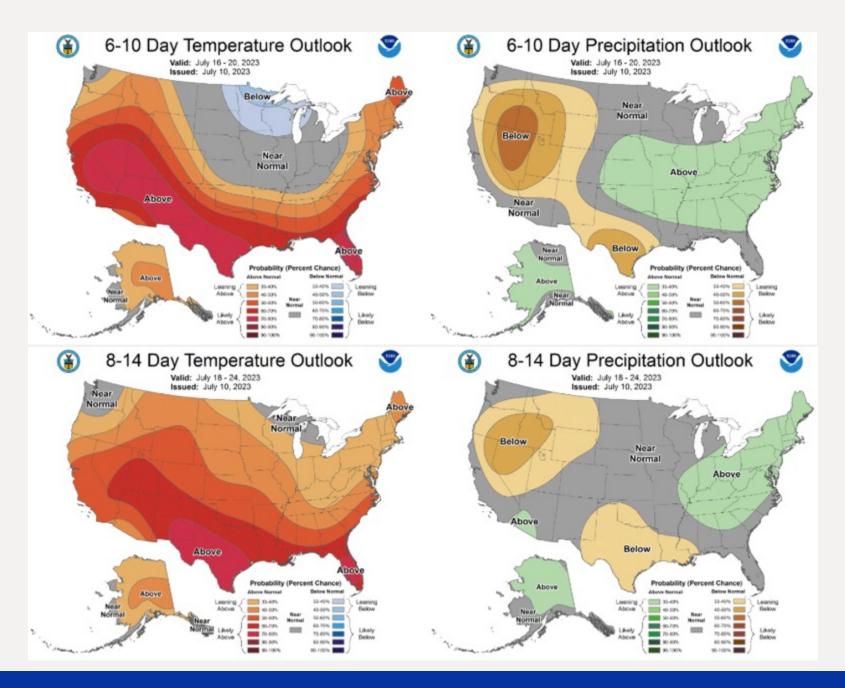
Bank Accounts





US Mid-range Forecasts

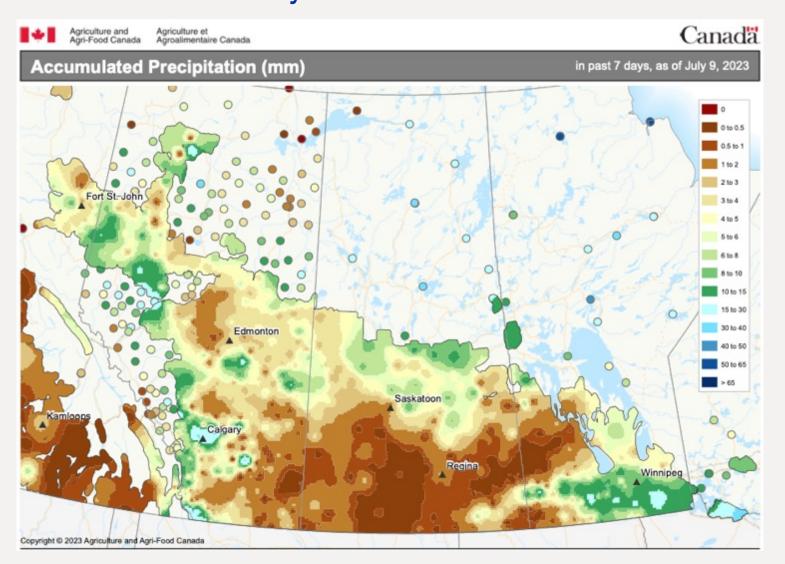
- Longer term forecasts not looking good with above average temperatures and average rainfall expected.



MPLLC Key Market Drivers

Canada Weather Past 7 Day Accumulated Rainfall





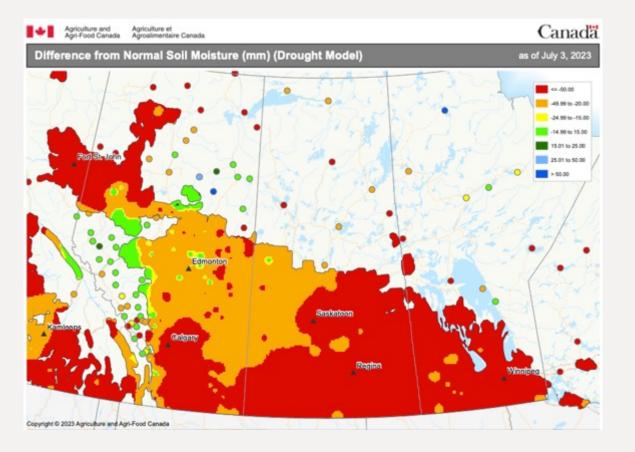
- Canadian prairies could use some more rain after not a lot of rain in those core producing areas and the forecast looks to keep the rains too far east to hit the growing regions.

Canada Weather

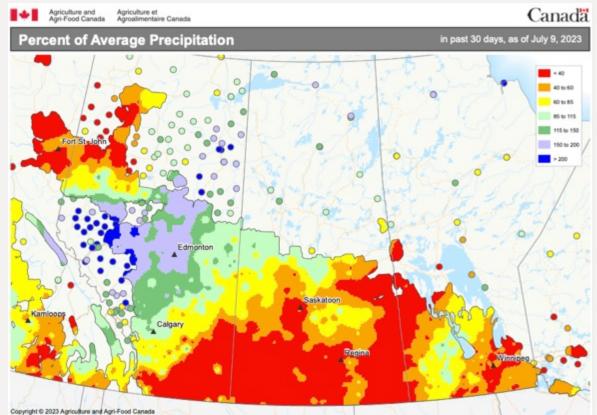
- Canadian Prairies still in good shape despite below average rainfall.



Soil Moisture (% of normal)

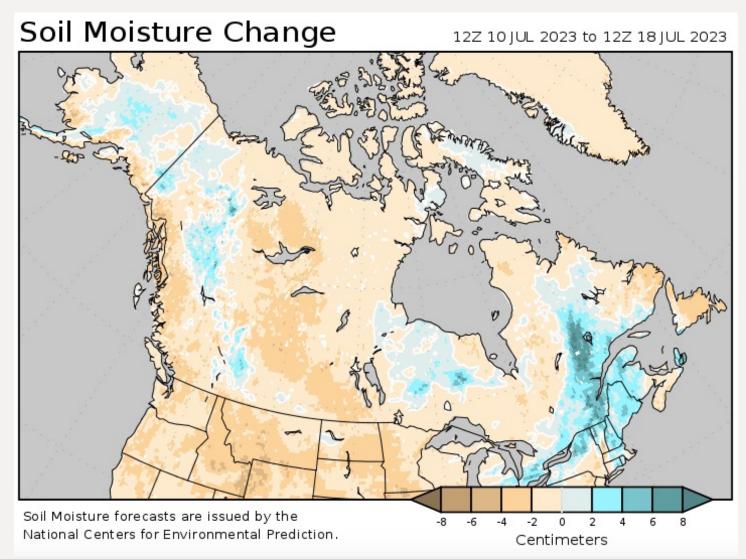


30-day precip lookback (% of normal)



Canada 7-day Forecast

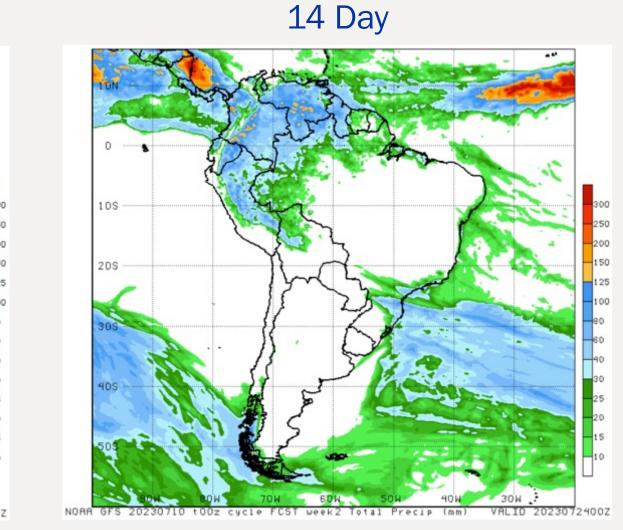


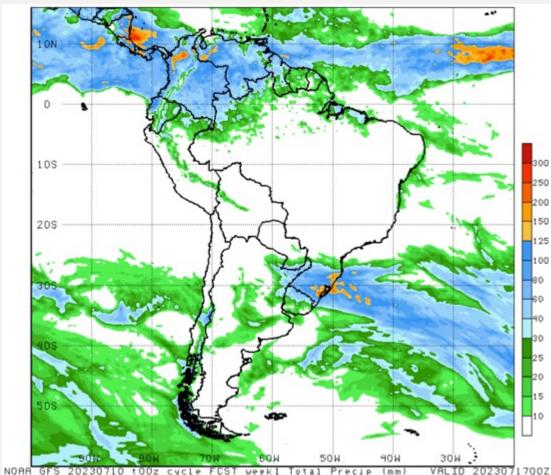


South America Forecast



7 Day







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