

International Grain Market Trends

& the Impacts of Geopolitical Conflict

Kansas State University

April 26, 2023

DANIEL O'BRIEN *AG ECONOMICS* & GUY ALLEN *IGP*

K-STATE AGRICULTURAL ECONOMISTS

KANSAS STATE
UNIVERSITY

Department of Agricultural Economics



IGP Institute



Impact of Geopolitical Conflicts In 2023-2024

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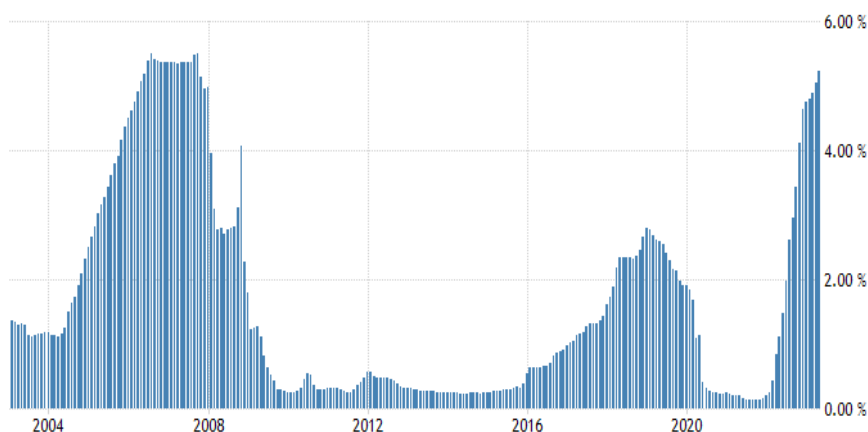
A. Ukraine-Russia War? What are the prospects for the War's de-escalation & continuing grain trade agreements? Ukraine reconstruction is likely to cost \$trillions over 10 -15 years, even once fighting stops

B. China-Taiwan? For *PR China* (GDP *PC* \$19k, under 5%) it is well known that the property bubble has burst, state-owned banks are holding worthless debt, & local governments have inadequate revenue to bear the costs of managing the pandemic. *At some point such issues will need to be resolved & it will be economically painful.*

- Underlying this with continued worry about China's intentions towards Taiwan. IF the situation escalates, it would impact the global economy, along with U.S. grain trade
- Impacting U.S. *soybeans, grain sorghum, wheat, corn* & all U.S. agricultural markets

Current Market Outlook & Issues

U.S. Dollar – Federal Funds Interest Rate



TRADINGECONOMICS.COM

20 Year Chart

Monthly - September

Federal Funds Rate – 5.50%

Interbank Rate in the United States is expected to be 5.50 percent by the end of this quarter.

Interbank Rate in the United States averaged 3.53 percent from 1986 until 2023, reaching an all time high of 10.63 percent in March of 1989 and a record low of 0.11 percent in September of 2021. This page provides - United States Interbank Rate- actual values, historical data, forecast, chart, statistics, economic calendar and news. US Dollar LIBOR Three Month Rate - values, historical data and charts - was last updated on April of 2023.

Source: Federal Reserve.

Current Market Outlook & Issues

U.S. Dollar Index - Cash

U.S. Dollar Index Cash (DXY00) - Barchart.com

> Major Foreign Exchange Rate Indicators: as of 18th April 2023

	TW	LW	Year ago	% Chg, yoy
US Dollar Index	101.745	102.204	100.781	+ 1
Arg. Peso	216.9000	213.8000	113.630	+ 91
Aus. Dollar	1.4885	1.5044	1.3602	+ 9
Brazil Real	4.9735	5.0082	4.6768	+ 6
Canada Dollar	1.3391	1.3480	1.2619	+ 6
Euro	0.9127	0.9172	0.9275	- 2
Japan Yen	134.1000	133.6300	26.7700	+ 6
Russia Rouble	81.6755	81.9955	80.1300	+ 2

Source: International Grains Council



Source: BarChart.com <https://www.barchart.com/futures/quotes/DXY00/interactive-chart>

Monthly - Nearby

3rd Week of April 2022

101.831

High = 114.778

The US Dollar Index The dollar strengthened sharply against a basket of major currencies on Tuesday, pushing the DXY towards the 102 mark on the back of a flight to safety as concerns about the banking system resurfaced following disappointing earnings from First Republic Bank and UBS.

On top of that, the Federal Reserve will likely deliver another 25bps rate hike next week as signs of persistent inflation suggest the tightening cycle is not over yet. Still, money markets are now pricing in the peak for US interest rates in June and then a decline to end the year below 4.5%. Investors now look ahead to first-quarter GDP data and April consumer sentiment data for more clues on the state of the economy and more earnings reports from major US firms.

This dollar's strength was seen across the board, with some of the most pronounced buying activity against risk-sensitive currencies such as the Australian dollar.

Current Market Outlook & Issues

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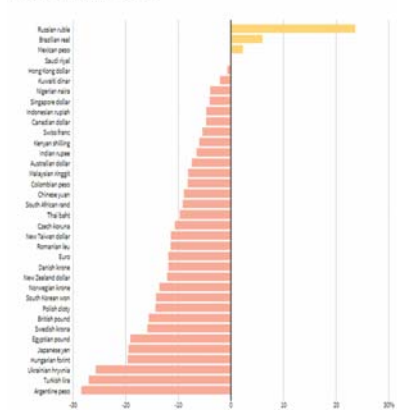
Source: International Grains Council



Source: BarChart.com <https://www.barchart.com/futures/quotes/DXY00/interactive-chart>

Global foreign exchange rates

Currencies against the US dollar, year-to-date change

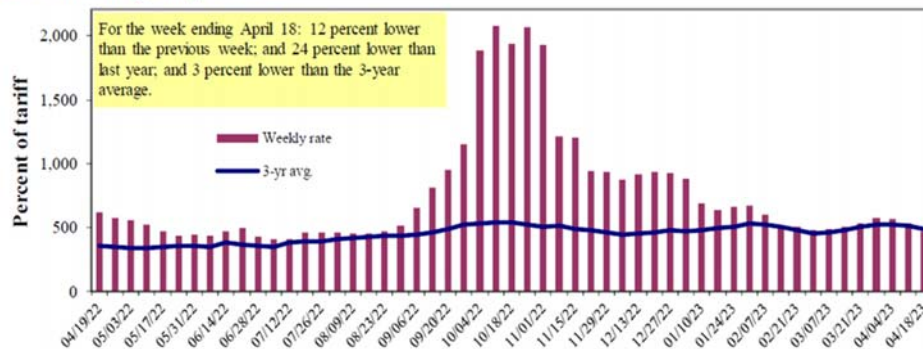


Source: Thomson Reuters Datastream

Barge Freight Overview

Illinois River Barge Freight

Illinois River barge freight rate^{1,2}



Dry Weather in the Western Plains leaves concerns for Mississippi River levels later this summer 2023

¹Rate = percent of 1976 tariff benchmark index (1976 = 100 percent); ²4-week moving average of the 3-year average.

Source: USDA, Agricultural Marketing Service.

Source: USDA GTR 20 April 2023

Ocean Freight Overview London Baltic Exchange – Dry Index



published on TradingView.com, Apr 25, 2023 19:05 UTC
BALTC DRY INDEX, 10, INDEX: 1517 -13 (-0.86%)
Note: The data vendor doesn't provide volume data for this symbol.

Ocean Freight Route Prices (US\$/mt) as of the 18th of April 2023

	TW	LW	LY	%Y/Y
US Gulf to EU (Rotterdam) a)	27	28	43	-37
US Gulf - Japan a)	52	54	72	-28
US Gulf - Mexico	17	17	28	-38
EU (Rouen) - Algeria	21	20	36	-41
Russia - Egypt	19	18	30	-37
Argentina (UpRiver) - EU (Rtr) a)	33	35	53	-38
Brazil - China a)	49	52	71	-31
Brazil - EU (Rotterdam) a)	27	29	45	-40
Australia (Kwinana) - China a)	22	23	31	-31

Source: International Grains Council visit: http://www.igc.int/grainsupdate/igc_goi.xlsb



TradingView

Source: Trading View - <https://www.tradingview.com/chart/?symbol=INDEX%3ABDI>

Dry Bulk Index – 1517

8th October 2021 - 5650
19th January 2021 - 1644

- Ocean Freight has rallied to a thirteen year highs
- Robust demand as economies restock
- Capacity down in the wake of heavy "scrapping" program due to initial Covid19 impact
- Higher fuel costs in combination with tighter emission regulations
- Longer Routes: (Iron Ore)
 - Tubarao, Brazil (1) to Shanghai, China (12) = 10,857 nm
 - Port Walcott, Australia (3) to Shanghai, China (12) = 3,309 nm

Ocean Freight Overview London Baltic Exchange – Dry Index



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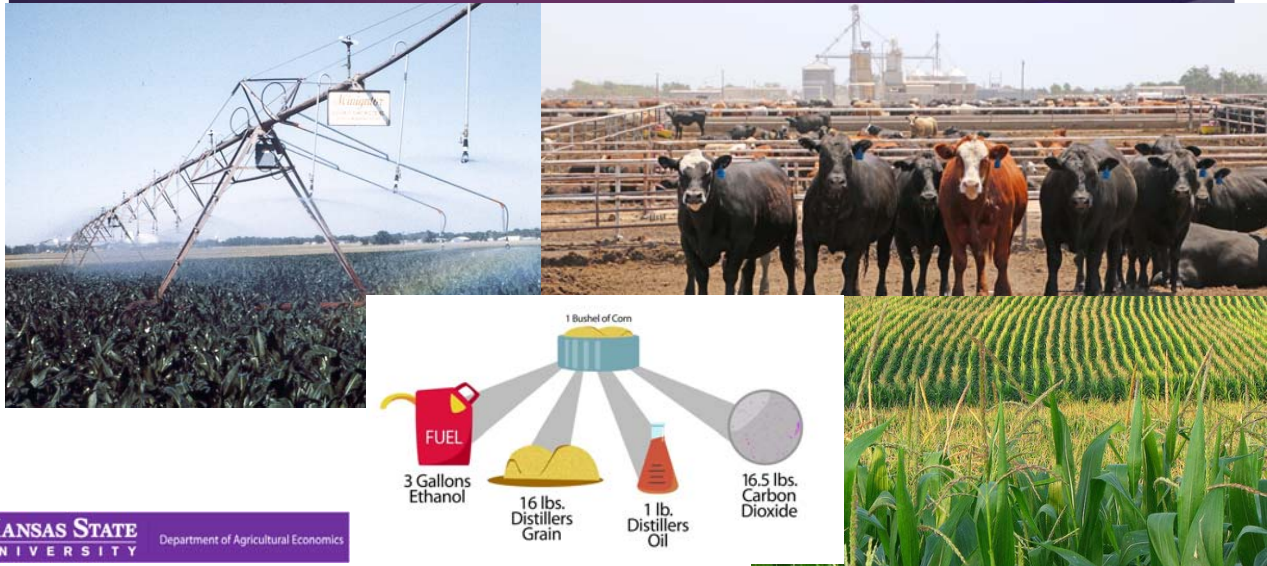
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Grain Market Perspective

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International Grain Market Trends 2023/2024

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1) *Historically tight 2023 Global Corn, Wheat & Oilseed Stocks*

- *Following 3 years of disruptive La Nina weather patterns*
- **Occurring &/or Anticipated in 2023-2024:**
 - Drought in **Argentina** &
 - Smaller Crops & Exports from **Ukraine**
 - Expected emergence of **El Nino** weather pattern in May-June 2023

April 13 ENSO Diagnostic Discussion

EQ. Upper-Ocean Heat Anoms. (deg C) for 180-100W

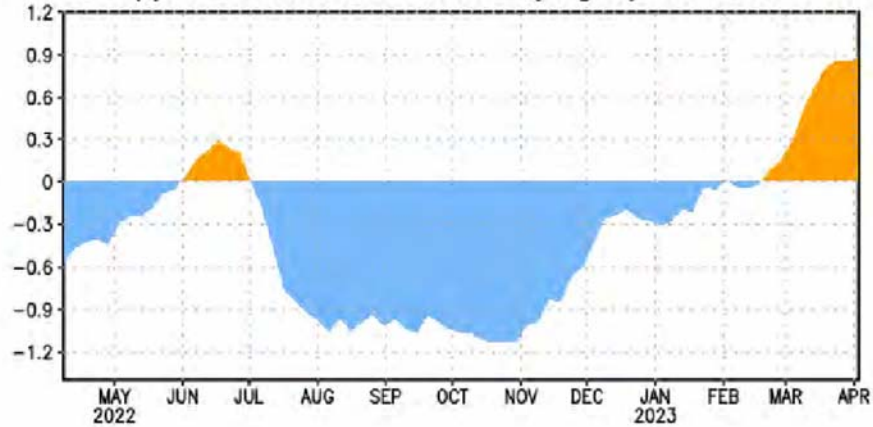
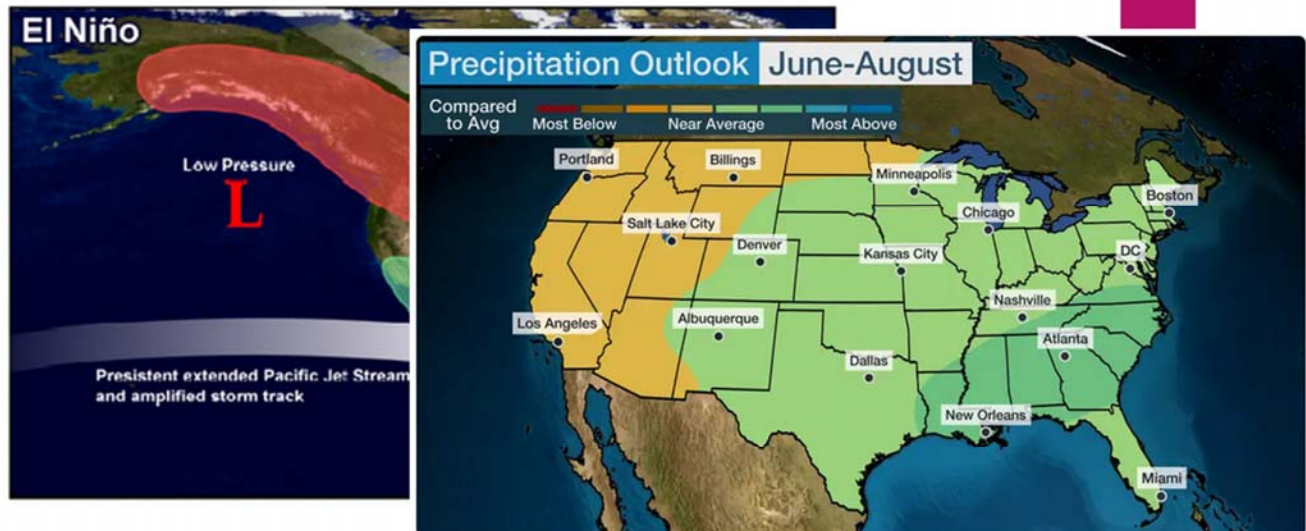


Figure 1: Area-averaged upper-ocean heat content anomaly (°C) in the equatorial Pacific (5°N-5°S, 180°-100°W). The heat content anomaly is computed as the departure from the 1991-2020 base period pentad means.

ENSO Alert System Status: **El Niño Watch**

Synopsis: ENSO-neutral conditions are expected to continue through the Northern Hemisphere spring, followed by a 62% chance of El Niño developing during May-July 2023.

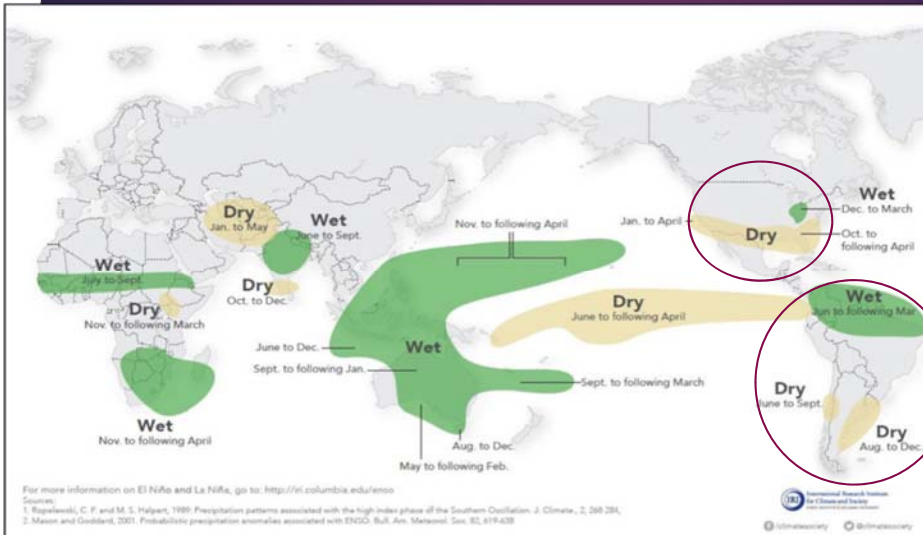
Typical Climate Pattern for the U.S. during El Niño



Current and Forecast Status of El Niño

- **El Niño conditions are present.** Positive equatorial sea surface temperature (SST) anomalies continue across much of the Pacific Ocean. **There is a greater than 90% chance that El Niño will continue through the upcoming winter.**

Weather Impacts Southern Oscillation Index – La Nina



Source: <https://www.civilaffairsassoc.org/post/impacts-of-la-ni%C3%B1a-on-global-agriculture-what-can-the-u-s-army-do-about-it>

Dry

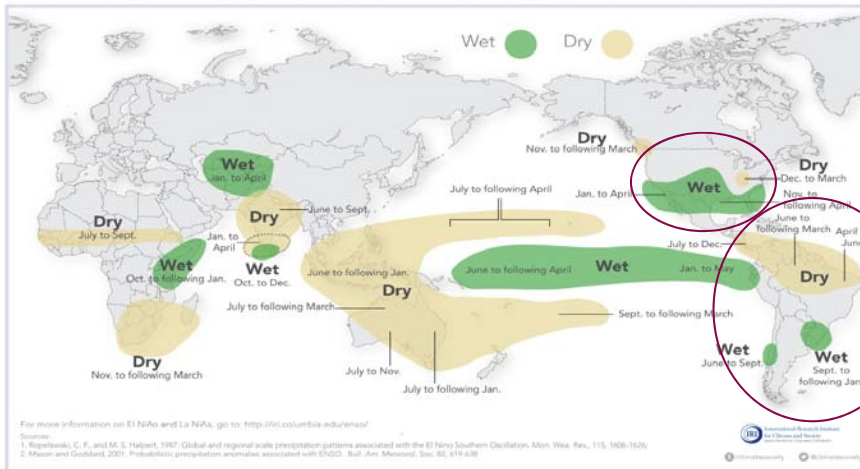
- ▶ Southern U.S.
- ▶ Argentina
- ▶ S. Brazil
- ▶ Middle East
- ▶ S. India
- ▶ East Central Africa

Wet

- ▶ N. South America
- ▶ Australia
- ▶ Indonesia
- ▶ Philippines
- ▶ Central & Northern India
- ▶ Sud-Sahara Africa
- ▶ Southern Africa

Weather Impacts Southern Oscillation Index – El Nino

El Niño conditions in the tropical Pacific are known to shift rainfall patterns in many different parts of the world. Although they vary somewhat from one El Niño to the next, the strongest shifts remain fairly consistent in the regions and seasons shown on the map below.



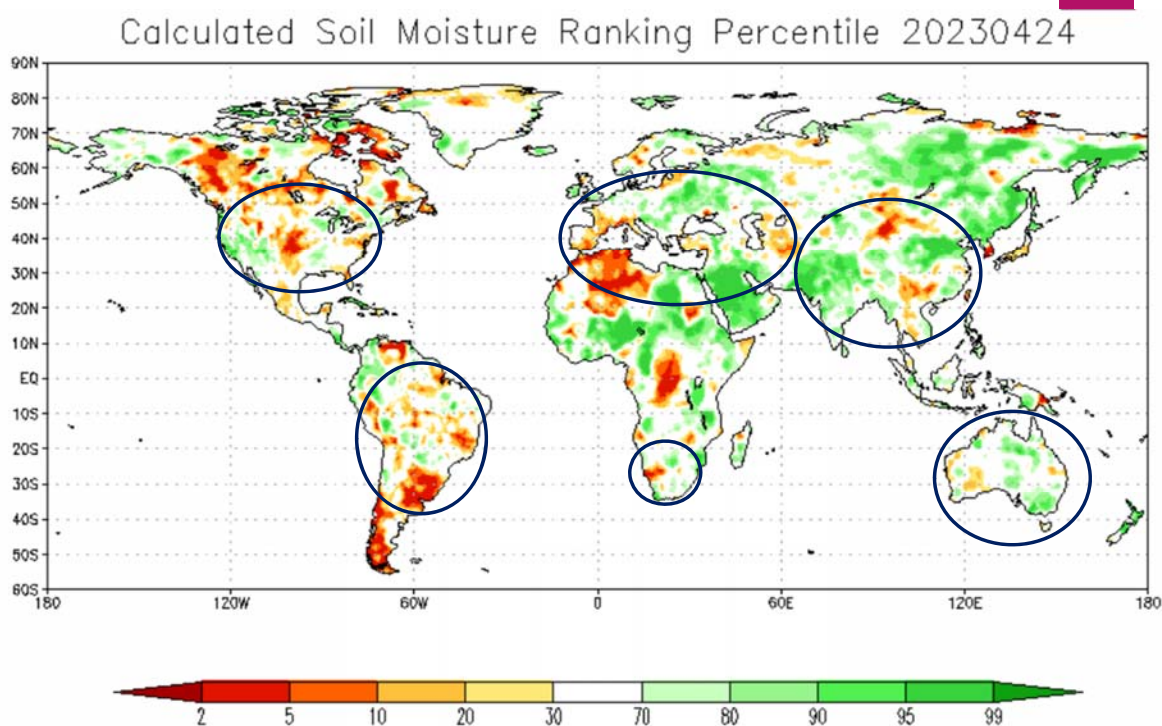
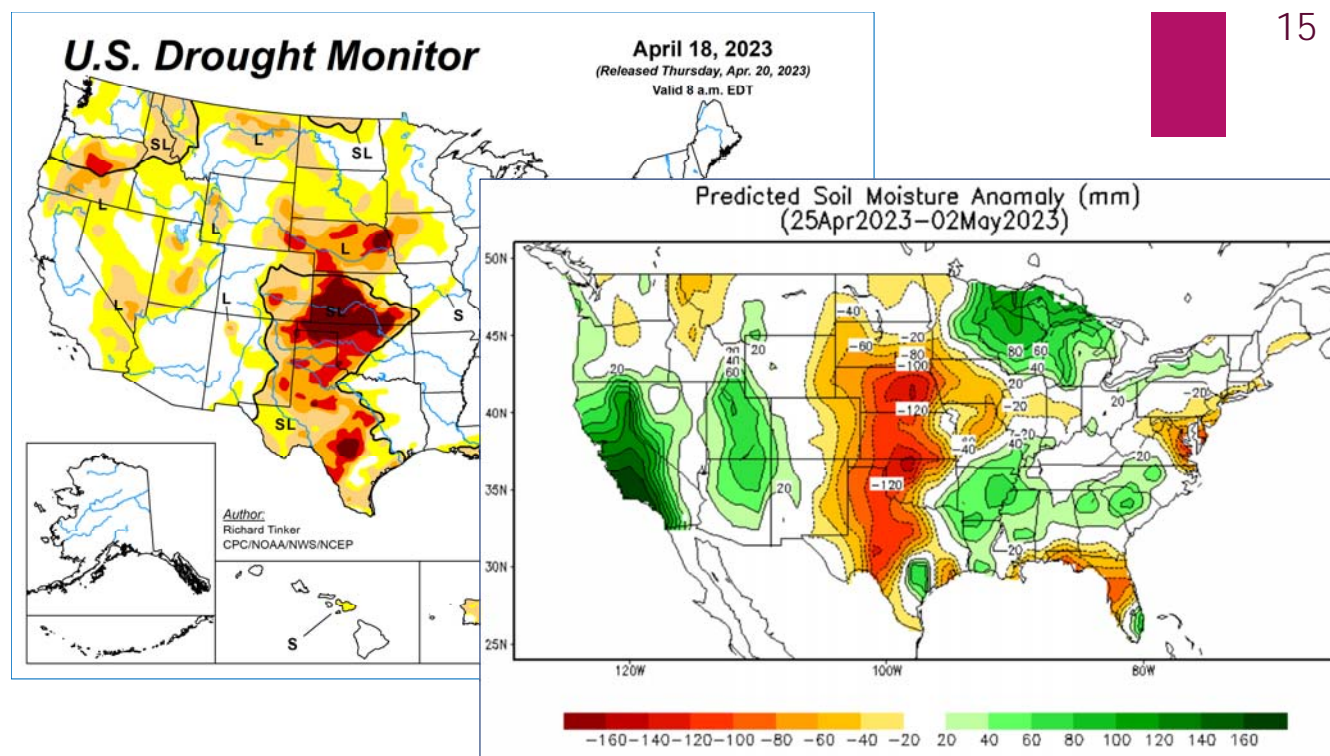
Source: <https://www.civilaffairsassoc.org/post/impacts-of-la-ni%C3%B1a-on-global-agriculture-what-can-the-u-s-army-do-about-it>

Dry

- ▶ Southern U.S.
- ▶ Argentina
- ▶ S. Brazil
- ▶ Middle East
- ▶ S. India
- ▶ East Central Africa

Wet

- ▶ N. South America
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- ▶ Sud-Sahara Africa
- ▶ Southern Africa



What to anticipate in Year 2023

□ 2023 Spring Planting of U.S. Feedgrains & Oilseeds

- With tight stocks across crops – any threats to planting 2023 U.S. corn or soybeans could cause **STRONG** price volatility
 - NOV²⁰²³ Soybean futures @ \$12.66 /bu ^{4/25/2023}
 - DEC²⁰²³ Corn futures @ \$5.48 ¼ /bu ^{4/25/2023}
- 2023 “New” Soy/Corn \$ Ratio = $\$12.66 \div \$5.48 \frac{1}{4} = 2.31$ (vs 2.30 Neutral)
- Strong “new crop” price competition likely for 2023 planted acres between Feedgrains & Oilseeds ⇒ *Likely in May 2023*

Neutral: Soybeans vs Corn

Grain Market Outlook ²⁰²³

□ Overall Prospects for 2023 Crop Markets???

- U.S. Crop Prices supported @ Moderate-to-High Levels – until the time when grain markets are confident of larger crops & rebuilding of stocks
- THEN the *risk* to grain sellers is that crop markets will mostly discount the possibility of “*short crops*” in 2023
 - ⇒ IF in Summer ²⁰²³ U.S. & Foreign crop prospects are “*OK-to-Good*”, THEN grain markets are likely “*slide*” lower into Fall 2023

What to anticipate: Year 2023

- ❑ USDA Reports ⇒ *Often a “driver” of grain market volatility*
 - WASDE: 1/12, 2/8, 3/8, 4/8, upcoming 5/12**, 6/9, 7/12, 8/11, 9/12.....
 - Planted Area: USDA Acreage Report – June 30th
- ❑ “Strong” Feedgrain Basis likely in the U.S. Western Corn Belt
 - *Likely strong basis* during July-Nov²⁰²³ **IF** a short crop happens in the U.S. Western Corn Belt in 2023 ⇒ What are the odds of this?
 - Summer demand for “New Crop” supplies (i.e. “users scrambling!”)

Corn & Coarse Grain Markets



Key Trends in Global Coarse Grains

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- 1) “*Tight*” World Corn Ending Stocks & % Stocks-to-Use in “Current” MY 2022/23
 - Low beginning stocks + *uncertain* crop prospects for “New Crop” 2023/24
- 2) An “*at-risk*” **2023 Brazilian Corn 2nd crop** – planted late & vulnerable to late-season hot weather impacting crop development
- 3) Market anticipates a “*Normal*” 2023 U.S. Corn Crop, with moisture coming from an emerging “*El Nino*” *weather pattern* (*BUT are still at risk!!!*)

CME Corn Futures *Continuous Monthly since November 2005*

22



CME Corn Futures *Continuous Weekly to 4/25/2023*

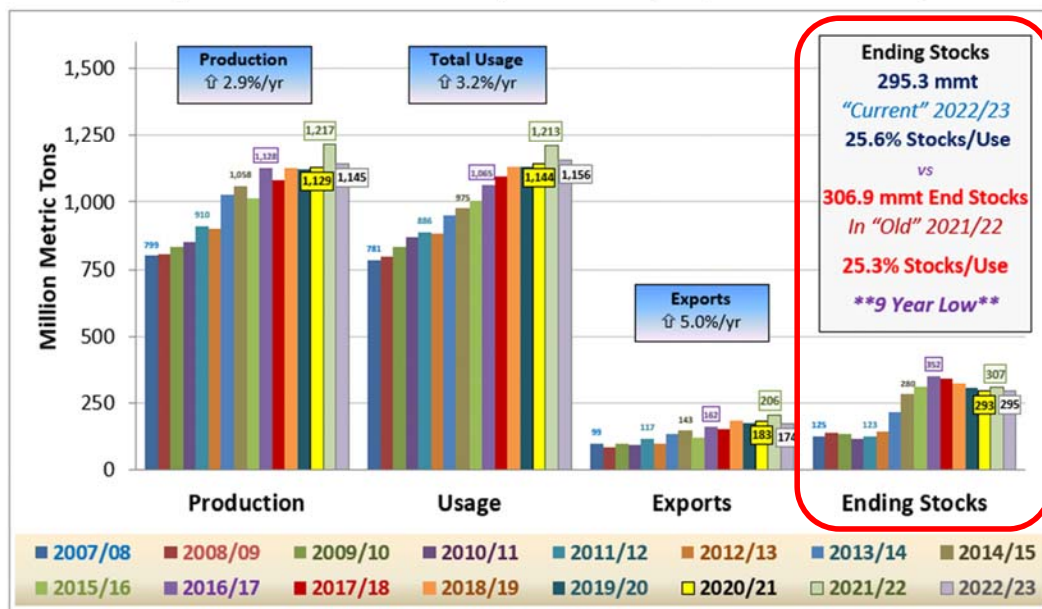
23



World Corn Supply-Demand

MY 2007/08 – “Current” MY 2022/23 as of the April 11, 2023 USDA WASDE Report

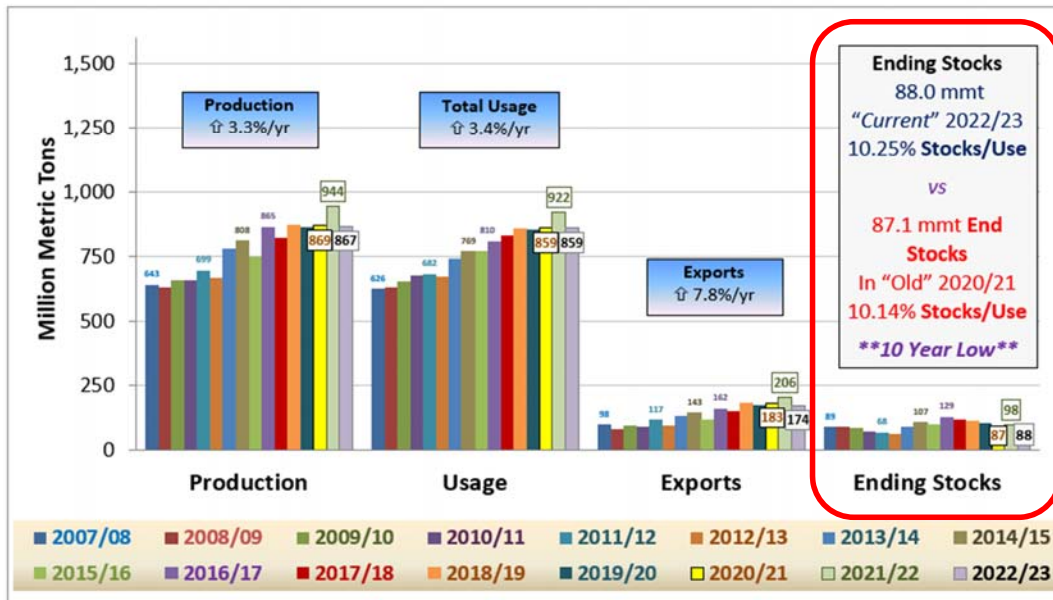
24



“World *Less-China*” Corn Supply-Demand

25

MY 2007/08 – “Current” MY 2022/23 as of the April 11, 2023 USDA WASDE Report



“World *Less-China*” Corn Supply-Demand

26

MY 2007/078 – “Current” MY 2022/23 as of the April 11, 2023 USDA WASDE report



World vs World^{Less-China} Corn % Stocks-to-Use

27

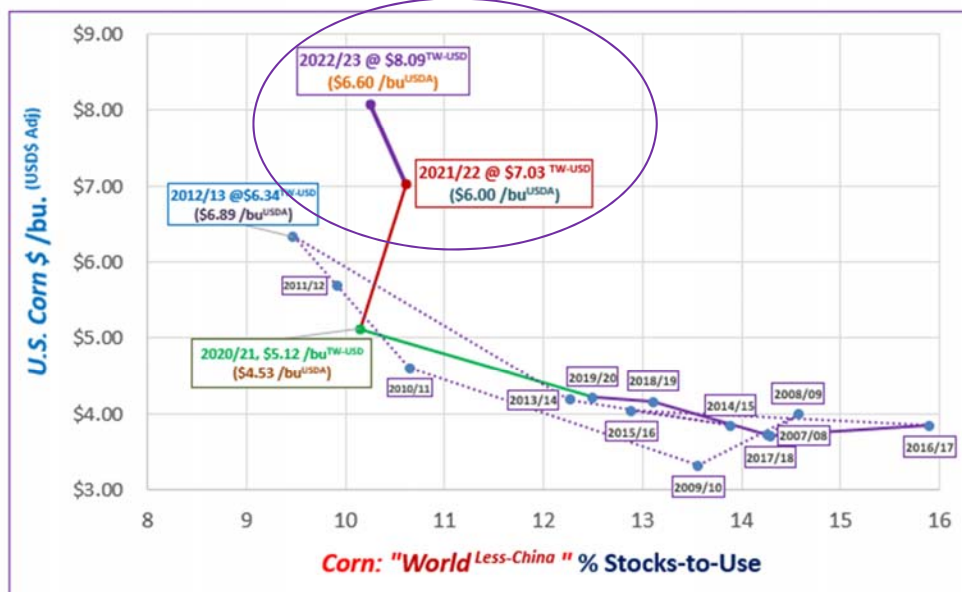
MY 2007/08 through "Current" MY 2022/23, as of the April 11, 2023 USDA WASDE report.



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

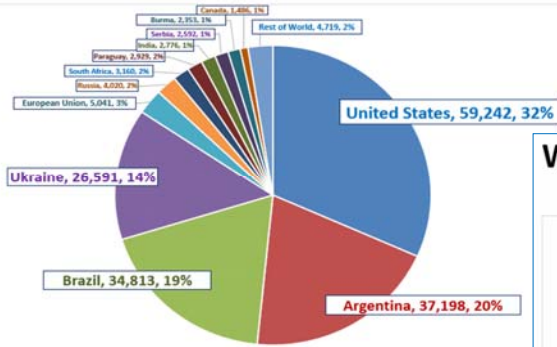
28

MY 2007/08 – "Current" MY 2022/23 as of the April 11, 2023 USDA WASDE Report



World Corn Exporting Countries

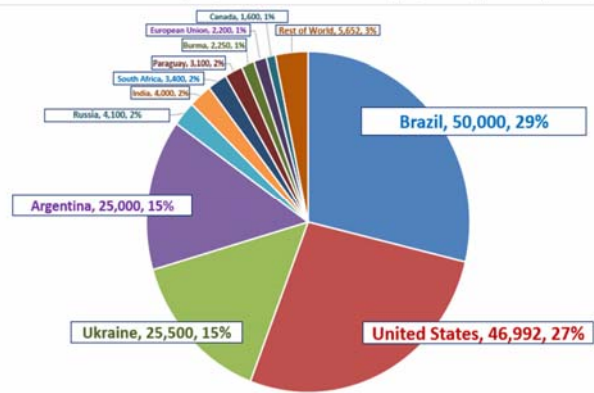
3 Year Avg. MY 2019/20 - 2021/22, USDA FAS PSD-Online, (1,000 mt); as of April 11, 2023



1,000 Metric Ton Units

World Corn Exporting Countries

In "Current" MY 2022/23, USDA FAS PSD-Online, (1,000 mt); as of April 11, 2023

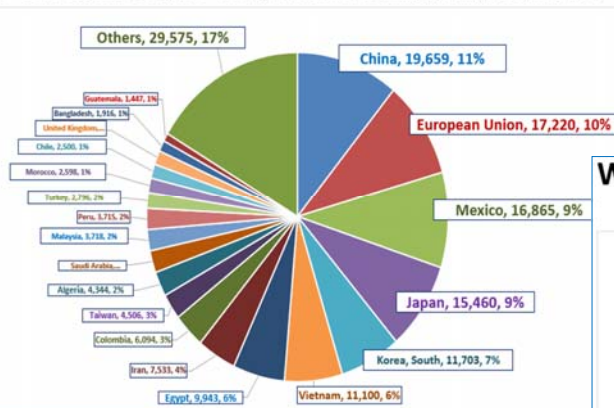


1,000 Metric Ton Units

29

World Corn Importing Countries

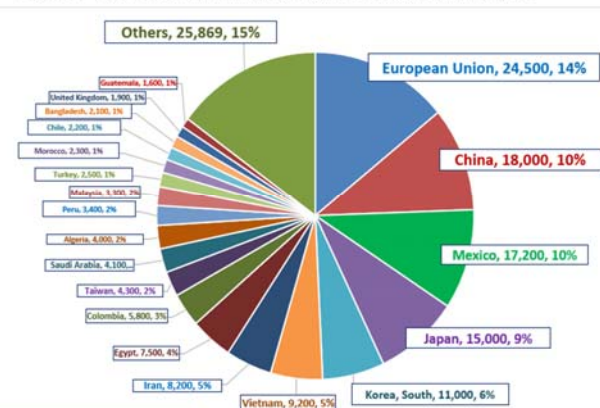
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1,000 Metric Ton Units

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"Current" MY 2022/23, USDA FAS PSD-Online, (1,000 mt); as of April 11, 2023



1,000 Metric Ton Units

30

Brazil Corn Supply-Demand

MY 2007/08 – “Current” MY 2022/23, as of the April 11, 2023 USDA WASDE report



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Argentina Corn Supply-Demand

MY 2007/08 – “Current” 2022/23, as of the April 11, 2023 USDA WASDE report



South America Corn-Soybean Calendar

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□ South America Planting Influences ⇒ “Bid for Acres”

• Brazil & Argentina Corn & Soybean Crop Calendar

○ Brazil

- Corn: 1st crop *Planting* – October-December ⇒ Harvest: February-June
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Ukraine Corn Supply-Demand

MY 2007/08 – “Current” 2022/23, as of the April 11, 2023 USDA WASDE report



33

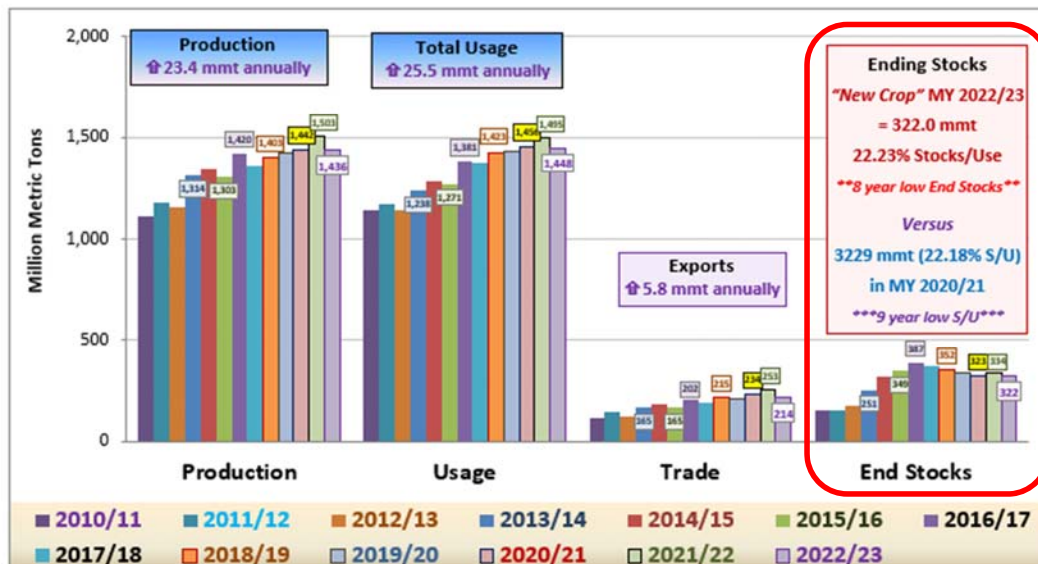
China Corn Supply-Demand

MY 2007/08 – “Current” MY 2022/23, as of the April 11, 2023 USDA WASDE report



World Coarse Grain Supply-Demand

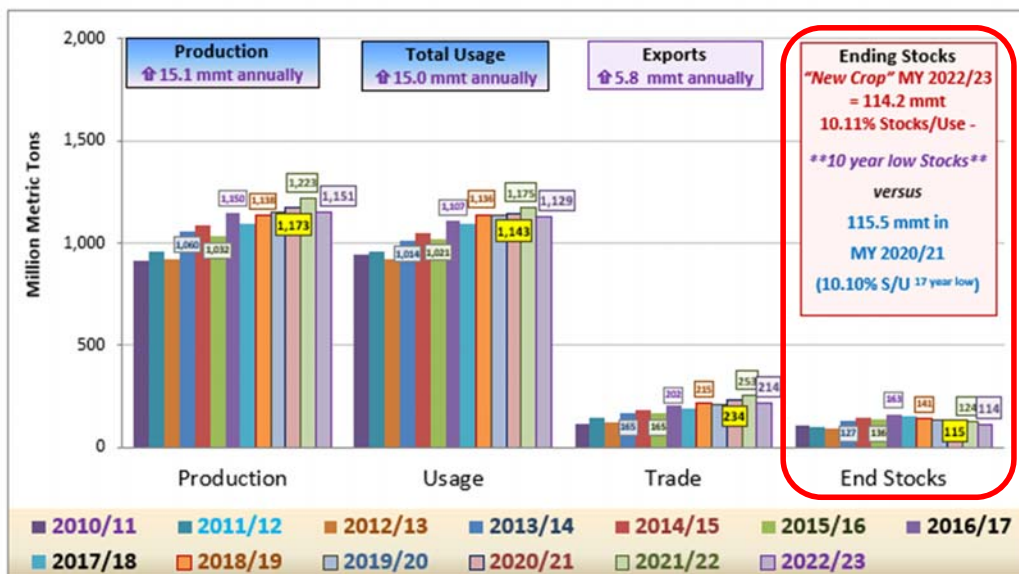
MY 2007/08 thru “Current” 2022/23 as of the April 11, 2023 USDA WASDE report



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“World Less-China” Coarse Grain S-D

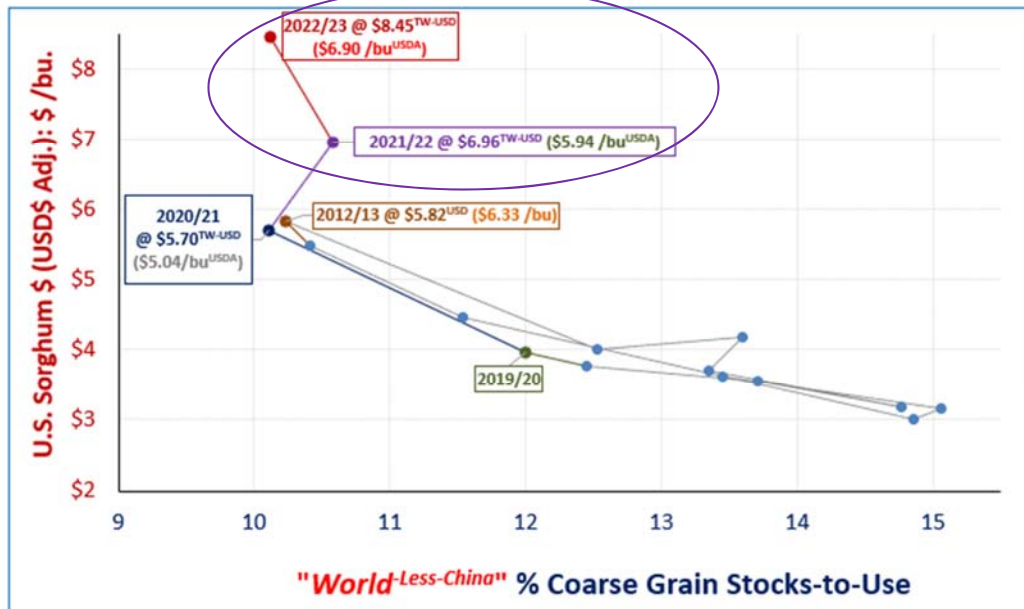
MY 2007/08 thru “New Crop” 2022/23 as of the April 11, 2023 USDA WASDE report



35

U.S. Sorghum \$'s USD\$ Adj. vs World Coarse Grain Less-China % S/U

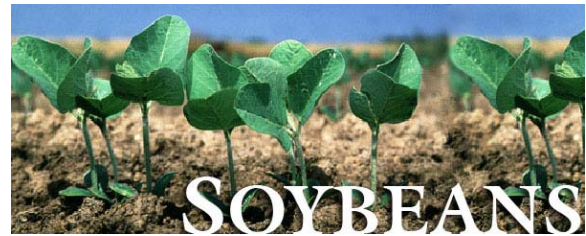
MY 1975/76 thru “New Crop” MY 2022/23 as of the April 11, 2023 USDA WASDE



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Soybean Markets

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Key Trends in Global Soybean Markets

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- 1) Market anticipates a record large 2023 Brazil Soybean crop
 - Offsetting “*most*” of the historic “*short*” soybean crop in **Argentina**
- 2) **China’s** preference to import non-U.S. soybeans & other oilseeds
 - ⇒ *Negative impact on U.S. soybean exports*
- 3) **2023-2024 Oilseed Market questions...**
 - a) U.S. & South American soybean planted area & production ²⁰²³⁺
 - b) Next 3-5 year U.S. & Global renewable diesel production trends

CME Soybean Futures *Continuous Monthly since Oct. 2002*

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TFC Commodity Charts



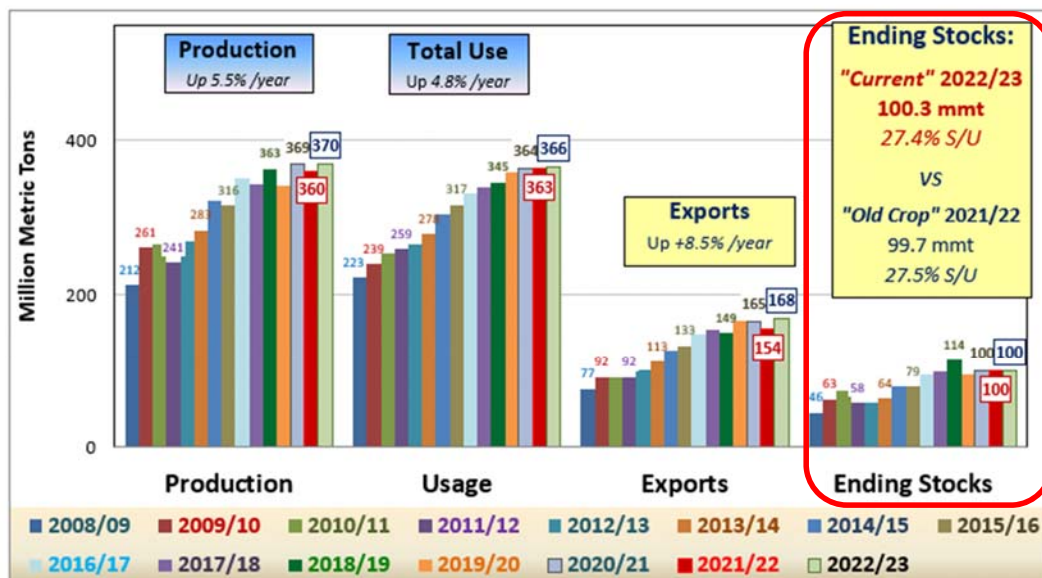
CME Soybean Futures *Continuous Weekly to 4/25/2023*

40



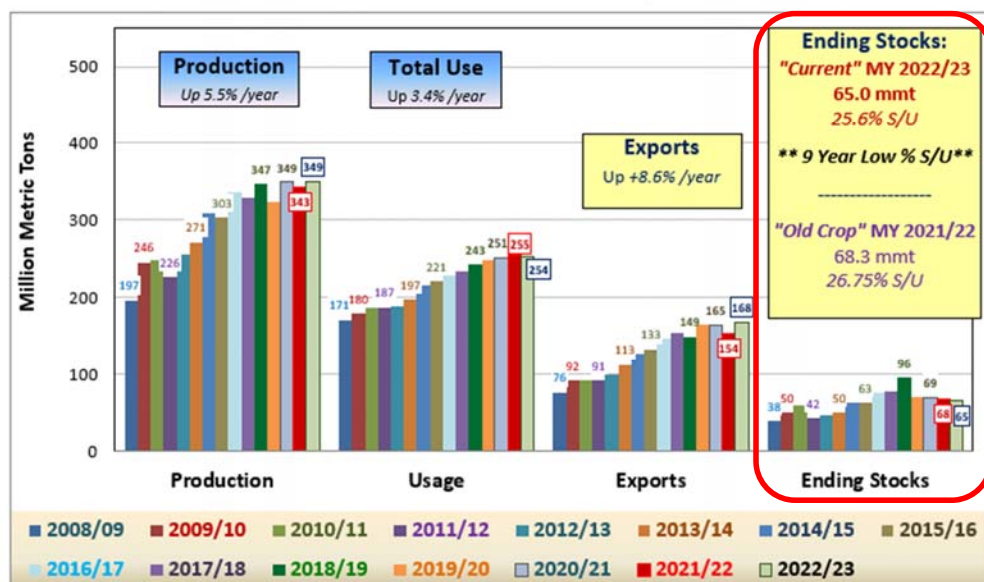
World Soybean Usage & End Stocks

MY 2008/09 thru "Current" MY 2022/23 as of the April 11, 2023 WASDE



World Less-China Soybean Use & End Stocks

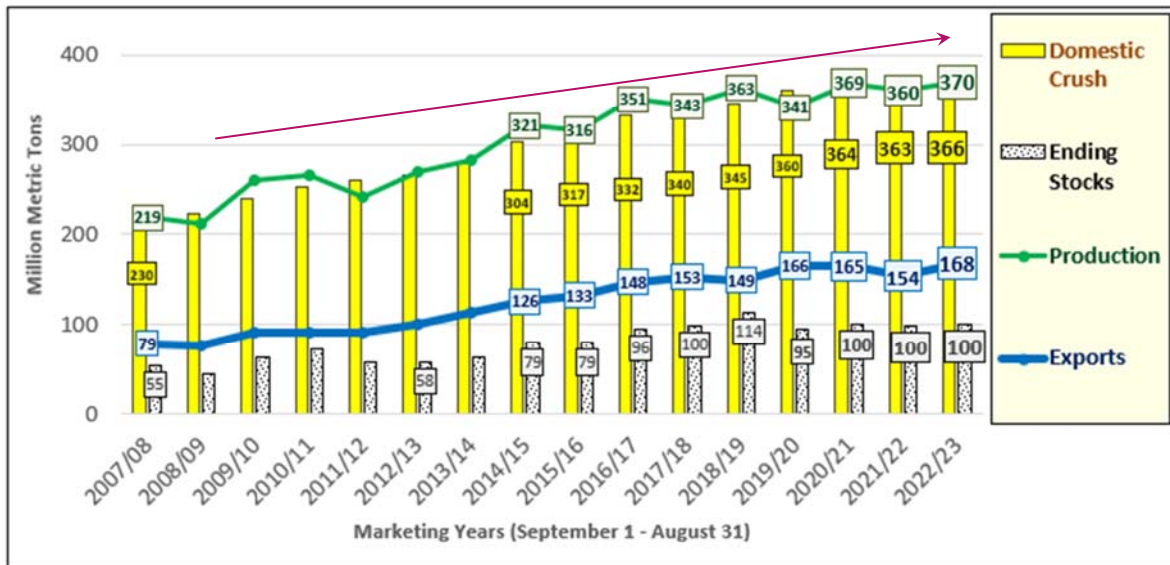
MY 2008/09 - "Current" MY 2022/23 as of the April 11, 2023 WASDE



World Soybean Supply-Demand

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MY 2007/08 – “Current” MY 2022/23 as of the April 11, 2023 USDA WASDE Report



World vs “World Less-China” Soybean % Stocks/Use

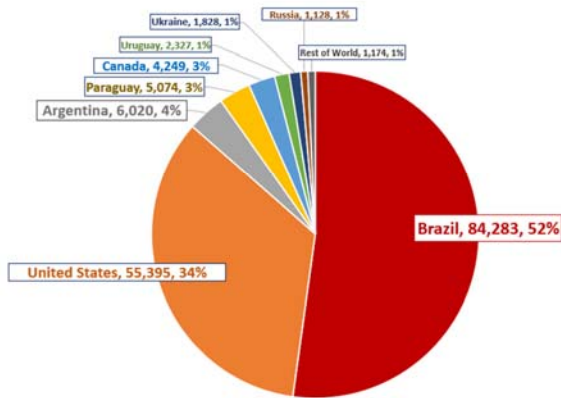
44

MY 2007/08 through “Current” MY 2022/23, as of the April 11, 2023 USDA WASDE report



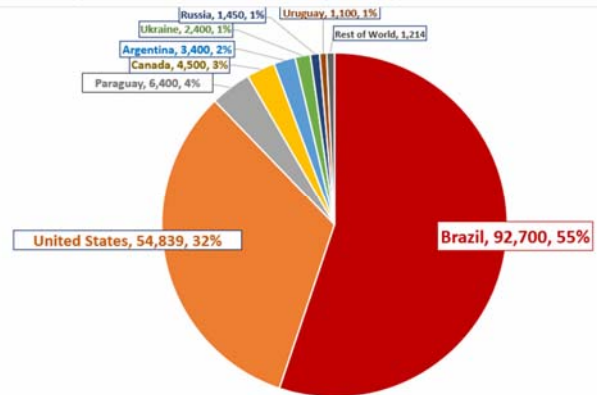
World Soybean Exporters: Recent 3 Year Average

MY 2019/20 – MY 2021/22 as of the April 11, 2023 USDA FAS PSD Online (1,000 mt)



World Soybean Exporters: "Current" MY 2022/23

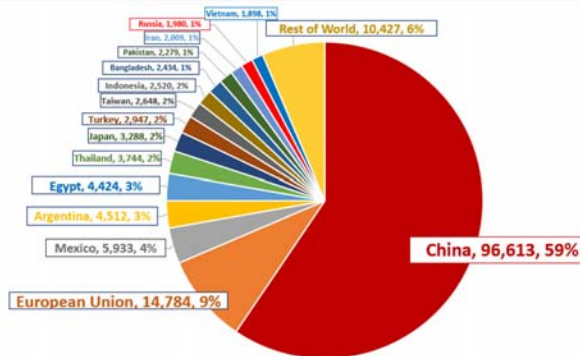
As of the April 11, 2023 USDA FAS PSD Online (1,000 mt)



45

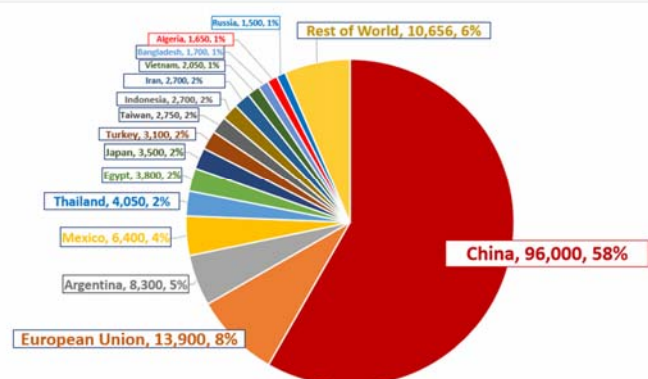
World Soybean Import Buyers: Recent 3 Year Avg.

MY 2019/20 – MY 2021/22 as of the April 11, 2023 USDA FAS PSD Online (1,000 mt)



World Soybean Importers: "Current" MY 2022/23

As of the April 11, 2023 USDA Foreign Agricultural Service PSD Online (1,000 mt)



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Brazil Soybean Supply-Demand

MY 2007/08 – "Current" MY 2022/23 as of the April 11, 2023 USDA WASDE Report



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Argentina Soybean Supply-Demand

MY 2007/08 – "Current" MY 2022/23 as of the April 11, 2023 USDA WASDE Report



South America Corn-Soybean Calendar

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China Soybean Supply-Demand

MY 2007/08 – "Current" MY 2022/23 as of the April 11, 2023 USDA WASDE Report



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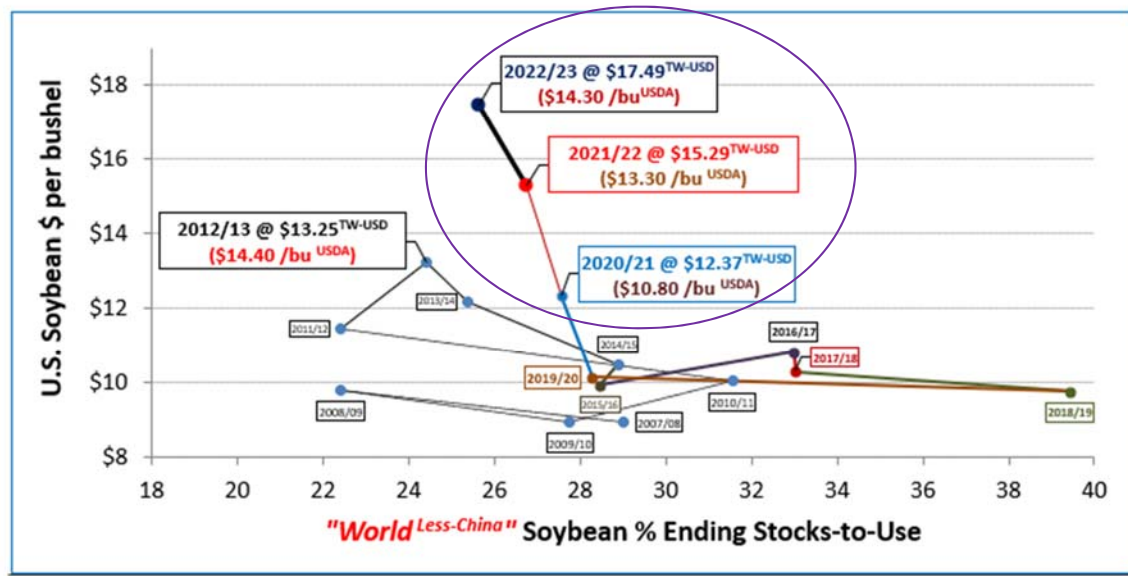
Japan Soybean Supply-Demand

MY 2007/08 – "Current" MY 2022/23 as of the April 11, 2023 USDA WASDE Report



U.S. Soybean \$^{USD}\$ Adj vs "World Less-China" % S/U

MY 2007/08 thru "Current" MY 2022/23 as of the April 11, 2023 WASDE Report



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World Soybean Meal Supply-Demand

MY 2007/08 – "Current" MY 2022/23 as of the April 11, 2023 USDA WASDE Report



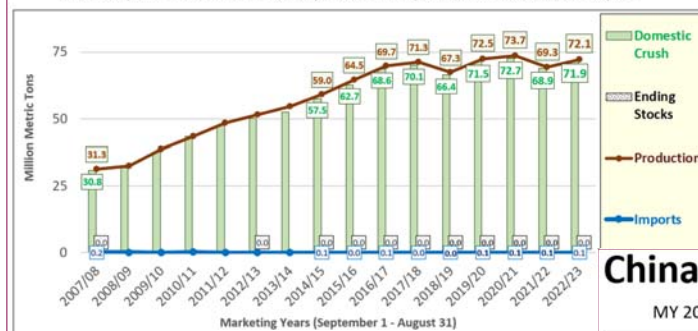
World Soybean Oil Supply-Demand

MY 2007/08 – "Current" MY 2022/23 as of the April 11, 2023 USDA WASDE Report



China Soybean Meal Supply-Demand

MY 2007/08 – "Current" MY 2022/23 as of the April 11, 2023 USDA WASDE Report



China Soybean Oil Supply-Demand

MY 2007/08 – "Current" MY 2022/23 as of the April 11, 2023 USDA WASDE Report



Japan Soybean Meal Supply-Demand

MY 2007/08 – "Current" MY 2022/23 as of the April 11, 2023 USDA WASDE Report



Japan Soybean Oil Supply-Demand

MY 2007/08 – "Current" MY 2022/23 as of the April 11, 2023 USDA WASDE Report



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Wheat Markets

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Department of Agricultural Economics

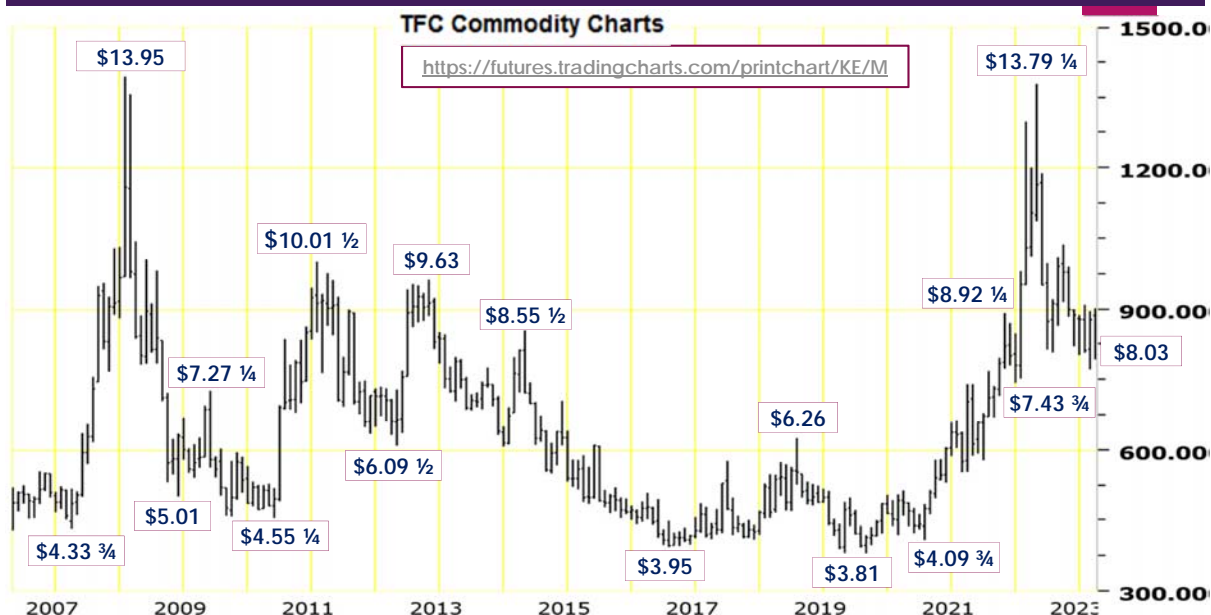
Key Trends in Global Wheat Markets

55

- 1) Historically “*tight*” World Ending Stocks & % Stocks-to-Use in “Current” MY 2022/24
 - Will supply-demand balances rebuild in “New Crop” MY 2023/24?
- 2) **Ukraine**^{Russia} **trade arrangements** are “On-again / Off-again” - adding “*geo-political swing factors*” into global wheat markets
- 3) Anticipating **2023/2024 “El Nino” weather impacts** on wheat crops in Australia^(↓), North America ^(+/-), Europe, Black Sea, & elsewhere

CME HRW Wheat Futures *Continuous Monthly since May 2006*

56



CME HRW Wheat Futures *Continuous Weekly to 4/25/2023*

57

KE - Wheat (Kansas) (Electronic) - Weekly Chart

Change: -24.250

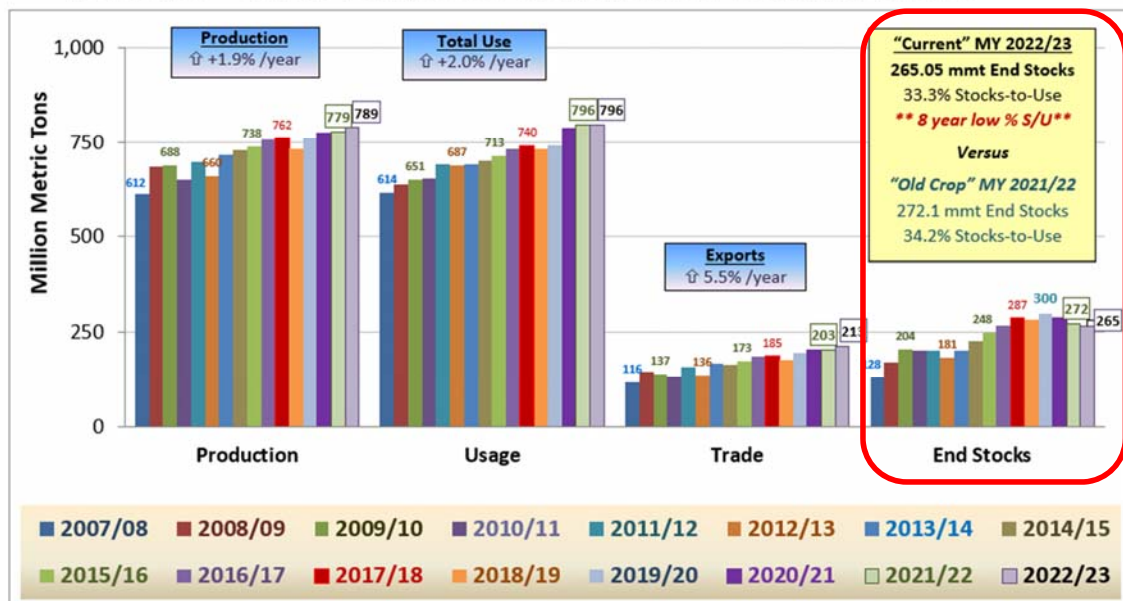
04/25/2023 O: 827.250 H: 835.250 L: 794.000 C: 803.000 Vol: 52355 OI: 86475



World Wheat Usage & Ending Stocks

58

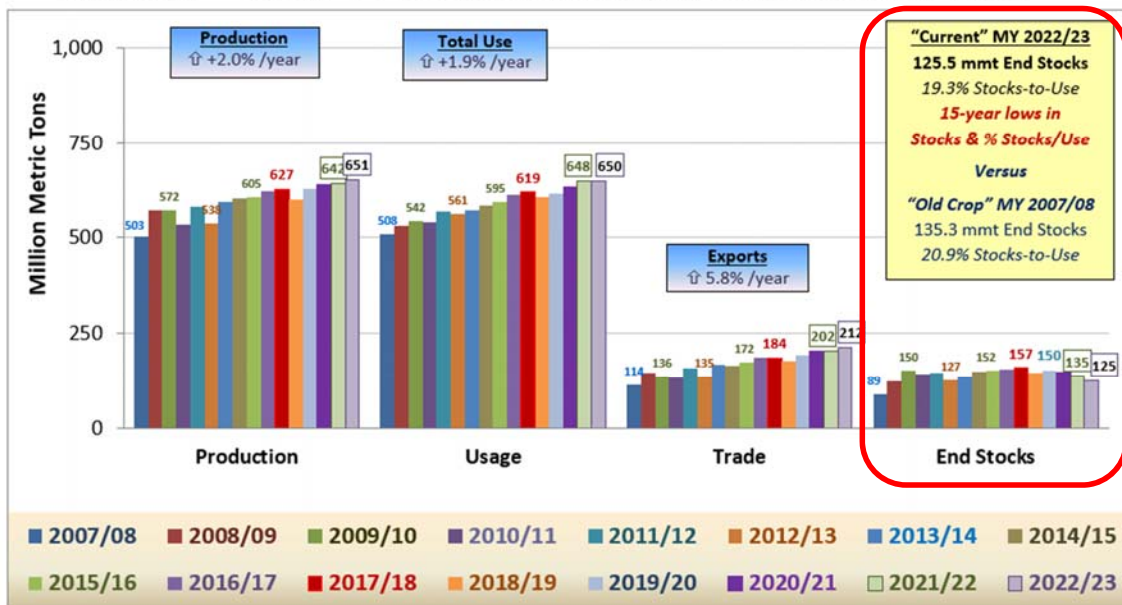
MY 2007/08 - "Current" 2022/23 as of the April 11, 2023 USDA WASDE Report



“World *Less-China*” Wheat Usage & Ending Stocks

59

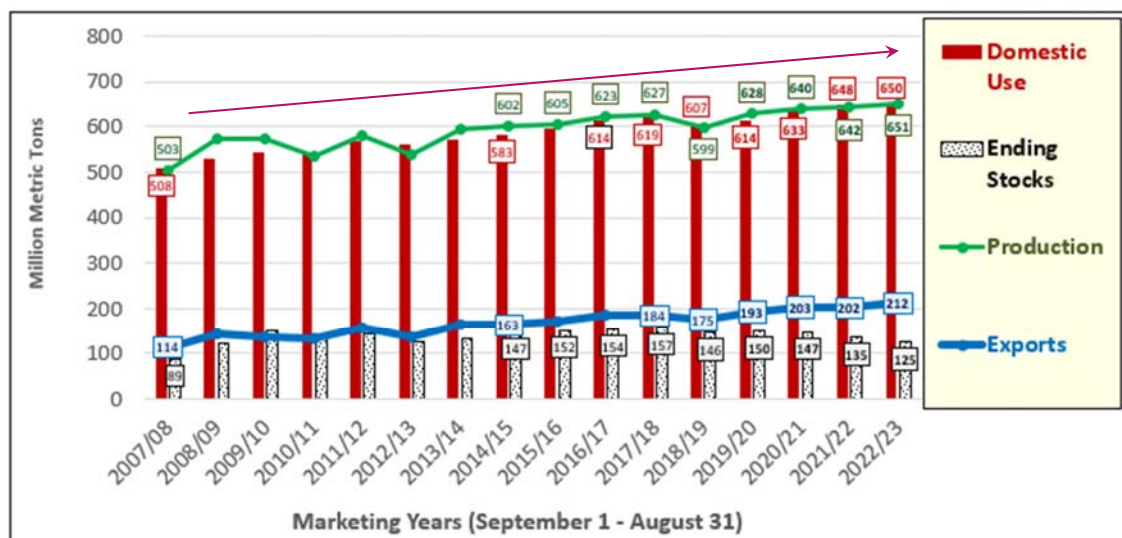
MY 2007/08 - “Current” MY 2022/23 as of the April 11, 2023 USDA WASDE Report



World *Less-China* Wheat Supply-Demand

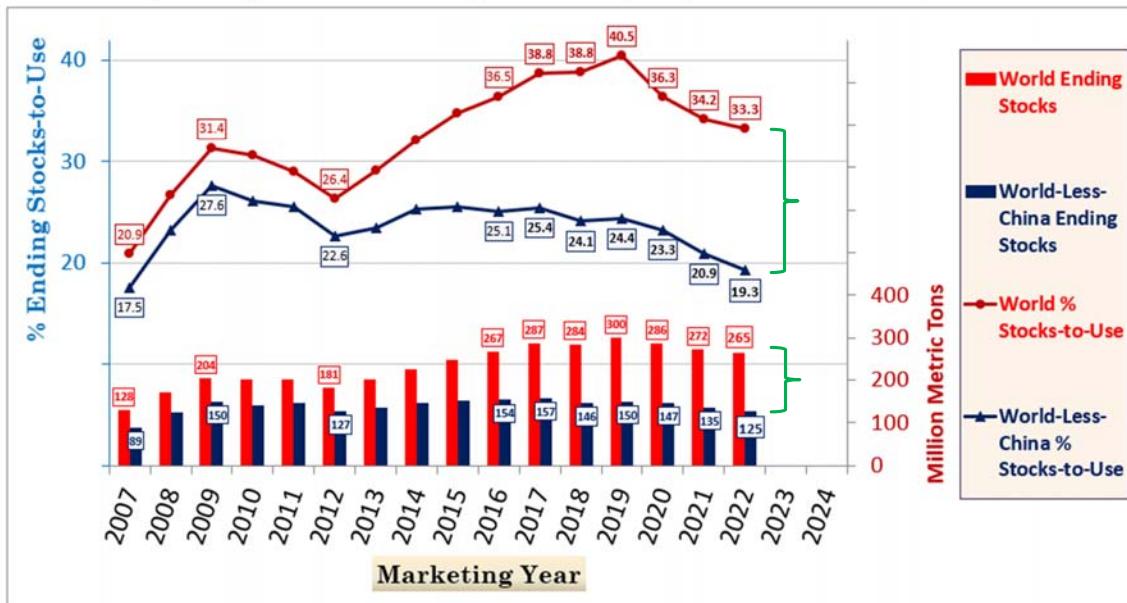
60

MY 2007/08 – “Current” MY 2022/23 as of the April 11, 2023 USDA WASDE report



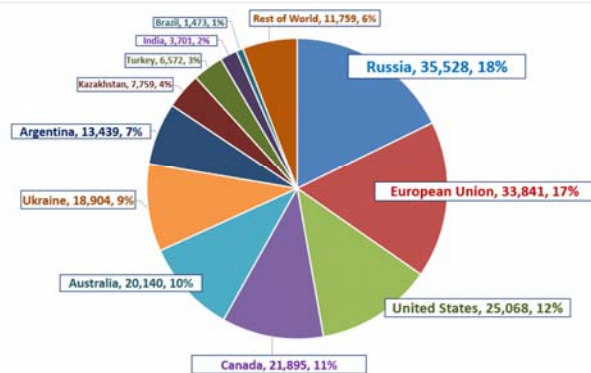
World vs "World Less-China" Wheat Stocks & % S/U

MY 2007/08 through "Current" MY 2022/23 as of the April 11, 2023 USDA WASDE report



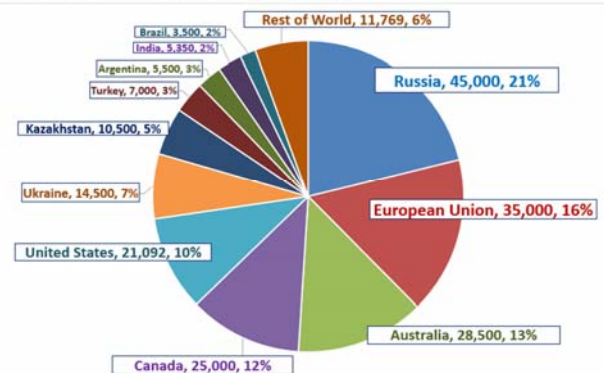
World Wheat Exporting Countries 3 Year Average

MY 2019/20 - 2021/22 Source: USDA FAS PSD-Online, (1,000 mt); April 11, 2023 USDA WASDE



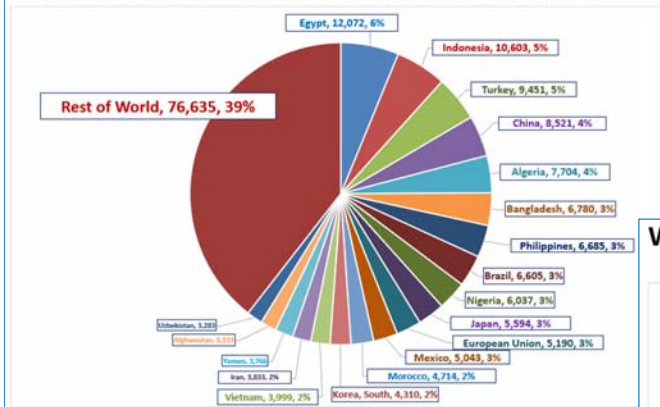
World Wheat Exporting Countries "Current" 2022/23

Source: USDA FAS PSD-Online, (1,000 mt); as of April 11, 2023



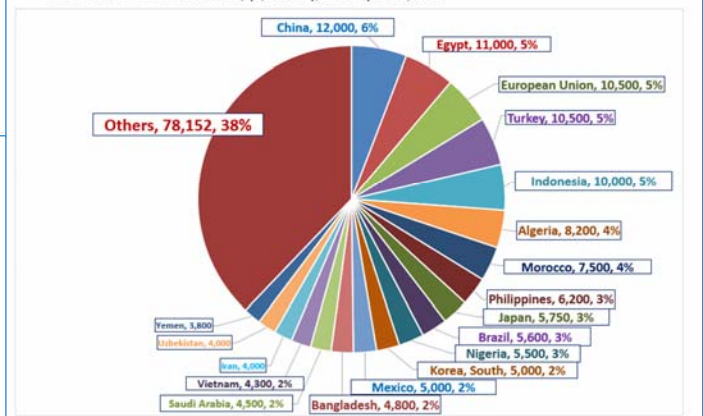
World Wheat Importing Countries – 3 Year Average

(MY 2019/20 - 2021/22) Source: USDA FAS PSD-Online, (1,000 mt); as of April 11, 2023



World Wheat Importing Countries – “Current” MY 2022/23

Source: USDA FAS PSD-Online, (1,000 mt); as of April 11, 2023



Ukraine Wheat Supply-Demand

MY 2013/14 – “Current” MY 2022/23 as of the April 11, 2023 USDA WASDE report



Russia Wheat Supply-Demand

MY 2013/14 – “Current” 2022/23 as of the April 11, 2023 USDA WASDE report



Canada Wheat Supply-Demand Trends

MY 2013/14 – "New Crop" MY 2022/23 as of the April 11, 2023 USDA WASDE report



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Argentina Wheat S-D Trends

MY 2013/14 – "New Crop" MY 2022/23 as of the April 11, 2023 USDA WASDE report



European Union Wheat S-D Trends

MY 2013/14 – "New Crop" MY 2022/23 as of the April 11, 2023 USDA WASDE report



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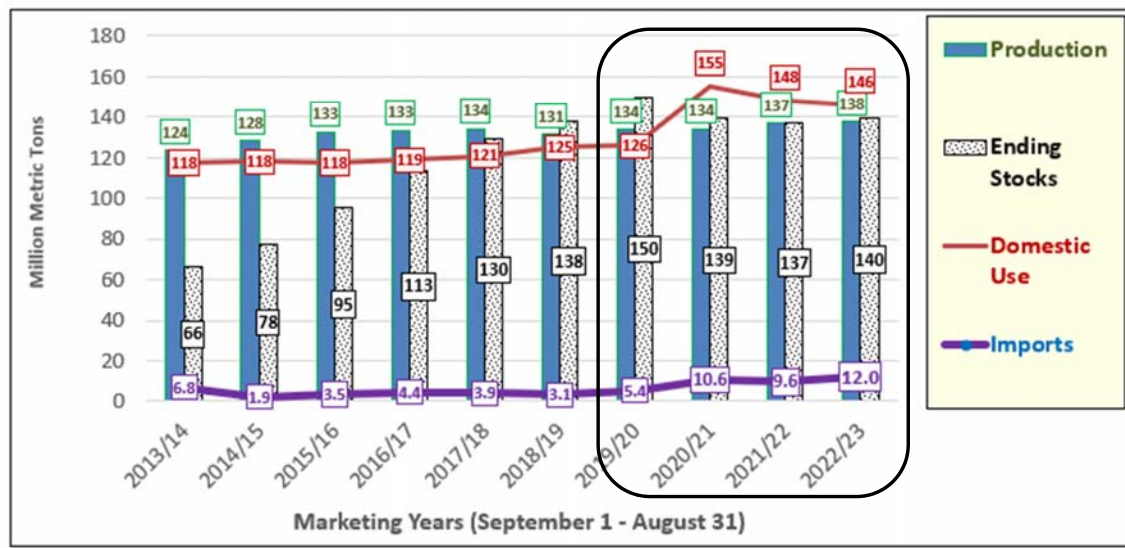
Australia Wheat Supply-Demand Trends

MY 2013/14 – "New Crop" MY 2022/23 as of the April 11, 2023 USDA WASDE report



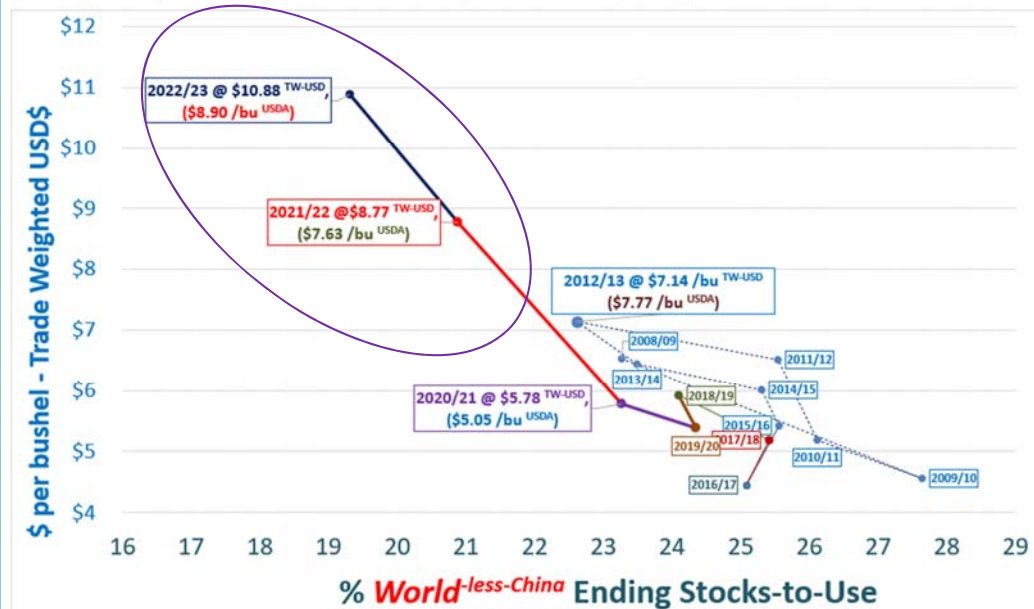
China Wheat Supply-Demand

MY 2013/14 – “Current” MY 2022/23 as of the April 11, 2023 USDA WASDE report



U.S. Wheat \$ Trade-Wtd USD\$ vs World Less-China % S/U

MY 2008/09 through “Current” 2022/23 as of the April 11, 2023 USDA WASDE



International Grain Market Trends 2023/2024

in Kansas, the U.S. & Globally

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Record world production of Wheat and Oilseeds

- *Record Wheat Production— 789 mmts*
- *Record Soybeans Production— 370 mmts*
- *Record Canola / Rapeseed Production— 87.2 mmts*
- *Record Palm Oil Production— 78 mmts*
- *2nd Highest Corn Production— 1,145 mmts*

Countries at Risk IN 2023/24



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A risk to the global economy is the rising number of states that have already failed, or are economically ready to collapse. We are facing more than a couple of “hot spots”, a world in which there are a number of states that have already failed, along with many others that are facing immediate economic crises.

Rising food and energy prices may simultaneously escalate these situations, destabilizing these countries to levels which could result in an unmanageable challenge for the international community to successfully address.

On the following slides, GDP per Capita is used as a reasonable measure of the economic situation for a median household, and a recently reported inflation rate. As a baseline the US those figures are roughly GDP PC \$70,000 and 6% respectively.

Countries at Risk 2023/24

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Other Countries at Risk...

Europe

- **Ukraine** - will cost trillions over 10 to 15 years, even once the fighting can be stopped.
- **Germany** - faces an unhappy future, as a mild winter allowed them to get through 2022-23; but will continue with stressed energy supplies.
- **United Kingdom** - clearly falls into the category of countries that are “just doing terribly” post-Brexit failing to form new trading.

Countries at Risk 2023/24

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Other Countries at Risk...

Middle East

- **Syria** - statistics from the war-torn are country are unavailable, but it's another country from which millions of people have fled.
- **Yemen** - (GDP PC \$3,500, 17 percent) is locked in a civil war.
- **Lebanon** - (GDP PC \$14k) governments are perpetually undermined by sectarian militias.
- **Turkey** (GDSP PC \$30, 50 percent or more), a middle-income country, has a currency crisis due to its need to import energy and food.

Countries at Risk 2023/24

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Other Countries at Risk...

Africa

- **Sudan** - as one more failed state in the world as it slips back into civil war.
- **Zimbabwe** - continues to be the poster child of poor government and may have lost half its 15m population due to emigration and excess rates of death.
- **South Africa** - has a middle-income economy, but government corruption is pervasive. That saps legitimate entrepreneurial activity, misallocates capital, and discourages investment.

Countries at Risk 2023/24

74

Other Countries at Risk...

Asia

- **Pakistan** - (GDP PC \$5,800, 50%+) is in desperate need of an IMF bailout to buy food and fuel, but the government repeatedly fails to offer the fiscal reforms needed.
- **Sri Lanka** - (GDP PC \$15k, at least 50%, similar to Pakistan).
- **North Korea** - (no reliable figures) appears stable, one of the poorest countries in the world.

Other Countries at Risk...

Americas

- **Haiti** - (GPC PC \$3k, 44%) has no functioning government and roaming armed gangs terrorize the populace.
- **Cuba** – there are no meaningful statistics for Cuba, but without the support of either Russia or Venezuela, the country faces dire economic circumstances.
- **Venezuela** - has a decent (GDP PC \$17k) but is so mismanaged that the inflation rate exceeds 400% & at least 7 million citizens have fled the country.
- **Argentina** - should be an economic powerhouse with (GDP PC \$24k), but its economy is in tatters with a 100% inflation rate due to a century-long habit.



Questions?

Daniel O'Brien – Extension Ag Economist

Blog: www.ksugrains.wordpress.com

KSUGrains on Twitter

www.AgManager.info



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