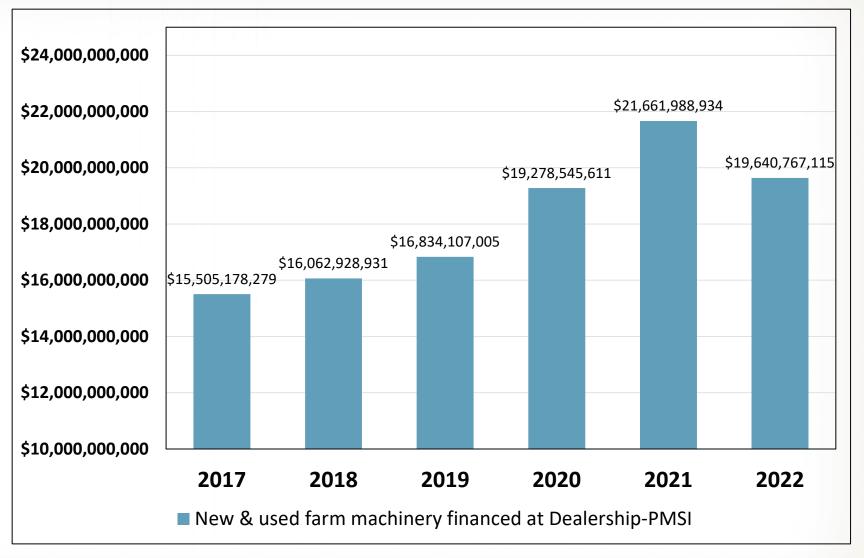
## Ag Machinery Market Update

**June 2023** 

AgDirect.

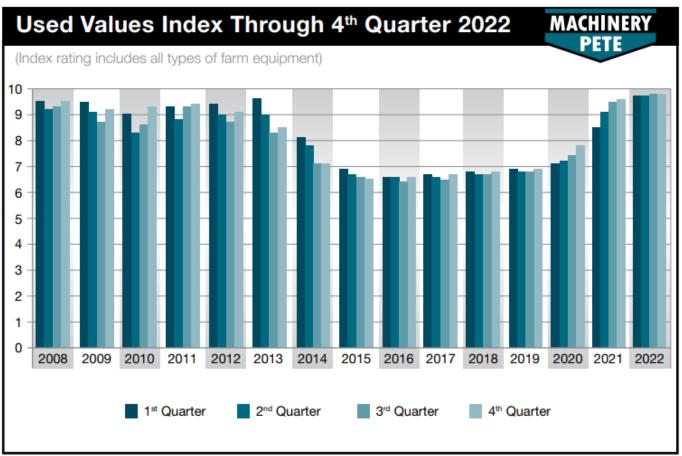
ANNIVERSARY
1998 - 2023

## **Ag Machinery Market**















Quarter	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
First	9.5	9.5	9.0	9.3	9.4	9.5	8.1	6.9	6.6	6.7	6.8	6.9	7.1	8.5	9.7
Second	9.2	9.1	8.3	8.8	9.0	9.0	7.8	6.7	6.6	6.6	6.7	6.8	7.2	9.1	9.7
Third	9.3	8.7	8.6	9.3	8.7	8.3	7.1	6.6	6.4	6.5	6.7	6.8	7.4	9.5	9.8
Fourth	9.5	9.2	9.3	9.4	9.1	8.5	7.1	6.5	6.6	6.7	6.8	6.9	7.8	9.6	9.8

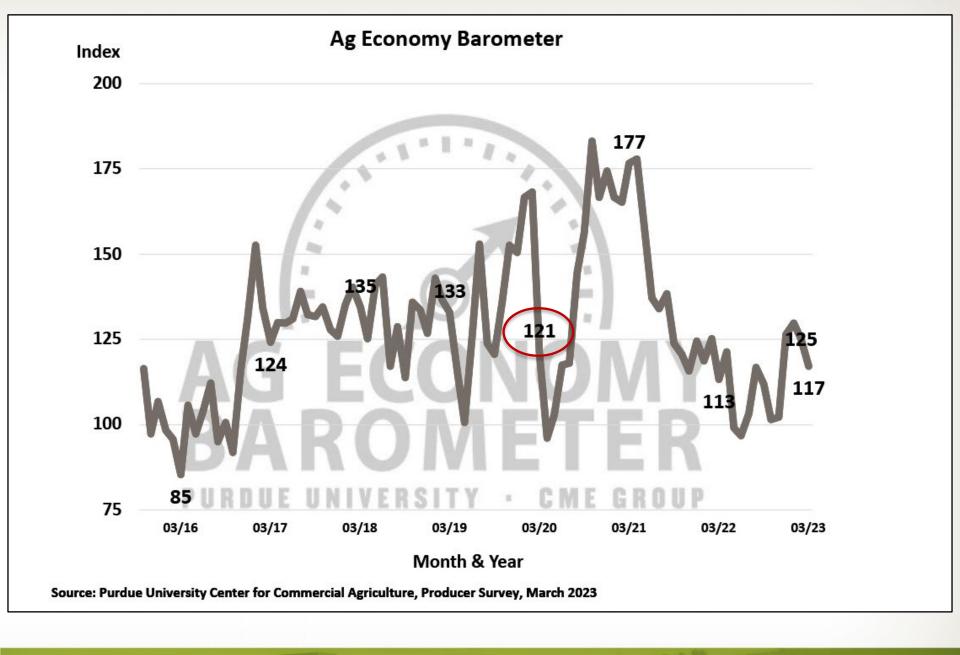
AgDirect. 25



## 2019-Present

- Government subsidies increased 107% from 2019-2020
- Strong recovery in commodity prices
  - Food security became priority during/after Covid
- Farmer optimism at an all-time high in fall 2020
- Unprecedented sales of farm machinery sold 2020-2022
- Record sales of farm machinery in 2021
- Demand outgrew supply causing delays & disruptions
- Price increases of 25-40% from inflation & market demand









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Categories > Production & Business Activity > Manufacturing > New Orders

2014

2015

2016

2017

#### Manufacturers' New Orders: Durable Goods (DGORDER) DOWNLOAD 🕹 Observation: Units: Frequency: 1Y | 5Y | 10Y | Max Millions of Dollars, Feb 2023: 268,356 Monthly EDIT GRAPH 🔅 Seasonally Adjusted (+ more) 2013-02-01 2023-02-01 to Updated: Apr 4, 2023 **FRED** Manufacturers' New Orders: Durable Goods 320,000 300,000 280,000 260,000 Millions of Dollars 240,000 220,000 200,000 180,000 160,000 140,000

2018

2019

2020

2021



2022

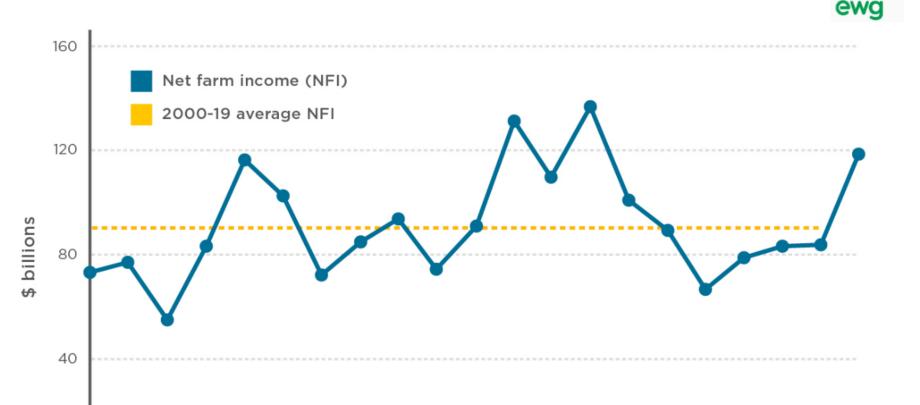
2023

Between 2019 and 2020, total direct government payments to farms increased by over 107 percent, bringing the share of farm income from government payments to almost 40 percent. As the graphic below shows, that pushed 2020 farm income levels significantly above the 20-year average.

Net Farm Income, 2000-2020

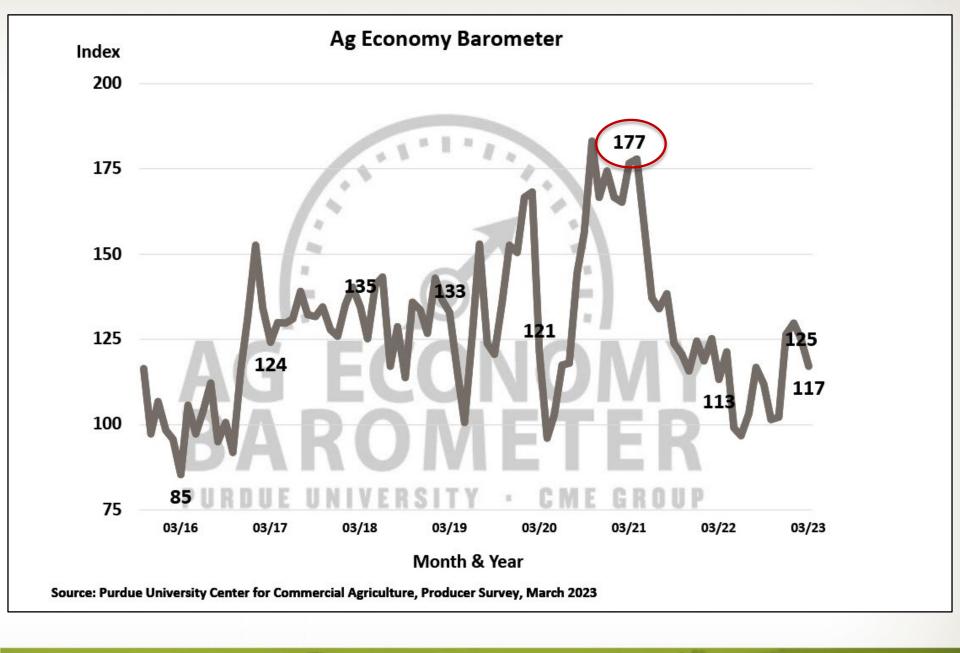
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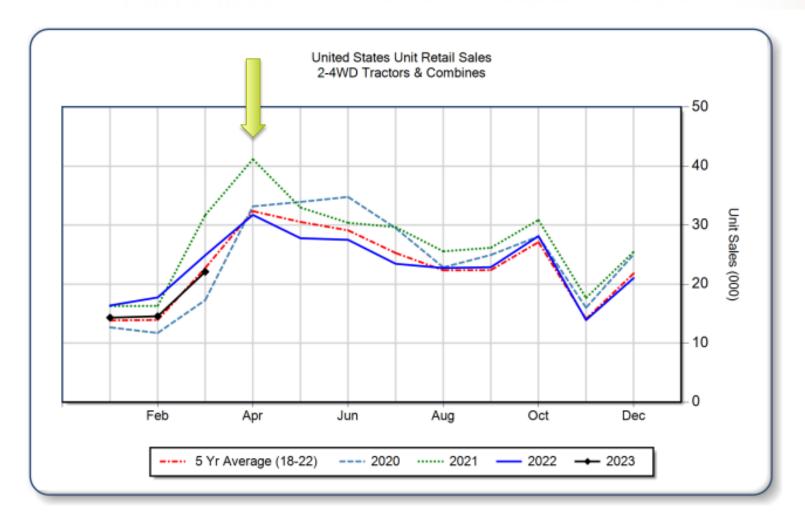














Ambrook Research

Supply Chain

## Nationwide Steel Shortage Leaves Farm Equipment in Short Supply



"Our members are telling us that this is something they've never experienced."











## Case IH Combine Plant – Grand Island, NE

Pictures taken 4/10/23











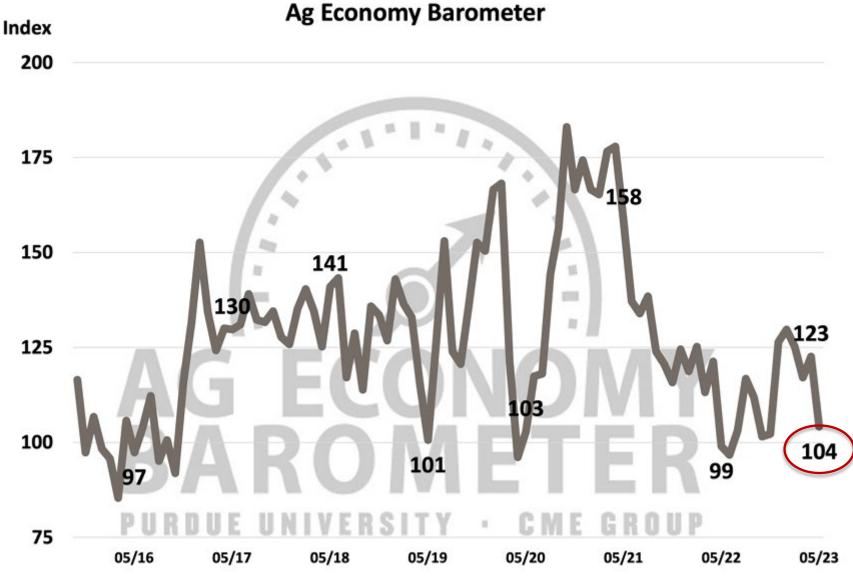












Month & Year

Source: Purdue University Center for Commercial Agriculture, Producer Survey, May 2023

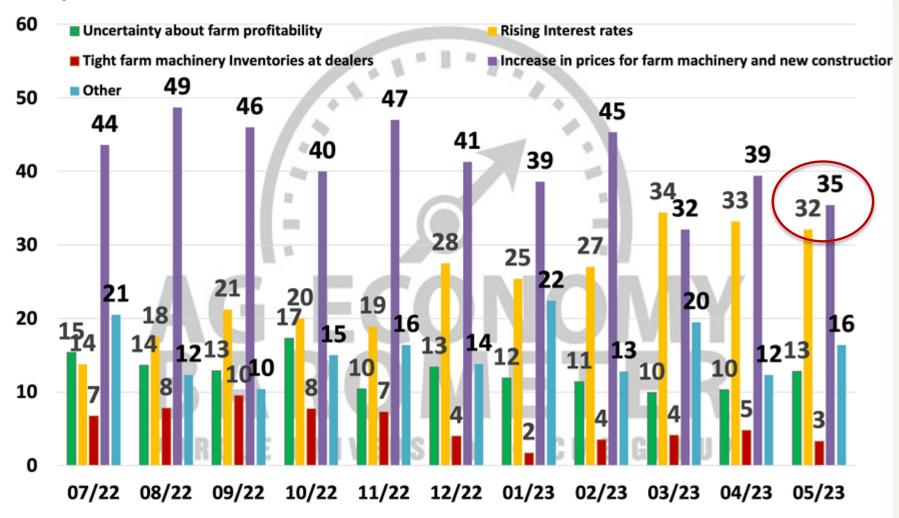




#### Primary Reason Now Is a Bad Time to Make Large Investments

Question was only posed to those who said now is a bad time to make large investments



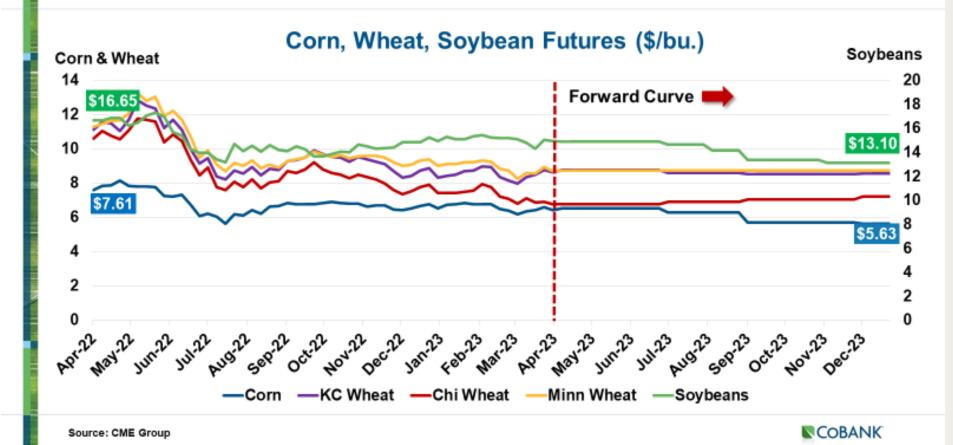


Source: Purdue Center for Commercial Agriculture, Producer Survey, May 2023





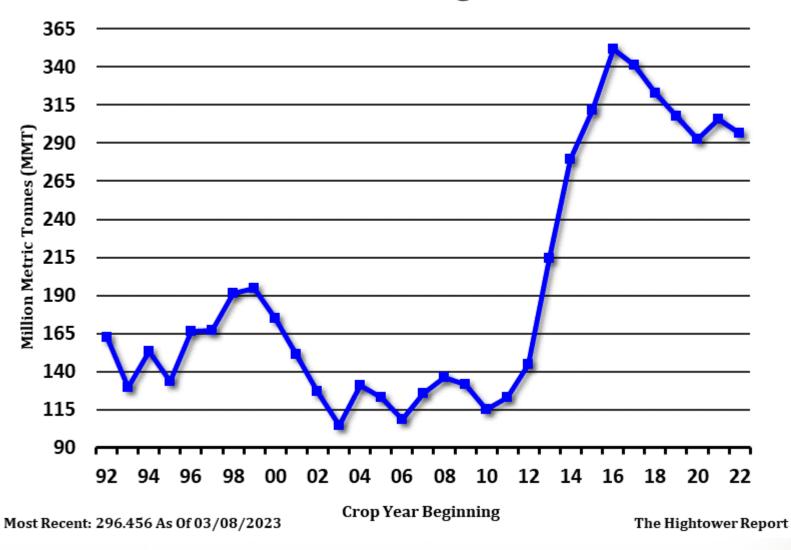
#### Grain/Oilseed Prices Have Moderated But Remain Elevated







### **World Corn - Ending Stocks**









#### AEM United States Ag Tractor and Combine Report March 2023

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		March		YT	Beginning Inventory		
	2023	2022	%Chg	2023	2022	%Chg	Mar 2023
2WD Farm Tractors							
< 40 HP	14,560	16,978	-14.2	31,288	39,175	-20.1	111,353
40 < 100 HP	4,755	5,389	-11.8	12,047	13,539	-11.0	34,727
100+ HP	1,857	1,978	-6.1	5,210	4,952	5.2	8,975
<b>Total 2WD Farm Tractors</b>	21,172	24,345	-13.0	48,545	57,666	-15.8	155,055
4WD Farm Tractors	414	201	106.0	898	596	50.7	520
<b>Total Farm Tractors</b>	21,586	24,546	-12.1	49,443	58,262	-15.1	155,575
Self-Prop Combines	509	346	47.1	1,514	751	101.6	1,256

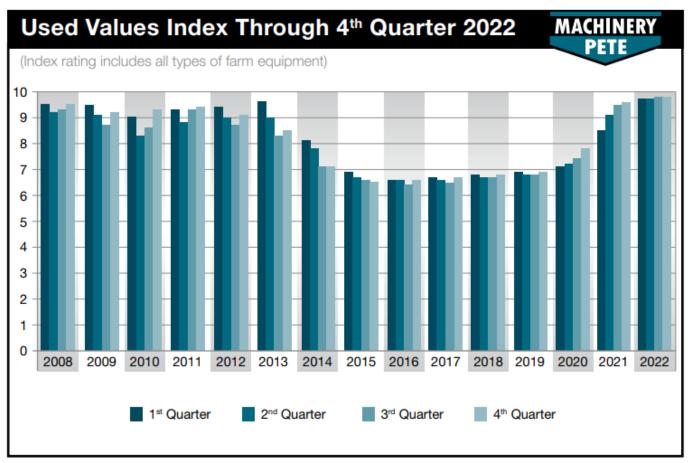




## Case IH Combine Plant – Grand Island, NE

Pictures taken 4/10/23









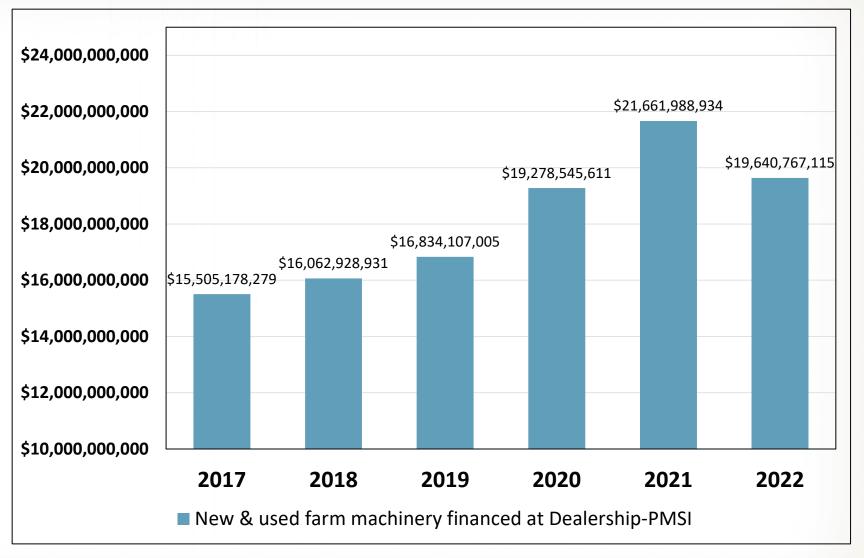


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## **Ag Machinery Market**





## Summary

- Experienced record sales in new & used farm machinery 2019 2023 and the market will remain strong for the foreseeable future
- Looking ahead:
  - I expect 2023-2024 to be strong as new inventory is delivered to dealer network for retail
  - I anticipate that leasing will become more popular with cost of machinery coupled with high interest rates
  - Late model equipment will continue to be in high demand and hold its value through 2027-2028 and then could soften depending on commodity prices
  - Before 2030, we will see softening of machinery values from declines in commodity prices, advances in technology and a spike in U.S. producers retiring (average age is 59-60 today)













Greg Roberg AgDirect

# THANKYOU

AgDirect.

