# CROP OUTLOOK UPDATE JUNE 13, 2022

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# Key Changes to U.S. Corn Balance Sheet in USDA's June WASDE

#### **Changes to 2021/2022 Corn Balance Sheet**

- ✓ Industrial usage up by 5 m. bushels to 6.815 billion bushels, but no change in ethanol usage
- ✓ Reduced export estimate by 50 m. bushels to 2.45 billion
- ✓ U.S. corn ending stocks estimate for '21'22 marketing year rose 55 m. bu. to 1.485 billion bushels

#### Changes to the 2022/2023 crop year Corn Balance Sheet

- ✓ Industrial usage increased by 5 m. bushels to 6.820 billion bushels, but no change in ethanol usage
- $\checkmark$  U.S. projected 22/23 carryover = 1.4 billion bushels, up 40 million bu. from last month
  - √ Rise in projected carryover primarily because of larger carryover from 21/22 crop year



# Key Changes in USDA's Corn Trade Projections in June WASDE

- ✓ Changes in 2021/2022 Trade Matrix
  - ✓ Small increase (0.3 million metric tons) in major exporters ending stocks, all of increase was in Russia.
  - √ No change in Ukraine's estimated carryover compared to May estimate
- ✓ Changes in the 2022/2023 crop year trade matrix estimates
  - ✓ World Ending Stocks (less China) up by 5.3 million metric tons compared to May estimate
  - √ U.S. ending stocks up by 1 million metric tons
  - √ No change in South American or South Africa's ending stocks
  - ✓ But Ukraine's ending stocks up 4 million metric tons & Russia's up by 0.3 million metric tons

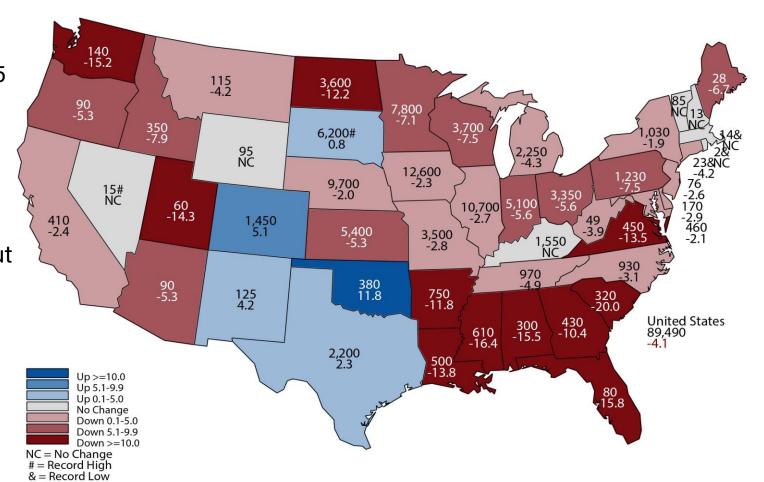


#### **2022 CORN PLANTED ACREAGE**

#### THOUSAND ACRES AND PERCENT CHANGE FROM PREVIOUS YEAR

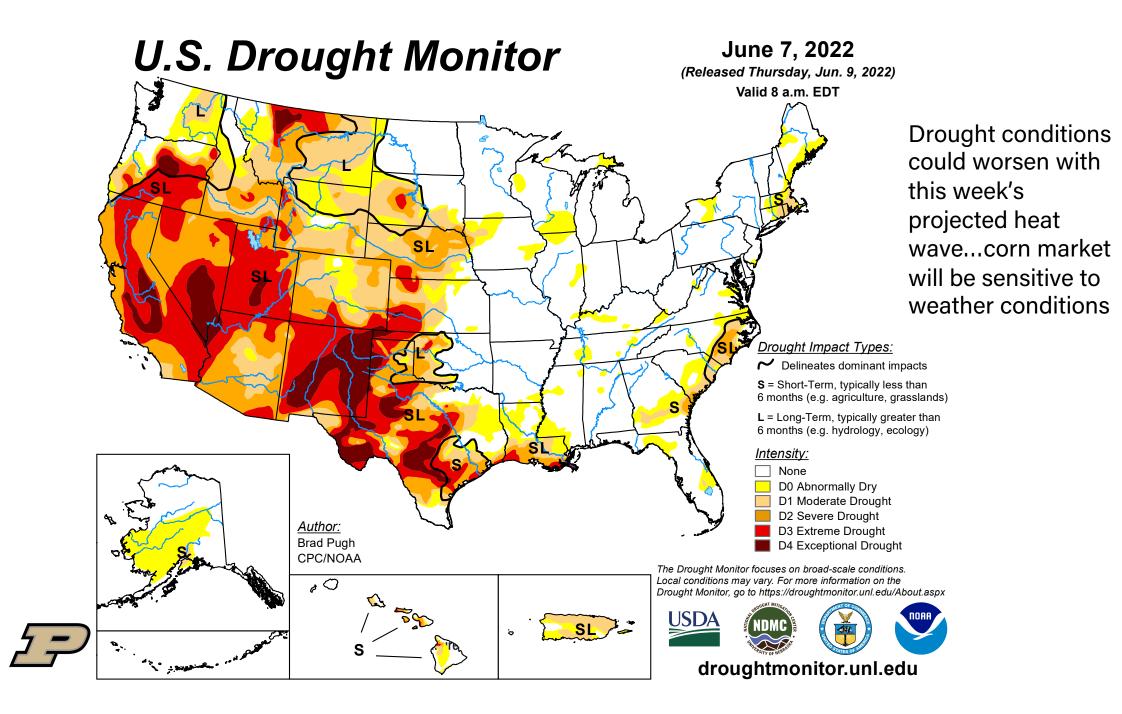
94% of U.S. crop planted thru June 5 vs 92% average

North Dakota still behind average, but South Dakota & Minnesota both caught up to average



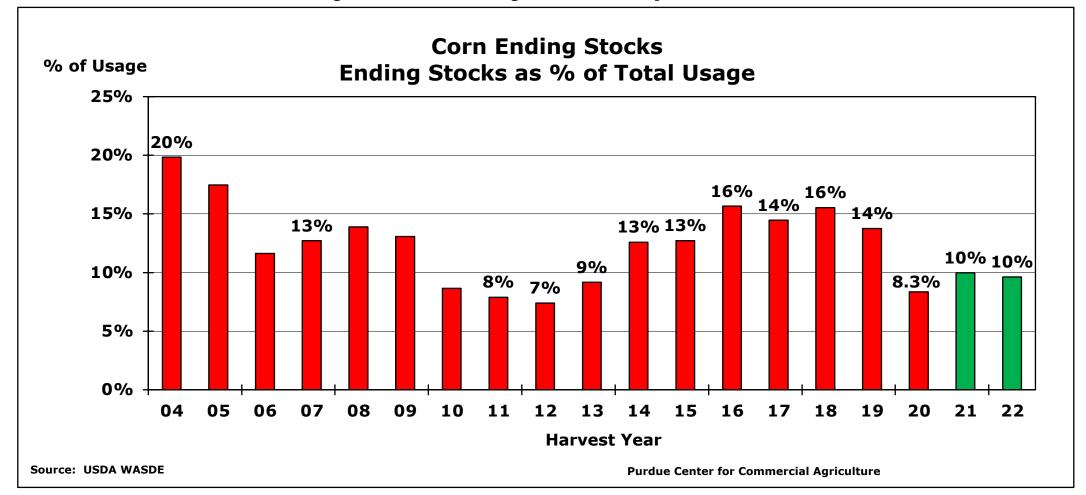
73% of U.S. crop rated good to excellent thru June 5, but conditions are still variable across states. Condition ratings likely to weaken, depending on severity of this week's heat wave.





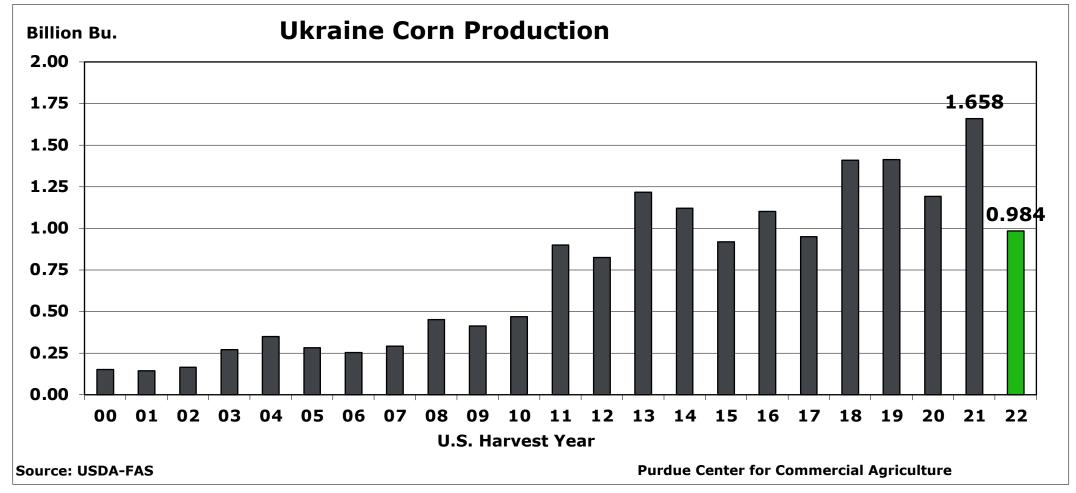
# USDA's Revisions Push U.S. Ending Stocks Estimate to 10% of Usage

But The Risk Remains That Ending Stocks Will Be Tighter Than Projected



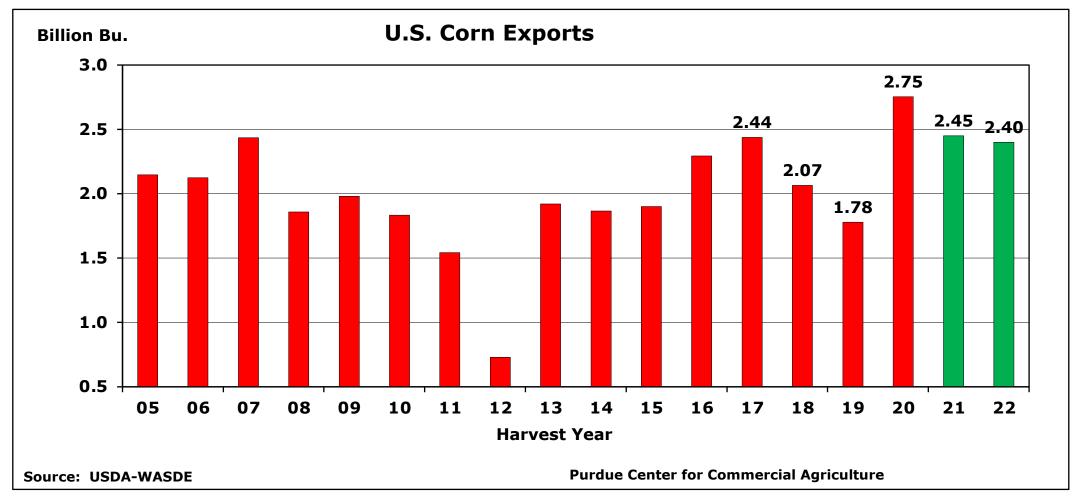


### USDA's Estimating a 41% Decline in Ukraine's Corn Production & 61% Decline in Exports





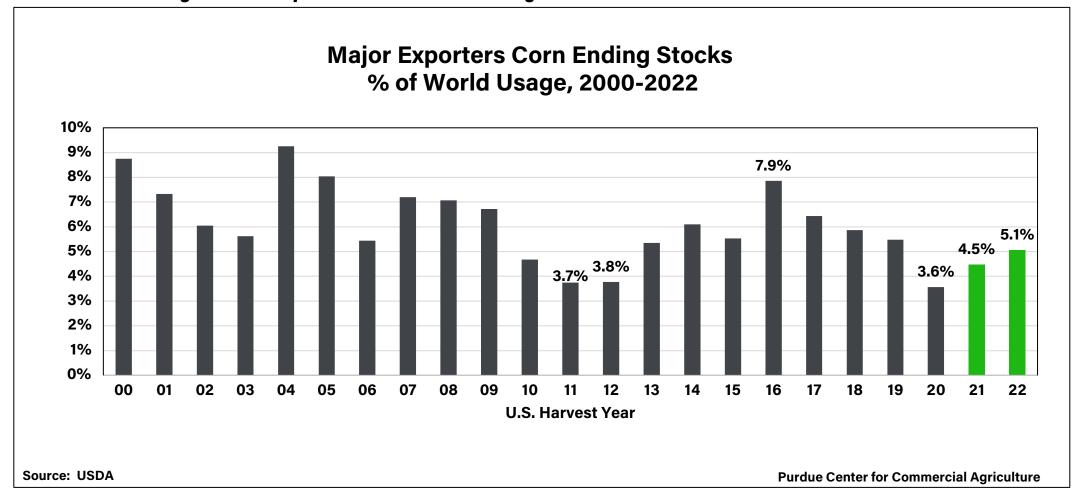
### But Decline in U.S. Corn Exports in '22 Crop Year Seems Unlikely Given Ukraine Situation





# Major Exporter Ending Stocks Are Tighter Than They Appear...

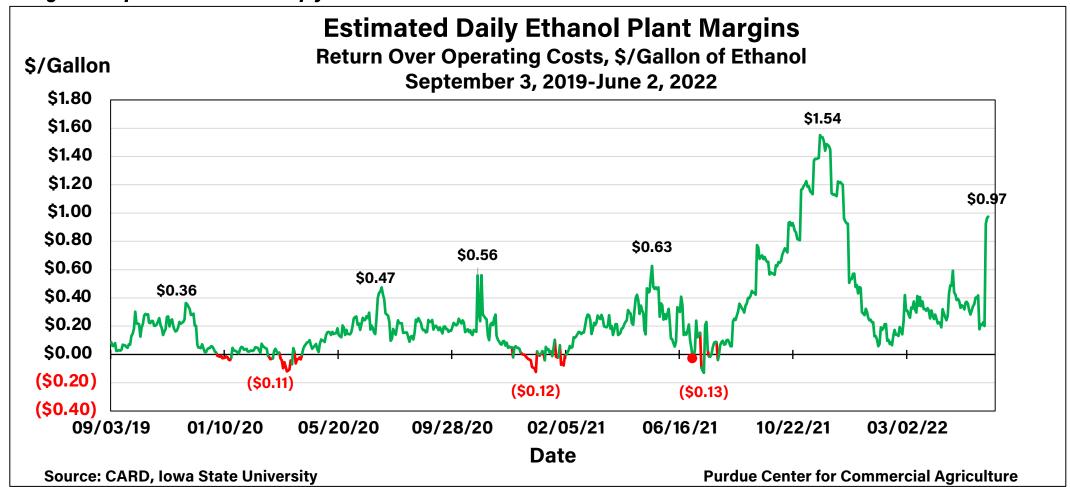
Without Ukraine, Ending Stocks Drop to Just 4% of World Usage





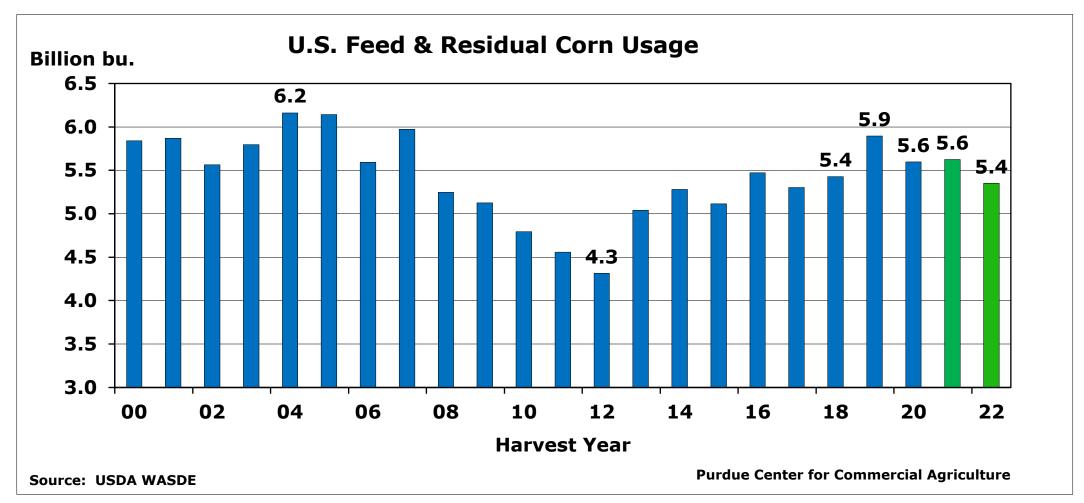
### Ethanol Margins Remain Positive, Will Ethanol Grind Exceed USDA's Projection?

Usage still up 8% so far this crop year



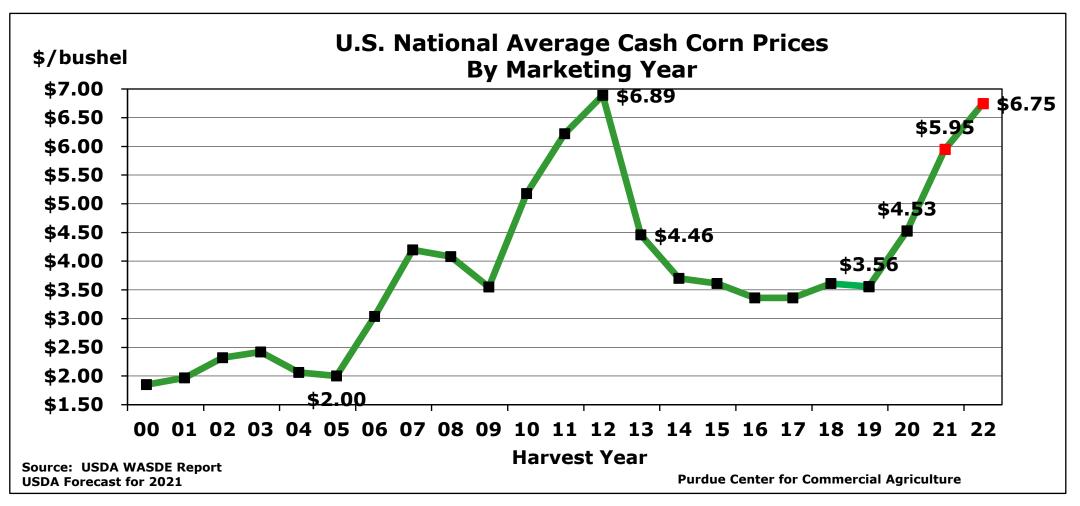


# USDA Expects Domestic Feed Usage to Decline in the '22 Crop Year





# USDA Raised '21 Crop Average by \$0.05, No Change in '22 Crop Forecast

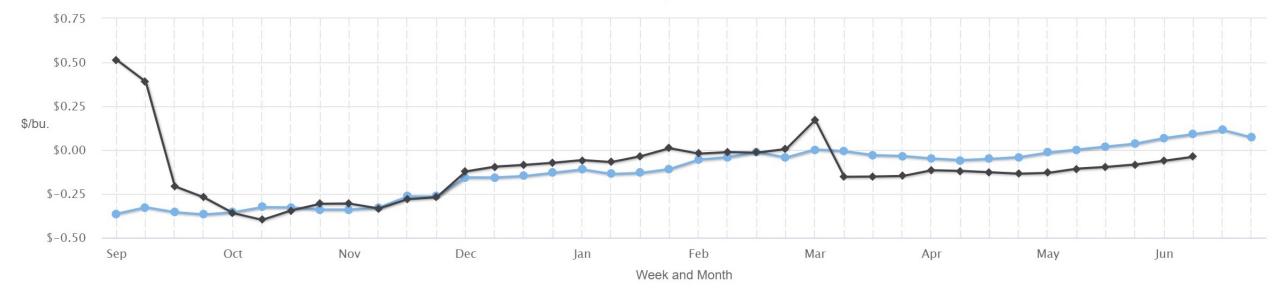




# Corn basis - Central Indiana - 3 year average

#### Purdue Center for Commercial Agriculture Crop Basis Tool

Corn: IN CENTRAL Region, July Contract Basis, Weekly Avg. of Selected Historical Crop Years [2018–2019,2019–2020,2020–2021] vs. Current Crop Year



→ Historical July Contract Basis, Avg of Selected Crop Years → 2021–2022 Regional July Contract Basis

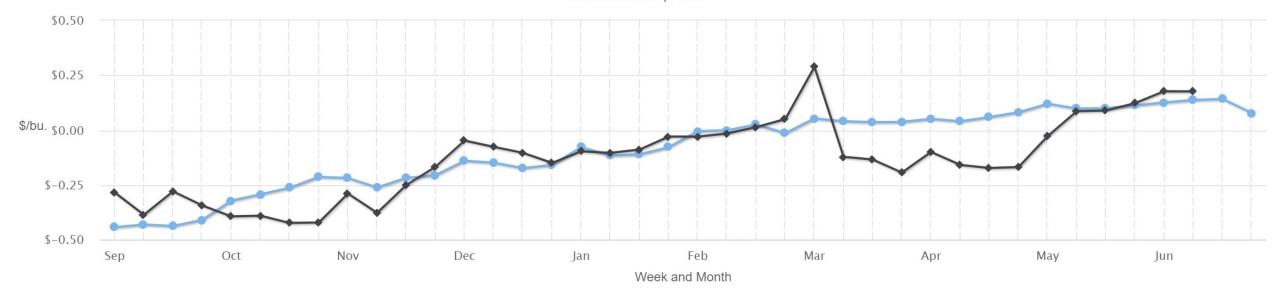
https://www.purdue.edu/commercialag



# Corn basis - Southwest Indiana - 3 year average

#### Purdue Center for Commercial Agriculture Crop Basis Tool

Corn: IN SW Region, July Contract Basis, Weekly Avg. of Selected Historical Crop Years [2018–2019,2019–2020,2020–2021] vs. Current Crop Year

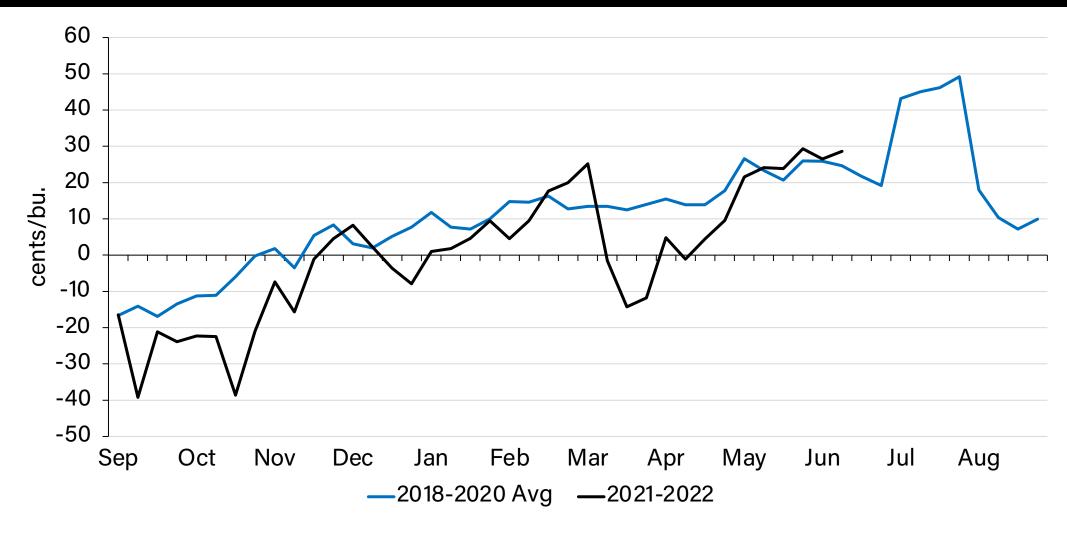


→ Historical July Contract Basis, Avg of Selected Crop Years → 2021–2022 Regional July Contract Basis

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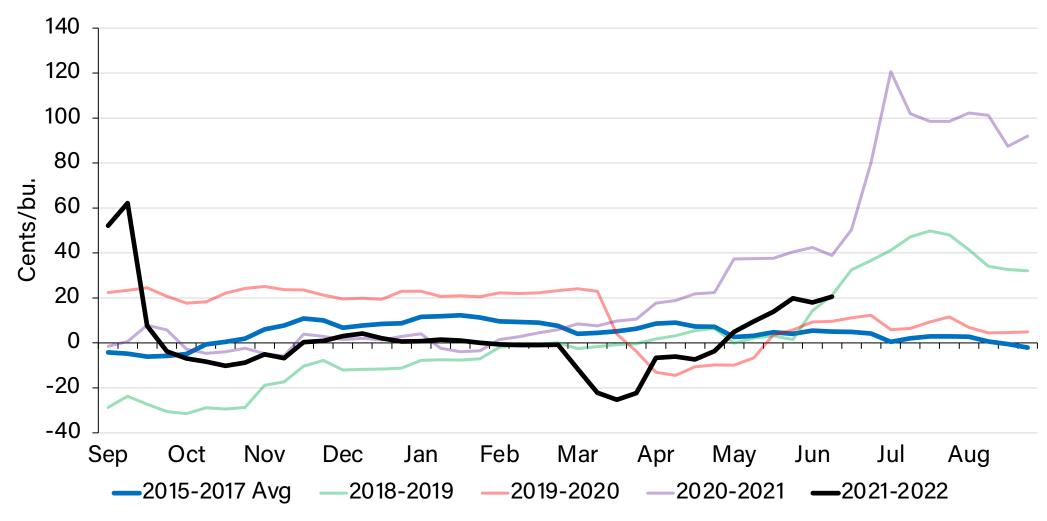


### Corn River Basis-Southern Indiana and Southern Illinois River Terminals



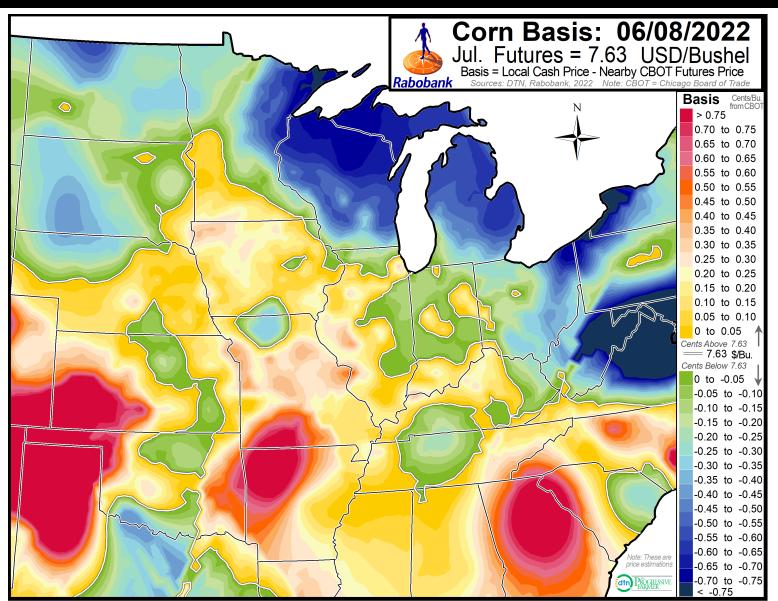


# Indiana ethanol plant basis



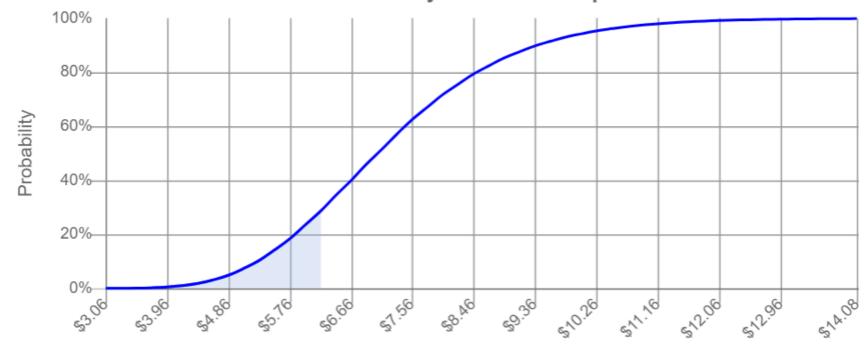


# Basis Strength Driven By Ethanol, Livestock & Export Demand



# farmdoc Price Discovery Tool: Dec. '22 Corn Futures





Source: https://fd-tools.ncsa.illinois.edu/pricedistribution

~25 exp

5% chance that Dec	. '22 corn futures	are below \$6 at
oiration.		

Price at Expiration	Probability Below	
\$6.25	29.80%	
\$6.50	36.11%	
\$6.75	42.57%	
\$7.00	49.00%	
\$7.25	55.22%	
\$7.50	61.12%	
\$7.75	66.59%	
\$8.00	71.57%	
\$8.25	76.03%	

## Key Changes to Soybean Balance Sheet in USDA's June WASDE

#### **Changes to 2021/2022 Soybean Balance Sheet**

- ✓ Increased '21/22 export forecast by 30 million bushels... new total = 2.17 billion bushels
- ✓ 21/22 Ending stocks estimate declined 30 million bushels again... to 205 million bushels
- ✓ Raised '21 crop MYA price estimate to \$13.35/bu.

#### **Changes to 2022/2023 Soybean Balance Sheet**

- ✓ No change in use categories
- ✓ Ending stocks down 30 m. bu. to 280 m. bu. because of reduction in carryover from '21 crop
- √ Raised '22 crop MYA price forecast by \$0.30/bu. to \$14.70/bu.



# Key Changes to Soybean Trade Matrix in USDA's June WASDE

#### World soybean trade matrix

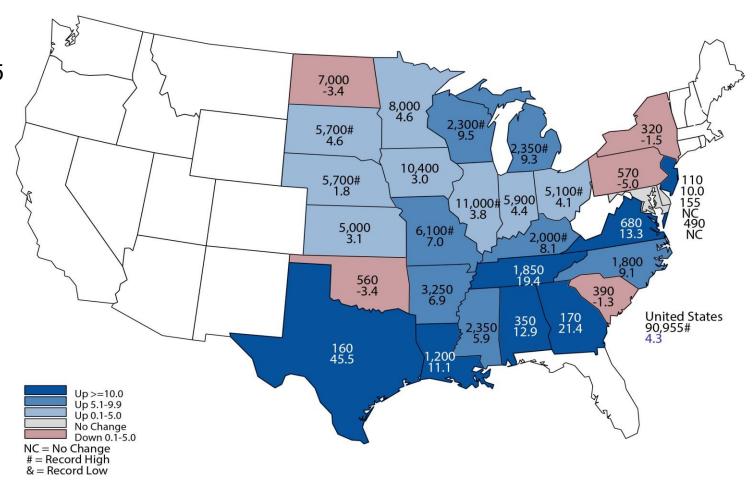
- ✓ Raised Brazil's '21/'22 harvest 1 mmt to 126 million metric tons
- ✓ Raised Argentina's '21/'22 harvest 1.4 mmt to 43.4 million metric tons
- ✓ Continue to expect big S. American production increases in '22/'23
  - √ Brazil expected to jump up to 149 mmt (+18%)
  - √ Argentina expected to increase to 51 mmt (+18%)
  - ✓ Result would lead to major exporter ending stocks rising to 16.4% of usage in '22/'23



# 2022 SOYBEAN PLANTED ACREAGE THOUSAND ACRES AND PERCENT CHANGE FROM PREVIOUS YEAR

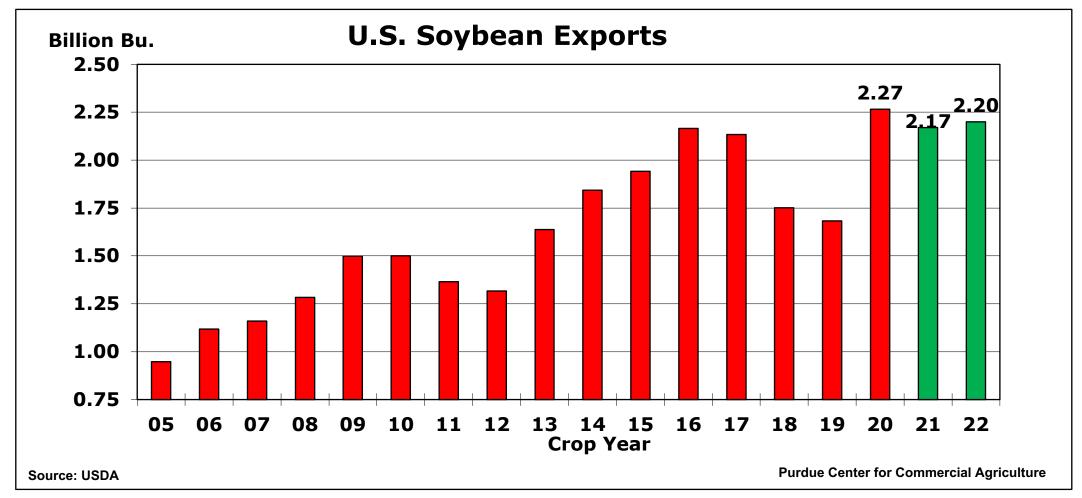
78% of U.S. crop planted thru June 5 vs 79% average

North Dakota & Minnesota still behind average, other states report average or above average progress





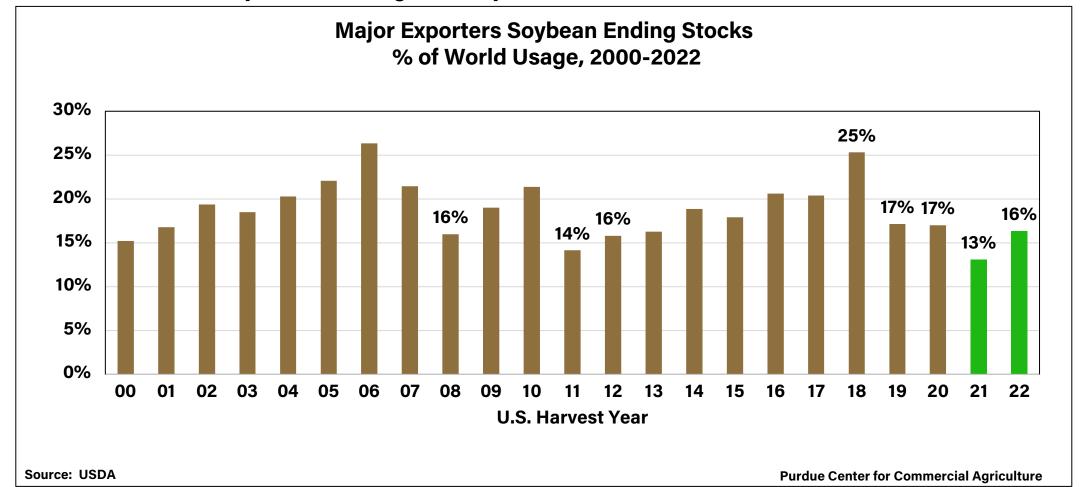
### USDA Has Been Raising '21 Crop Export Estimates, Another Rise Would Further Tighten Stocks





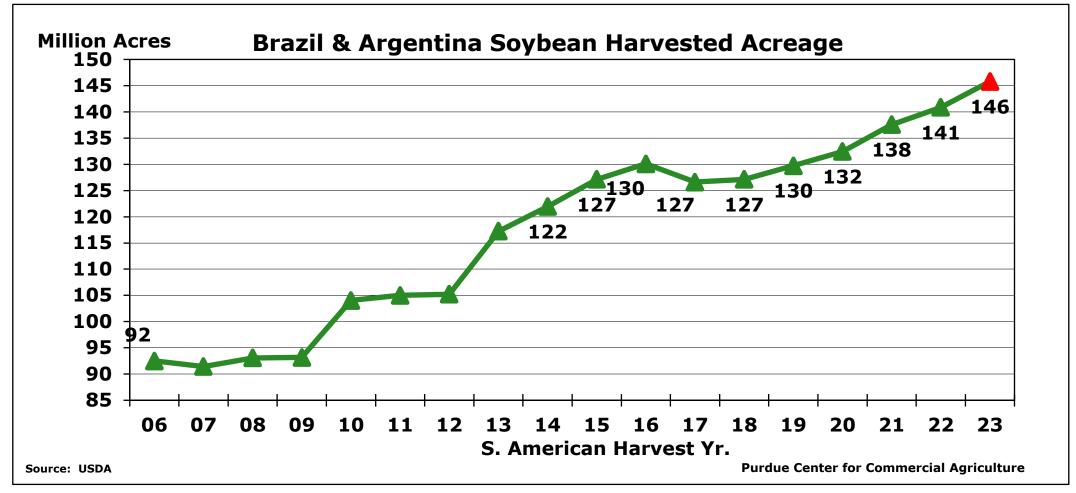
### 21/22 Major Exporter Stocks Could Still Tighten More Than Projected

### Rise in 22/23 Stocks Dependent on Big U.S. Crop and Rebound in South American Production



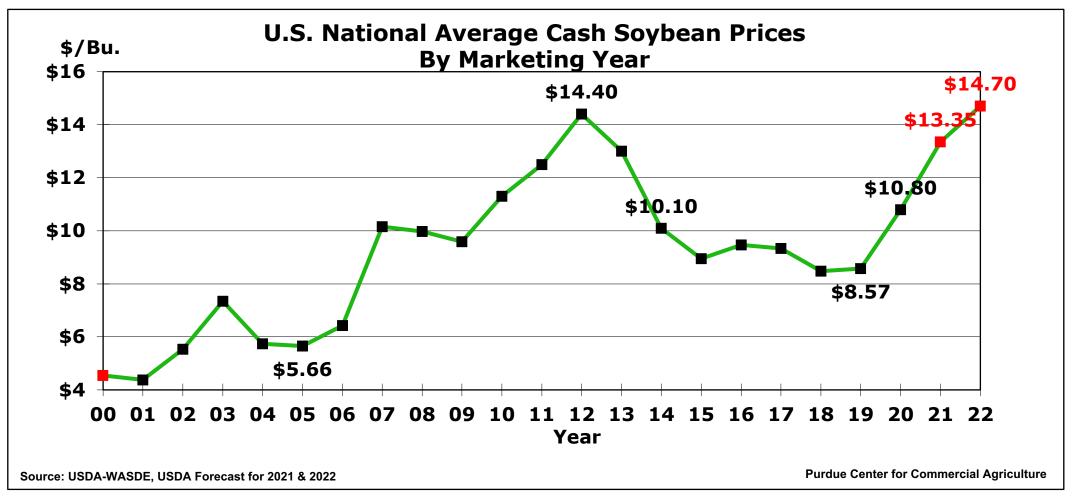


### Looking Ahead, Brazil & Argentina's Harvested Acreage Expected to Rise by 5 Million Acres in '23'





# USDA Raised Both '21 & '22 Crop MYA Soybean Prices-Record High for '22 Crop

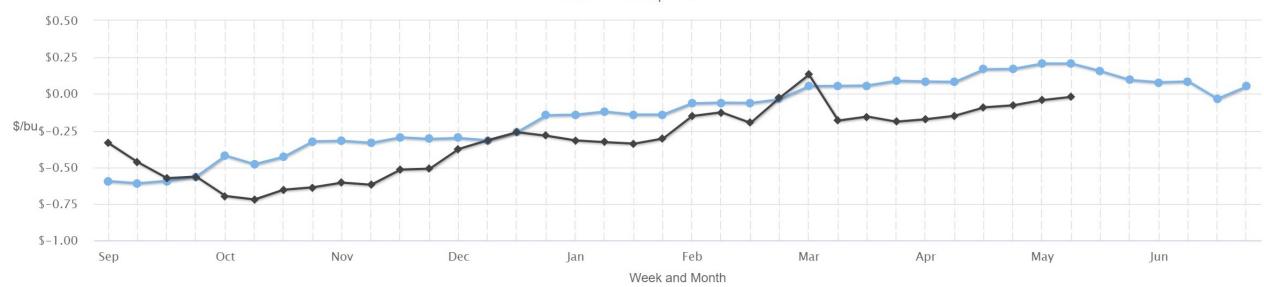




# Soybean basis -Central Indiana - 2 year average

#### Purdue Center for Commercial Agriculture Crop Basis Tool

Soybeans: IN CENTRAL Region, July Contract Basis, Weekly Avg. of Selected Historical Crop Years [2019-2020,2020-2021] vs. Current Crop Year



→ Historical July Contract Basis, Avg of Selected Crop Years → 2021–2022 Regional July Contract Basis

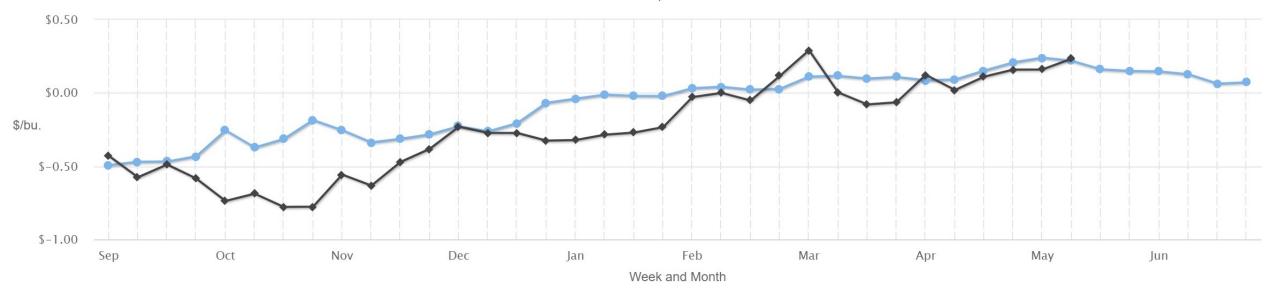
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# Soybean basis -Southwest Indiana - 2 year average

#### Purdue Center for Commercial Agriculture Crop Basis Tool

Soybeans: IN SW Region, July Contract Basis, Weekly Avg. of Selected Historical Crop Years [2019-2020,2020-2021] vs. Current Crop Year

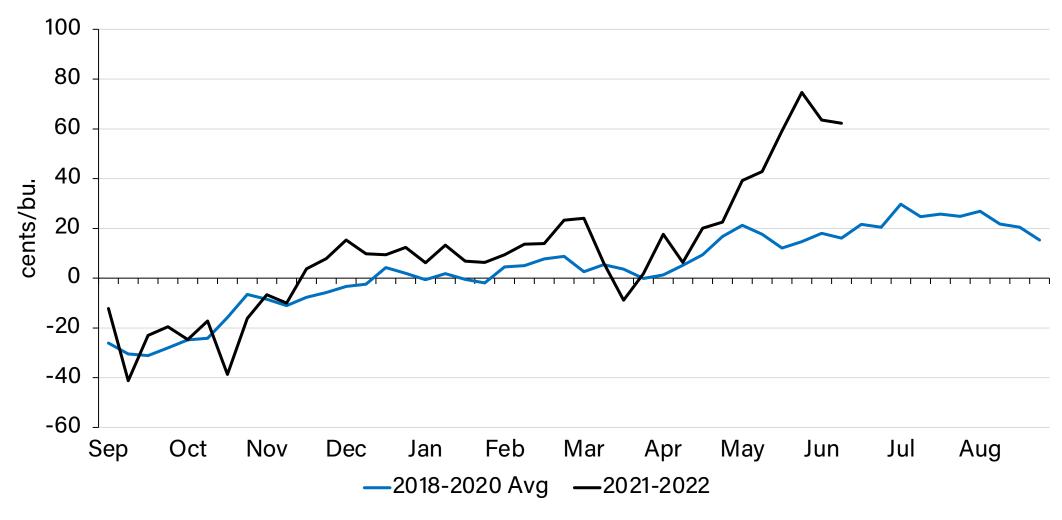


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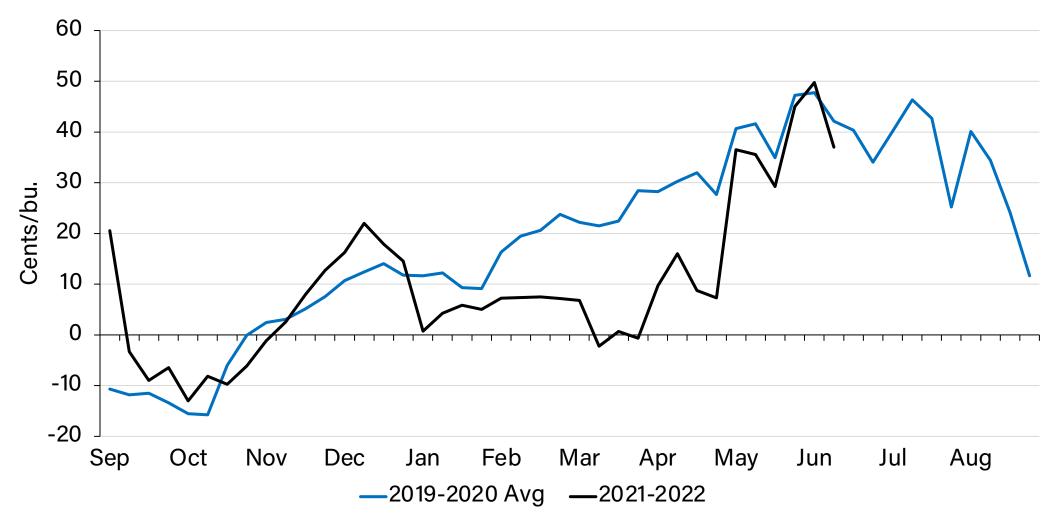


# Soybean River Basis-Southern Indiana and Southern Illinois River Terminals



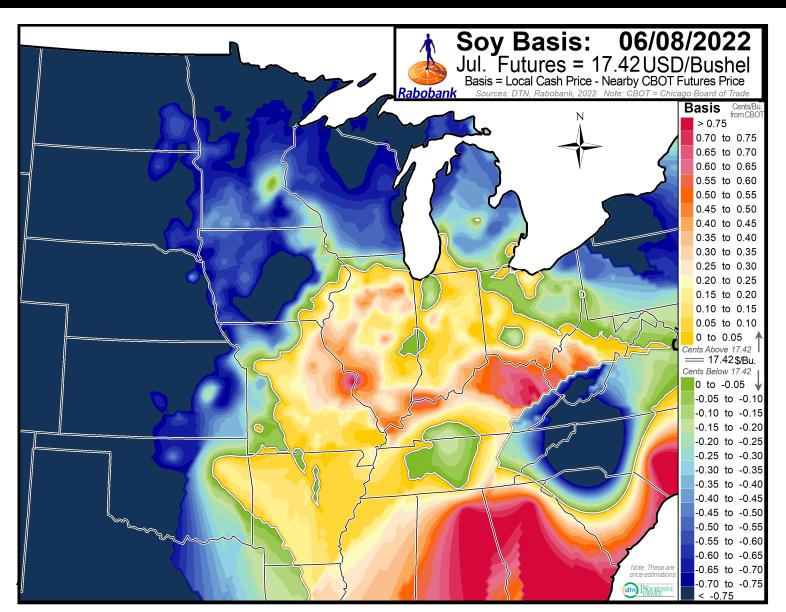


# Indiana soybean processor basis



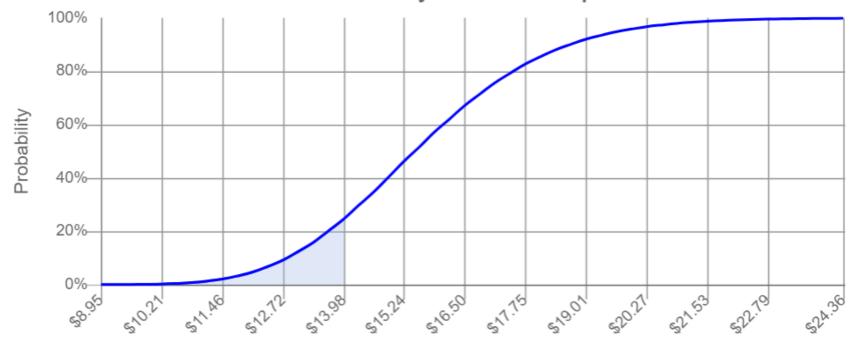


# Soybean Basis Strongest Near River Markets



# farmdoc Price Discovery Tool: Nov. '22 Soybean Futures





Source: <a href="https://fd-tools.ncsa.illinois.edu/pricedistribution">https://fd-tools.ncsa.illinois.edu/pricedistribution</a>

~25% chance that Nov. '22 soybean futures are below \$14 at expiration.

Price at Expiration	Probability Below
\$14.50	33.12%
\$14.75	37.43%
\$15.00	41.83%
\$15.25	46.26%
\$15.50	50.67%
\$15.75	55.00%
\$16.00	59.20%
\$16.25	63.23%
\$16.50	67.07%

# Strong Wheat Prices Are Increasing Interest in Sowing Wheat in Fall '22

Do you plan to increase the percentage of your farm's cropland devoted to a wheat/double-crop soybean crop rotation by planting more wheat in fall 2022?

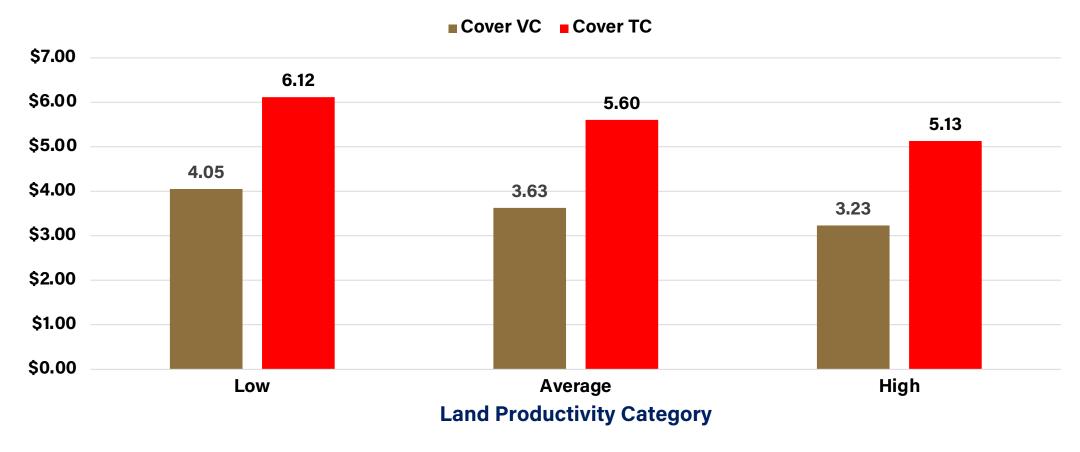


Source: Purdue Center for Commercial Agriculture, Producer Survey, May 2022



# Rising Input Costs Are Driving Breakeven Price Projections Up

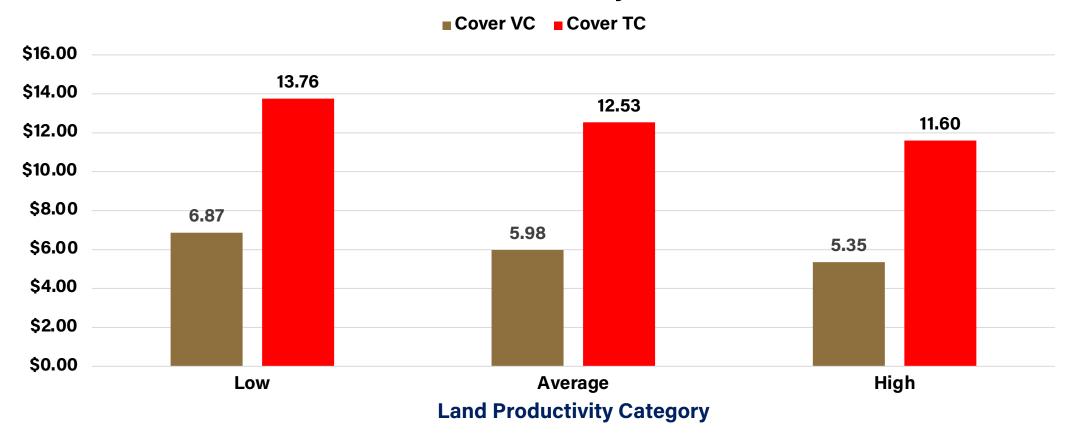
#### 2022 Breakeven Prices for Rotation Corn in Indiana





# Rising Input Costs Are Driving Breakeven Price Projections Up

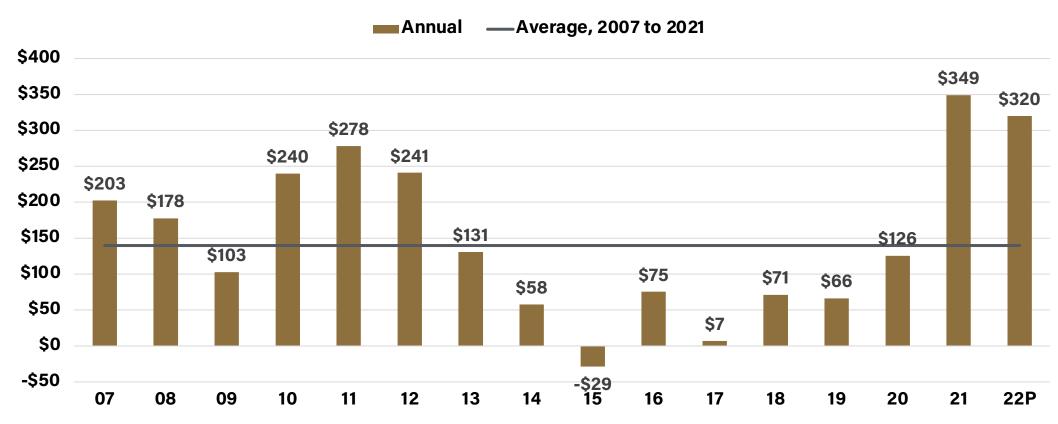
#### 2022 Breakeven Prices for Soybeans in Indiana





# Strong Profit Prospects for Corn in 2022

# Net Farm Income, Corn/Soybean Rotation (\$ per Acre) West Central Indiana Case Farm





Next Webinar, Wednesday, July 13, 2022

# Details Available at purdue.edu/commercialag

