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# Small Grains Summary Grain Stocks

Agricultural Statistics Board Briefing

Lance Honig, Chief  
Crops Branch



# Special Note



The marketing year for corn and soybeans is finished and a thorough review of the balance sheet was completed. This process, which is normal for this time of the year, led to revisions in acreage, yield, and production for the 2020 crop.

U.S. corn production for 2020 is revised down 71.0 million bushels and U.S. soybean production is revised up 80.8 million bushels from the previous estimate.



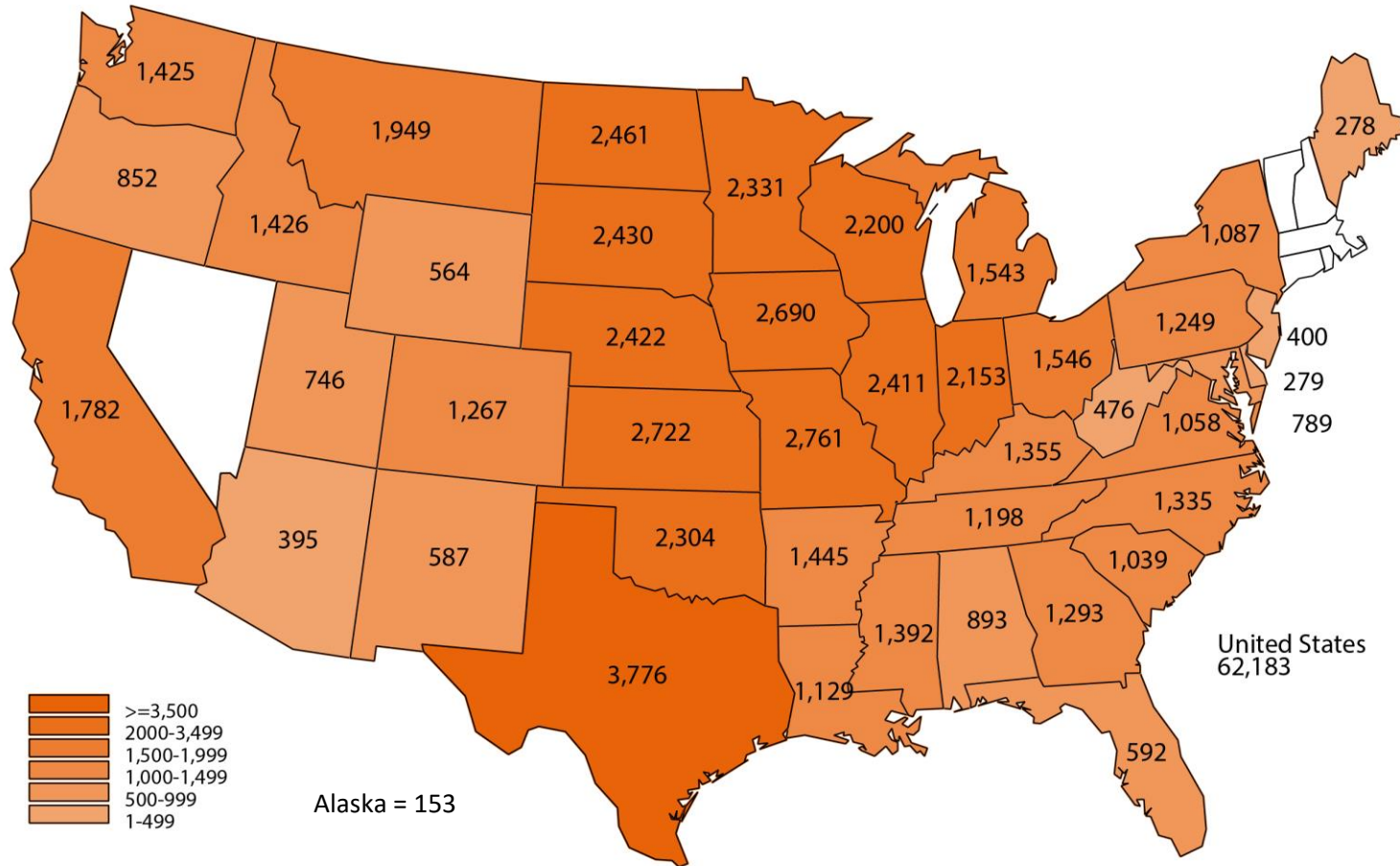
# Data Sources



|                                  |   |                      |                          |
|----------------------------------|---|----------------------|--------------------------|
| <b>Operator Reported Surveys</b> | September Ag Survey   | Sample Size = 62,183 | August 30 - September 16 |
|                                  | Off-Farm Grain Stocks   | ~8,300 Facilities    | August 26 - September 17 |
| <b>Field Survey</b>              | Objective Yield<br>Winter Wheat   | Sample Size = 1,155  | Prior to Harvest         |
| <b>FSA Certified Acres</b>       | Farm Service Agency policy requires that producers participating in several programs submit an annual report regarding all cropland use on their farms. |                      |                          |
| <b>FSA and RMA Failed Acres</b>  | Acres reported as "failed" to either the Farm Service Agency (FSA) or the Risk Management Agency (RMA) are considered minimum levels of abandonment.    |                      |                          |

# September 2021 Ag Survey

## Sample Sizes





# 2021 Winter Wheat Acreage, Yield, and Production

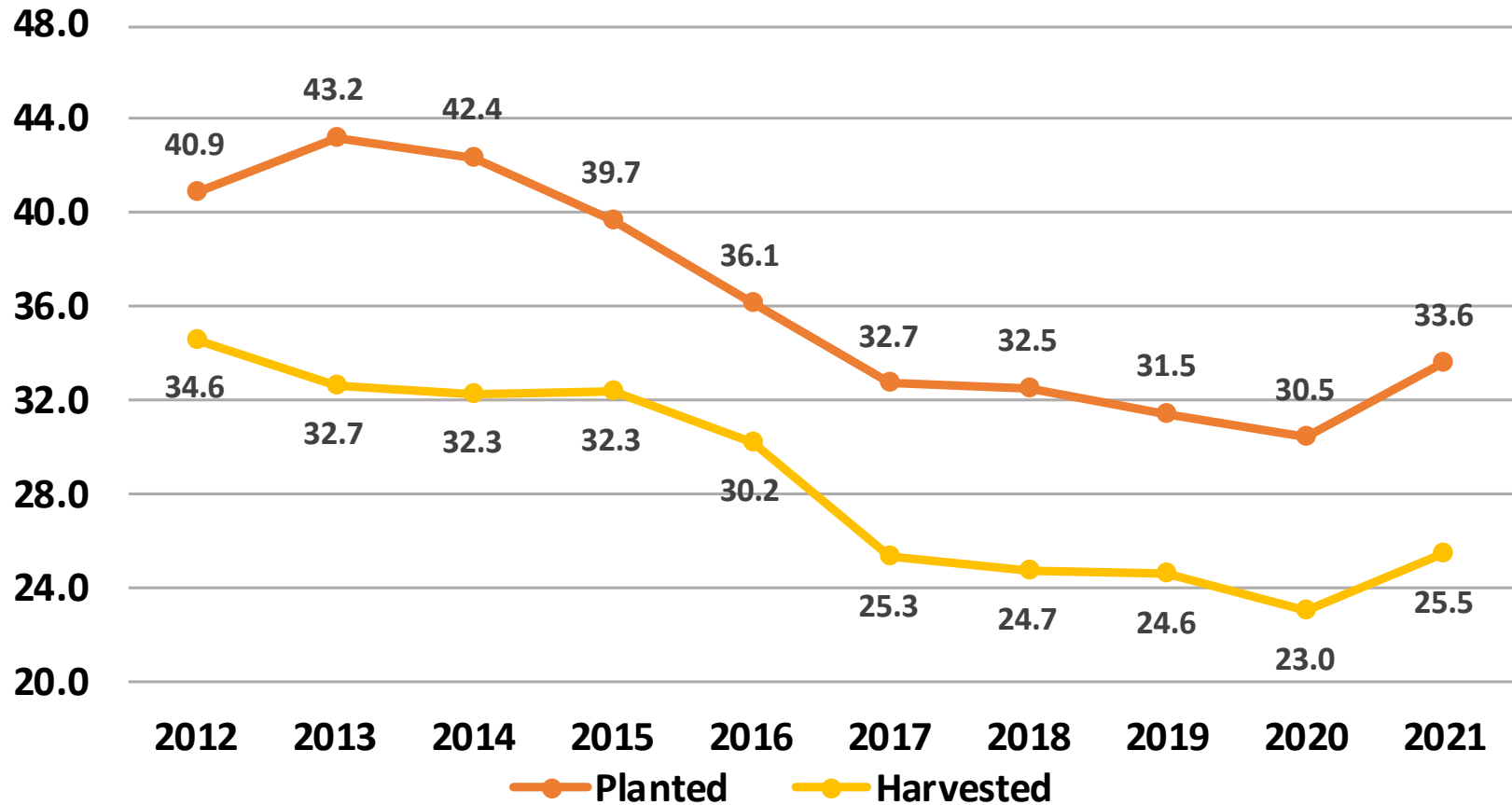
|                                    | Planted<br>(1,000 Acres) | Harvested<br>(1,000 Acres) | Yield<br>(Bushels/Acre) | Production<br>(1,000 Bushels) |
|------------------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|
| <b>United States</b>               | <b>33,648</b>            | <b>25,464</b>              | <b>50.2</b>             | <b>1,277,365</b>              |
| % Change from<br>Previous Estimate | ↓ 0.1                    | ↑ 0.1                      | ↓ 3.1                   | ↓ 3.1                         |
| % Change from<br>Previous Season   | ↑ 10.5                   | ↑ 10.6                     | ↓ 1.4                   | ↑ 9.0                         |

|            | Top 5 States - By Production |        |                            |        |                         |        |                               |        |
|------------|------------------------------|--------|----------------------------|--------|-------------------------|--------|-------------------------------|--------|
|            | Planted<br>(1,000 Acres)     |        | Harvested<br>(1,000 Acres) |        | Yield<br>(Bushels/Acre) |        | Production<br>(1,000 Bushels) |        |
|            |                              | % Δ PY |                            | % Δ PY |                         | % Δ PY |                               | % Δ PY |
| Kansas     | 7,300                        | ↑ 10.6 | 7,000                      | ↑ 12.0 | 52.0                    | ↑ 15.6 | 364,000                       | ↑ 29.4 |
| Oklahoma   | 4,400                        | ↑ 3.5  | 2,950                      | ↑ 13.5 | 39.0                    | ↓ 2.5  | 115,050                       | ↑ 10.6 |
| Texas      | 5,500                        | ↑ 12.2 | 2,000                      | ↓ 2.4  | 37.0                    | ↑ 23.3 | 74,000                        | ↑ 20.3 |
| Washington | 1,750                        | ↓ 2.8  | 1,690                      | ↓ 3.4  | 42.0                    | ↓ 44.7 | 70,980                        | ↓ 46.6 |
| Colorado   | 2,200                        | ↑ 15.8 | 1,880                      | ↑ 23.7 | 37.0                    | ↑ 37.0 | 69,560                        | ↑ 69.5 |

# Winter Wheat Acres

## United States

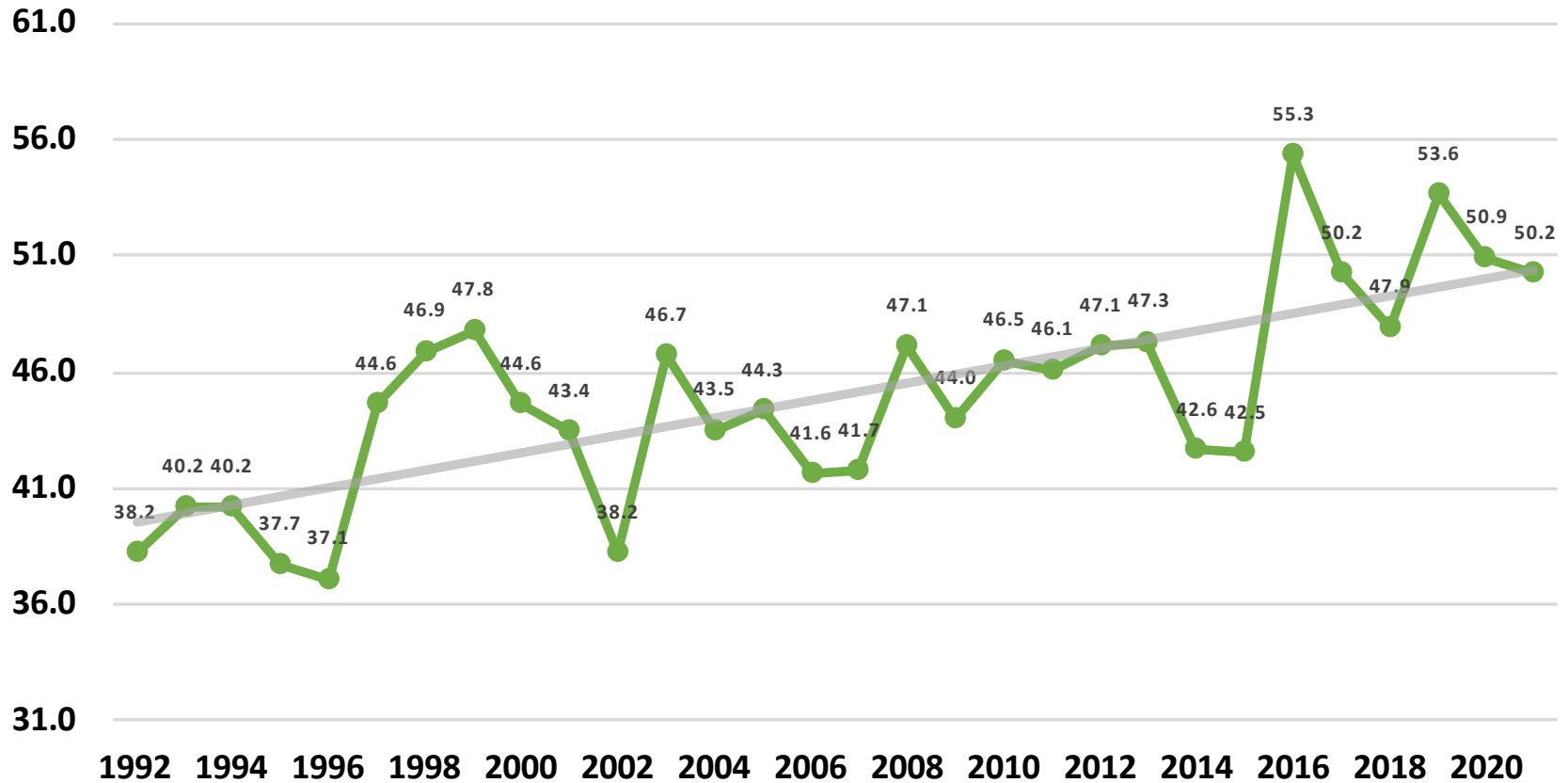
Million Acres





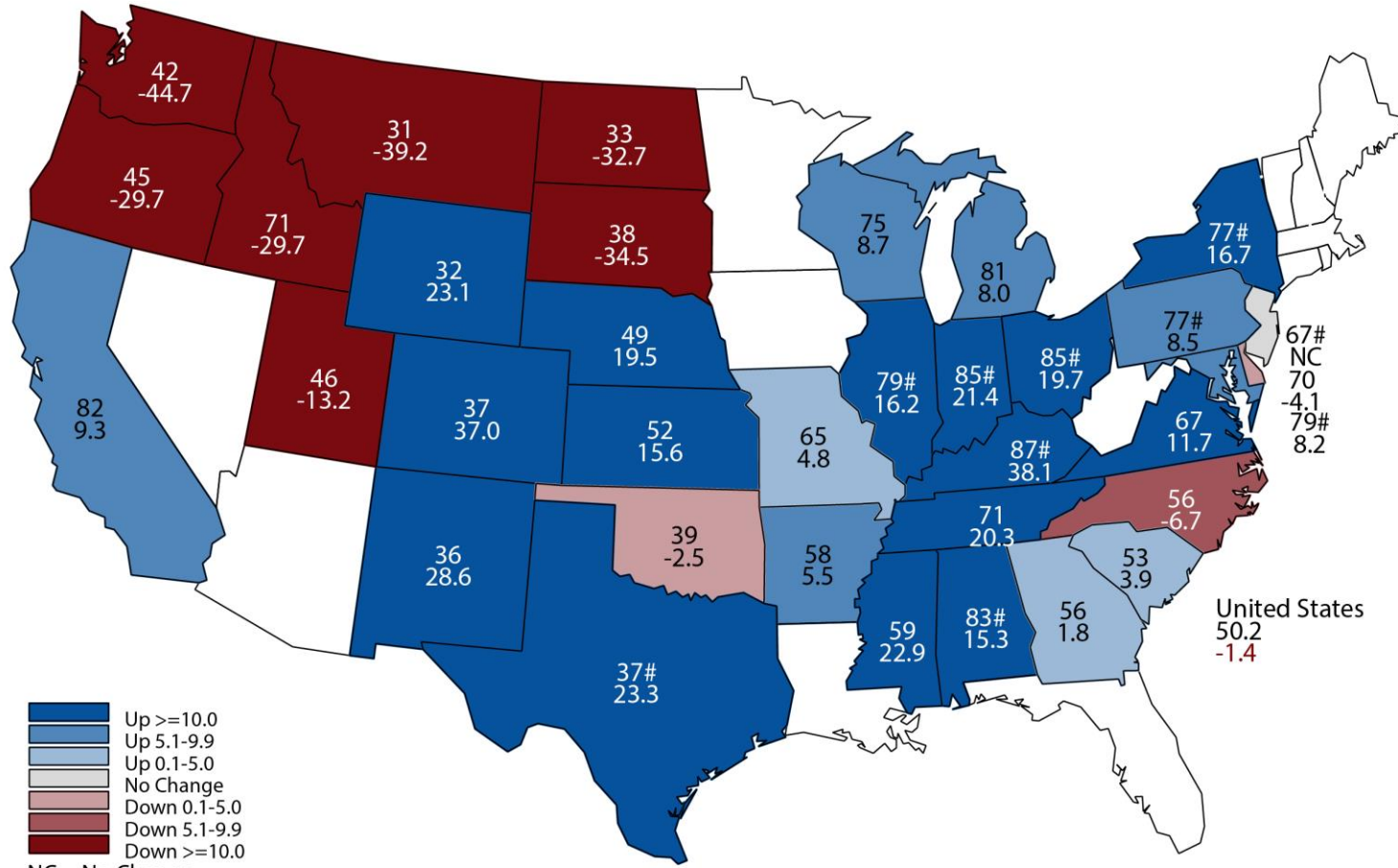
# Winter Wheat Yield United States

Bushels per Acre



# 2021 Winter Wheat Yield

## Bushels and Percent Change from Previous Year



■ Up >=10.0  
■ Up 5.1-9.9  
■ Up 0.1-5.0  
■ No Change  
■ Down 0.1-5.0  
■ Down 5.1-9.9  
■ Down >=10.0

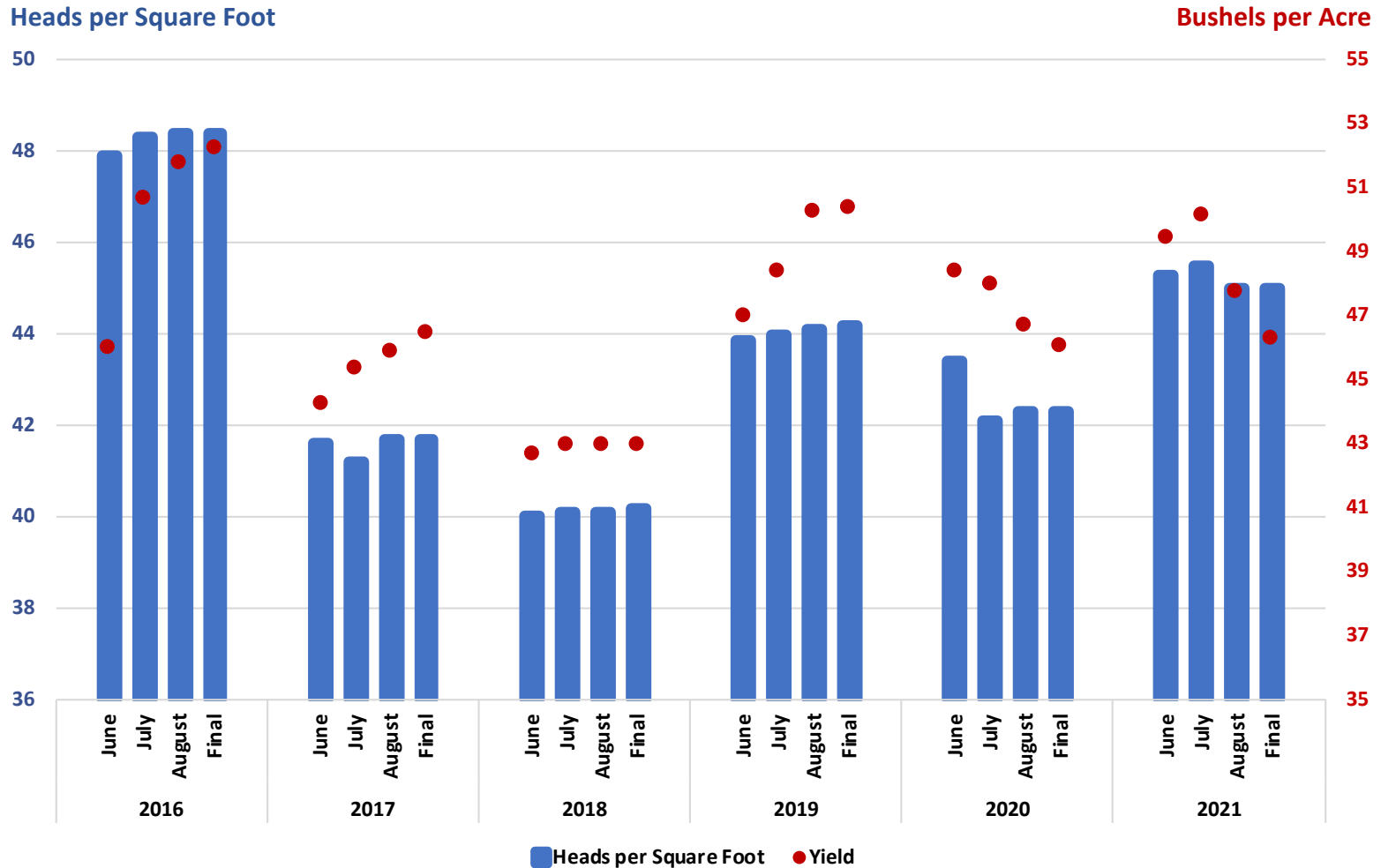
NC = No Change  
 # = Record High  
 & = Record Low





# 2021 Winter Wheat Objective Yield

## Heads per Square Foot and Yield for 10 State Region

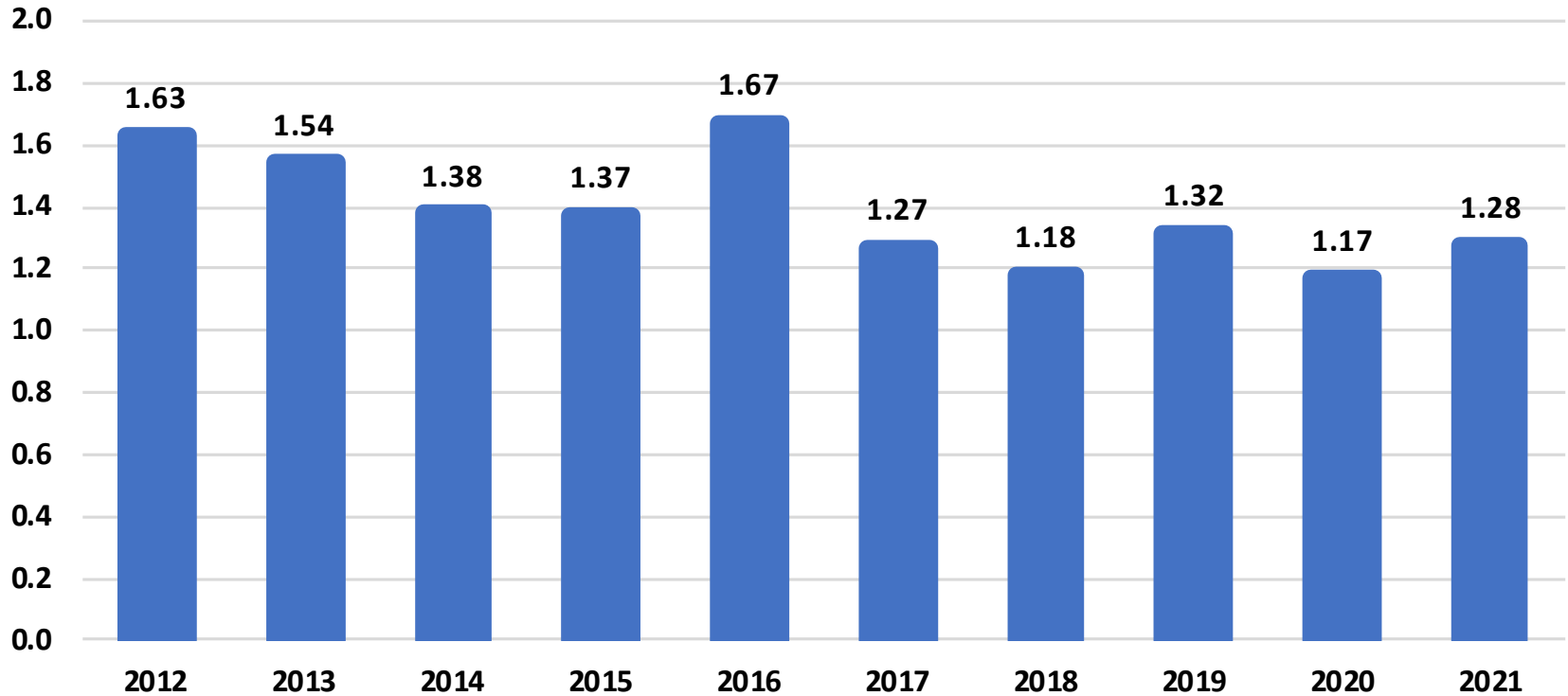




# Winter Wheat Production United States



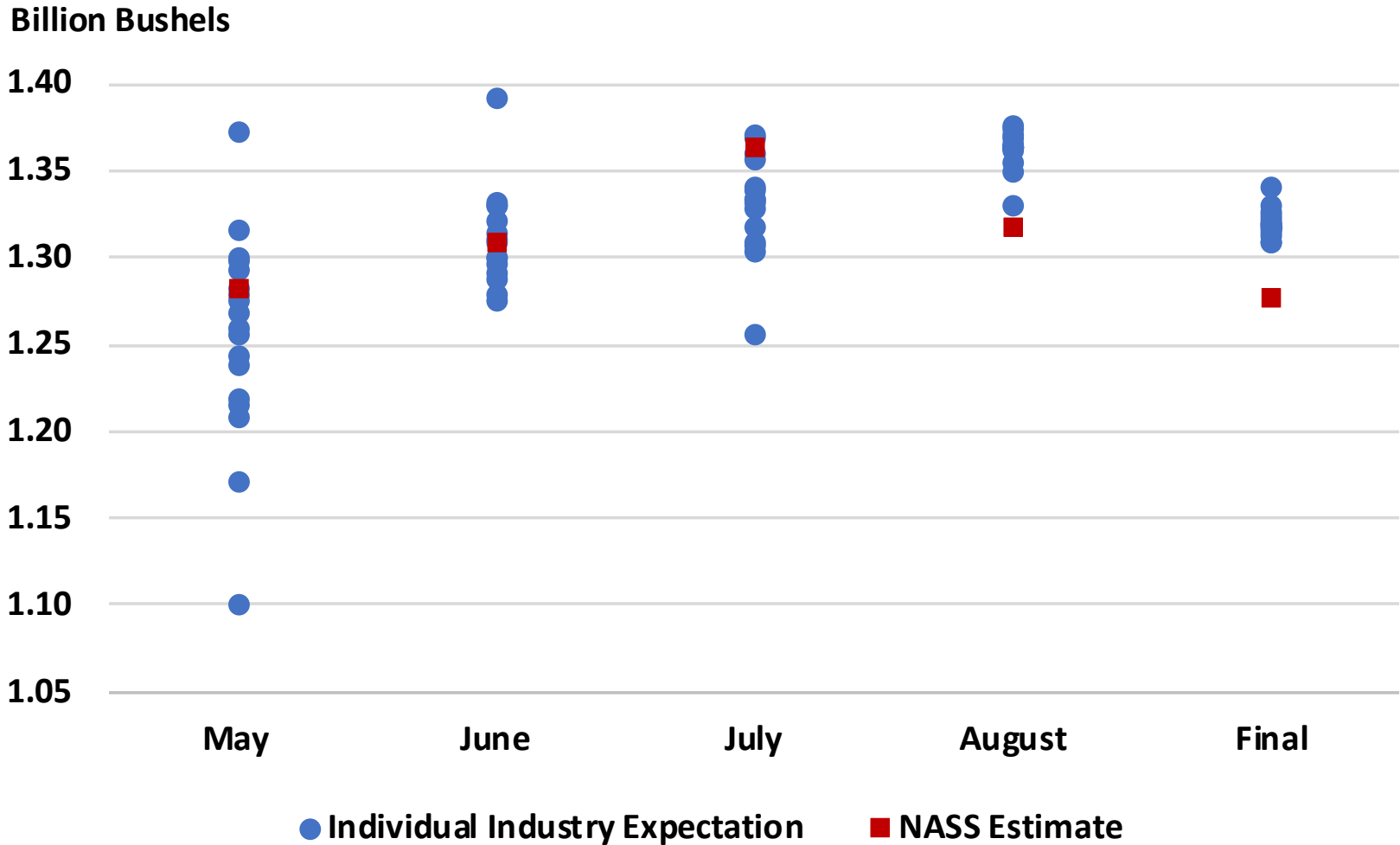
Billion Bushels





# 2021 U.S. Winter Wheat Production

## Industry Expectations vs NASS





# 2021 Other Spring Wheat Acreage, Yield, and Production

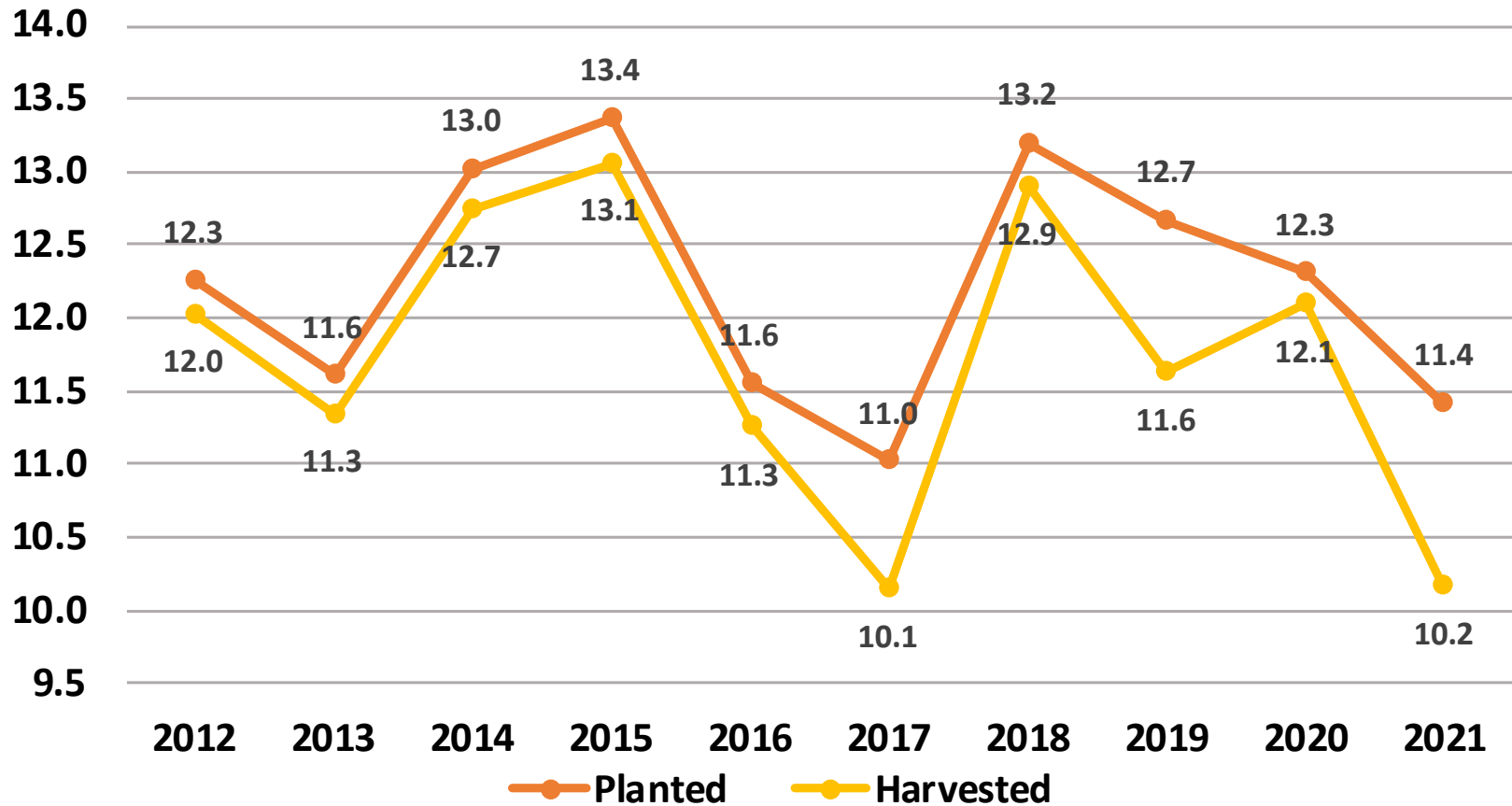
|                                    | Planted<br>(1,000 Acres) | Harvested<br>(1,000 Acres) | Yield<br>(Bushels/Acre) | Production<br>(1,000 Bushels) |
|------------------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|
| <b>United States</b>               | <b>11,420</b>            | <b>10,165</b>              | <b>32.6</b>             | <b>331,140</b>                |
| % Change from<br>Previous Estimate | ↓ 1.4                    | ↓ 9.4                      | ↑ 6.5                   | ↓ 3.6                         |
| % Change from<br>Previous Season   | ↓ 7.2                    | ↓ 16.0                     | ↓ 32.9                  | ↓ 43.6                        |

|              | Top 5 States - By Production |        |                            |        |                         |        |                               |        |
|--------------|------------------------------|--------|----------------------------|--------|-------------------------|--------|-------------------------------|--------|
|              | Planted<br>(1,000 Acres)     |        | Harvested<br>(1,000 Acres) |        | Yield<br>(Bushels/Acre) |        | Production<br>(1,000 Bushels) |        |
|              |                              | % Δ PY |                            | % Δ PY |                         | % Δ PY |                               | % Δ PY |
| North Dakota | 5,500                        | ↓ 3.5  | 5,210                      | ↓ 7.5  | 33.5                    | ↓ 31.6 | 174,535                       | ↓ 36.7 |
| Minnesota    | 1,210                        | ↓ 15.4 | 1,160                      | ↓ 14.7 | 48.0                    | ↓ 9.4  | 55,680                        | ↓ 22.8 |
| Montana      | 2,900                        | ↓ 13.4 | 2,180                      | ↓ 34.1 | 17.0                    | ↓ 55.3 | 37,060                        | ↓ 70.5 |
| Idaho        | 510                          | NC     | 485                        | ↓ 2.0  | 63.0                    | ↓ 30.8 | 30,555                        | ↓ 32.2 |
| South Dakota | 720                          | ↓ 6.5  | 590                        | ↓ 21.9 | 29.0                    | ↓ 38.3 | 17,110                        | ↓ 51.8 |

# Other Spring Wheat Acres

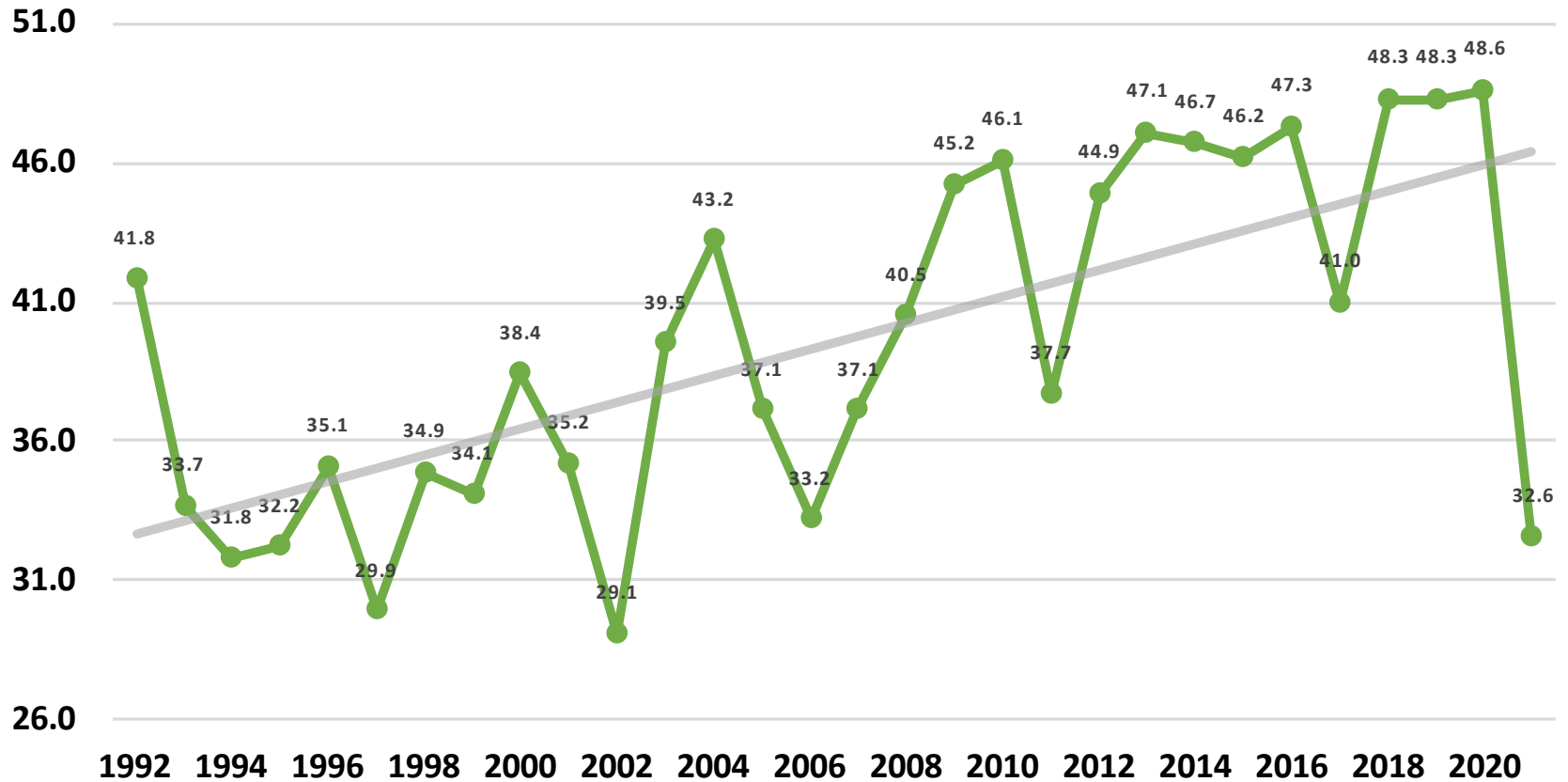
## United States

Million Acres



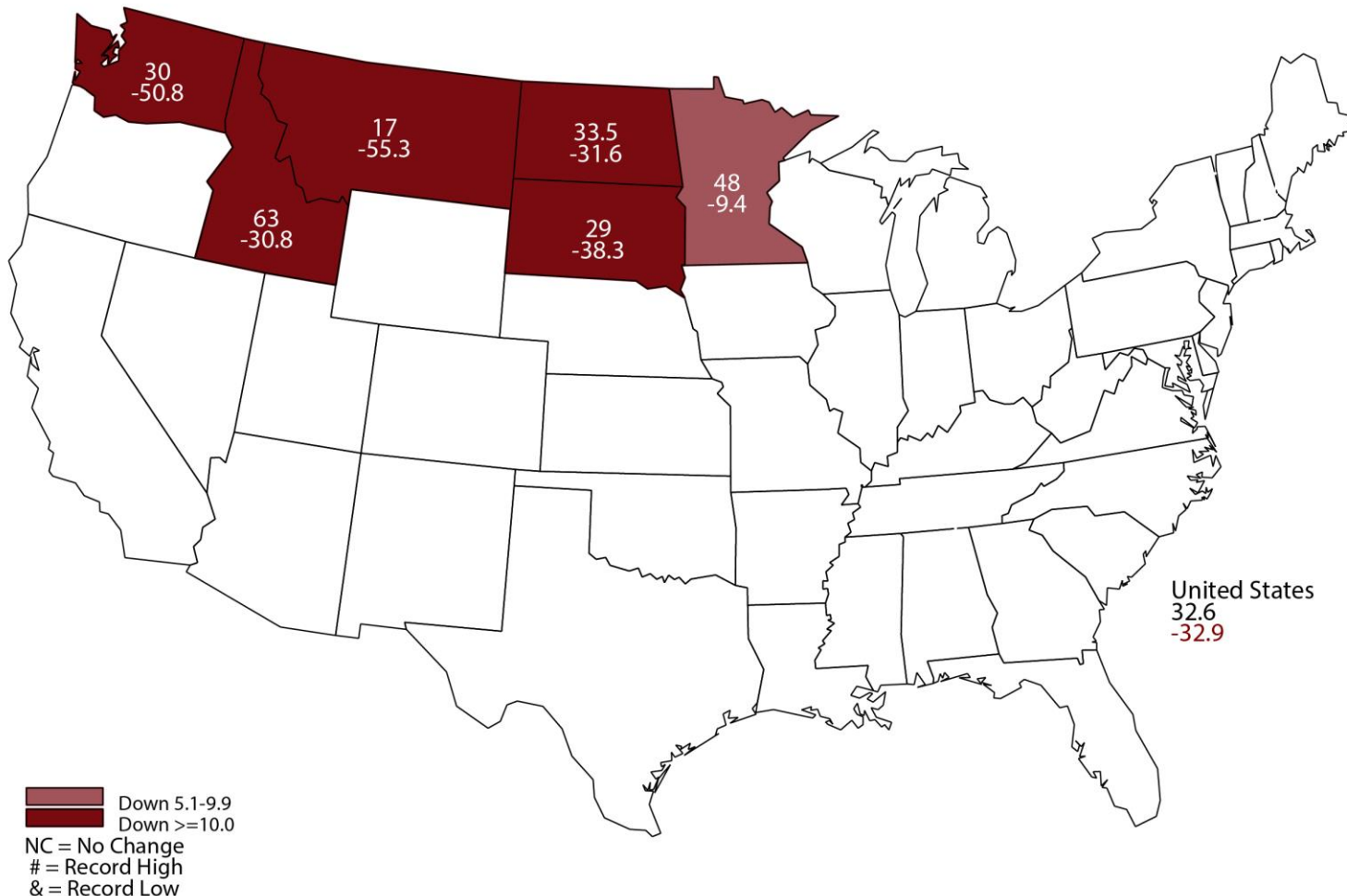
# Other Spring Wheat Yield United States

Bushels per Acre



# 2021 Other Spring Wheat Yield

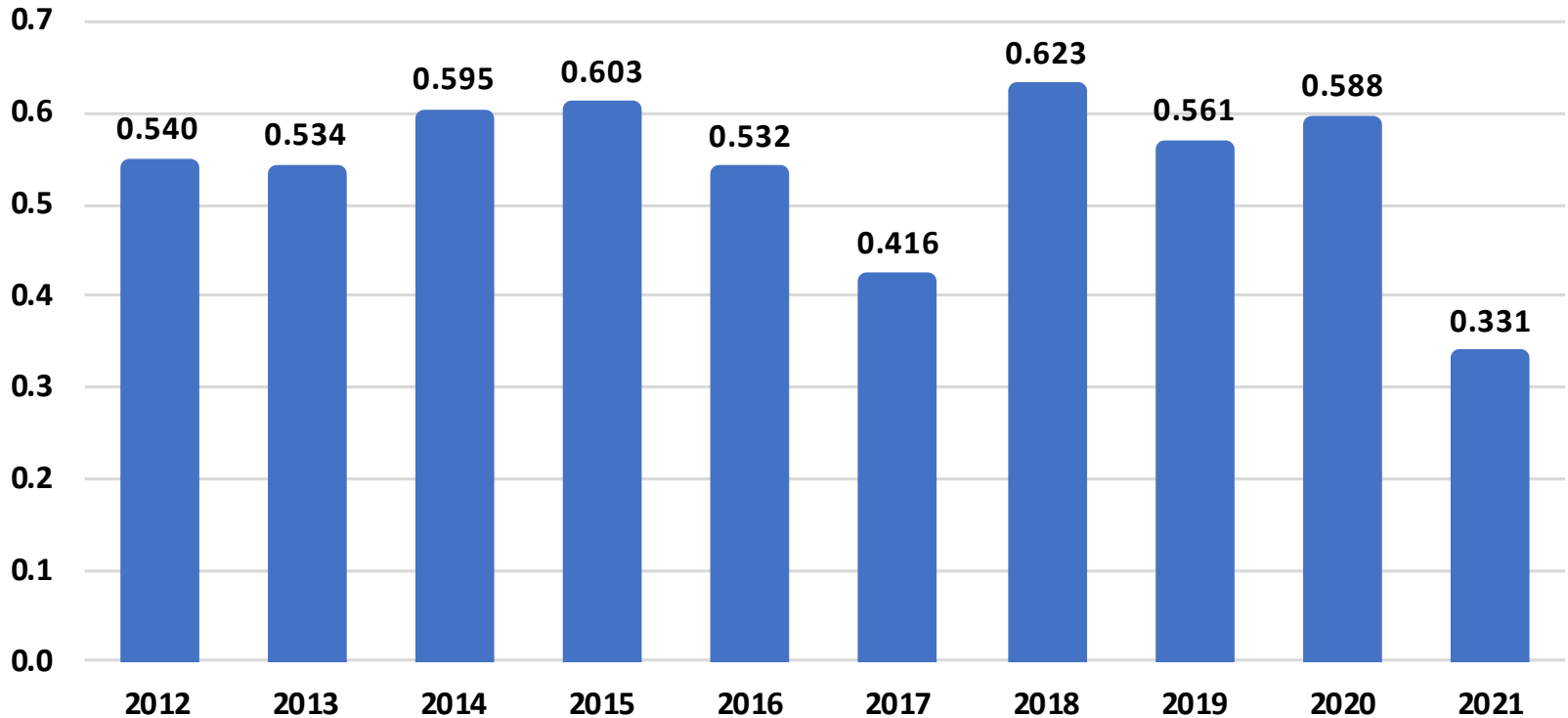
## Bushels and Percent Change from Previous Year



# Other Spring Wheat Production

## United States

Billion Bushels

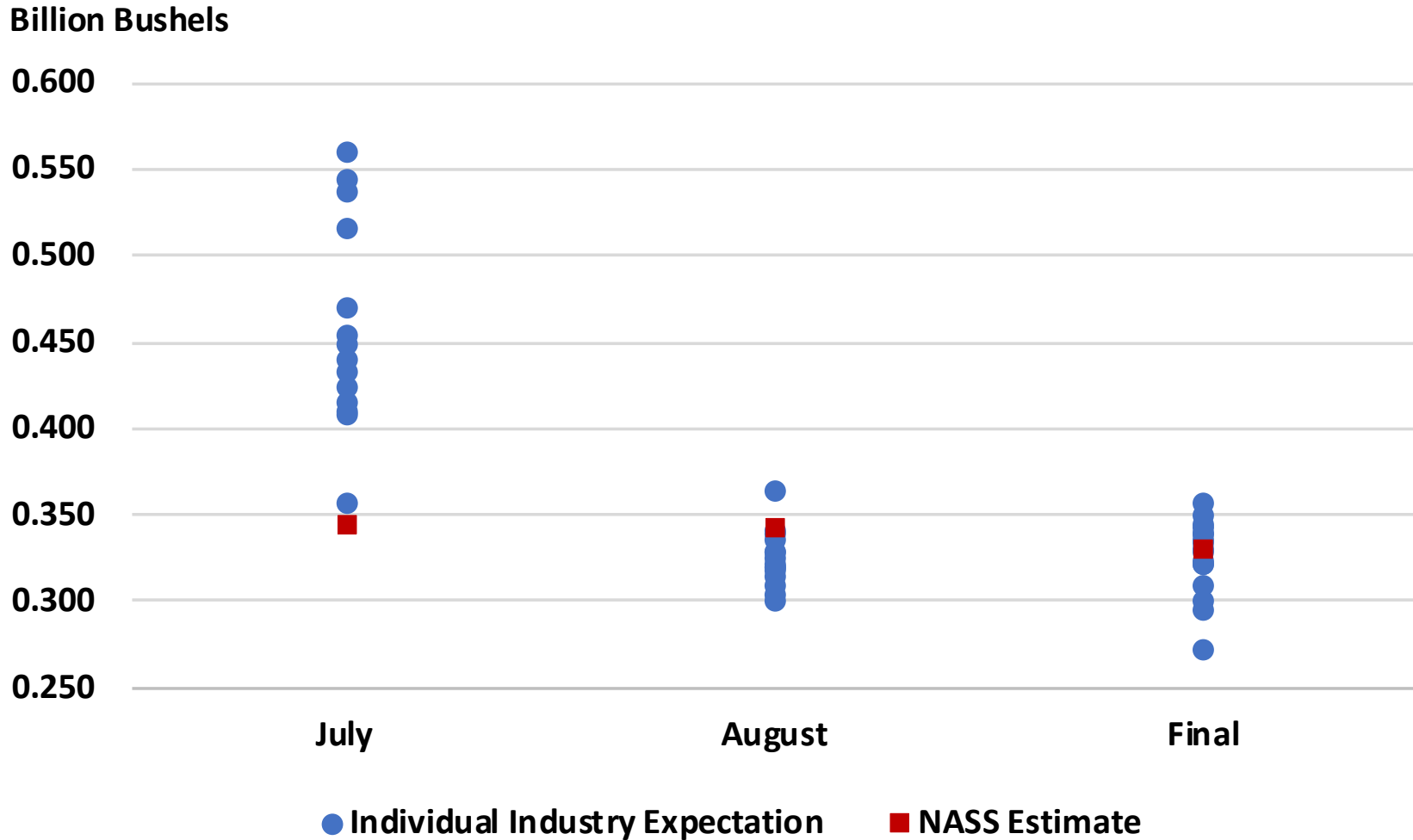






# 2021 U.S. Other Spring Wheat Production

## Industry Expectations vs NASS





# 2021 Durum Wheat

## Acreage, Yield, and Production

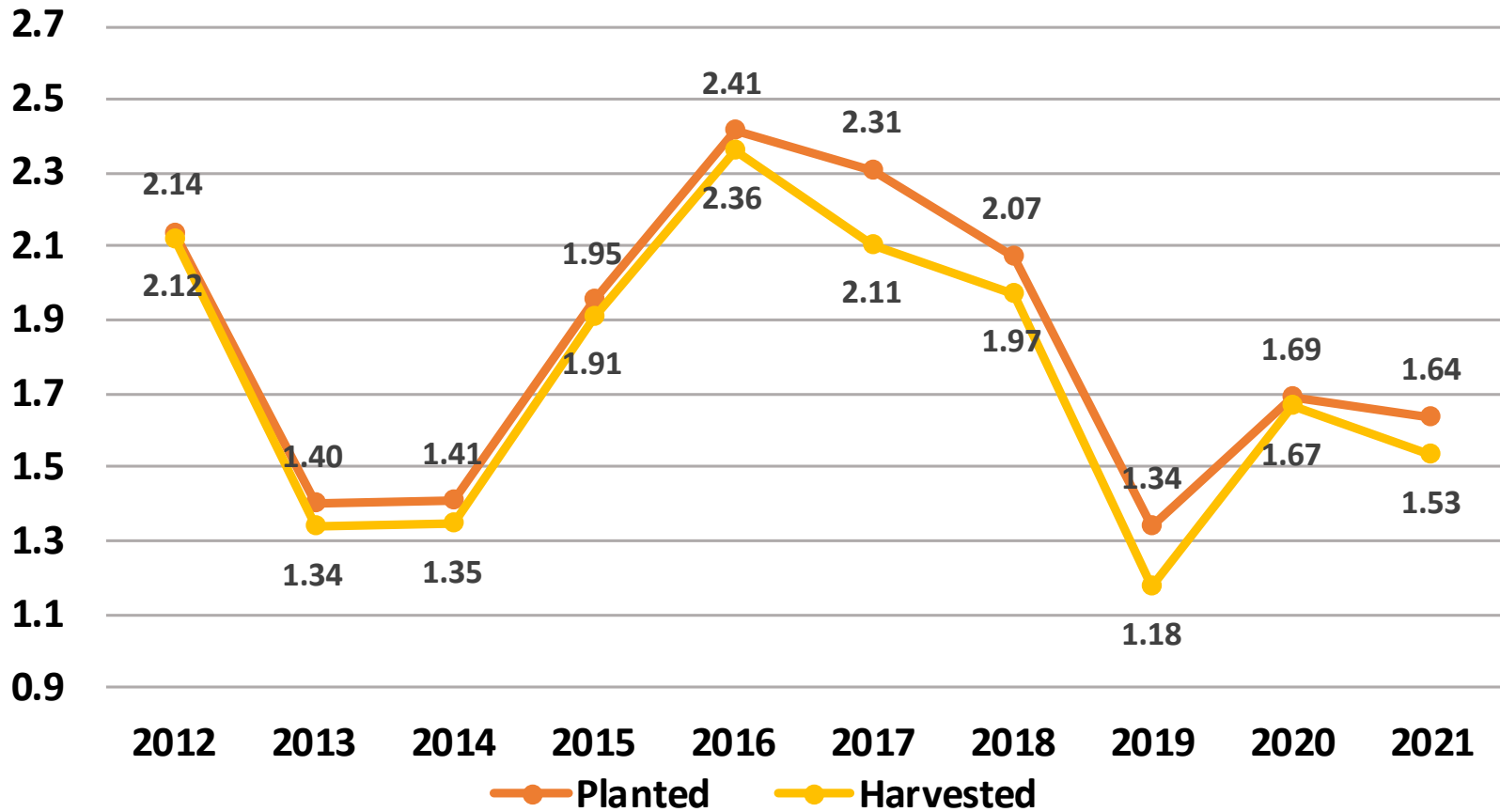
|                                 | <b>Planted</b><br>(1,000 Acres) | <b>Harvested</b><br>(1,000 Acres) | <b>Yield</b><br>(Bushels/Acre) | <b>Production</b><br>(1,000 Bushels) |
|---------------------------------|---------------------------------|-----------------------------------|--------------------------------|--------------------------------------|
| <b>United States</b>            | <b>1,635</b>                    | <b>1,534</b>                      | <b>24.3</b>                    | <b>37,259</b>                        |
| % Change from Previous Estimate | ↑ 10.5                          | ↑ 6.2                             | ↑ 1.3                          | ↑ 7.5                                |
| % Change from Previous Season   | ↓ 3.3                           | ↓ 7.9                             | ↓ 41.4                         | ↓ 46.1                               |

|              | <b>Top 5 States - By Production</b> |        |                                   |        |                                |        |                                      |        |
|--------------|-------------------------------------|--------|-----------------------------------|--------|--------------------------------|--------|--------------------------------------|--------|
|              | <b>Planted</b><br>(1,000 Acres)     |        | <b>Harvested</b><br>(1,000 Acres) |        | <b>Yield</b><br>(Bushels/Acre) |        | <b>Production</b><br>(1,000 Bushels) |        |
|              |                                     | % Δ PY |                                   | % Δ PY |                                | % Δ PY |                                      | % Δ PY |
| North Dakota | 880                                 | ↓ 3.3  | 820                               | ↓ 8.9  | 24.0                           | ↓ 38.5 | 19,680                               | ↓ 43.9 |
| Montana      | 670                                 | ↓ 3.6  | 635                               | ↓ 8.0  | 16.0                           | ↓ 59.0 | 10,160                               | ↓ 62.2 |
| Arizona      | 53                                  | ↑ 6.0  | 52                                | ↑ 6.1  | 90.0                           | ↓ 9.1  | 4,680                                | ↓ 3.5  |
| California   | 25                                  | NC     | 20                                | ↑ 17.6 | 110.0                          | ↑ 26.4 | 2,200                                | ↑ 48.7 |
| Idaho        | 7                                   | ↓ 30.0 | 7                                 | ↓ 22.2 | 77.0                           | ↓ 13.5 | 539                                  | ↓ 32.7 |

# Durum Wheat Acres

## United States

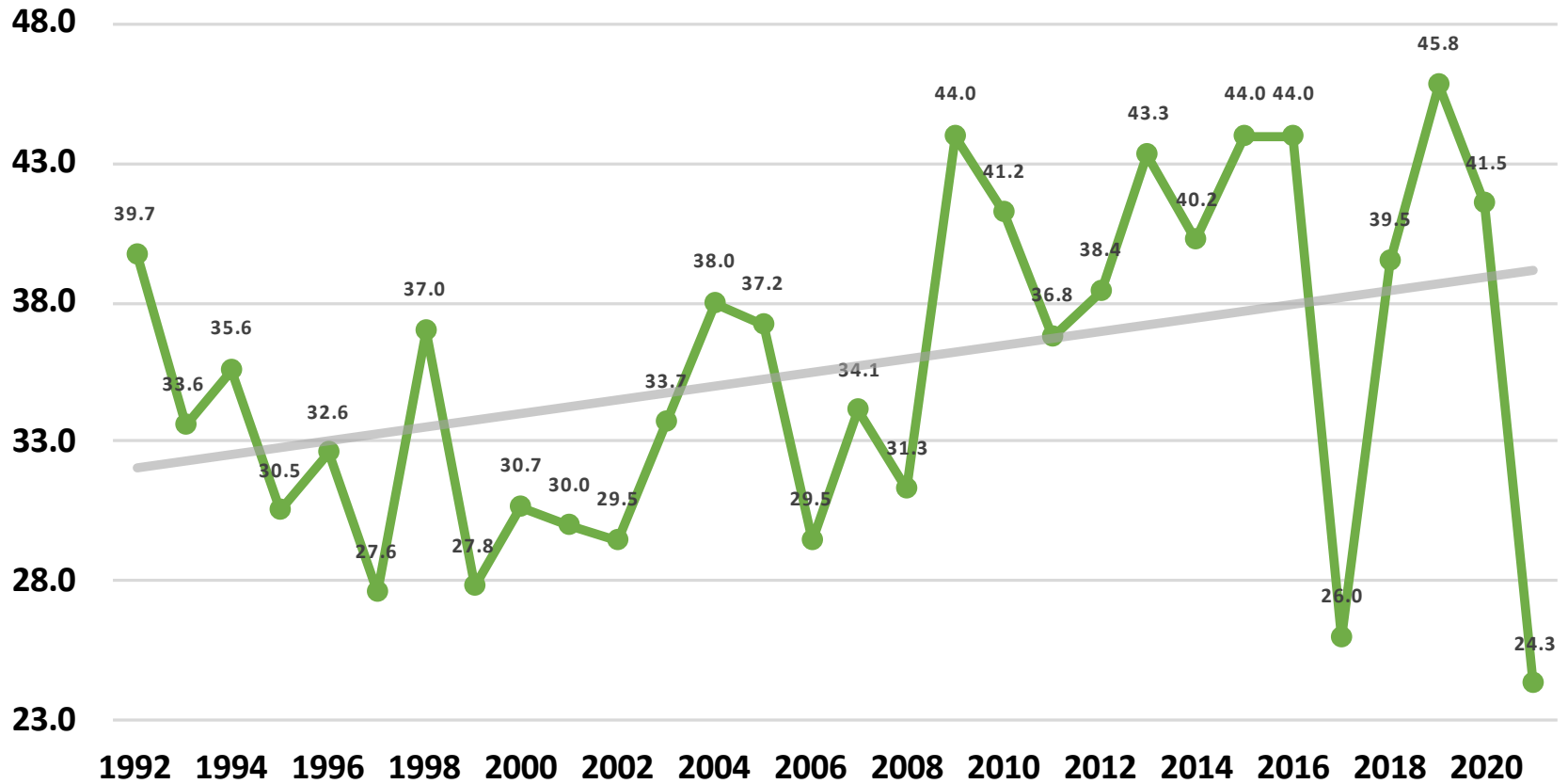
Million Acres



# Durum Wheat Yield

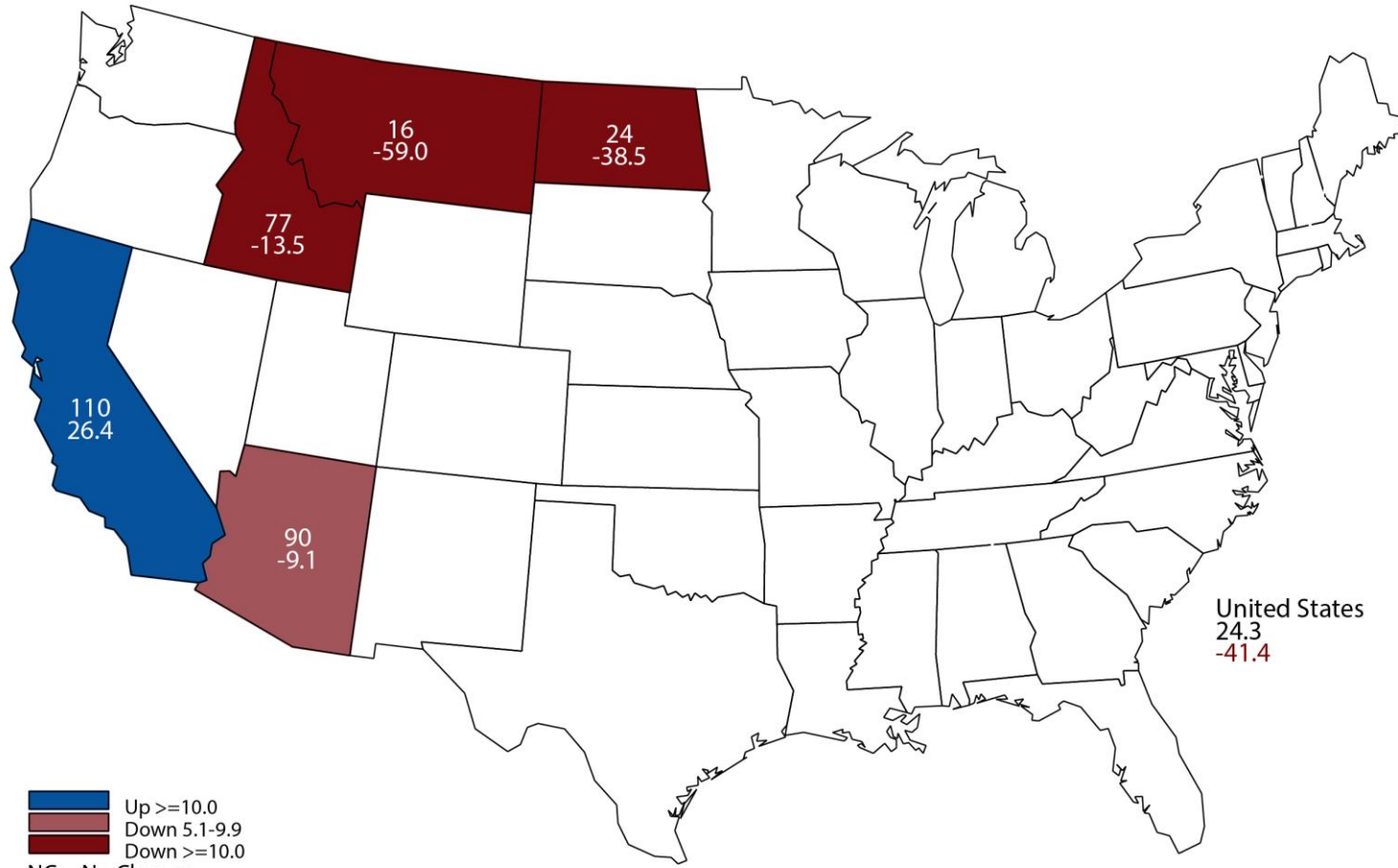
## United States

Bushels per Acre



# 2021 Durum Wheat Yield

## Pounds and Percent Change from Previous Year



■ Up  $\geq 10.0$   
■ Down 5.1-9.9  
■ Down  $\geq 10.0$   
 NC = No Change  
 # = Record High  
 & = Record Low

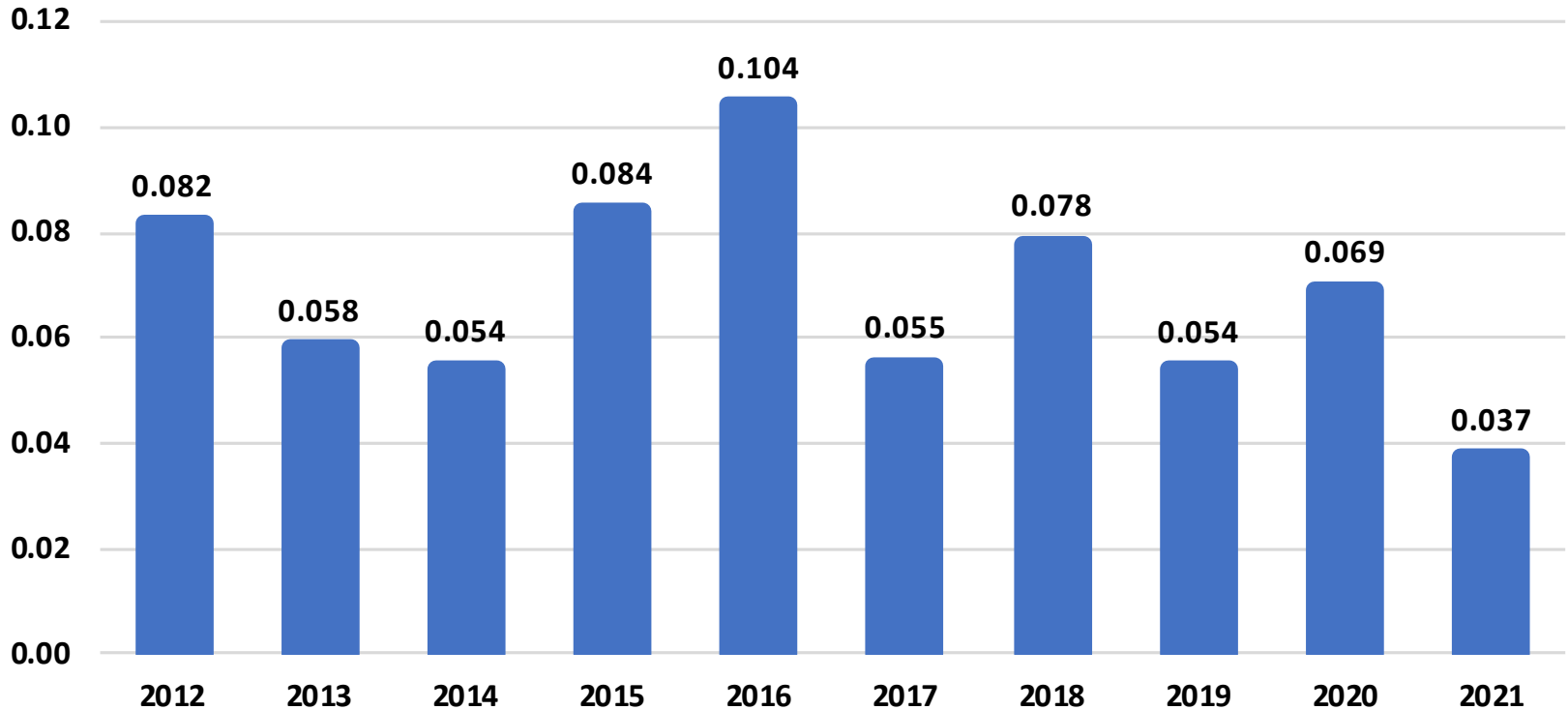


# Durum Wheat Production

## United States



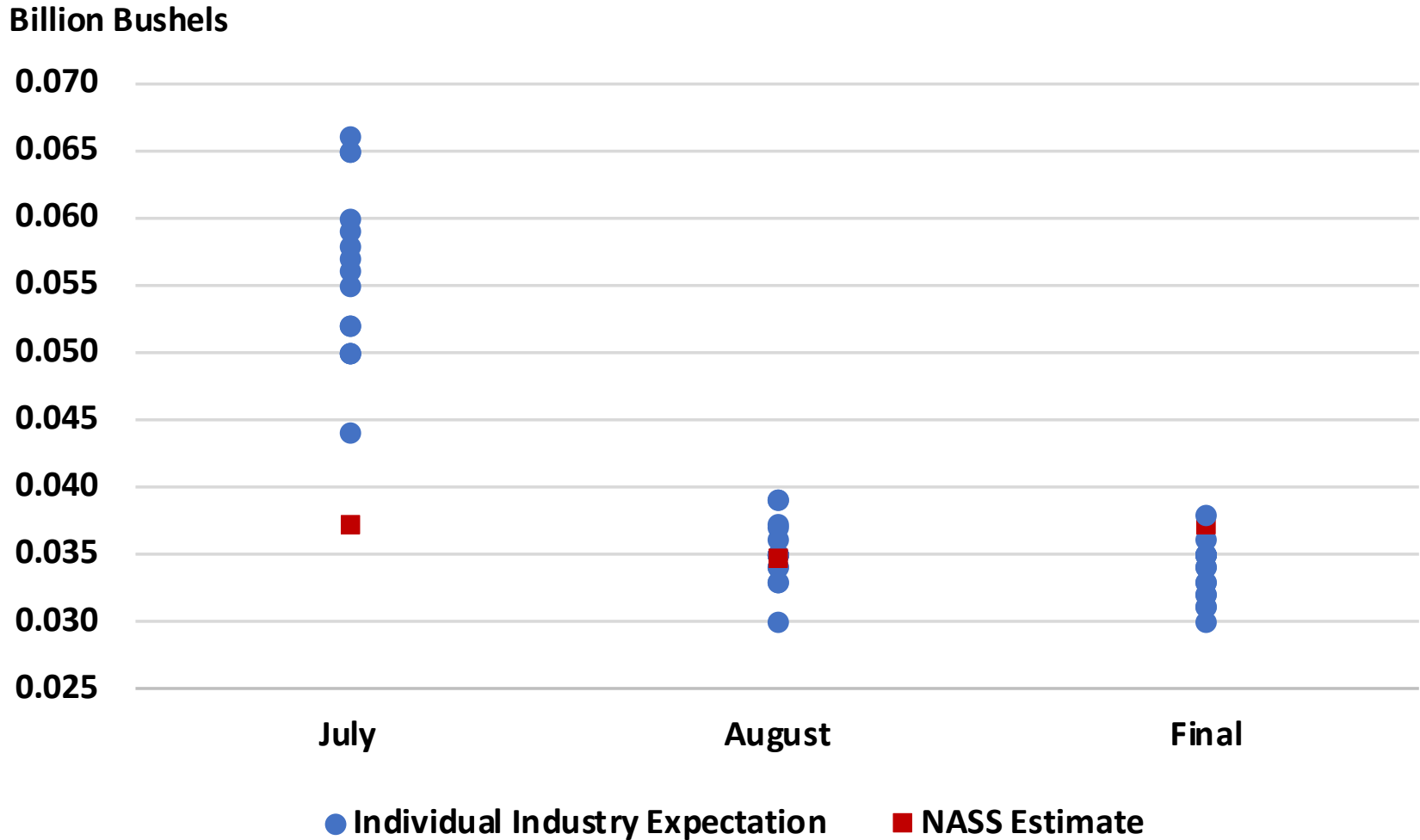
Billion Bushels





# 2021 U.S. Durum Wheat Production

## Industry Expectations vs NASS





# 2021 Small Grains

## Acres, Yield, and Production

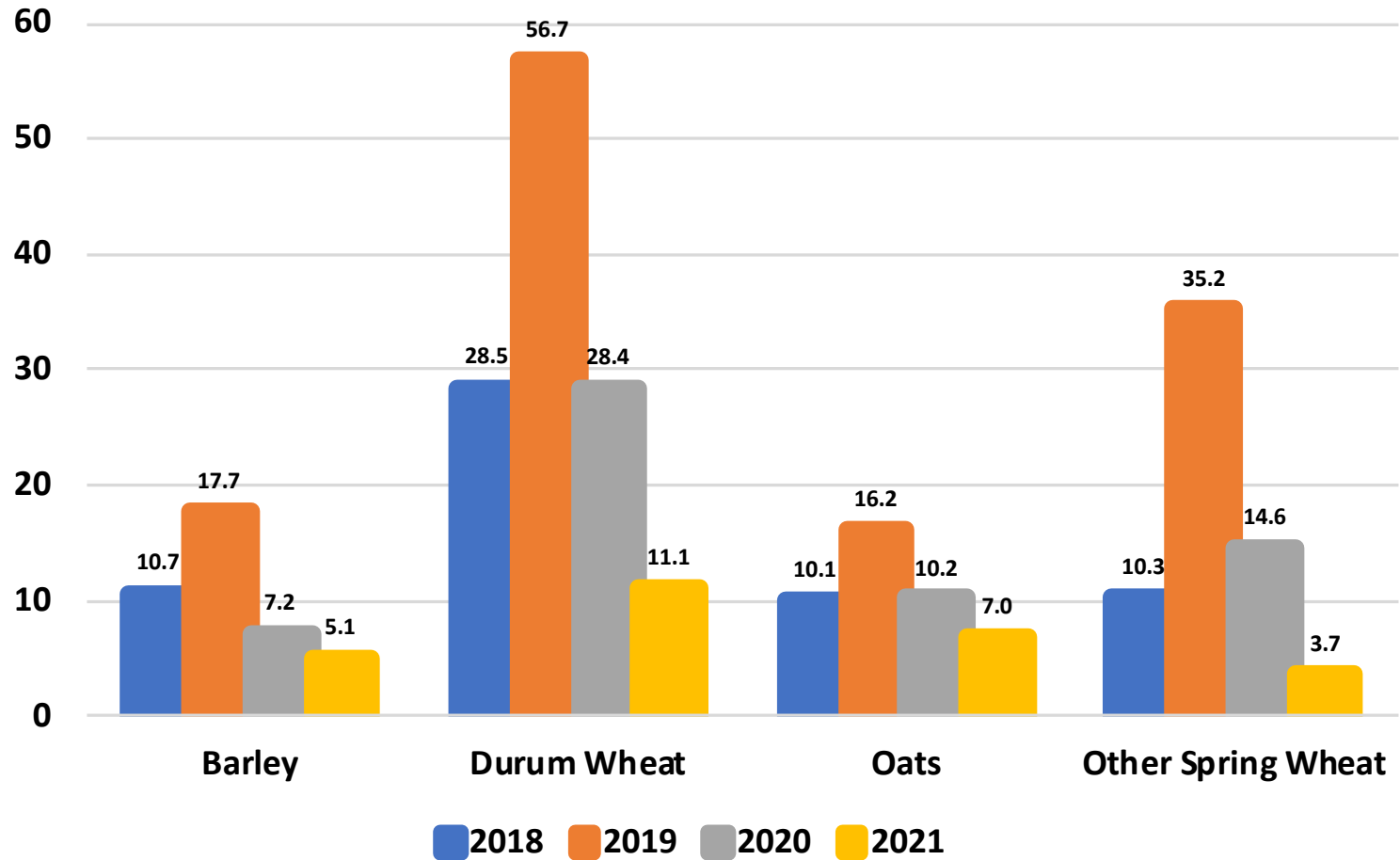
|                                 | Planted<br>(1,000 Acres) | Harvested<br>(1,000 Acres) | Yield<br>(Units per Acre) | Unit      | Production<br>(1,000 Units) | Unit      |
|---------------------------------|--------------------------|----------------------------|---------------------------|-----------|-----------------------------|-----------|
| <b>Barley</b>                   | <b>2,660</b>             | <b>1,948</b>               | <b>60.4</b>               | <b>Bu</b> | <b>117,673</b>              | <b>Bu</b> |
| % Change from Previous Estimate | ↑ 2.2                    | ↓ 4.7                      | ↑ 17.1                    |           | ↑ 11.5                      |           |
| % Change from Previous Season   | ↓ 2.4                    | ↓ 12.0                     | ↓ 21.8                    |           | ↓ 31.1                      |           |
| <b>Oats</b>                     | <b>2,550</b>             | <b>650</b>                 | <b>61.3</b>               | <b>Bu</b> | <b>39,836</b>               | <b>Bu</b> |
| % Change from Previous Estimate | ↑ 8.4                    | ↓ 10.0                     | ↑ 6.8                     |           | ↓ 3.8                       |           |
| % Change from Previous Season   | ↓ 15.3                   | ↓ 35.6                     | ↓ 5.8                     |           | ↓ 39.4                      |           |
| <b>Rye</b>                      | <b>2,133</b>             | <b>294</b>                 | <b>33.4</b>               | <b>Bu</b> | <b>9,808</b>                | <b>Bu</b> |
| % Change from Previous Estimate | ↑ 0.4                    | ↓ 19.2                     | N/A                       |           | N/A                         |           |
| % Change from Previous Season   | ↑ 9.1                    | ↓ 10.9                     | ↓ 4.3                     |           | ↓ 14.9                      |           |



# Small Grains

## U.S. Percent of Acres Remaining to be Harvested

Percent



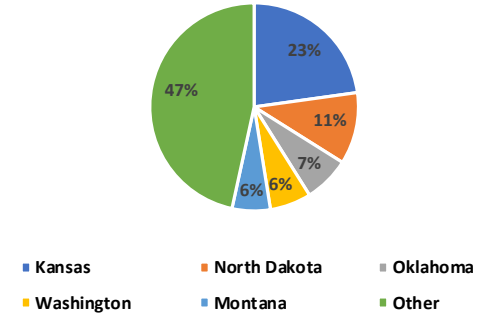


# September 2021 All Wheat Stocks



|                               | September 1<br>Total<br>(1,000 Bu) | September 1<br>On-Farm<br>(1,000 Bu) | September 1<br>Off-Farm<br>(1,000 Bu) |
|-------------------------------|------------------------------------|--------------------------------------|---------------------------------------|
| <b>United States</b>          | <b>1,779,938</b>                   | <b>419,190</b>                       | <b>1,360,748</b>                      |
| % Change from Previous Season | ↓ 17.5                             | ↓ 40.5                               | ↓ 6.3                                 |

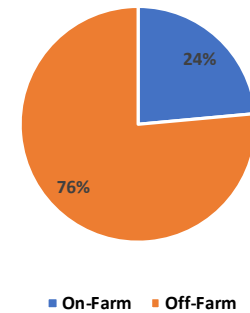
September 1, 2021 All Wheat Total Stocks By State



Top 5 States - By Total Stocks

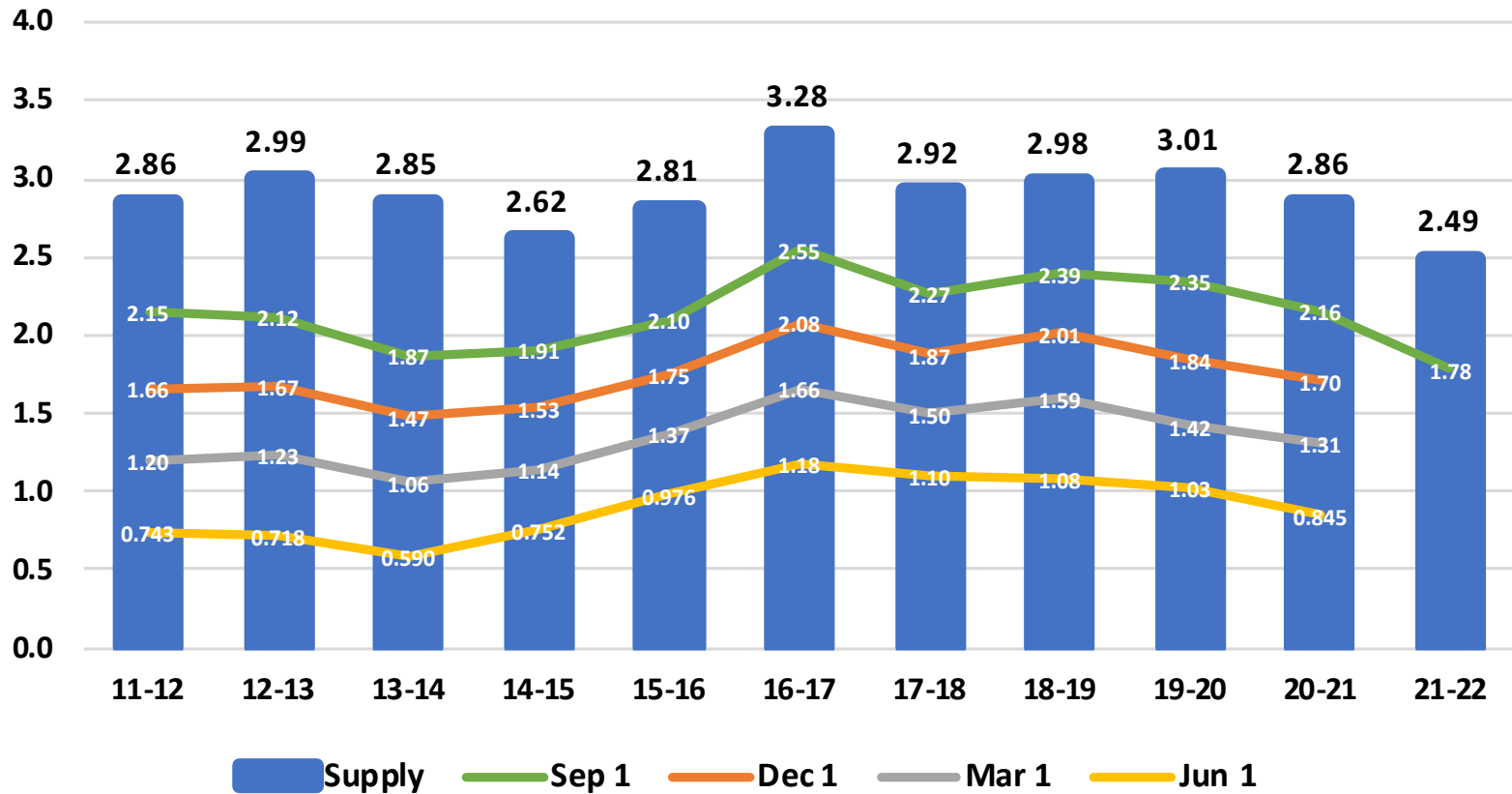
|              | September 1<br>Total<br>(1,000 Bu) |        | September 1<br>On-Farm<br>(1,000 Bu) |        | September 1<br>Off-Farm<br>(1,000 Bu) |        |
|--------------|------------------------------------|--------|--------------------------------------|--------|---------------------------------------|--------|
|              |                                    | % Δ PY |                                      | % Δ PY |                                       | % Δ PY |
| Kansas       | 405,640                            | ↓ 5.4  | 26,500                               | ↓ 17.2 | 379,140                               | ↓ 4.5  |
| North Dakota | 198,564                            | ↓ 35.8 | 99,000                               | ↓ 56.0 | 99,564                                | ↑ 18.3 |
| Oklahoma     | 127,287                            | ↓ 4.7  | 12,000                               | ↓ 11.1 | 115,287                               | ↓ 4.0  |
| Washington   | 113,751                            | ↓ 37.5 | 11,000                               | ↓ 56.9 | 102,751                               | ↓ 34.4 |
| Montana      | 105,548                            | ↓ 51.5 | 71,000                               | ↓ 58.0 | 34,548                                | ↓ 28.9 |

September 1, 2021 All Wheat Stocks By Position



# September 2021 All Wheat Stocks United States

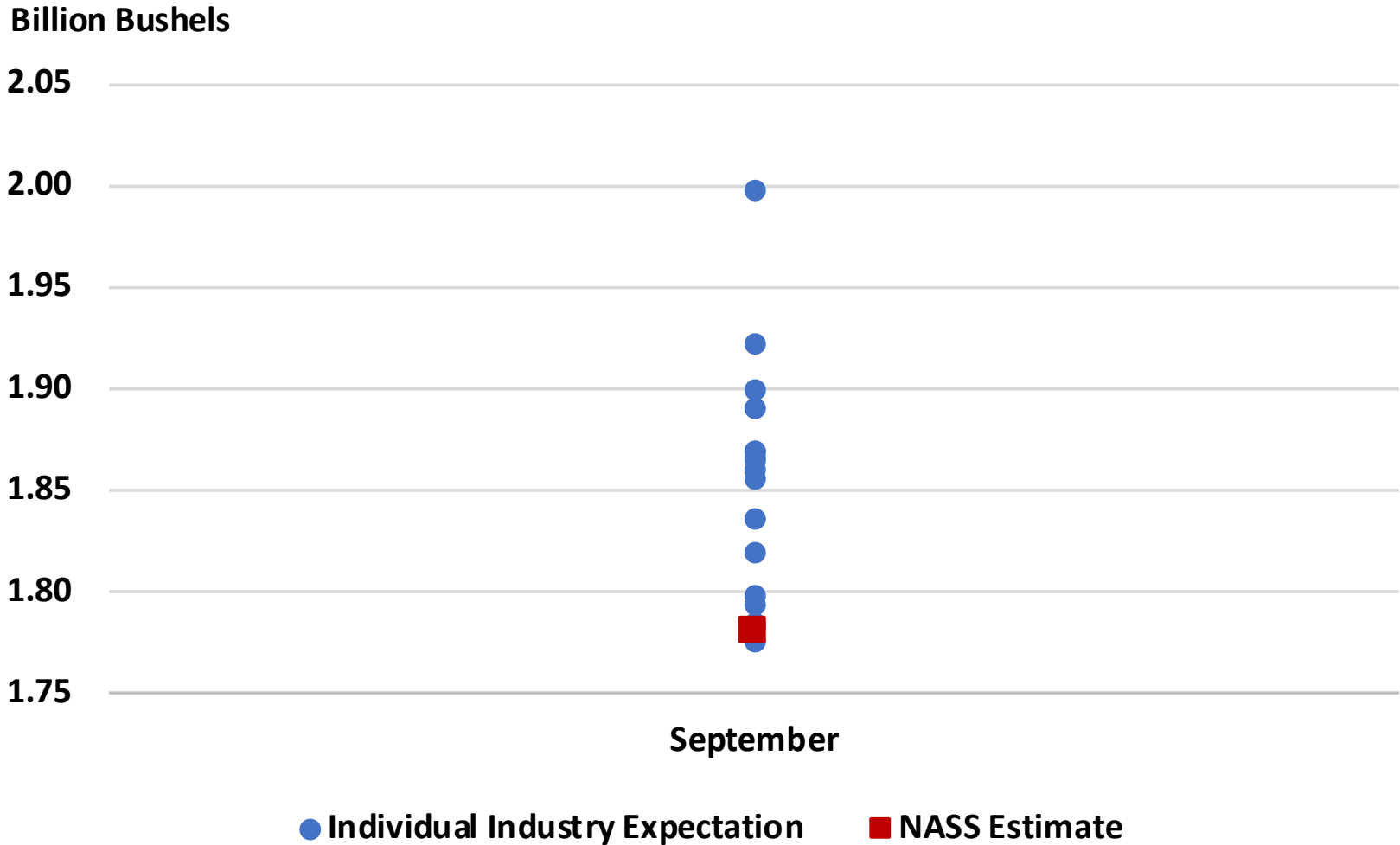
Billion Bushels





# 2021 U.S. All Wheat Stocks

## Industry Expectations vs NASS



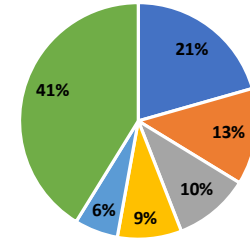


# September 2021 Corn Stocks



|                               | September 1<br>Total<br>(1,000 Bu) | September 1<br>On-Farm<br>(1,000 Bu) | September 1<br>Off-Farm<br>(1,000 Bu) |
|-------------------------------|------------------------------------|--------------------------------------|---------------------------------------|
| <b>United States</b>          | <b>1,236,481</b>                   | <b>394,900</b>                       | <b>841,581</b>                        |
| % Change from Previous Season | ↓ 35.6                             | ↓ 47.4                               | ↓ 28.0                                |

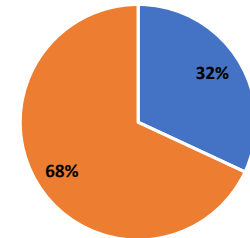
September 1, 2021 Corn Total Stocks By State



■ Iowa ■ Nebraska ■ Illinois ■ Minnesota ■ Indiana ■ Other

|           | September 1<br>Total<br>(1,000 Bu) |        | September 1<br>On-Farm<br>(1,000 Bu) |        | September 1<br>Off-Farm<br>(1,000 Bu) |        |
|-----------|------------------------------------|--------|--------------------------------------|--------|---------------------------------------|--------|
|           |                                    | % Δ PY |                                      | % Δ PY |                                       | % Δ PY |
| Iowa      | 254,370                            | ↓ 31.9 | 55,000                               | ↓ 60.7 | 199,370                               | ↓ 14.5 |
| Nebraska  | 163,057                            | ↓ 28.1 | 47,500                               | ↓ 45.4 | 115,557                               | ↓ 17.3 |
| Illinois  | 127,820                            | ↓ 49.2 | 44,000                               | ↓ 15.4 | 83,820                                | ↓ 58.0 |
| Minnesota | 108,103                            | ↓ 56.3 | 42,000                               | ↓ 67.7 | 66,103                                | ↓ 43.7 |
| Indiana   | 73,457                             | ↓ 18.0 | 25,000                               | ↓ 16.7 | 48,457                                | ↓ 18.7 |

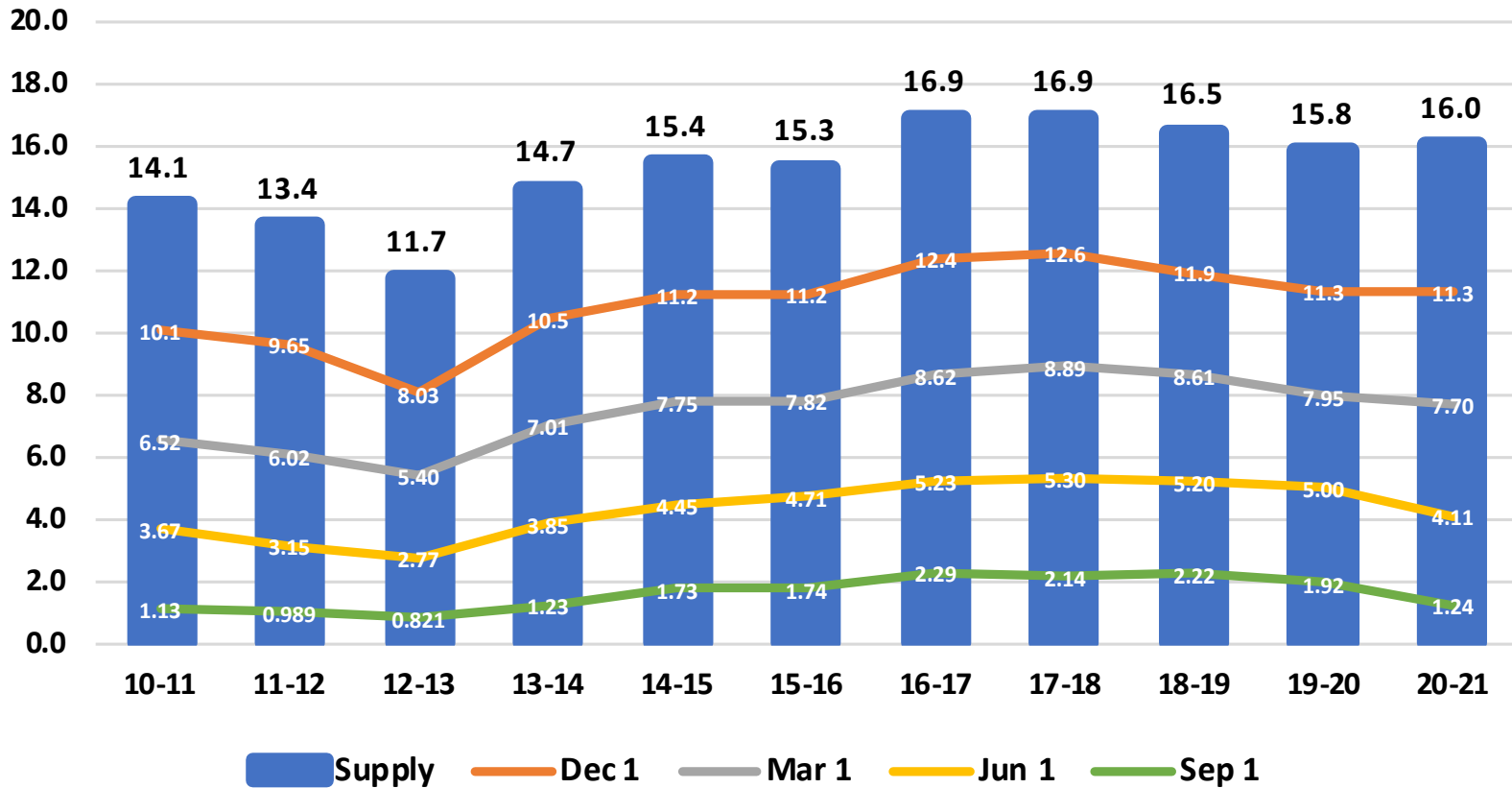
September 1, 2021 Corn Stocks By Position



■ On-Farm ■ Off-Farm

# September 2021 Corn Stocks United States

Billion Bushels



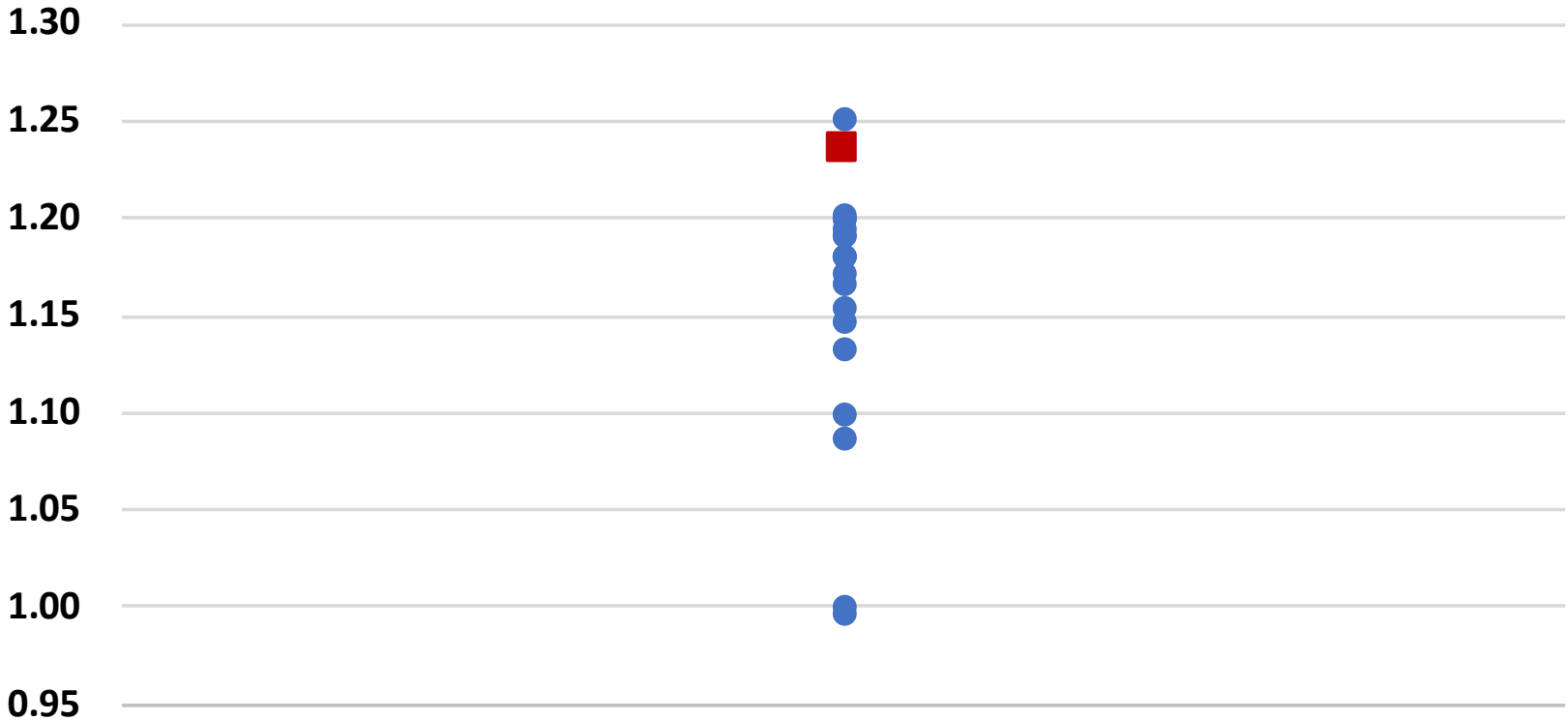


# 2021 U.S. Corn Stocks

## Industry Expectations vs NASS



Billion Bushels



September

● Individual Industry Expectation    ■ NASS Estimate



# 2020 U.S. Corn Crop Balance Sheet



|                                | Previous<br>Estimates<br>(Million Bushels) | September 30<br>Estimates<br>(Million Bushels) | Change<br>(Million Bushels) |     |
|--------------------------------|--|--|-----------------------------|-----|
| Sept. 1, 2020 Beginning Stocks | 1,919                                      | 1,919  |                             | NC  |
| 2020 Production                | 14,182                                     | 14,111   | ↓                           | 71  |
| Imports                        | 25 *                                       | 25 *   |                             | NC  |
| <b>Total Supply</b>            | <b>16,127</b>                              | <b>16,056</b>                                  | ↓                           | 71  |
| Exports                        | 2,745 *                                    | 2,745 *  |                             | NC  |
| Food, Seed, and Industrial     | 6,470 *                                    | 6,470 *  |                             | NC  |
| <b>Measured Disappearance</b>  | <b>9,215 *</b>                             | <b>9,215 *</b>                                 |                             | NC  |
| <b>Ending Stocks</b>           | <b>1,187 *</b>                             | <b>1,236</b>                                   | ↑                           | 49  |
| <b>Residual</b>                | <b>5,725 *</b>                             | <b>5,604</b>                                   | ↓                           | 121 |

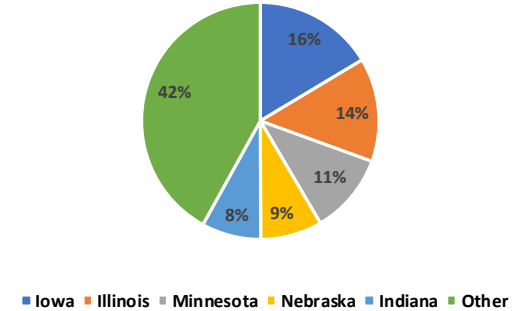
\* WAOB Forecast - September WASDE Report



# September 2021 Soybeans Stocks

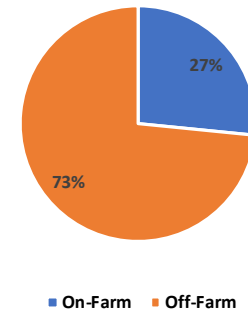
|                                  | September 1<br>Total<br>(1,000 Bu) | September 1<br>On-Farm<br>(1,000 Bu) | September 1<br>Off-Farm<br>(1,000 Bu) |
|----------------------------------|------------------------------------|--------------------------------------|---------------------------------------|
| <b>United States</b>             | <b>256,179</b>                     | <b>68,100</b>                        | <b>188,079</b>                        |
| % Change from<br>Previous Season | ↓ 51.2                             | ↓ 51.8                               | ↓ 50.9                                |

September 1, 2021 Soybean  
Total Stocks By State



|           | Top 5 States - By Total Stocks     |        |                                      |        |                                       |        |
|-----------|------------------------------------|--------|--------------------------------------|--------|---------------------------------------|--------|
|           | September 1<br>Total<br>(1,000 Bu) |        | September 1<br>On-Farm<br>(1,000 Bu) |        | September 1<br>Off-Farm<br>(1,000 Bu) |        |
|           |                                    | % Δ PY |                                      | % Δ PY |                                       | % Δ PY |
| Iowa      | 41,996                             | ↓ 58.9 | 10,500                               | ↓ 59.6 | 31,496                                | ↓ 58.7 |
| Illinois  | 36,248                             | ↓ 45.0 | 10,000                               | ↓ 23.1 | 26,248                                | ↓ 50.4 |
| Minnesota | 28,208                             | ↓ 41.7 | 8,800                                | ↓ 48.2 | 19,408                                | ↓ 38.1 |
| Nebraska  | 21,503                             | ↓ 58.4 | 8,400                                | ↓ 42.1 | 13,103                                | ↓ 64.7 |
| Indiana   | 20,717                             | ↓ 17.0 | 4,700                                | ↓ 32.9 | 16,017                                | ↓ 10.9 |

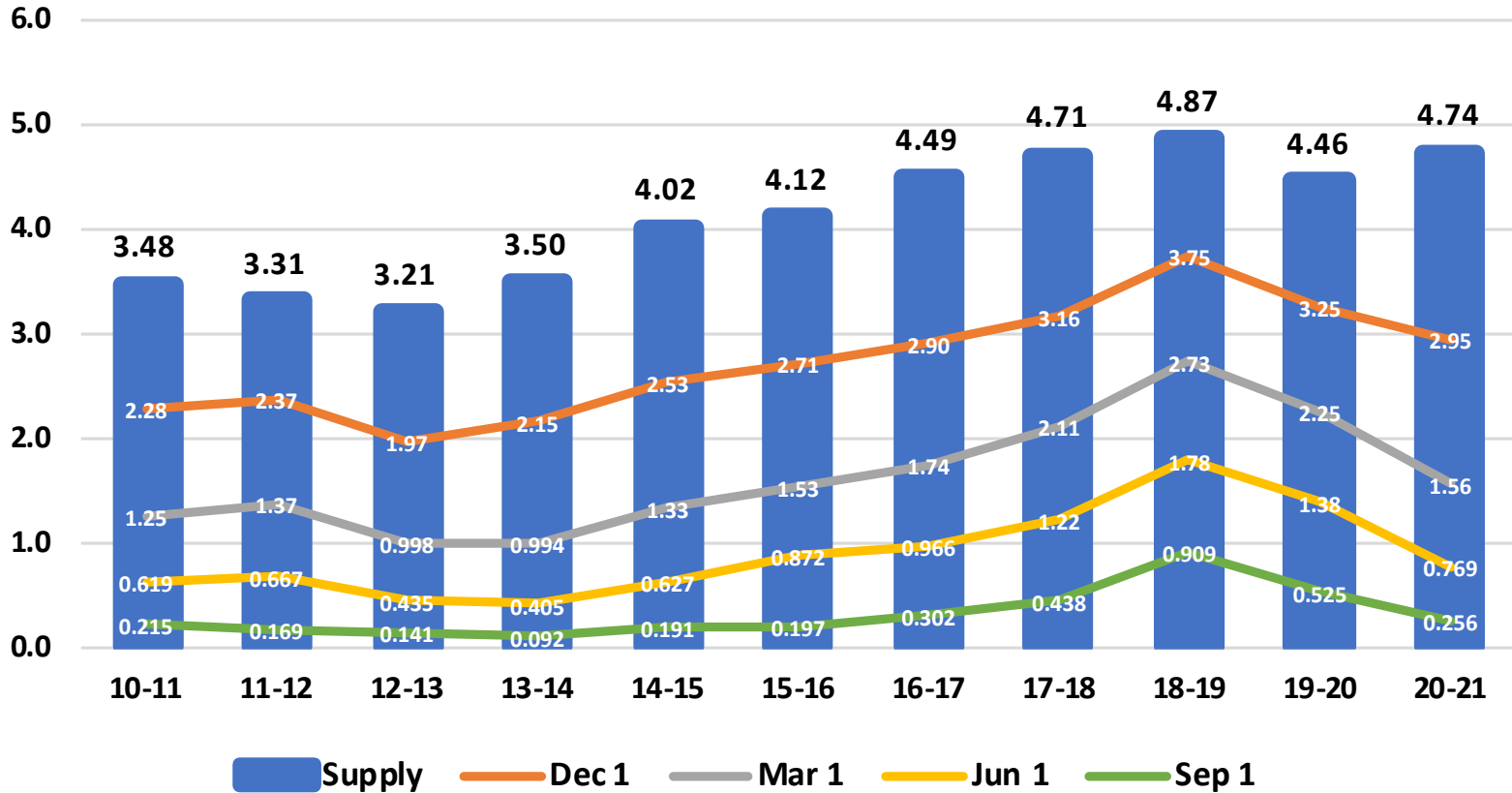
September 1, 2021 Soybean  
Stocks By Position



# September 2021 Soybean Stocks

## United States

Billion Bushels





# 2021 U.S. Soybean Stocks

## Industry Expectations vs NASS



Billion Bushels

0.30

0.25

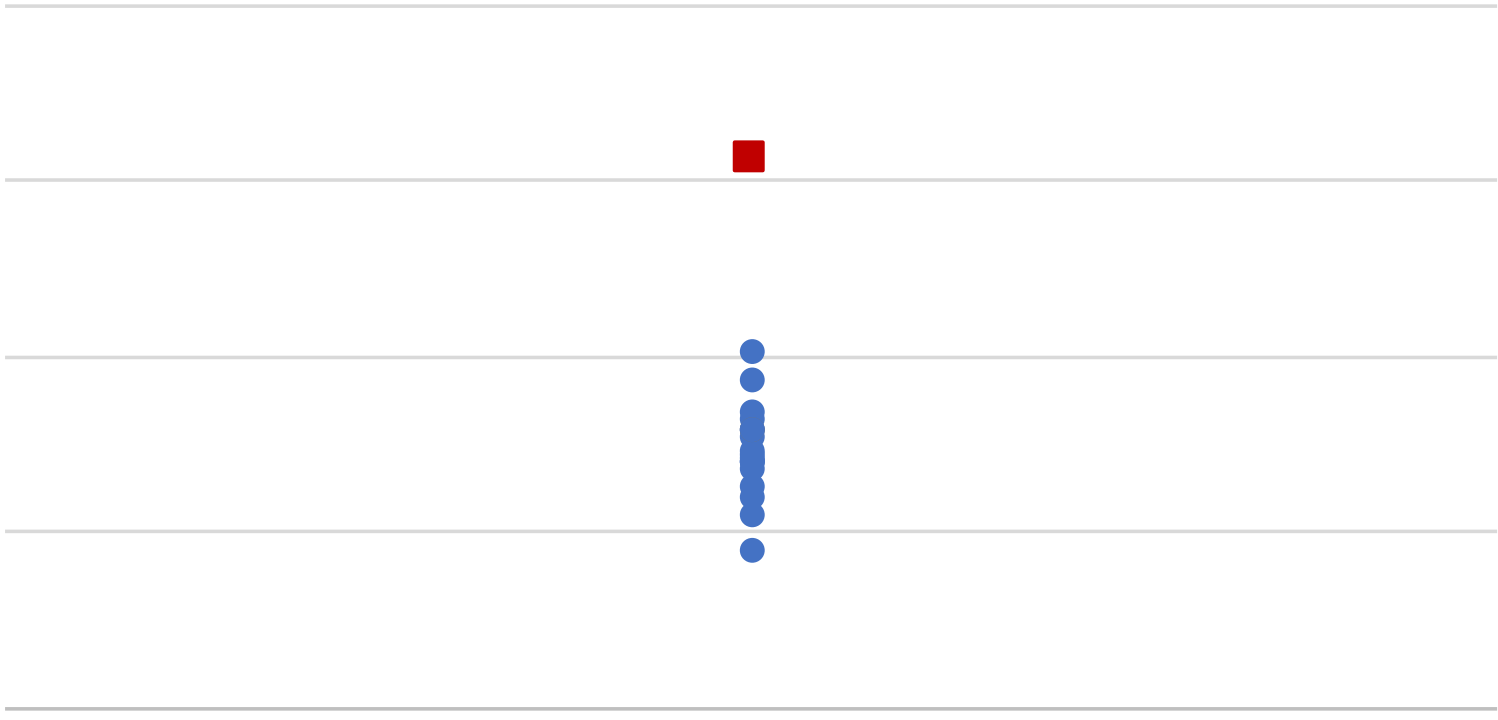
0.20

0.15

0.10

September

● Individual Industry Expectation    ■ NASS Estimate





# 2020 U.S. Soybean Crop Balance Sheet



|                                | Previous<br>Estimates<br>(Million Bushels) | September 30<br>Estimates<br>(Million Bushels) | Change<br>(Million Bushels) |    |
|--------------------------------|--|--|-----------------------------|----|
| Sept. 1, 2020 Beginning Stocks | 525  | 525  |                             | NC |
| 2020 Production                | 4,135                                      | 4,216  | ↑                           | 81 |
| Imports                        | 20 *                                       | 20 *   |                             | NC |
| <b>Total Supply</b>            | <b>4,680</b>                               | <b>4,761</b>                                   | ↑                           | 81 |
| Crushings                      | 2,140 *                                    | 2,140 *  |                             | NC |
| Exports                        | 2,260 *                                    | 2,260 *  |                             | NC |
| Seed                           | 101 *                                      | 101 *  |                             | NC |
| <b>Measured Disappearance</b>  | <b>4,501 *</b>                             | <b>4,501 *</b>                                 |                             | NC |
| <b>Ending Stocks</b>           | <b>175 *</b>                               | <b>256</b>                                     | ↑                           | 81 |
| <b>Residual</b>                | <b>4 *</b>                                 | <b>4</b>                                       | ↓                           | <1 |

\* WAOB Forecast - September WASDE Report



# September 2021 Stocks



|                             | Unit           | September 1<br>Total<br>(1,000 Units) | September 1<br>On-Farm<br>(1,000 Units) | September 1<br>Off-Farm<br>(1,000 Units) |
|-----------------------------|----------------|---------------------------------------|---|--|
| <b>Barley</b>               | <b>Bushels</b> | <b>135,205</b>                        | <b>77,680</b>                           | <b>57,525</b>                            |
| % Change from Previous Year |                | ↓ 24.7                                | ↓ 28.7                                  | ↓ 18.4                                   |
| <b>Durum Wheat</b>          | <b>Bushels</b> | <b>46,908</b>                         | <b>21,000</b>                           | <b>25,908</b>                            |
| % Change from Previous Year |                | ↓ 33.9                                | ↓ 51.7                                  | ↓ 5.8                                    |
| <b>Oats</b>                 | <b>Bushels</b> | <b>62,132</b>                         | <b>32,150</b>                           | <b>29,982</b>                            |
| % Change from Previous Year |                | ↓ 7.1                                 | ↓ 19.3                                  | ↑ 11.0                                   |
| <b>Safflower</b>            | <b>Pounds</b>  | <b>2,470</b>                          | <b>(D)</b>                              | <b>(D)</b>                               |
| % Change from Previous Year |                | ↓ 67.6                                | N/A                                     | N/A                                      |
| <b>Sorghum</b>              | <b>Bushels</b> | <b>20,346</b>                         | <b>588</b>                              | <b>19,758</b>                            |
| % Change from Previous Year |                | ↓ 32.4                                | ↓ 80.1                                  | ↓ 27.2                                   |
| <b>Sunflower</b>            | <b>Pounds</b>  | <b>387,707</b>                        | <b>68,120</b>                           | <b>319,587</b>                           |
| % Change from Previous Year |                | ↑ 99.6                                | ↑ 203.0                                 | ↑ 86.0                                   |



# Selected Upcoming Reports



|                   |  |
|-------------------|--|
| <b>October 1</b>  | <b>Cotton System<br/>Fats &amp; Oils<br/>Grain Crushings</b> |
| <b>October 12</b> | <b>Cotton Ginnings<br/>Crop Production</b>                   |
| <b>October 22</b> | <b>Cattle on Feed<br/>Cotton Ginnings<br/>Rice Stocks</b>    |
| <b>October 29</b> | <b>Agricultural Prices</b>                                   |

<https://www.nass.usda.gov/Publications/index.php>



# USDA Data Users' Meeting



## 2021 USDA Fall Virtual Data Users' Meeting

Oct. 13 & 14, 2021

**FREE AND OPEN TO THE PUBLIC**



## USDA Fall Data Users' Meeting

October 13 & 14, 2021

12:00 p.m. – 3:00 p.m. ET

For more information and to register please go to

[www.nass.usda.gov/Education\\_and\\_Outreach/Meeting/index.php](http://www.nass.usda.gov/Education_and_Outreach/Meeting/index.php)

United States Department of Agriculture  
National Agricultural Statistics Service

September 30, 2021




## STAT CHAT SERIES

Join @usda\_nass on Twitter using #StatChat to discuss the *Grain Stocks* and *Small Grains Summary* reports with Lance Honig.

**THUR, SEPT. 30 @ 1PM ET**

You can tweet questions in advance to @usda\_nass.



**#STATCHAT**







**All Reports Available At**

**[www.nass.usda.gov](http://www.nass.usda.gov)**

**For Questions**

**(202) 720-2127**

**(800) 727-9540**

**[nass@usda.gov](mailto:nass@usda.gov)**