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# September Crop Production

## Agricultural Statistics Board Briefing

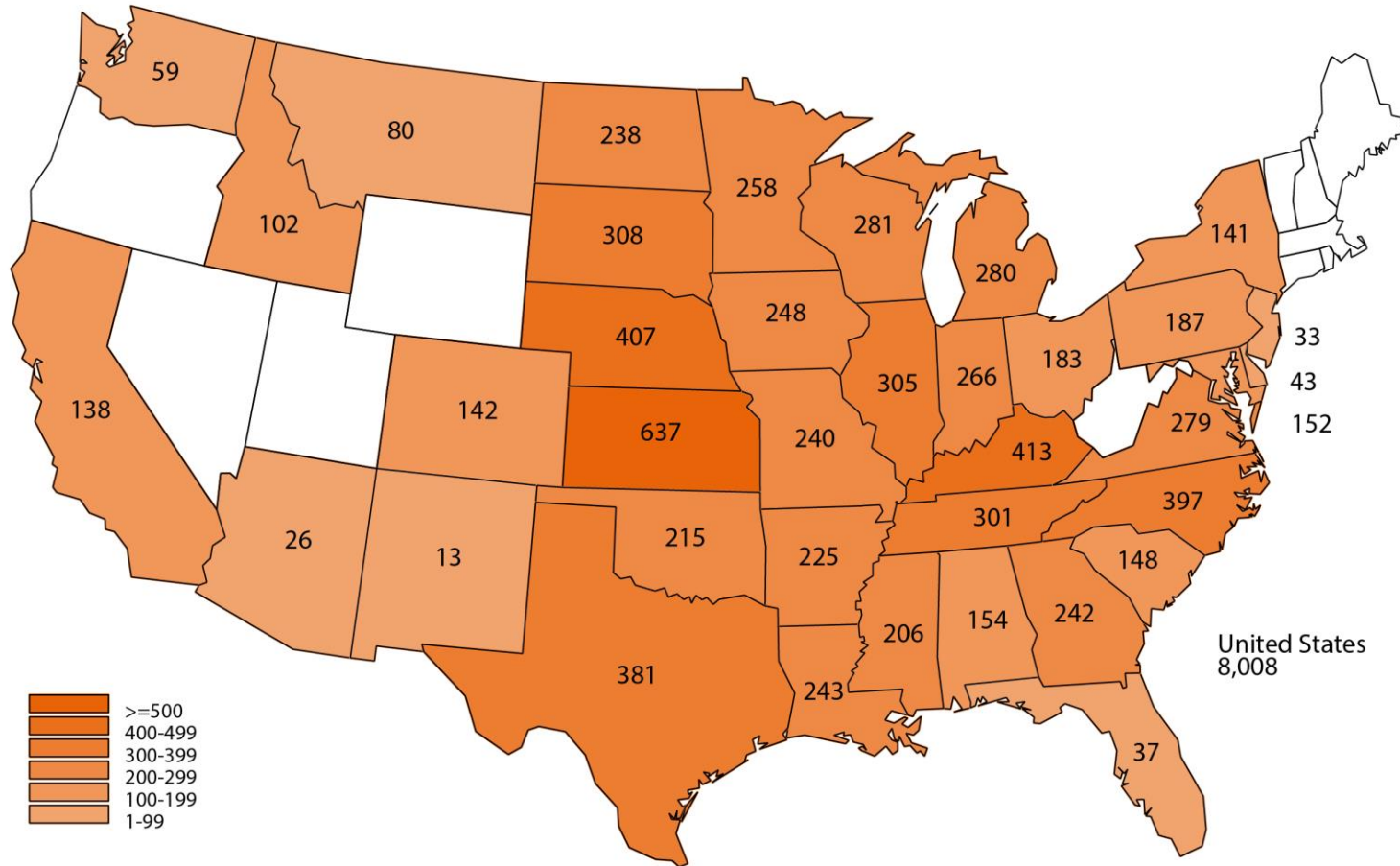
Lance Honig, Chief  
Crops Branch

# Data Sources

<b>Operator Reported Survey</b>	<b>Ag Yield</b>	<b>Sample Size = 8,008</b>	<b>August 30 - September 7</b>
<b>Field Survey</b>	<b>Objective Yield Corn, Cotton, Soybeans</b>	<b>Sample Size = 3,930</b>	<b>August 25 - September 1</b>
<b>Remotely Sensed (Satellite)</b>	<b>Time Series 250 Meter MODIS Satellite Data</b>	<b>Focus Area Corn Belt</b>	<b>Imagery Through August 28</b>
<b>FSA Certified Acres</b>	<b>Farm Service Agency policy requires that producers participating in several programs submit an annual report regarding all cropland use on their farms.</b>		

# September 2021 Ag Yield Survey

## Sample Sizes





# Special Note



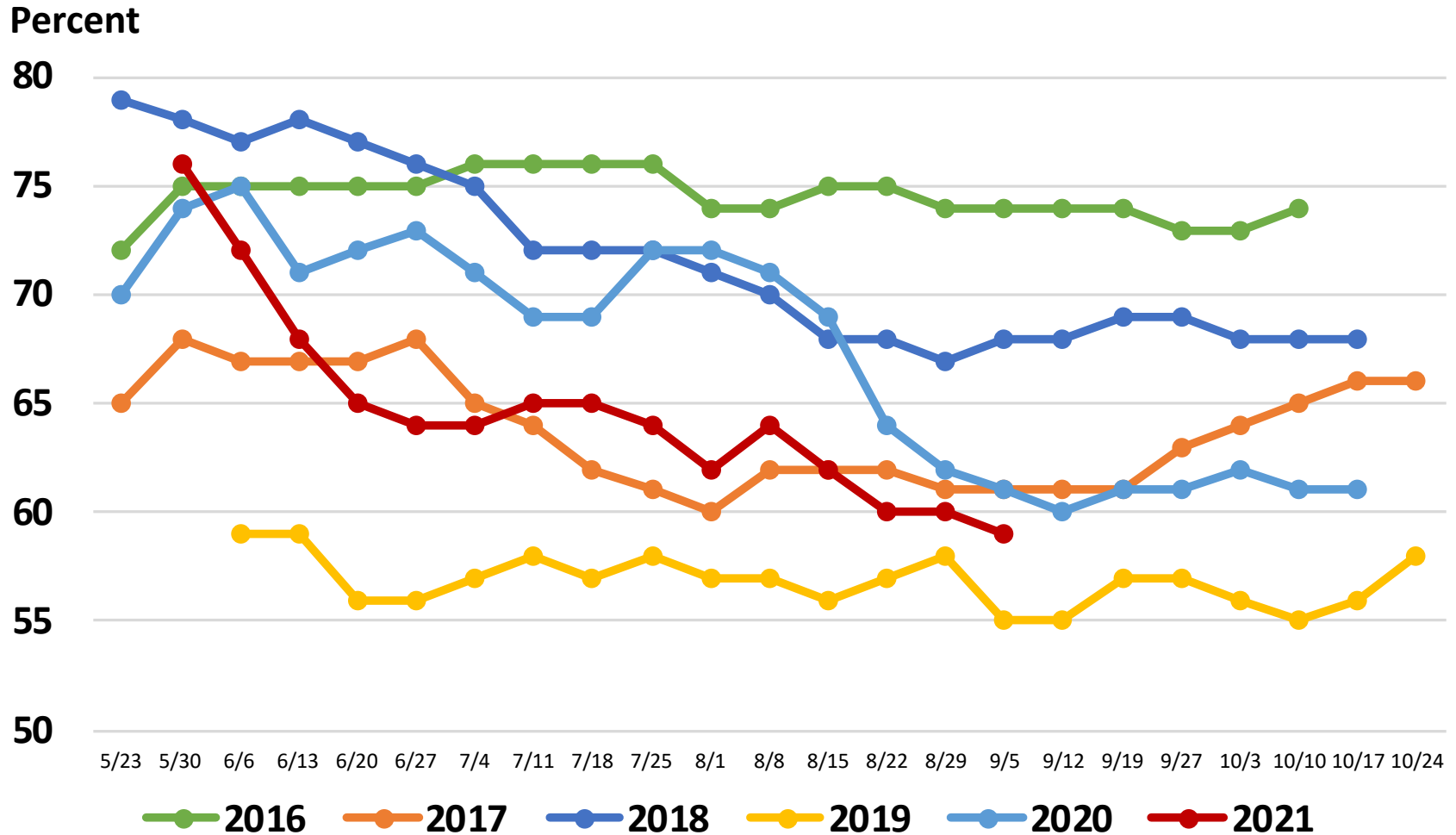
Each September, NASS has the opportunity to revise planted and harvested acreage estimates for cotton, peanuts, and rice. This year NASS also included corn, sorghum, soybeans, and sugarbeets in this review due to the completeness of this season's data for these crops. Revisions are based all available data, including the latest certified acreage data from the Farm Service Agency (FSA). All States in the estimating program for these crops were subject to review and updating.

Hurricane Ida made landfall on August 29 in Louisiana. The resulting rainfall caused flooding in parts of Louisiana and Mississippi. The full impact of this weather event may not be fully reflected in this report.



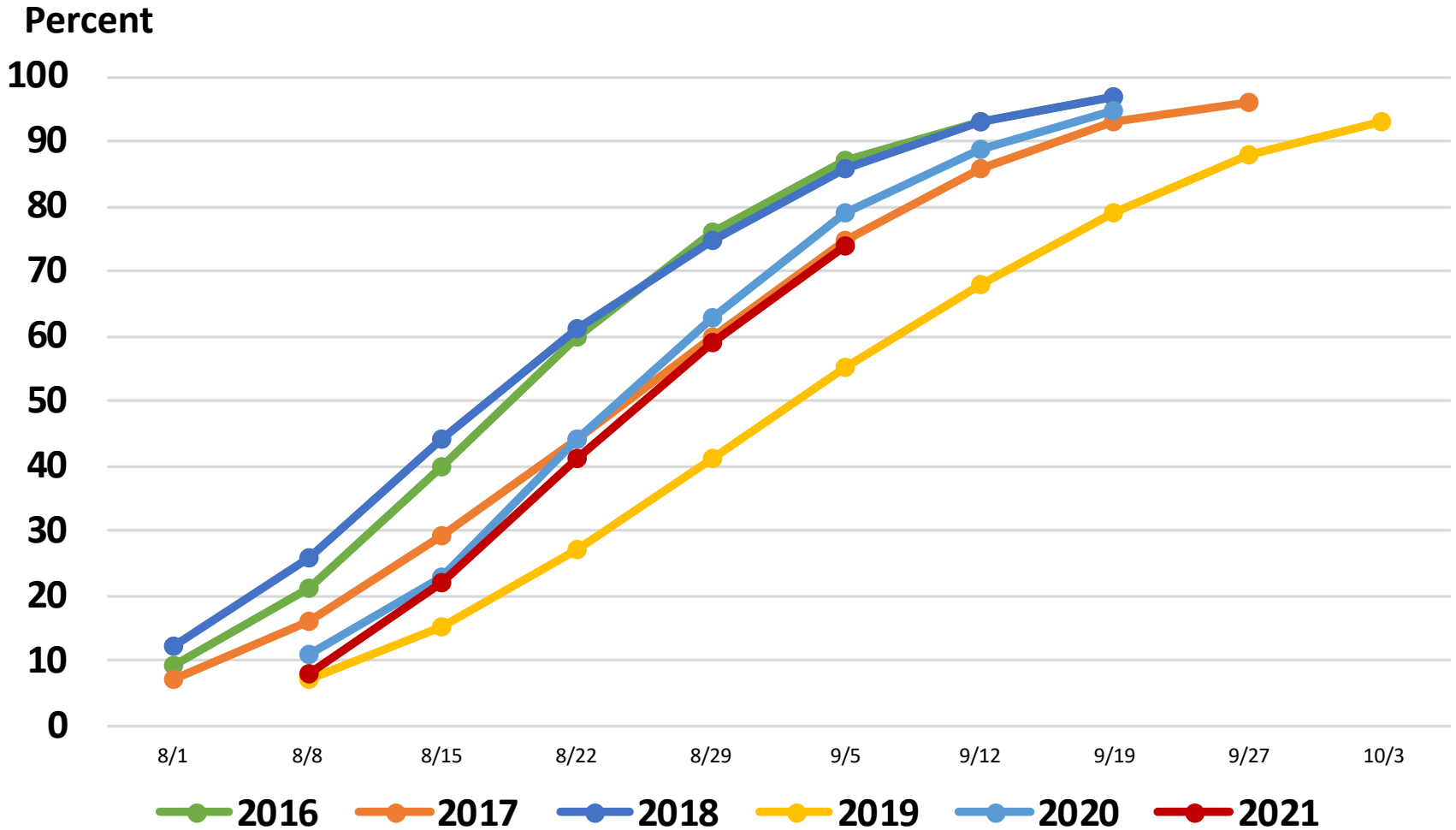
# United States Corn Condition

## Percent Rated Good to Excellent



# United States Corn Progress

## Percent Dented





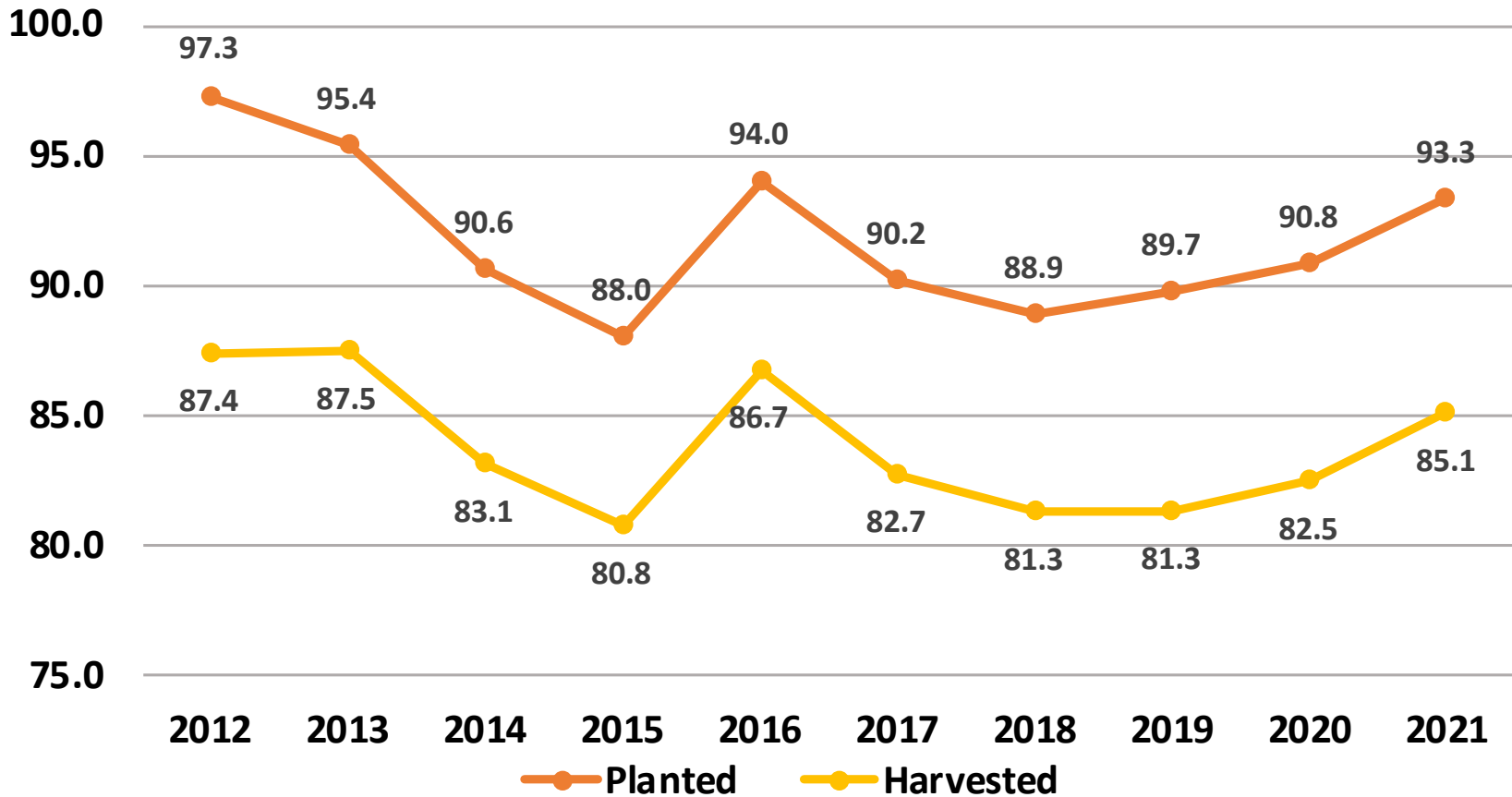
# September 2021 Corn Acreage, Yield, and Production

	Planted (1,000 Acres)		Harvested (1,000 Acres)		Yield (Bushels/Acre)		Production (1,000 Bushels)	
<b>United States</b>	<b>93,304</b>		<b>85,085</b>		<b>176.3</b>		<b>14,996,417</b>	
% Change from Previous Estimate	↑	0.7	↑	0.7	↑	1.0	↑	1.7
% Change from Previous Season	↑	2.7	↑	3.2	↑	2.5	↑	5.7

	Top 5 States - By Production											
	Planted (1,000 Acres)		Harvested (1,000 Acres)		Yield (Bushels/Acre)		Production (1,000 Bushels)					
		% Δ PY		% Δ PY		% Δ PY		% Δ PY				
Iowa	12,900	↓	5.1	12,450	↓	3.5	198	↑	11.2	2,465,100	↑	7.4
Illinois	11,000	↓	2.7	10,800	↓	2.7	214	↑	11.5	2,311,200	↑	8.4
Nebraska	9,900	↓	2.9	9,600	↓	2.9	188	↑	3.9	1,804,800	↑	0.8
Minnesota	8,300	↑	3.8	7,800	↑	3.9	174	↓	9.4	1,357,200	↓	5.9
Indiana	5,400		NC	5,250		NC	197	↑	5.3	1,034,250	↑	5.3

# Corn Acres United States

Million Acres

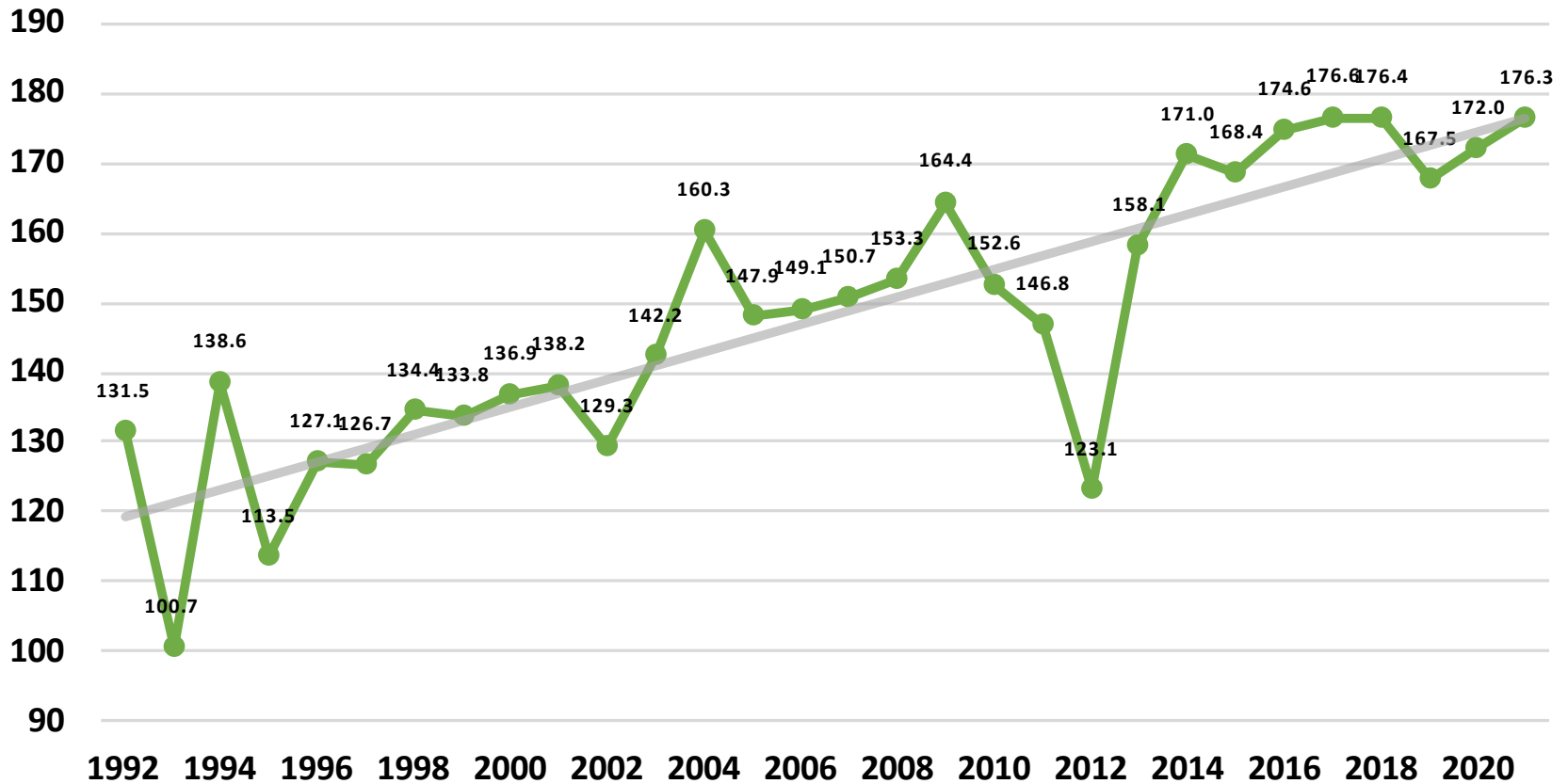






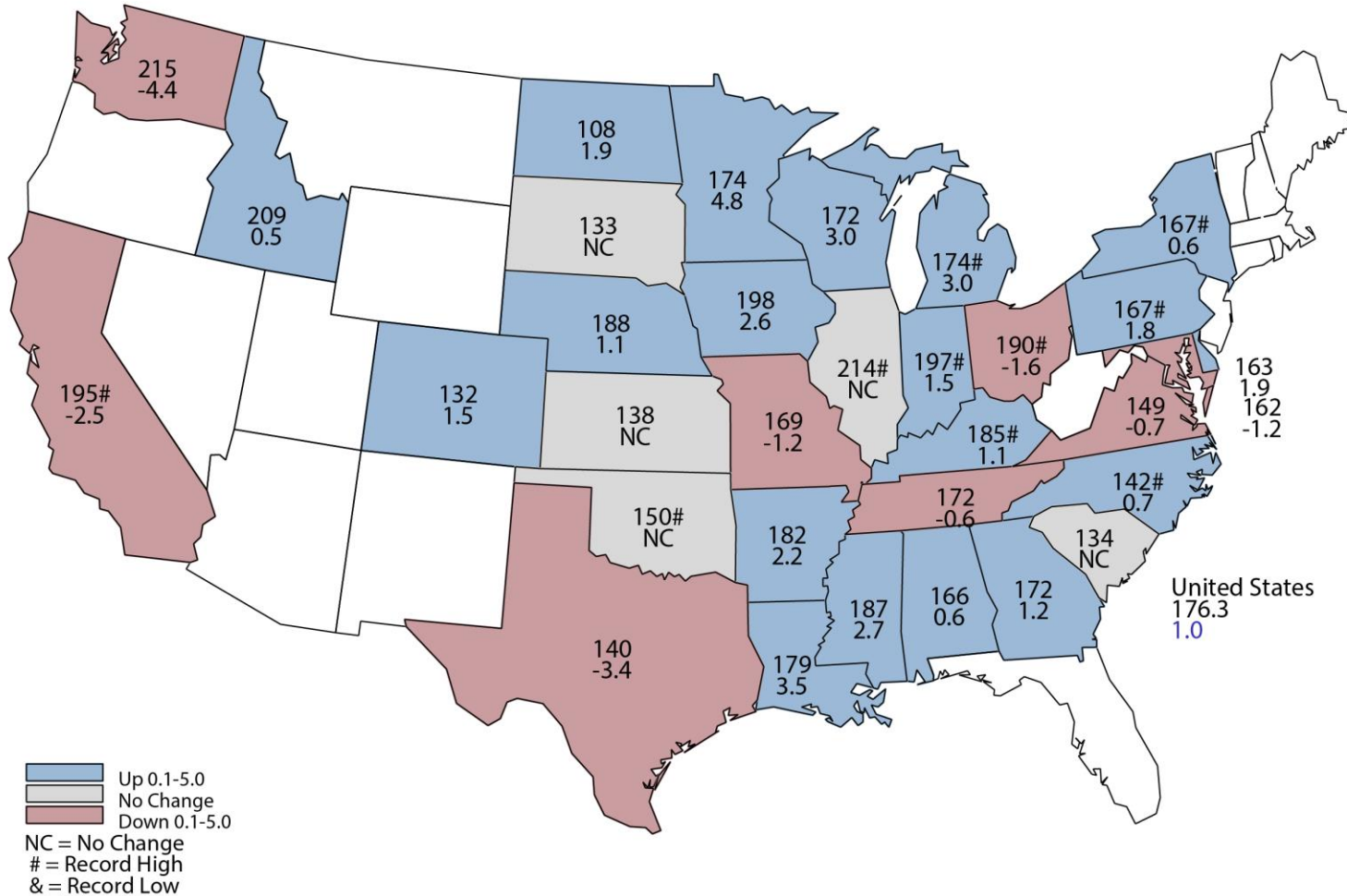
# Corn Yield United States

Bushels per Acre

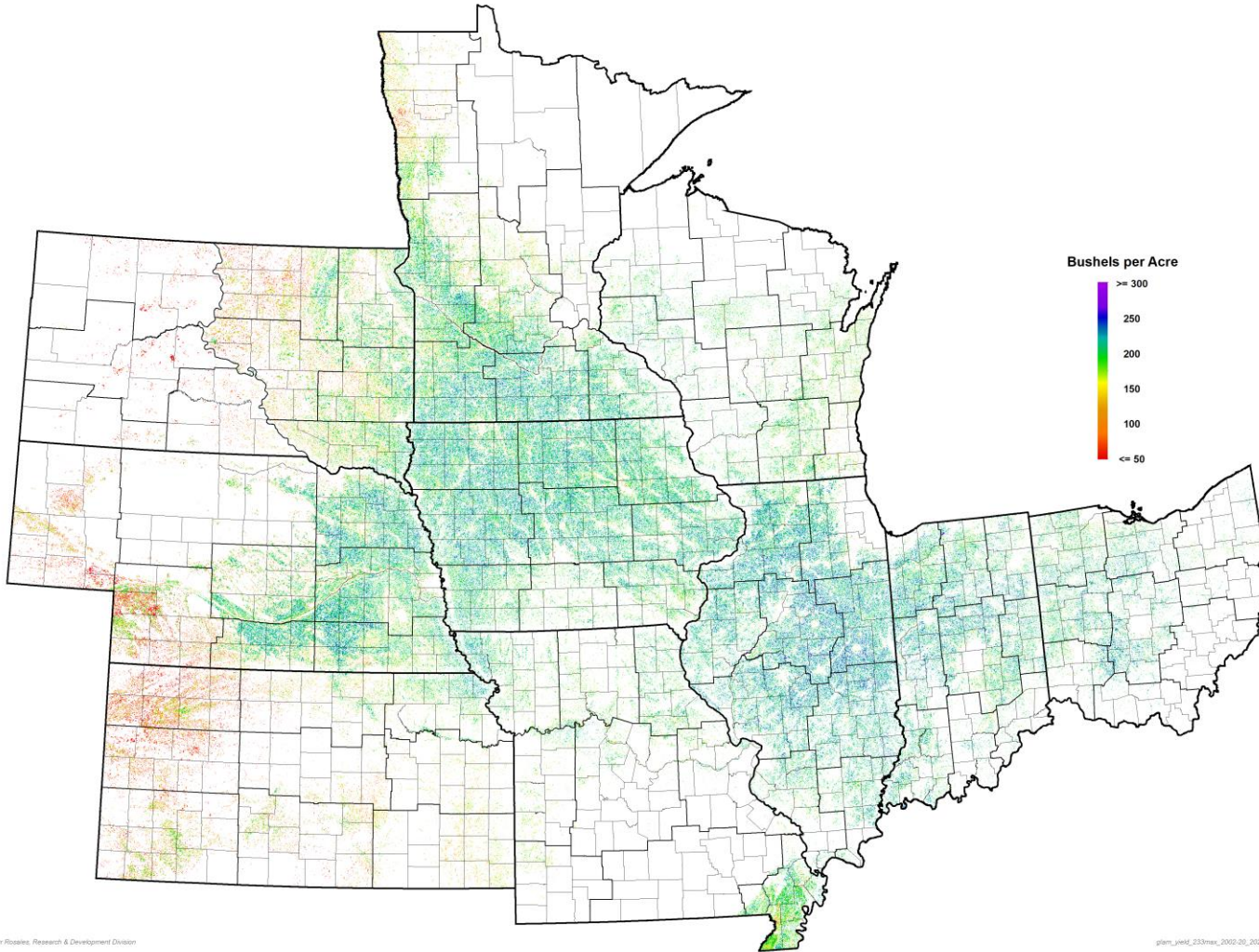


# September 2021 Corn Yield

## Bushels and Percent Change from Previous Month



# September 2021 Corn NASA Terra MODIS Modeled Yield



David M. Johnson & Arthur Roseboro, Research & Development Division

plm\_yield\_333max\_2002-20\_2021\_corn\_no\_agric\_9/2021

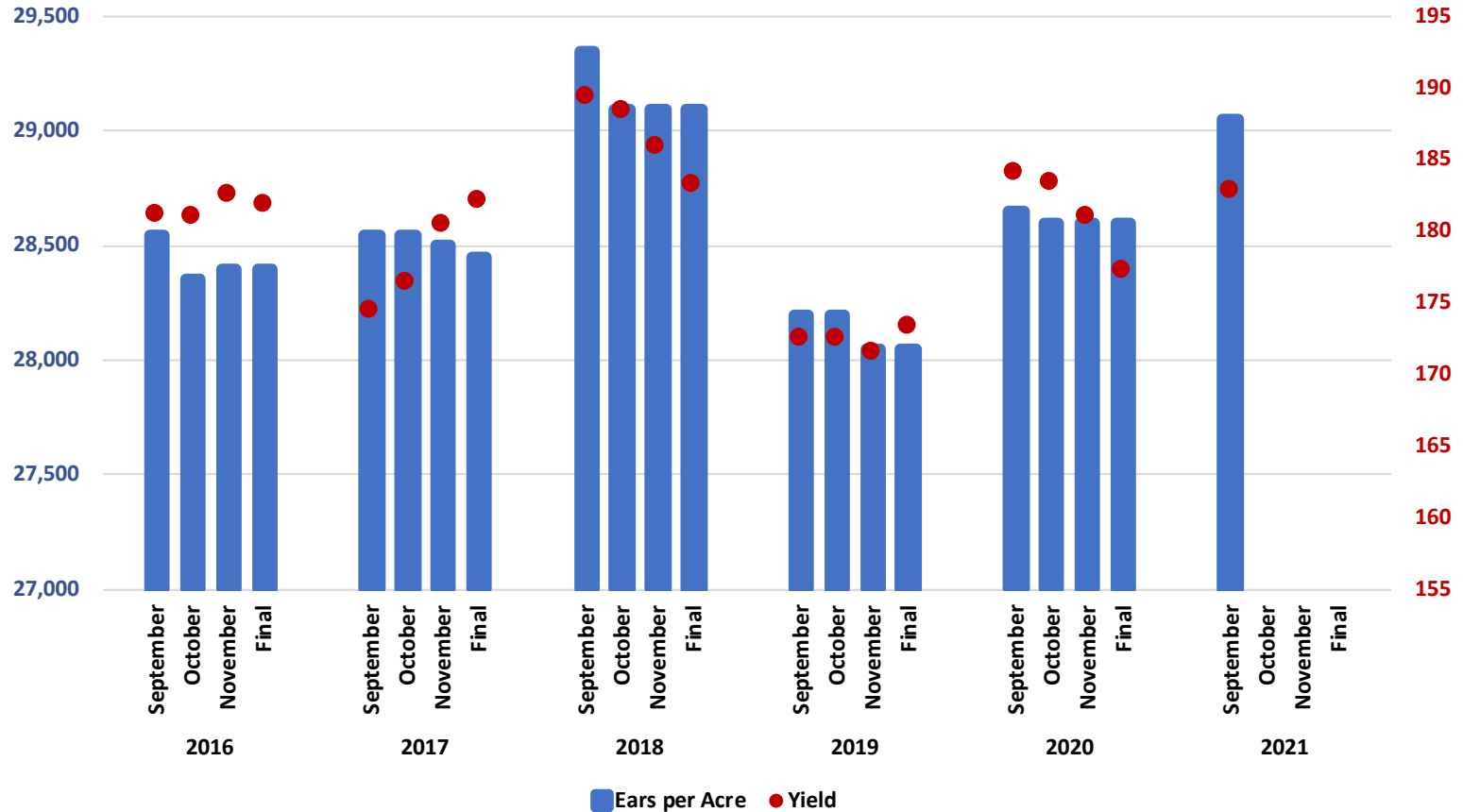


# September 2021 Corn Objective Yield

## Ears per Acre and Yield for 10 State Region

Ears per Acre

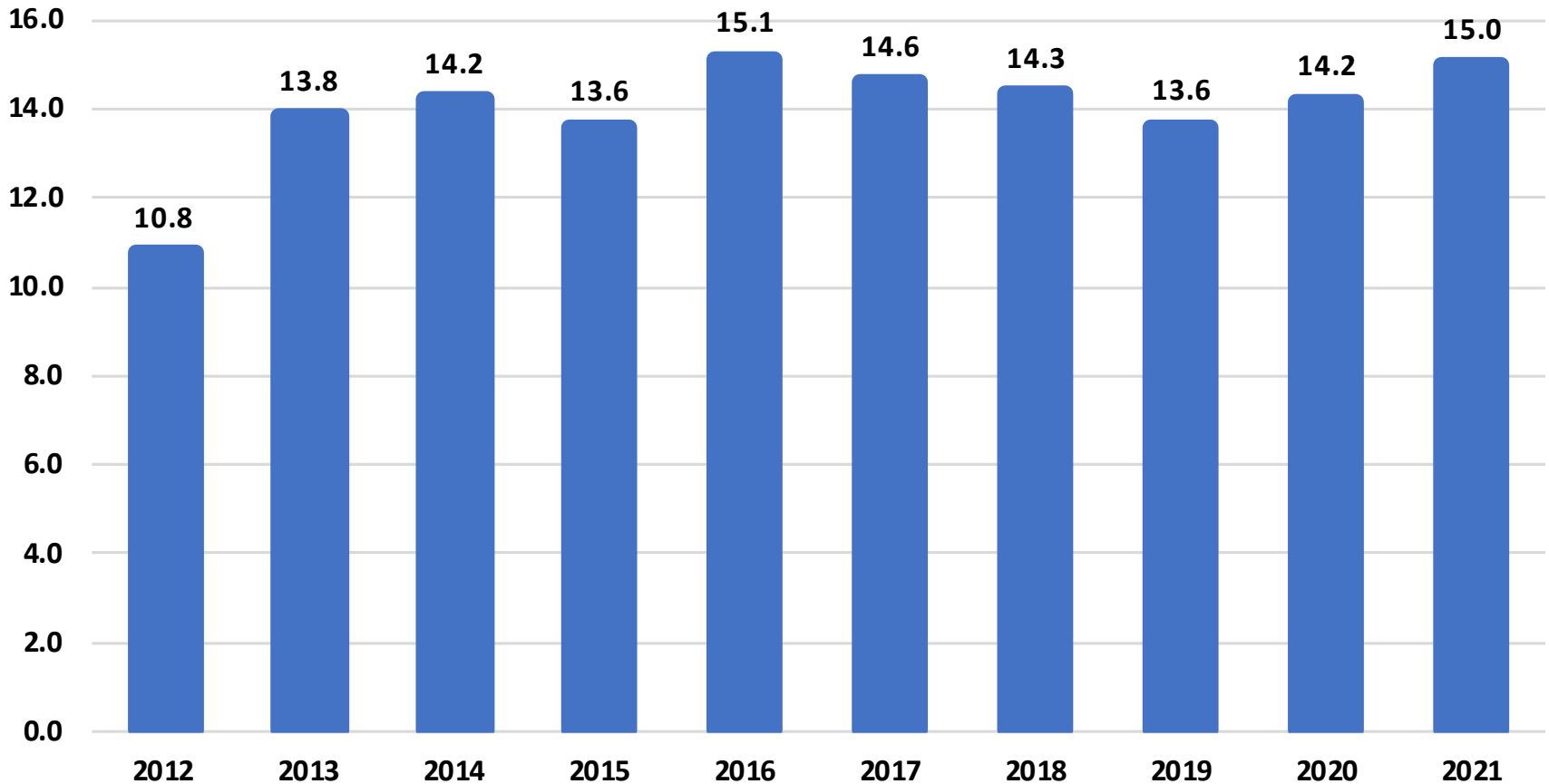
Bushels per Acre



# Corn Production

## United States

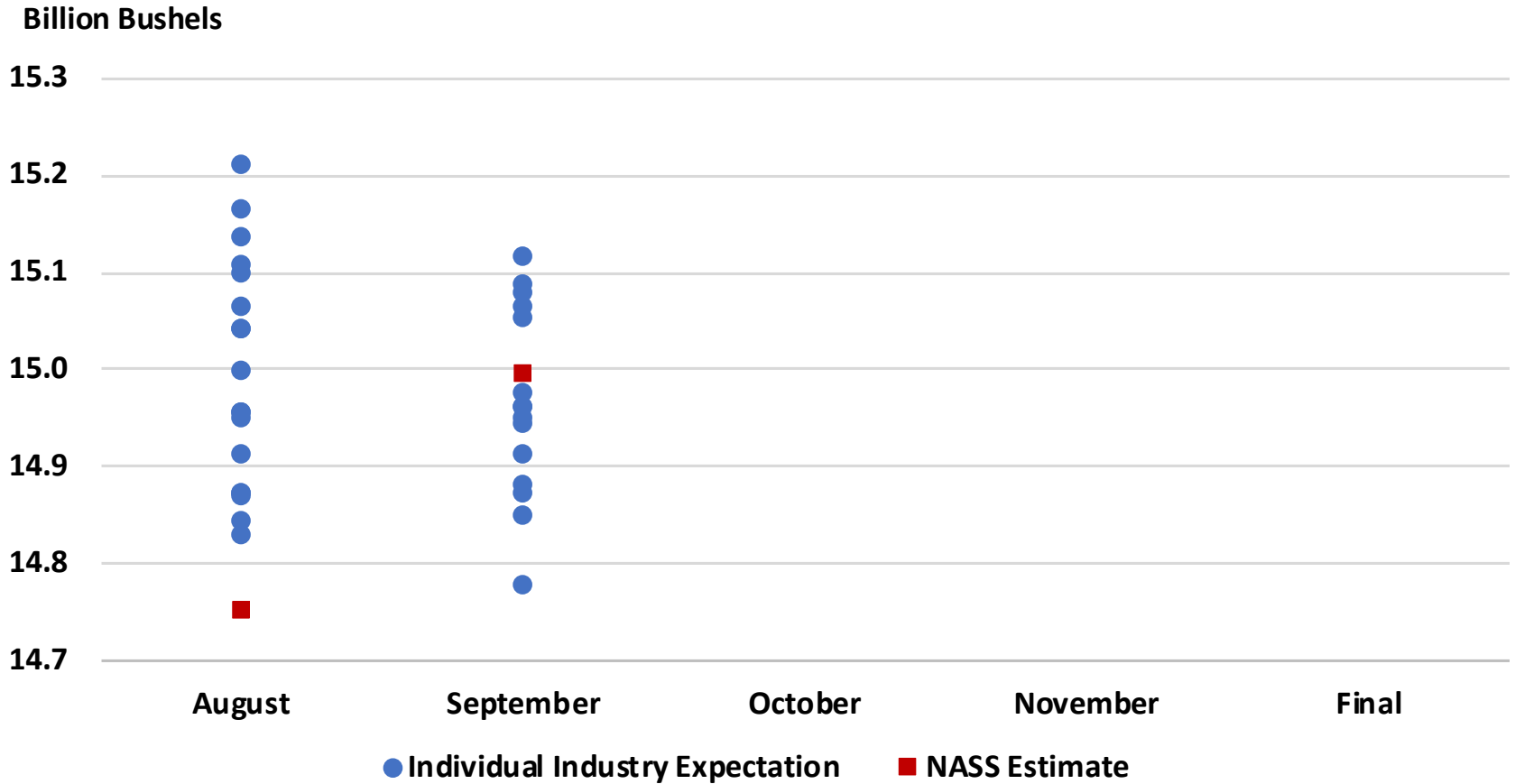
Billion Bushels





# 2021 U.S. Corn Production

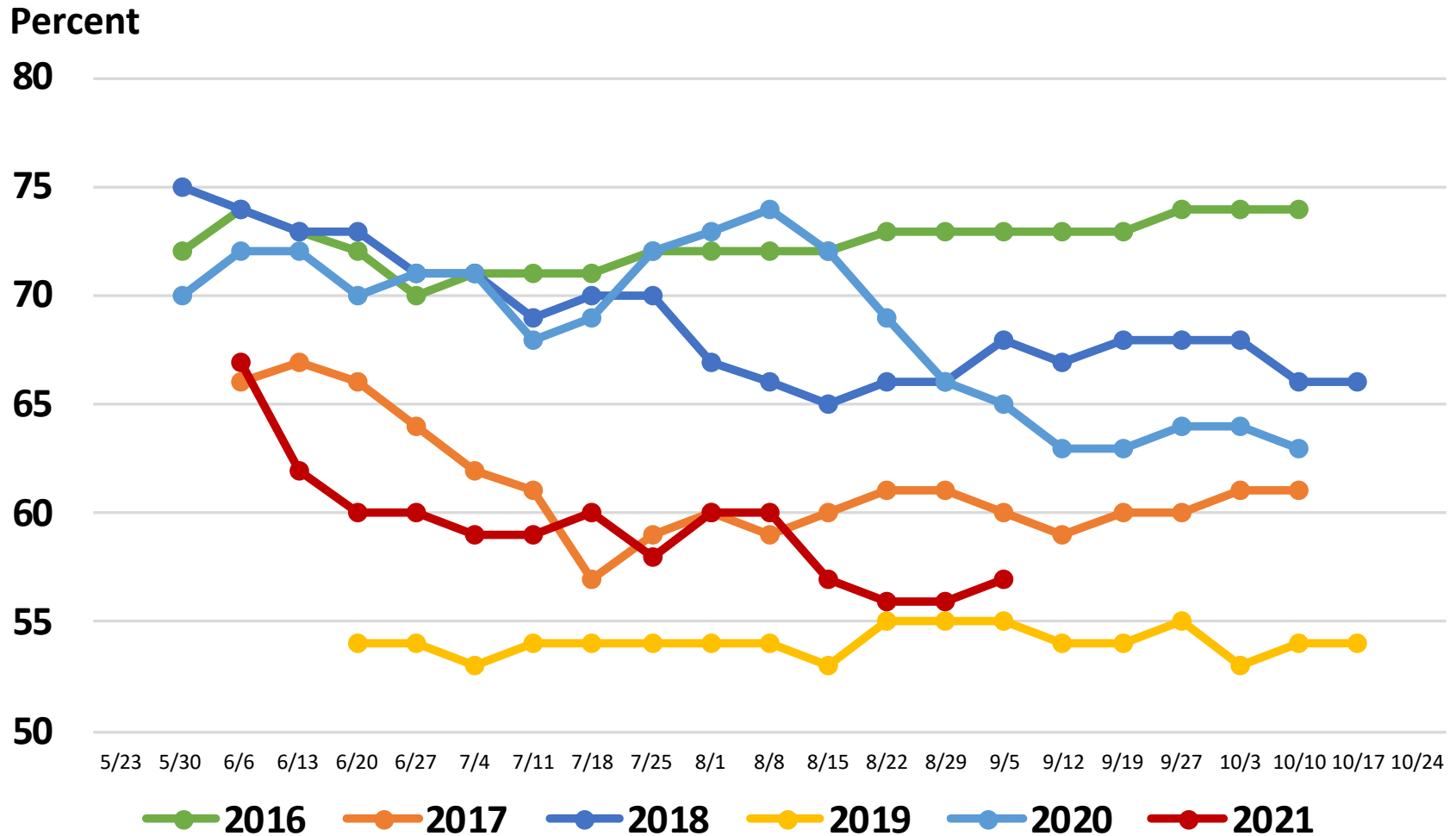
## Industry Expectations vs NASS





# United States Soybean Condition

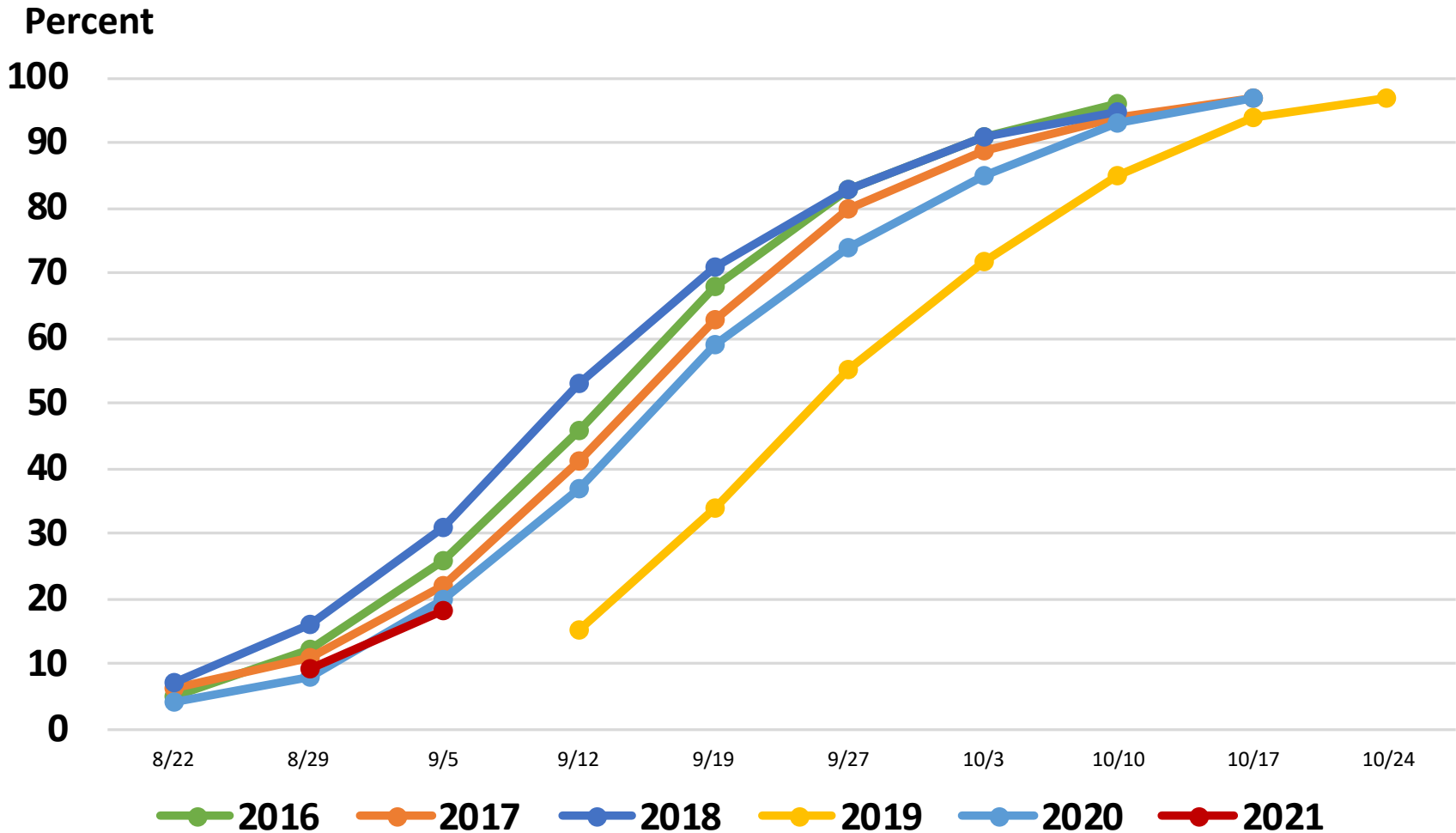
## Percent Rated Good to Excellent





# United States Soybean Progress

## Percent Dropping Leaves







# September 2021 Soybeans

## Acreage, Yield, and Production

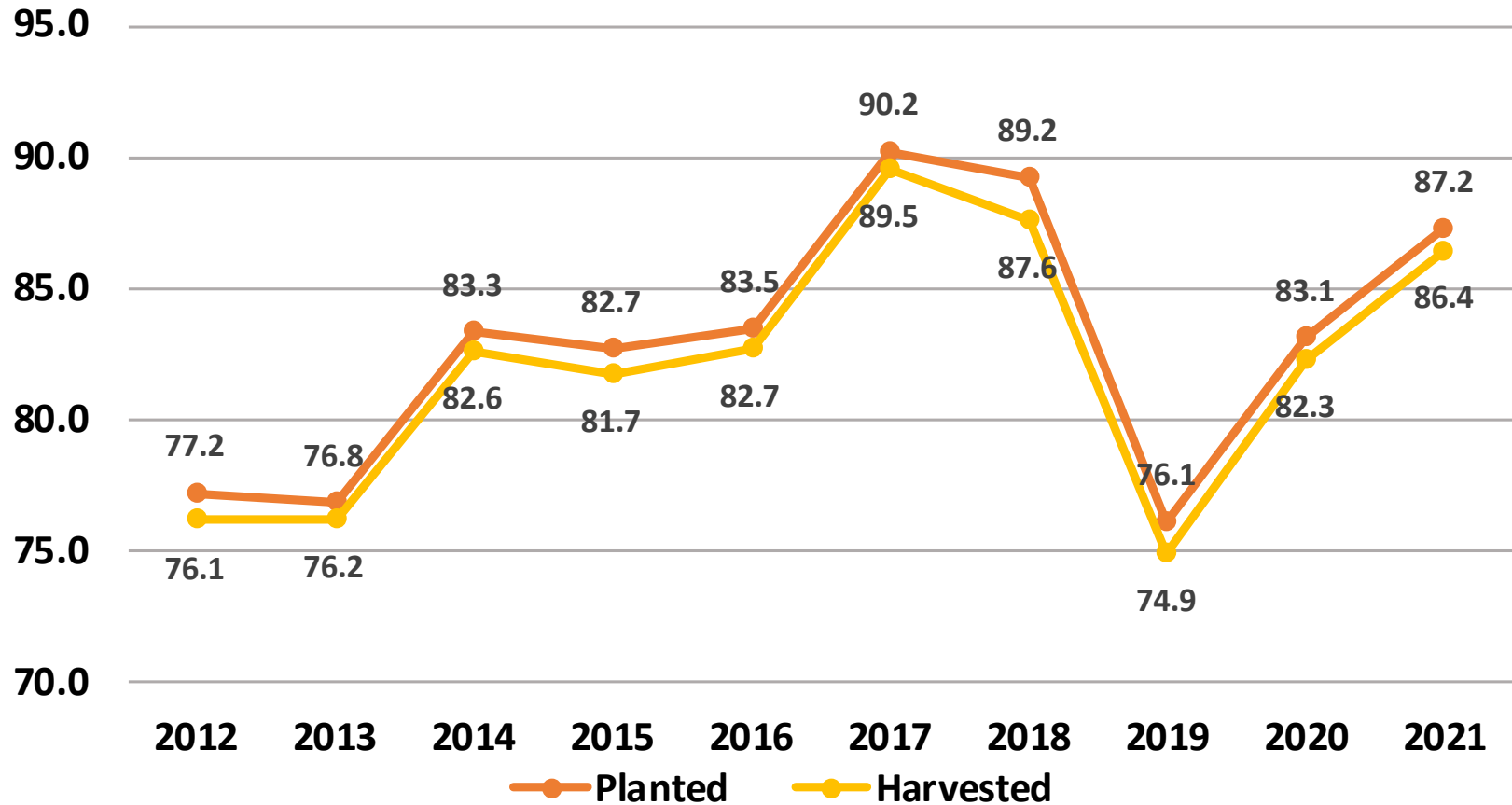
	Planted (1,000 Acres)	Harvested (1,000 Acres)	Yield (Bushels/Acre)	Production (1,000 Bushels)
<b>United States</b>	<b>87,235</b>	<b>86,436</b>	<b>50.6</b>	<b>4,373,927</b>
% Change from Previous Estimate	↓ 0.4	↓ 0.3	↑ 1.2	↑ 0.8
% Change from Previous Season	↑ 5.0	↑ 5.0	↑ 0.8	↑ 5.8

	Top 5 States - By Production							
	Planted (1,000 Acres)		Harvested (1,000 Acres)		Yield (Bushels/Acre)		Production (1,000 Bushels)	
		% Δ PY		% Δ PY		% Δ PY		% Δ PY
Illinois	10,600	↑ 2.9	10,550	↑ 2.9	64.0	↑ 8.5	675,200	↑ 11.6
Iowa	10,100	↑ 7.4	10,020	↑ 7.5	59.0	↑ 11.3	591,180	↑ 19.7
Minnesota	7,700	↑ 4.1	7,630	↑ 4.1	47.0	↓ 4.1	358,610	↓ 0.2
Indiana	5,700	NC	5,690	↑ 0.2	60.0	↑ 3.4	341,400	↑ 3.6
Nebraska	5,600	↑ 7.7	5,550	↑ 7.6	59.0	↑ 3.5	327,450	↑ 11.3

# Soybean Acres

## United States

Million Acres



# Soybean Yield

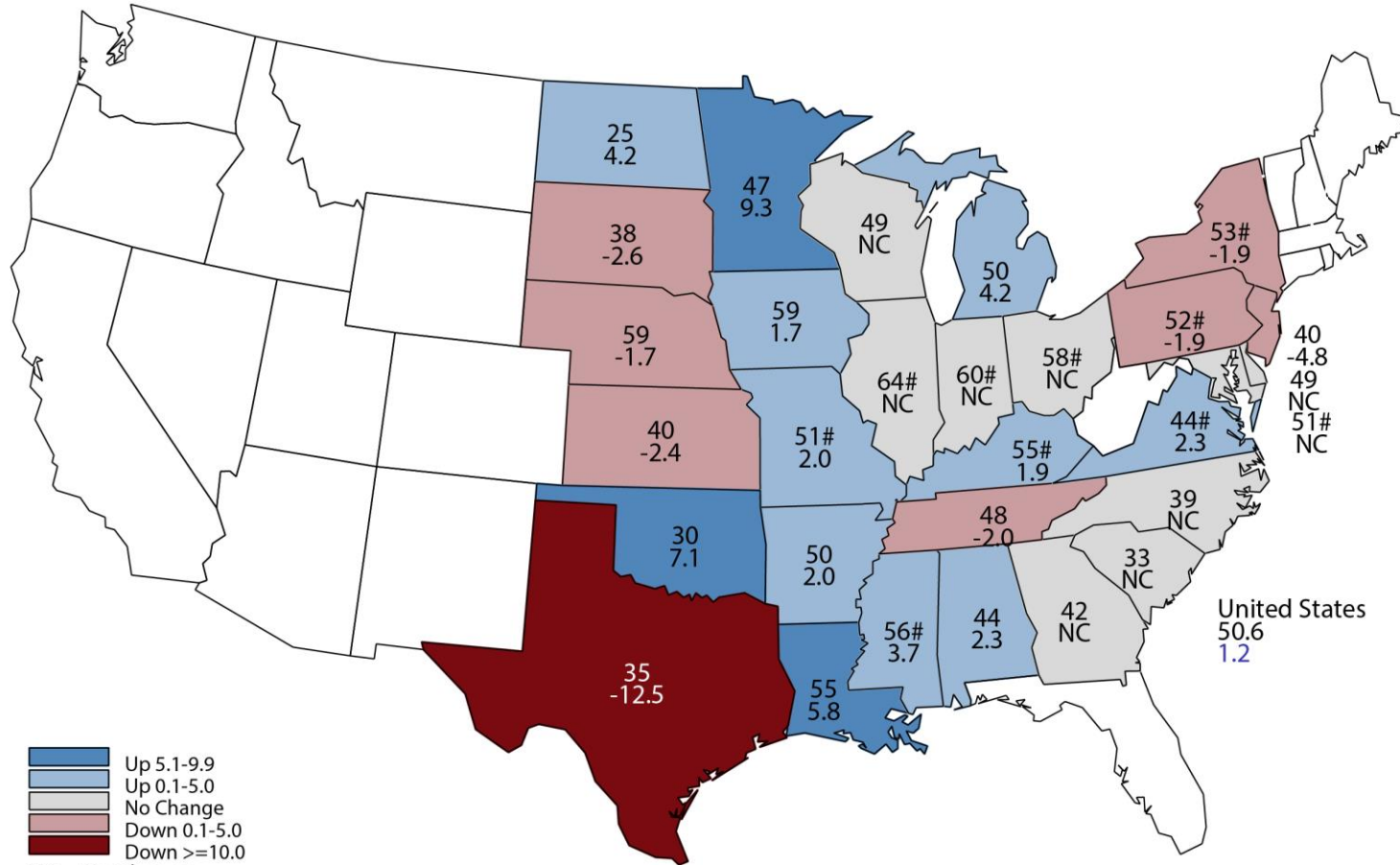
## United States

Bushels per Acre



# September 2021 Soybean Yield

## Bushels and Percent Change from Previous Month

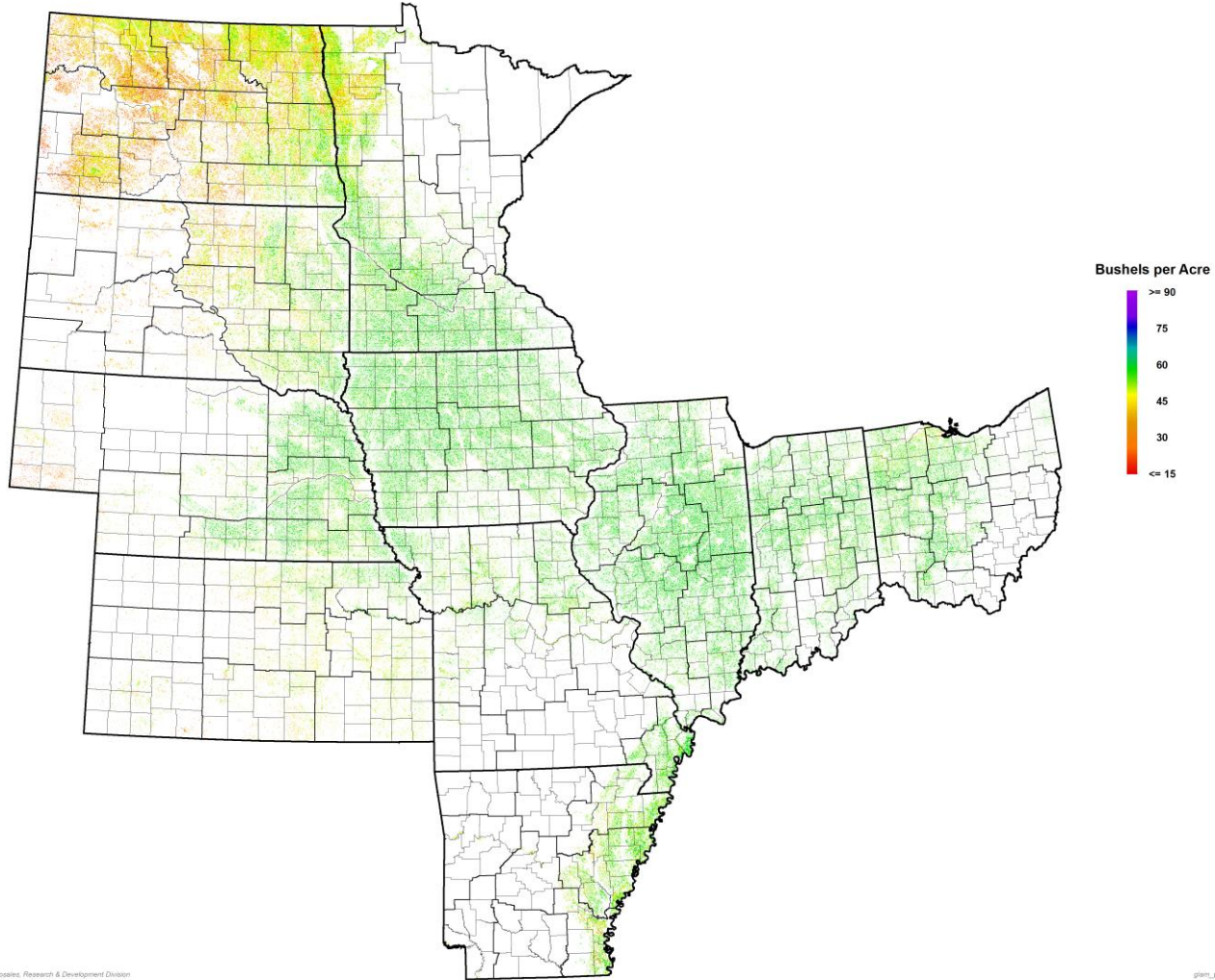


■ Up 5.1-9.9  
■ Up 0.1-5.0  
■ No Change  
■ Down 0.1-5.0  
■ Down >=10.0

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

# September 2021 Soybeans

## NASA Terra MODIS Modeled Yield



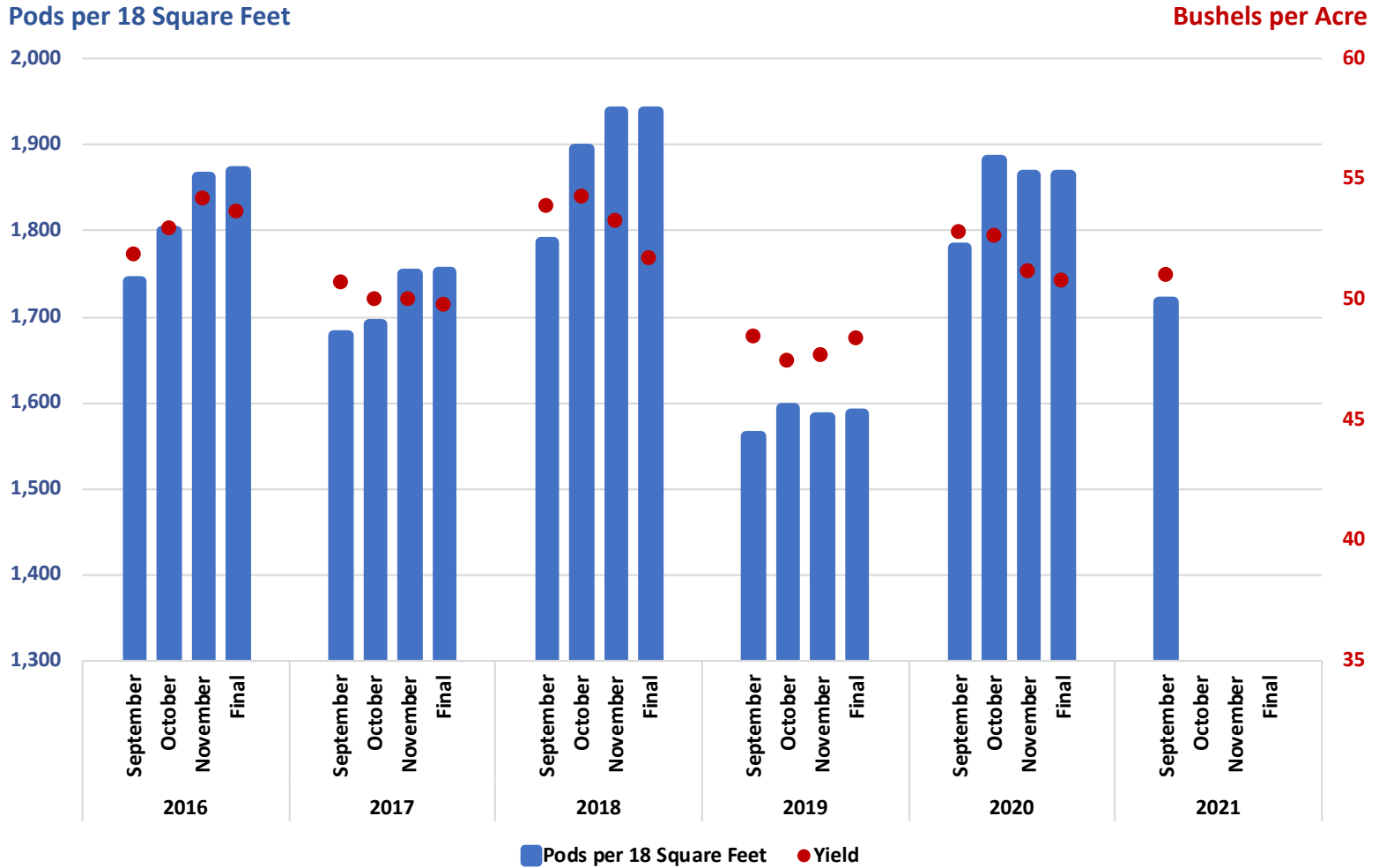
David M. Johnson & Arthur Roseau, Research & Development Division

gpm\_yield\_233max\_2002-20\_2021\_soy\_no\_hgms\_9/2/2021



# September 2021 Soybean Objective Yield

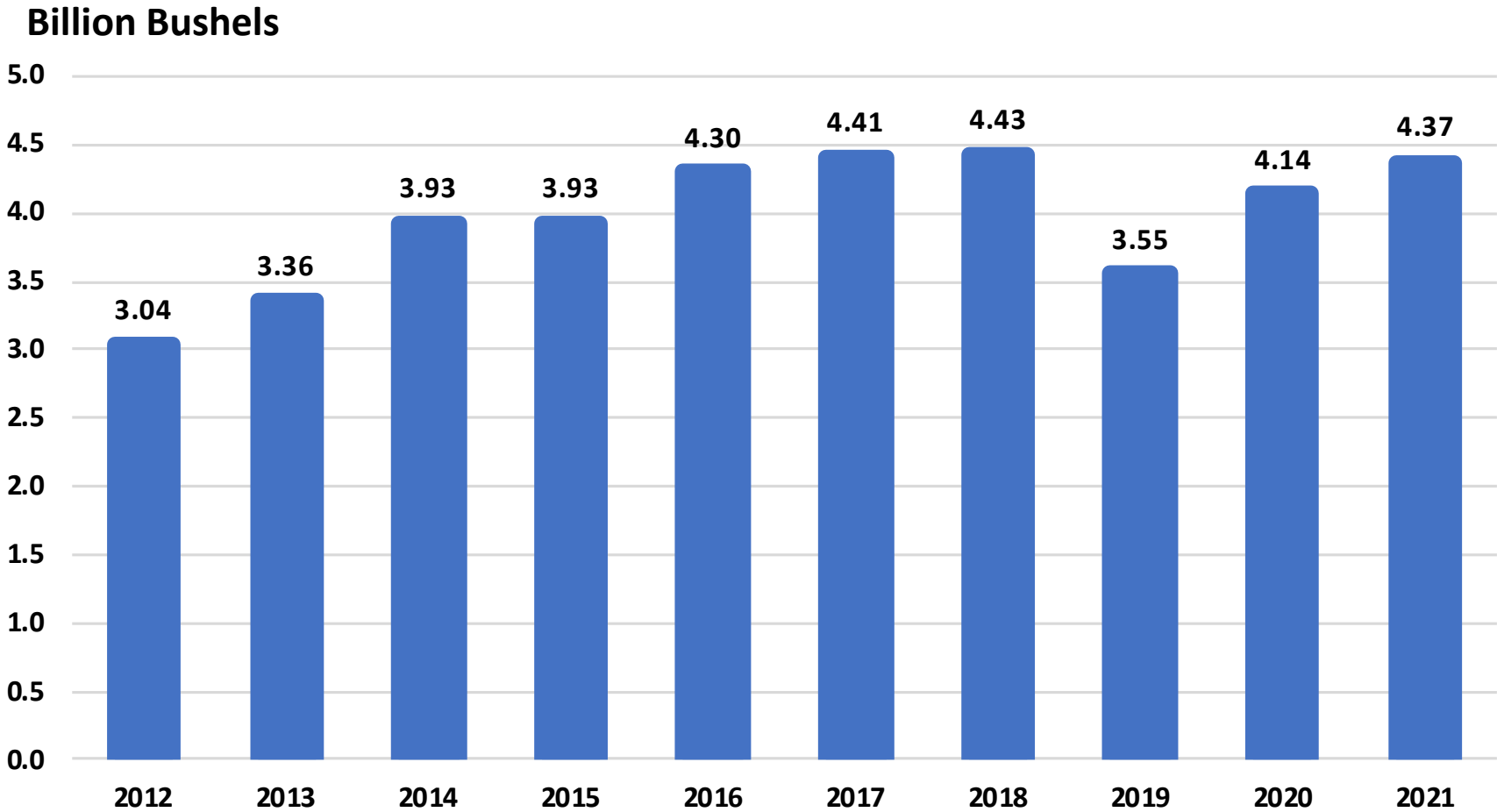
## Pods per 18 Square Feet and Yield for 11 State Region





# Soybean Production

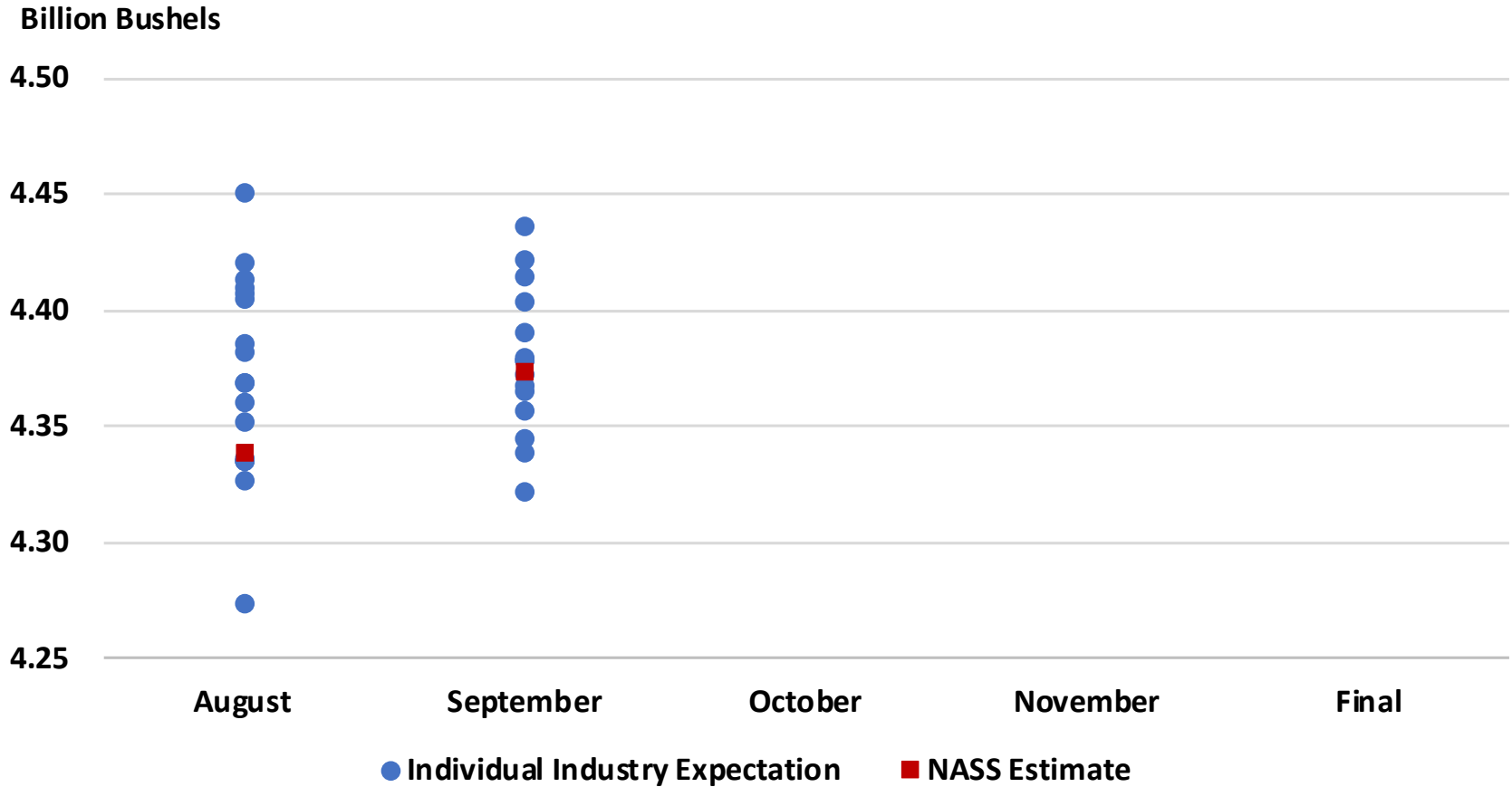
## United States





# 2021 U.S. Soybean Production

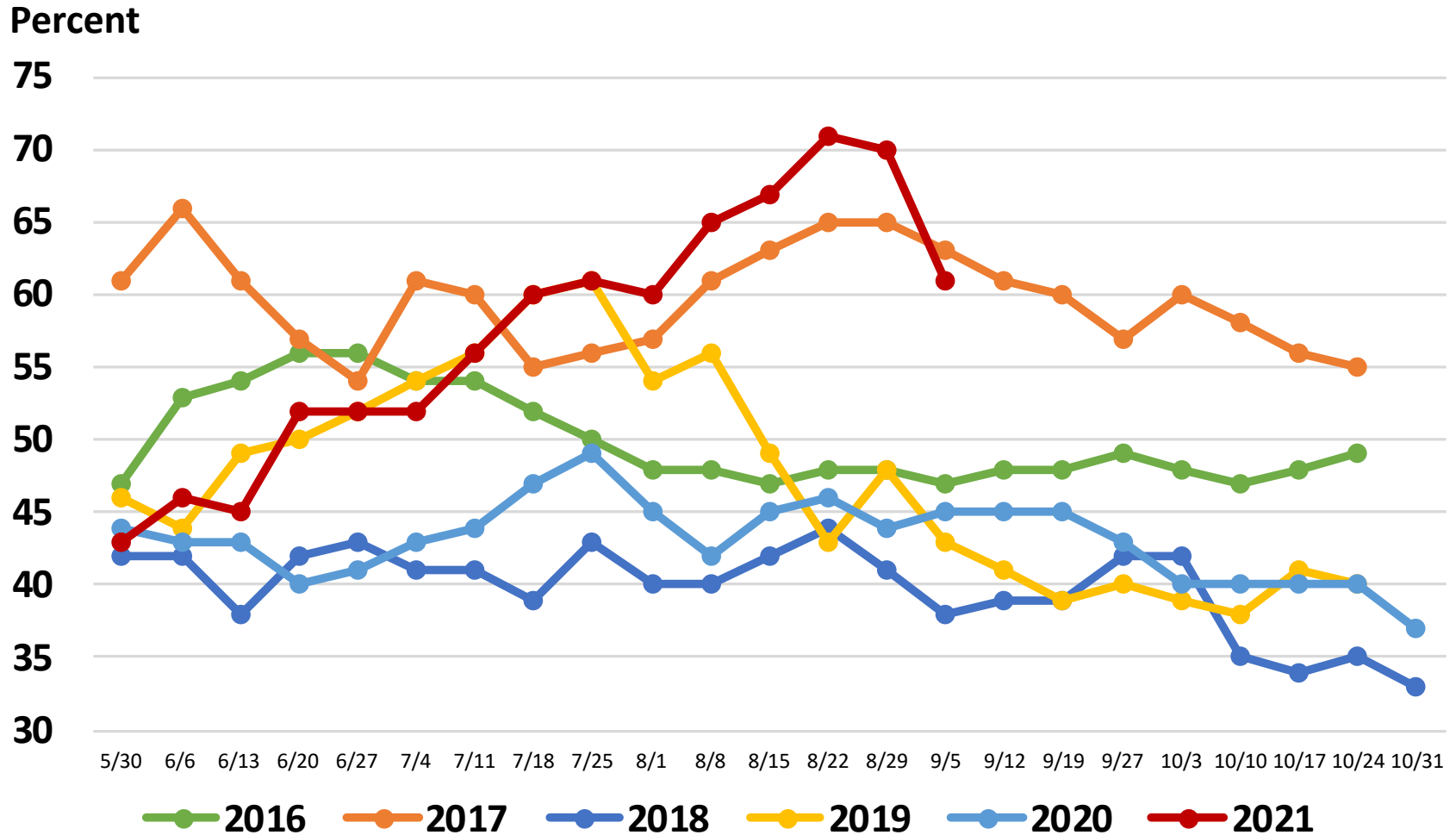
## Industry Expectations vs NASS





# United States Cotton Condition

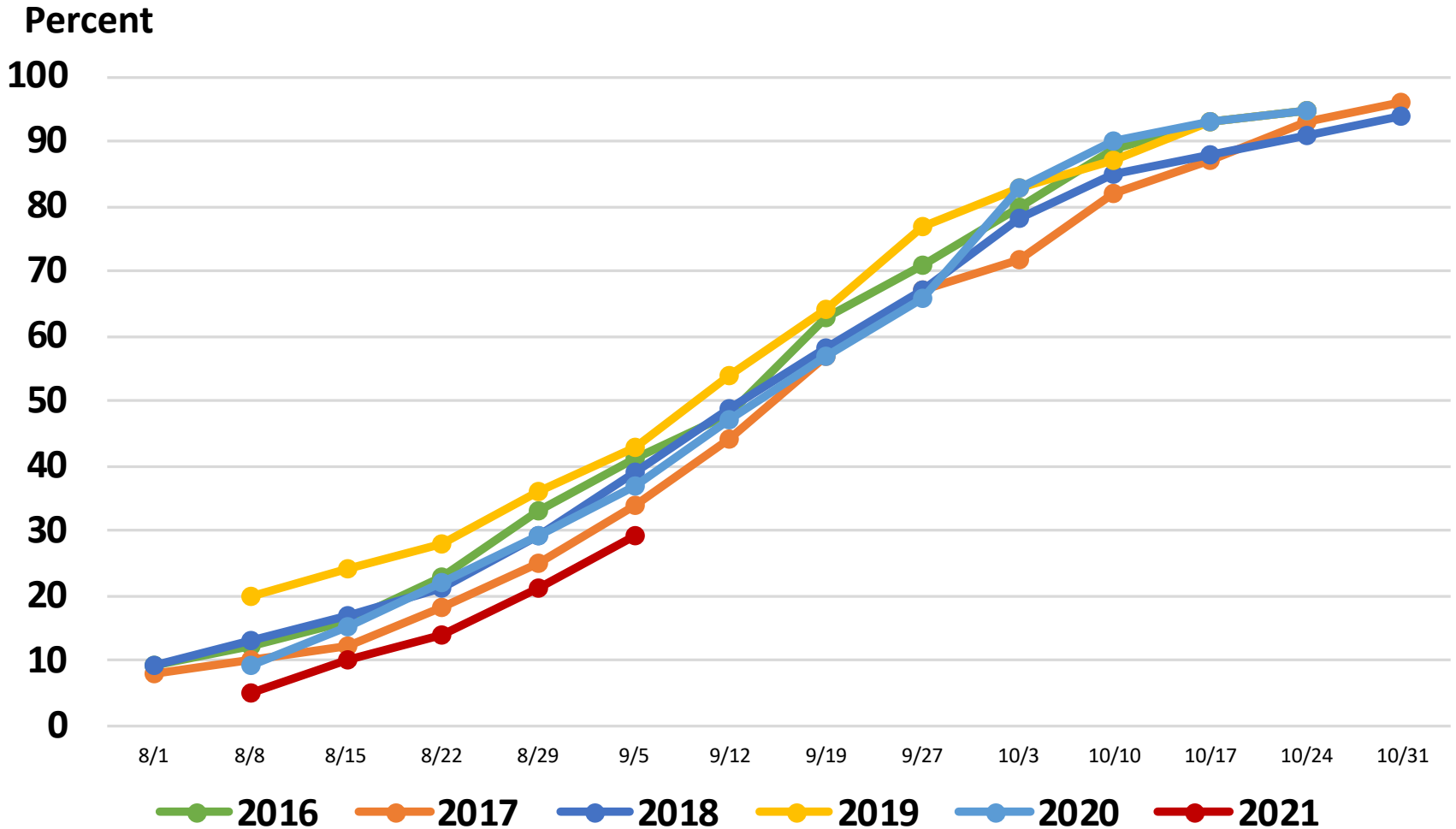
## Percent Rated Good to Excellent





# United States Cotton Progress

## Percent Bolls Opening





# September 2021 Cotton Acreage, Yield, and Production

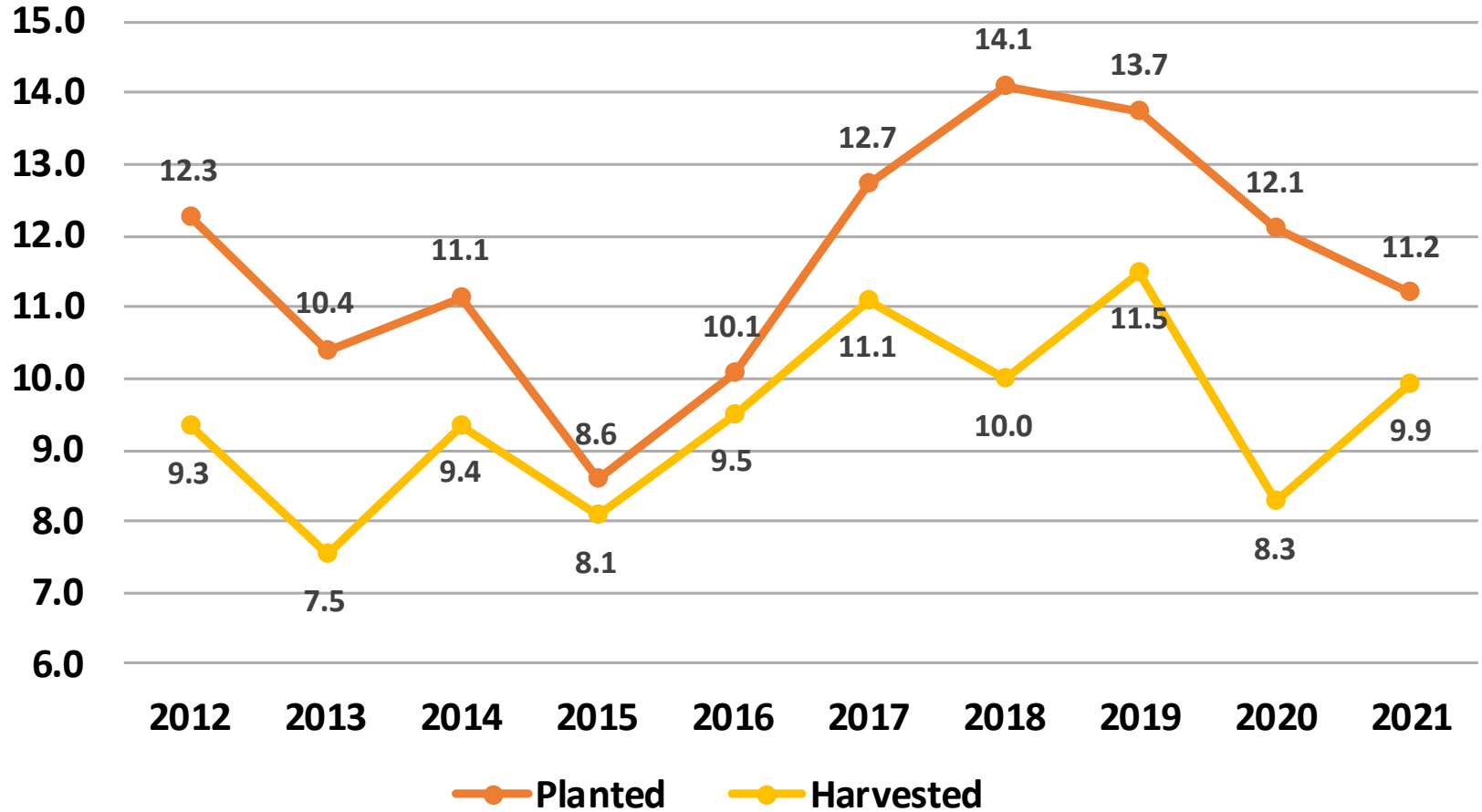
	Planted (1,000 Acres)	Harvested (1,000 Acres)	Yield (Pounds/Acre)	Production (1,000 Bales)
<b>United States</b>	<b>11,191</b>	<b>9,922</b>	<b>895</b>	<b>18,509</b>
% Change from Previous Estimate	↓ 4.5	↓ 4.2	↑ 11.9	↑ 7.2
% Change from Previous Season	↓ 7.5	↑ 19.9	↑ 5.7	↑ 26.7

	Top 5 States - By Production							
	Planted (1,000 Acres)		Harvested (1,000 Acres)		Yield (Pounds/Acre)		Production (1,000 Bales)	
		% Δ PY		% Δ PY		% Δ PY		% Δ PY
Texas	6,367	↓ 6.9	5,266	↑ 63.0	787.0	↑ 14.9	8,630	↑ 87.1
Georgia	1,170	↓ 1.7	1,160	↓ 1.7	910.0	↑ 2.6	2,200	↑ 0.9
Arkansas	475	↓ 9.5	470	↓ 9.6	1,174.0	↓ 0.4	1,150	↓ 9.9
Mississippi	445	↓ 16.0	430	↓ 18.1	1,150.0	↑ 6.6	1,030	↓ 12.7
Missouri	315	↑ 6.8	310	↑ 8.0	1,316.0	↑ 15.0	850	↑ 24.3

# Cotton Acres

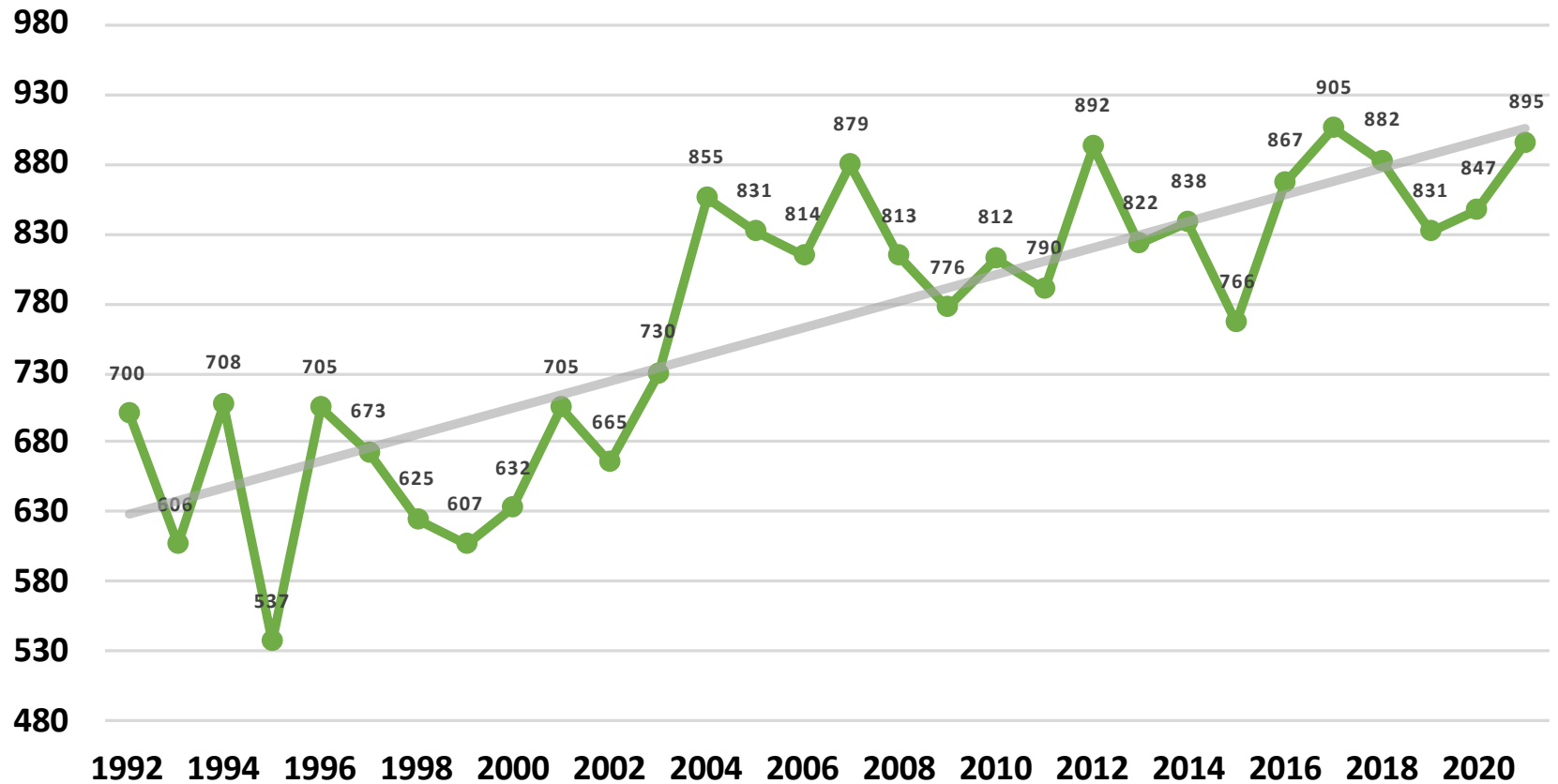
## United States

Million Acres



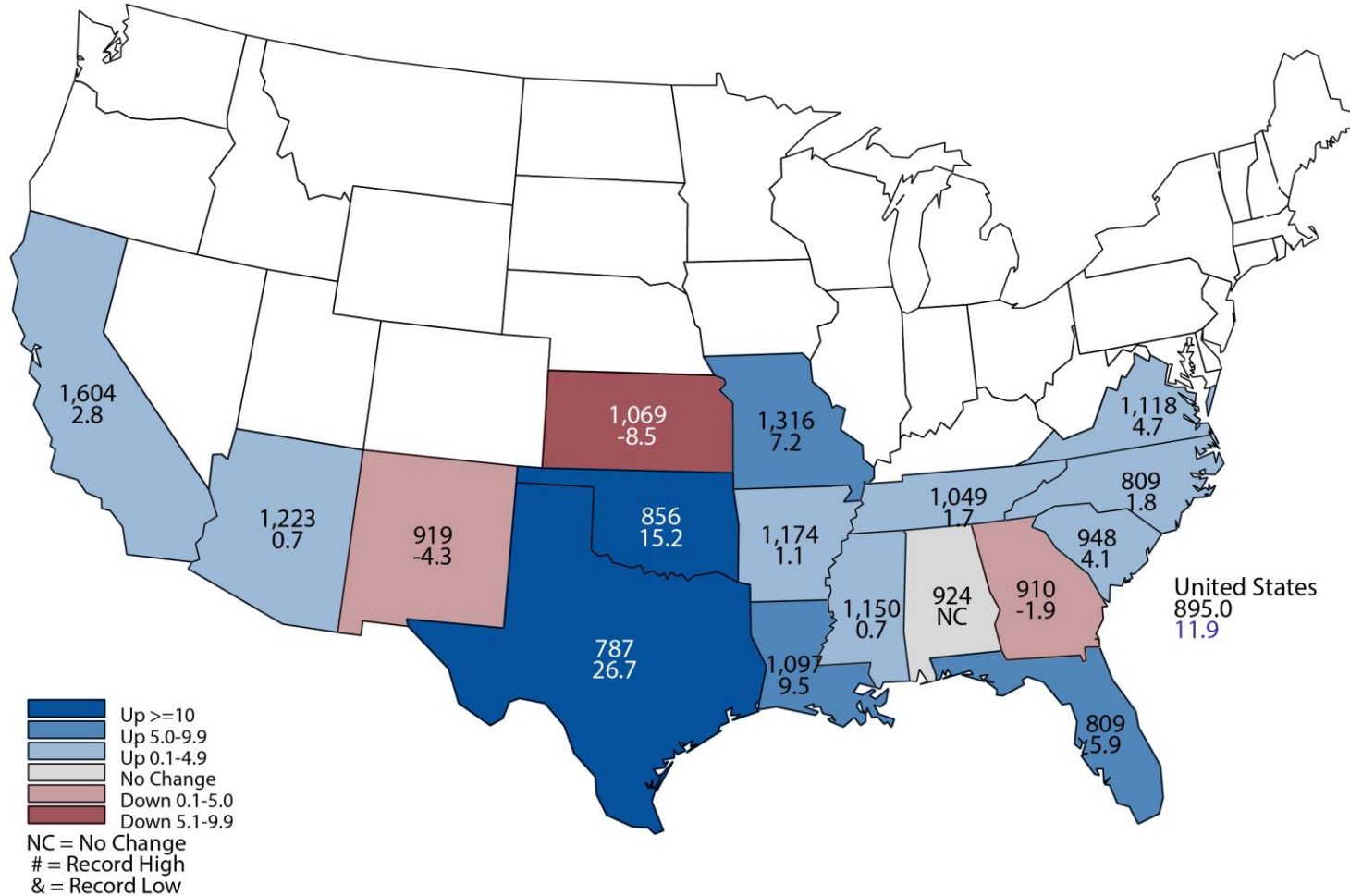
# Cotton Yield United States

Pounds per Acre



# September 2021 Cotton Yield

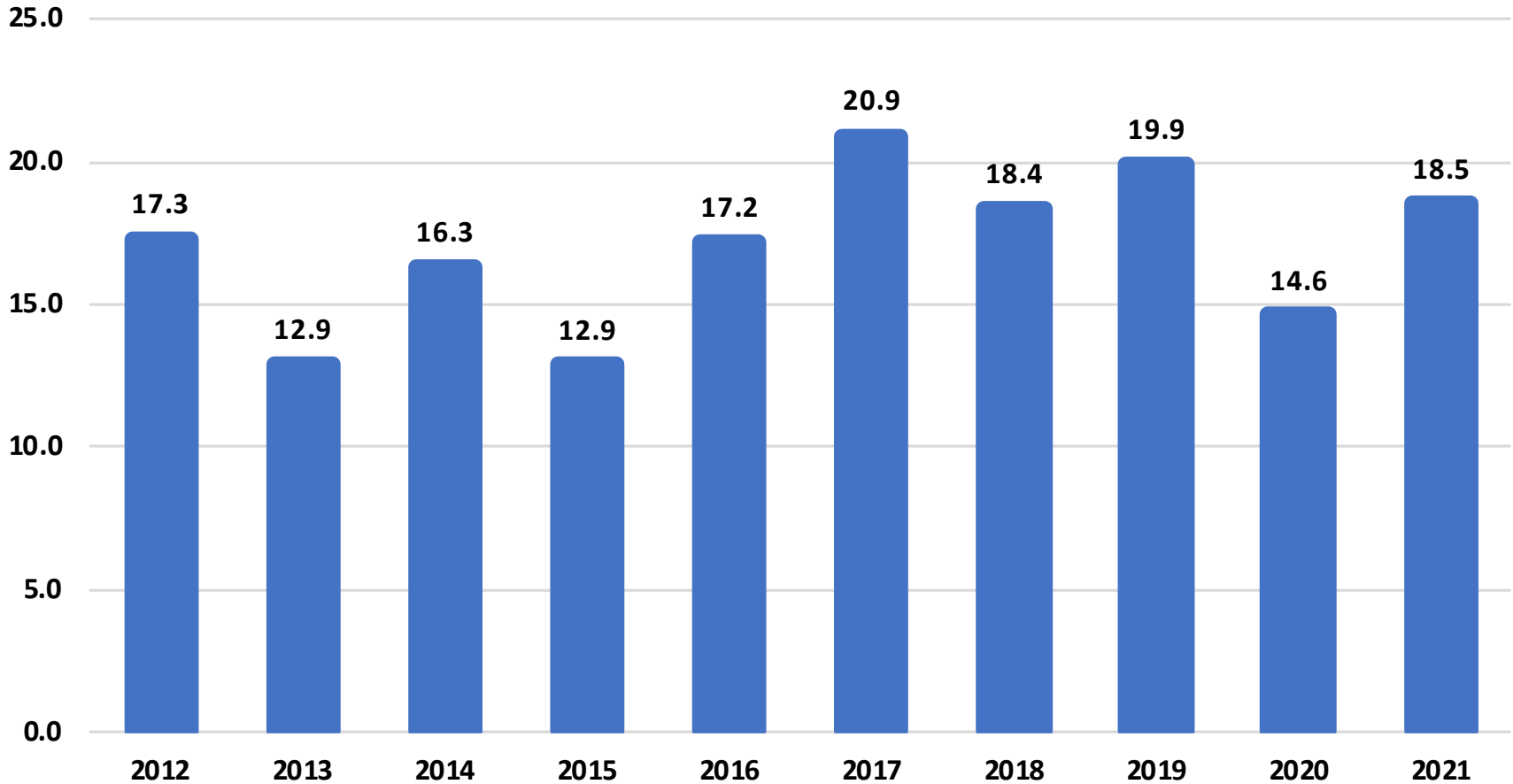
## Pounds and Percent Change from Previous Month



# Cotton Production

## United States

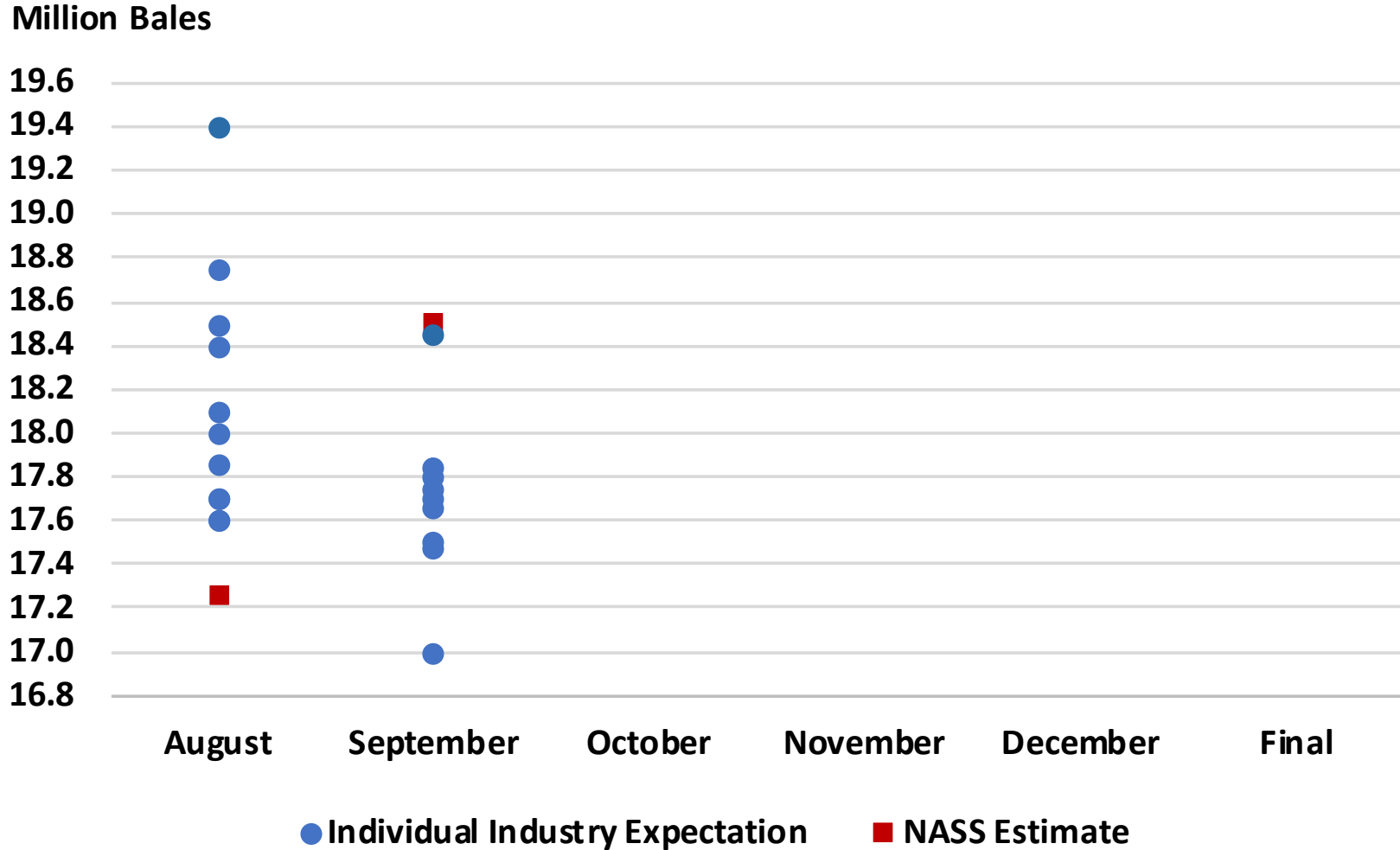
Million Bales





# 2021 U.S. Cotton Production

## Industry Expectations vs NASS







# September 2021 Sorghum Acreage, Yield, and Production

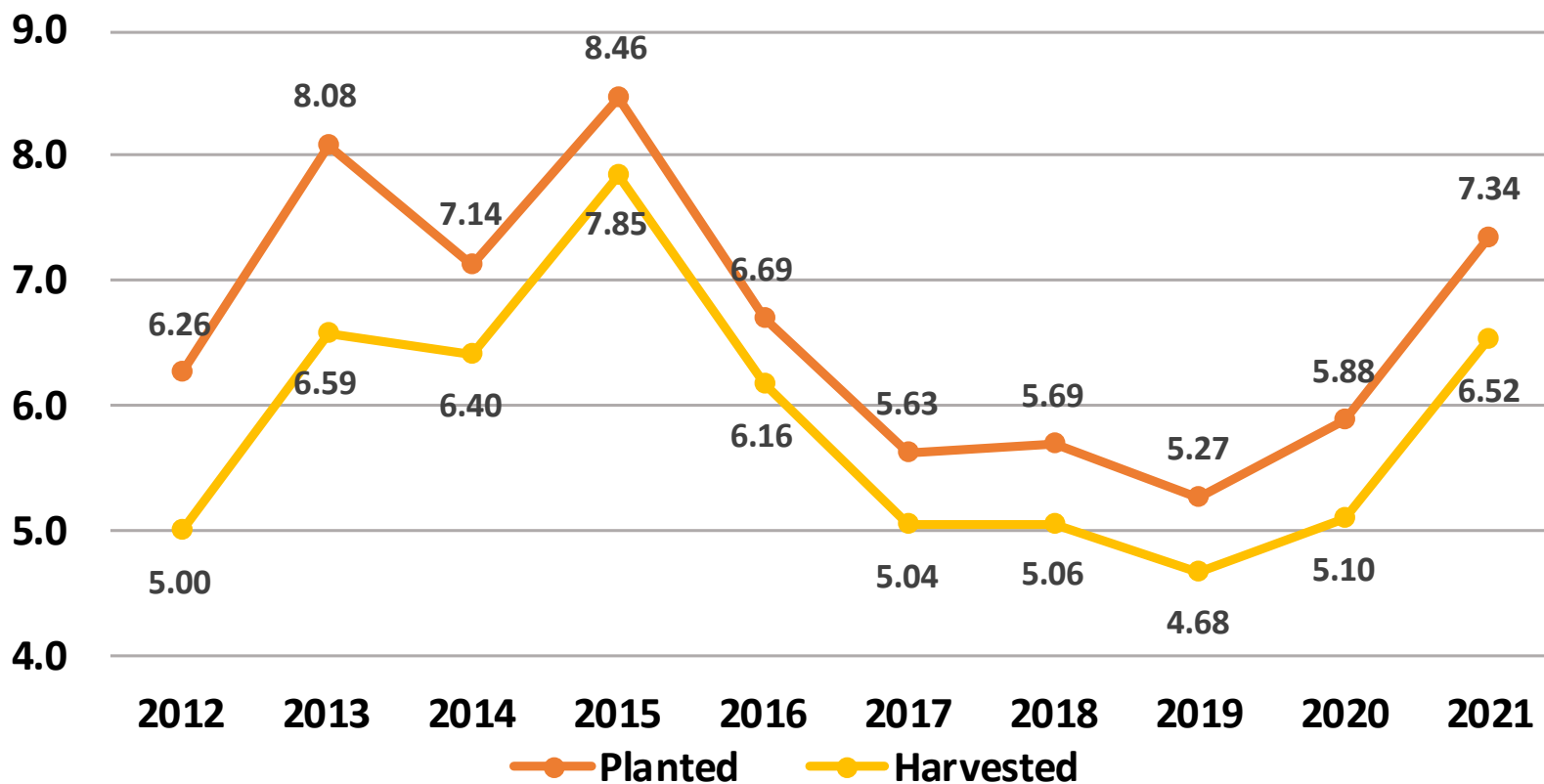
	Planted (1,000 Acres)	Harvested (1,000 Acres)	Yield (Bushels/Acre)	Production (1,000 Bushels)
<b>United States</b>	<b>7,340</b>	<b>6,520</b>	<b>69.7</b>	<b>454,285</b>
% Change from Previous Estimate	↑ 13.1	↑ 12.7	↓ 1.6	↑ 11.0
% Change from Previous Season	↑ 24.8	↑ 28.0	↓ 4.8	↑ 21.8

	Top 5 States - By Production							
	Planted (1,000 Acres)		Harvested (1,000 Acres)		Yield (Bushels/Acre)		Production (1,000 Bushels)	
		% Δ PY		% Δ PY		% Δ PY		% Δ PY
Kansas	3,600	↑ 20.0	3,350	↑ 19.6	75.0	↓ 11.8	251,250	↑ 5.6
Texas	2,150	↑ 19.4	1,830	↑ 22.0	66.0	↑ 4.8	120,780	↑ 27.8
Nebraska	320	↑ 64.1	265	↑ 76.7	84.0	↓ 7.7	22,260	↑ 63.1
Colorado	500	↑ 35.1	435	↑ 70.6	48.0	↑ 140.0	20,880	↑ 309.4
Oklahoma	430	↑ 41.0	355	↑ 54.3	58.0	↑ 28.9	20,590	↑ 98.9

# Sorghum Acres

## United States

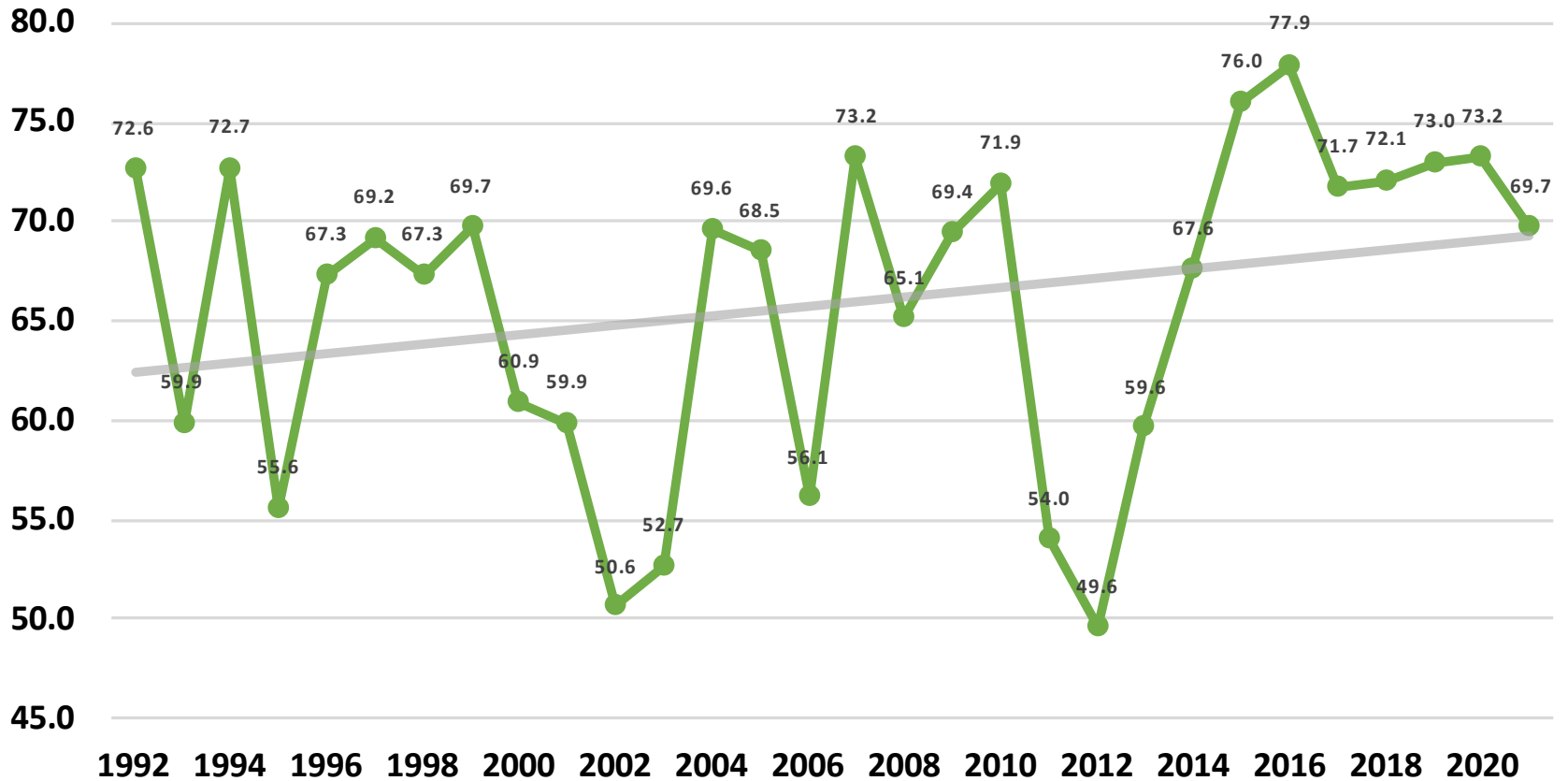
Million Acres



# Sorghum Yield

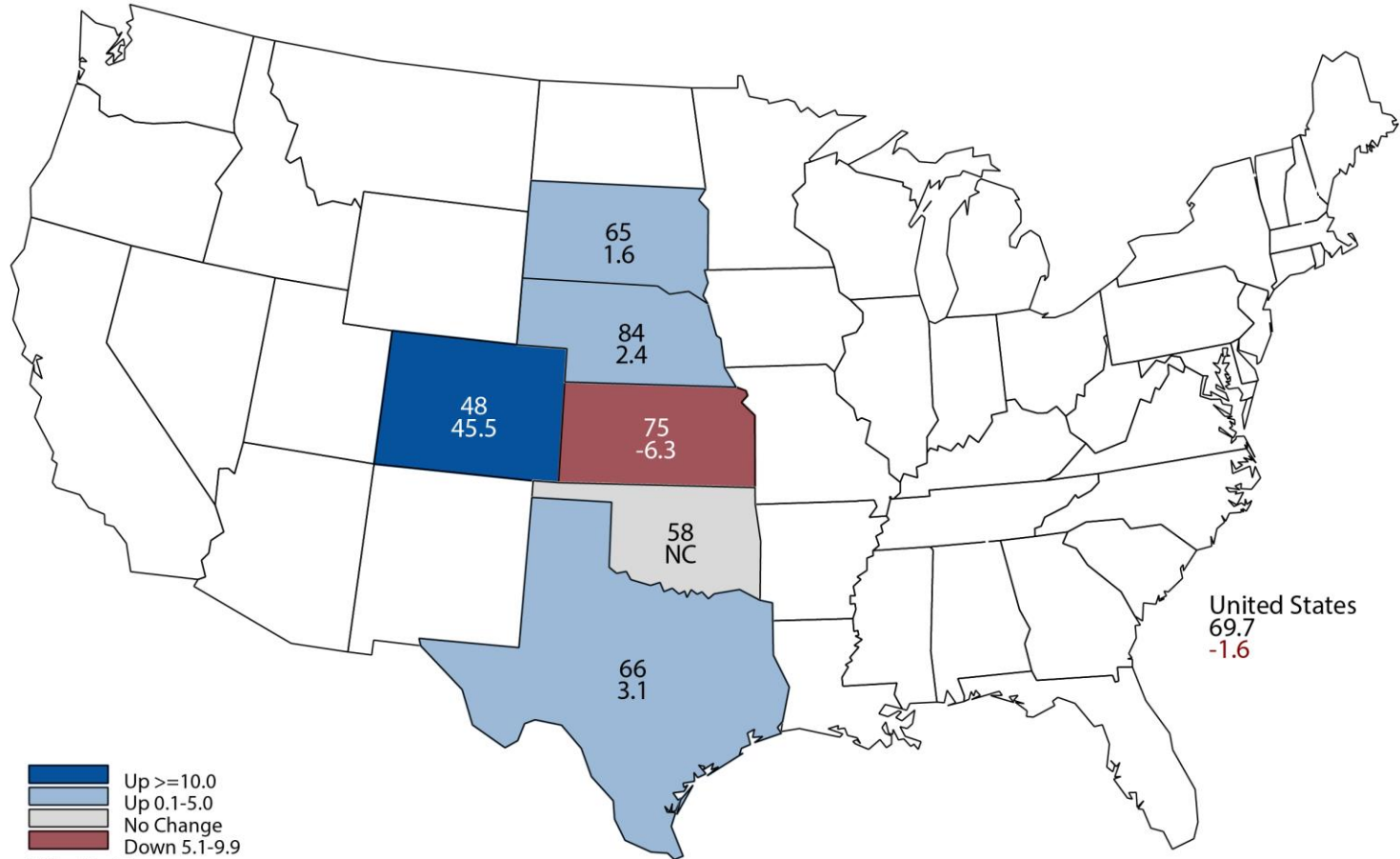
## United States

Bushels per Acre



# September 2021 Sorghum Yield

## Bushels and Percent Change from Previous Month

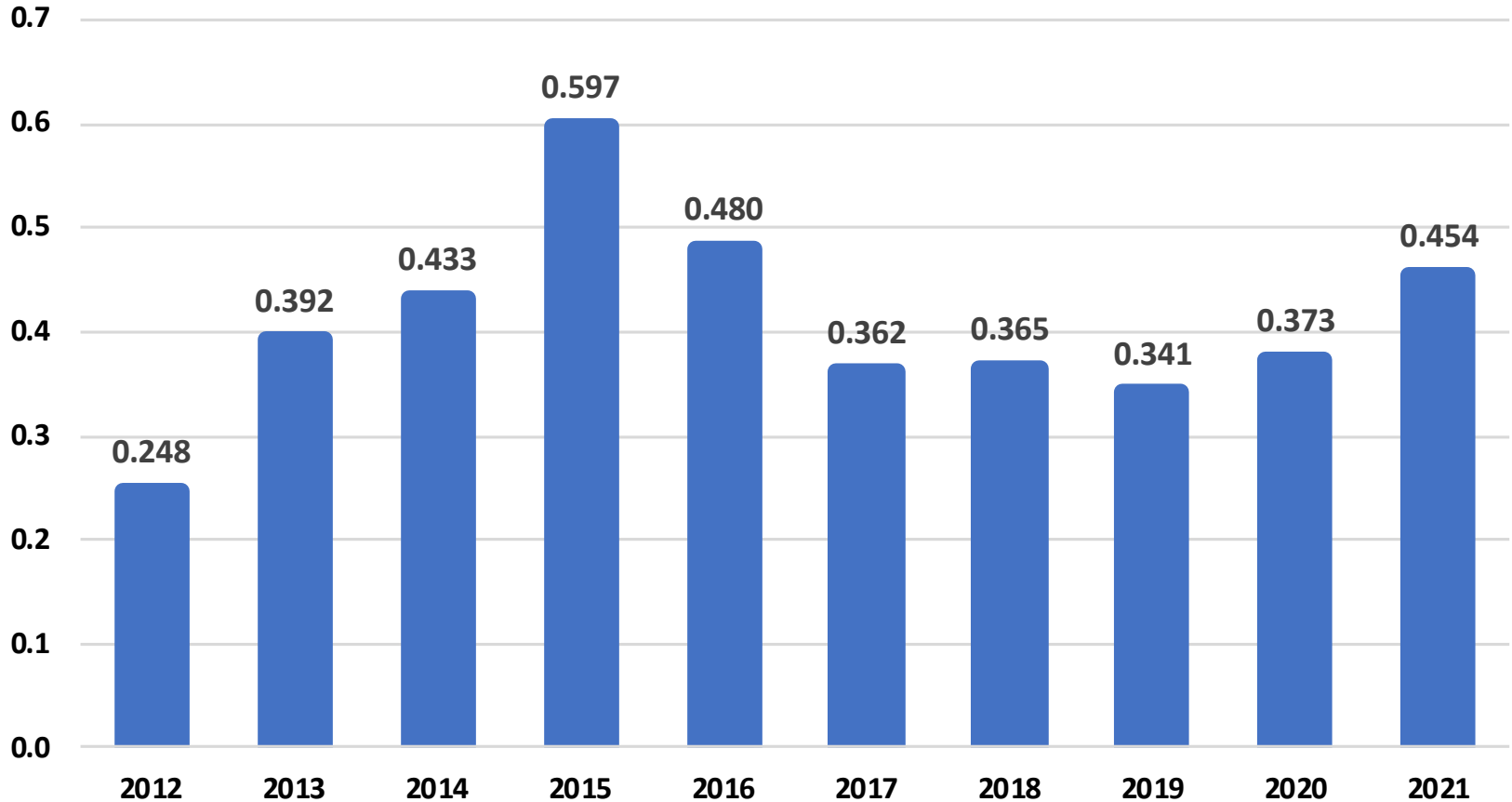


Up  $\geq 10.0$   
 Up 0.1-5.0  
 No Change  
 Down 5.1-9.9  
 NC = No Change  
 # = Record High  
 & = Record Low

# Sorghum Production

## United States

Billion Bushels





# September 2021 Field Crops

## Acreage, Yield, and Production

	Planted (1,000 Acres)	Harvested (1,000 Acres)	Yield (Units per Acre)	Unit	Production (1,000 Units)	Unit
<b>Chickpeas</b>	<b>376</b>	<b>368</b>	<b>825</b>	<b>Lb</b>	<b>3,033</b>	<b>Cwt</b>
% Change from Previous Estimate	↑ 10.4	↑ 9.9	N/A		N/A	
% Change from Previous Season	↑ 39.5	↑ 39.8	↓ 49.2		↓ 29.0	
<b>Dry Edible Peas</b>	<b>970</b>	<b>919</b>	<b>1,322</b>	<b>Lb</b>	<b>12,150</b>	<b>Cwt</b>
% Change from Previous Estimate	↑ 3.7	↑ 3.6	N/A		N/A	
% Change from Previous Season	↓ 2.9	↓ 5.5	↓ 40.8		↓ 44.1	
<b>Lentils</b>	<b>711</b>	<b>667</b>	<b>763</b>	<b>Lb</b>	<b>5,090</b>	<b>Cwt</b>
% Change from Previous Estimate	↑ 21.5	↑ 22.2	N/A		N/A	
% Change from Previous Season	↑ 34.7	↑ 29.8	↓ 47.1		↓ 31.3	
<b>Peanuts</b>	<b>1,580</b>	<b>1,533</b>	<b>4,141</b>	<b>Lb</b>	<b>6,348,150</b>	<b>Lb</b>
% Change from Previous Estimate	↓ 3.2	↓ 3.4	↓ 1.0		↓ 4.3	
% Change from Previous Season	↓ 5.1	↓ 5.1	↑ 9.1		↑ 3.5	
<b>Rice</b>	<b>2,541</b>	<b>2,499</b>	<b>7,623</b>	<b>Lb</b>	<b>190,499</b>	<b>Cwt</b>
% Change from Previous Estimate	↓ 4.5	↓ 4.5	↑ 1.0		↓ 3.5	
% Change from Previous Season	↓ 16.3	↓ 16.3	↑ 0.1		↓ 16.3	



# September 2021 Field Crops

## Acreage, Yield, and Production

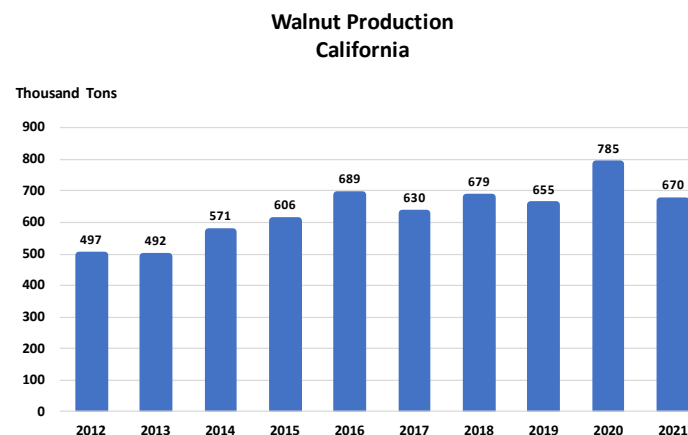
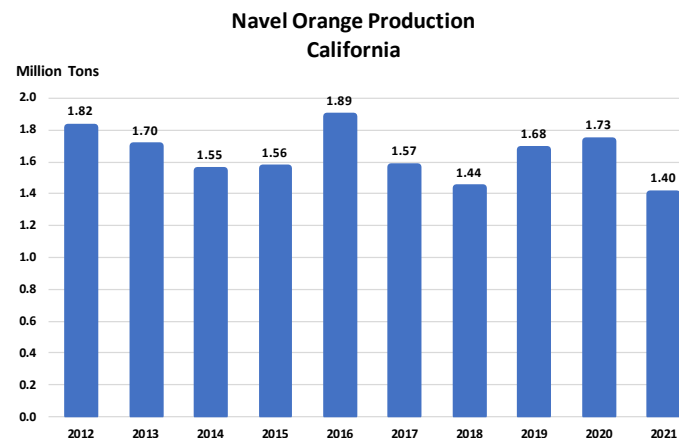
	Planted (1,000 Acres)	Harvested (1,000 Acres)	Yield (Units per Acre)	Unit	Production (1,000 Units)	Unit
<b>Sugarbeets</b>	<b>1,161</b>	<b>1,149</b>	<b>30.1</b>	<b>Ton</b>	<b>34,612</b>	<b>Ton</b>
% Change from Previous Estimate	↓ 0.2	↑ 1.3	↑ 1.3		↑ 2.7	
% Change from Previous Season	↓ 0.1	↑ 0.6	↑ 2.4		↑ 3.0	
<b>Sugarcane</b>	<b>N/A</b>	<b>931</b>	<b>37.3</b>	<b>Ton</b>	<b>34,732</b>	<b>Ton</b>
% Change from Previous Estimate	N/A	↓ 0.1	↑ 1.4		↑ 1.2	
% Change from Previous Season	N/A	↓ 1.8	↓ 2.1		↓ 3.8	
<b>Tobacco</b>	<b>N/A</b>	<b>223</b>	<b>2,102</b>	<b>Lb</b>	<b>469,090</b>	<b>Lb</b>
% Change from Previous Estimate	N/A	↓ 0.4	↑ 0.3		↓ 0.1	
% Change from Previous Season	N/A	↑ 12.7	↑ 6.9		↑ 20.5	



# September 2021 Noncitrus Fruits and Nuts Production



	Production (1,000 Units)	Unit
<b>Navel Oranges (CA)</b>	<b>1,400</b>	<b>Ton</b>
% Change from Previous Estimate	N/A	
% Change from Previous Season	↓ 13.8	
<b>Walnuts (CA)</b>	<b>670</b>	<b>Ton</b>
% Change from Previous Estimate	N/A	
% Change from Previous Season	↓ 14.6	







# Selected Upcoming Reports



<b>September 24</b>	<b>Cattle on Feed Hogs and Pigs</b>
<b>September 30</b>	<b>Agricultural Prices Grain Stocks Small Grains Summary</b>
<b>October 1</b>	<b>Cotton System Fats &amp; Oils Grain Crashings</b>
<b>October 12</b>	<b>Cotton Ginnings Crop Production</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

Registration information coming soon.

## STAT CHAT SERIES

You can tweet questions in advance to [@usda\\_nass](https://twitter.com/usda_nass).

**#STATCHAT**

Join [@usda\\_nass](https://twitter.com/usda_nass) on Twitter using [#StatChat](https://twitter.com/hashtag/StatChat) to discuss the *Crop Production* report with Lance Honig.

**FRIDAY,  
SEPT. 10  
1PM ET**





**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)**