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# Crop Production

## Executive Summary

Lance Honig, Chief  
Crops Branch

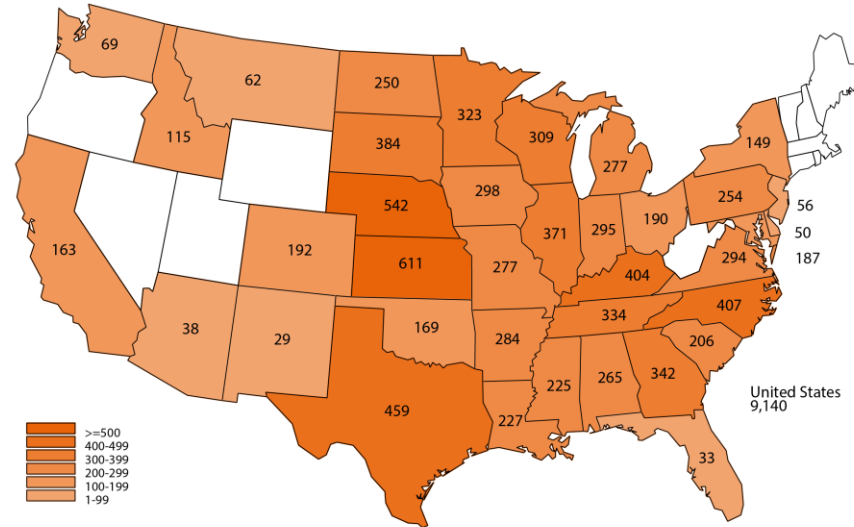
# Special Note

- All forecasts in the report are based on conditions as of September 1. Any potential impacts from below freezing temperatures after September 1 will be reflected in future reports.
- NASS collected additional harvested acreage information for corn and soybeans in Iowa in response to the August 10 derecho. Corn harvested for grain area was reduced 550,000 acres; soybean acres were unchanged. NASS will collect harvested acreage for corn and soybeans in Iowa for the October *Crop Production* report since producer decisions were not final for all impacted acres.
- As is done every year in September, planted and harvested acreage was reviewed for cotton, peanuts, and rice using all available data, including FSA Certified Acreage Data.

# Data Sources

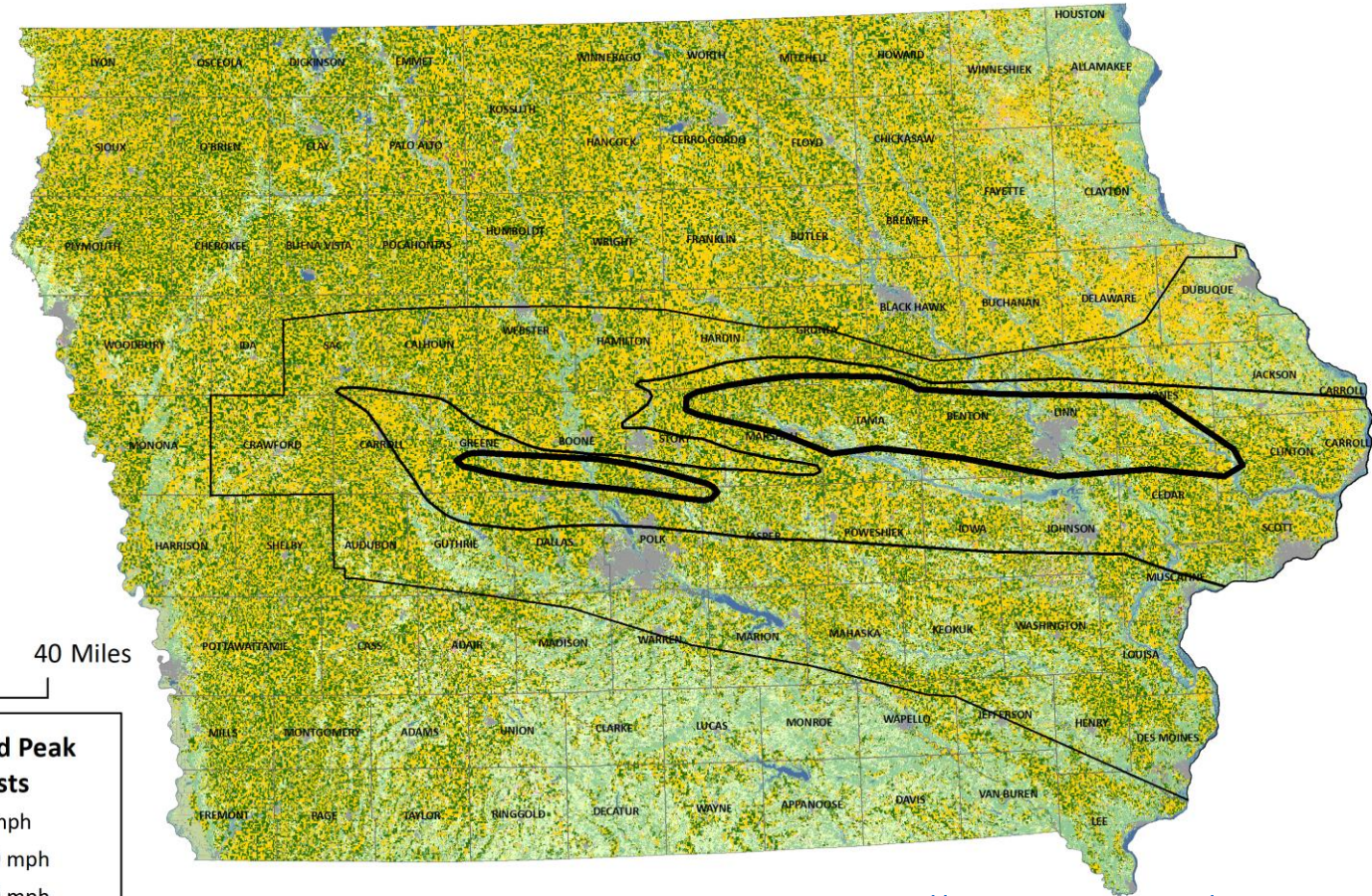
<b>Operator Reported Survey</b>	<b>Ag Yield</b>	<b>Sample Size = 9,140</b>	<b>August 29 - September 7</b>
<b>Field Survey</b>	<b>Objective Yield Corn, Cotton, Soybeans</b>	<b>Sample Size = 3,930</b>	<b>August 25 - September 1</b>
<b>Remotely Sensed (Satellite)</b>	<b>Time Series 250 Meter MODIS Satellite Data</b>	<b>Focus Area Corn Belt</b>	<b>Imagery Through August 27</b>

September 2020 Ag Yield Sample Sizes



# Iowa Derecho

## August 10, 2020



0 20 40 Miles

**Estimated Peak Wind Gusts**

- 100+ mph
- 80 - 99 mph
- 60 - 79 mph

**Land Cover**

- Corn
- Soybeans

Crop Type	Total Statewide Acres (2019)	Percent of Acres within 60 - 79 mph Wind Swath	Percent of Acres within 80 - 99 mph Wind Swath	Percent of Acres within 100+ mph Wind Swath
Corn	13,500,000	38.12%	16.06%	4.64%
Soybeans	9,200,000	38.17%	15.86%	4.77%

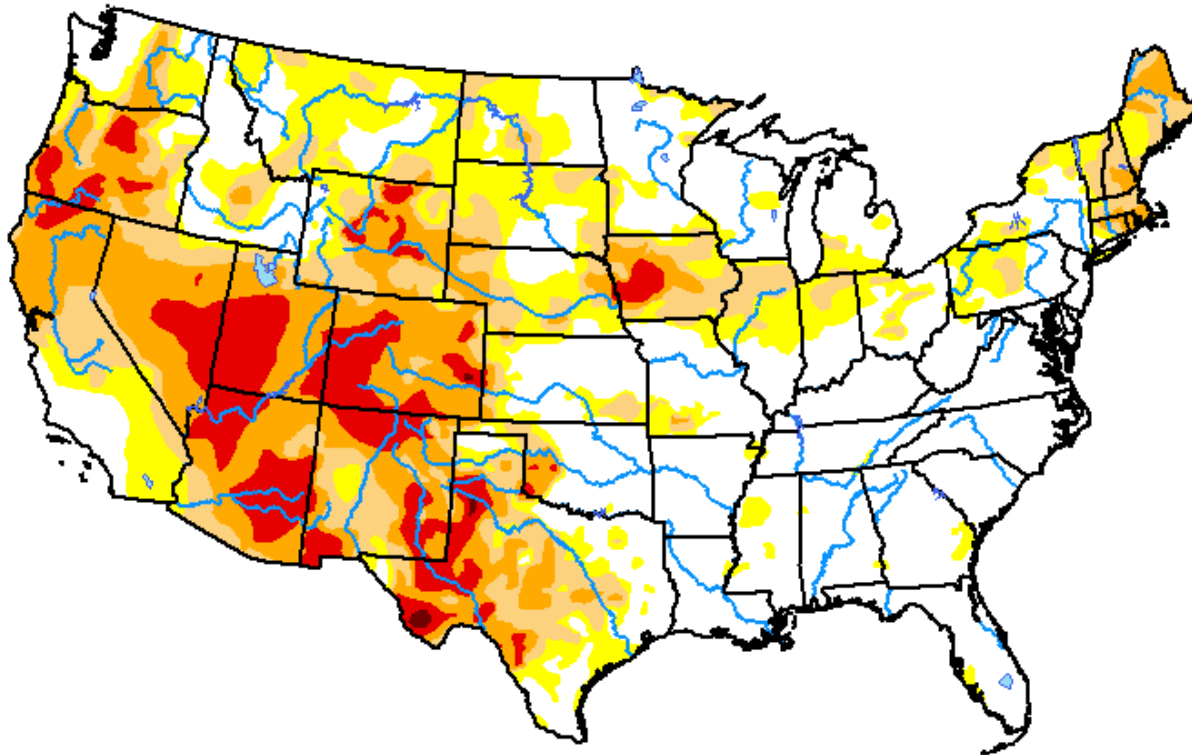
[https://www.nass.usda.gov/Research and Science/Disaster-Analysis/index.php](https://www.nass.usda.gov/Research_and_Science/Disaster-Analysis/index.php)

Wind gust extent information is derived from NOAA National Weather Service downloaded and analyzed August 25, 2020. Total statewide acres are based on 2019 official NASS estimates. Land cover information is based on the USDA NASS 2019 Cropland Data Layer (planted acres) and are not official NASS estimates.



# U.S. Drought Monitor

## September 1, 2020



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>*

Author:

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CPC/NOAA/NWS/NCEP



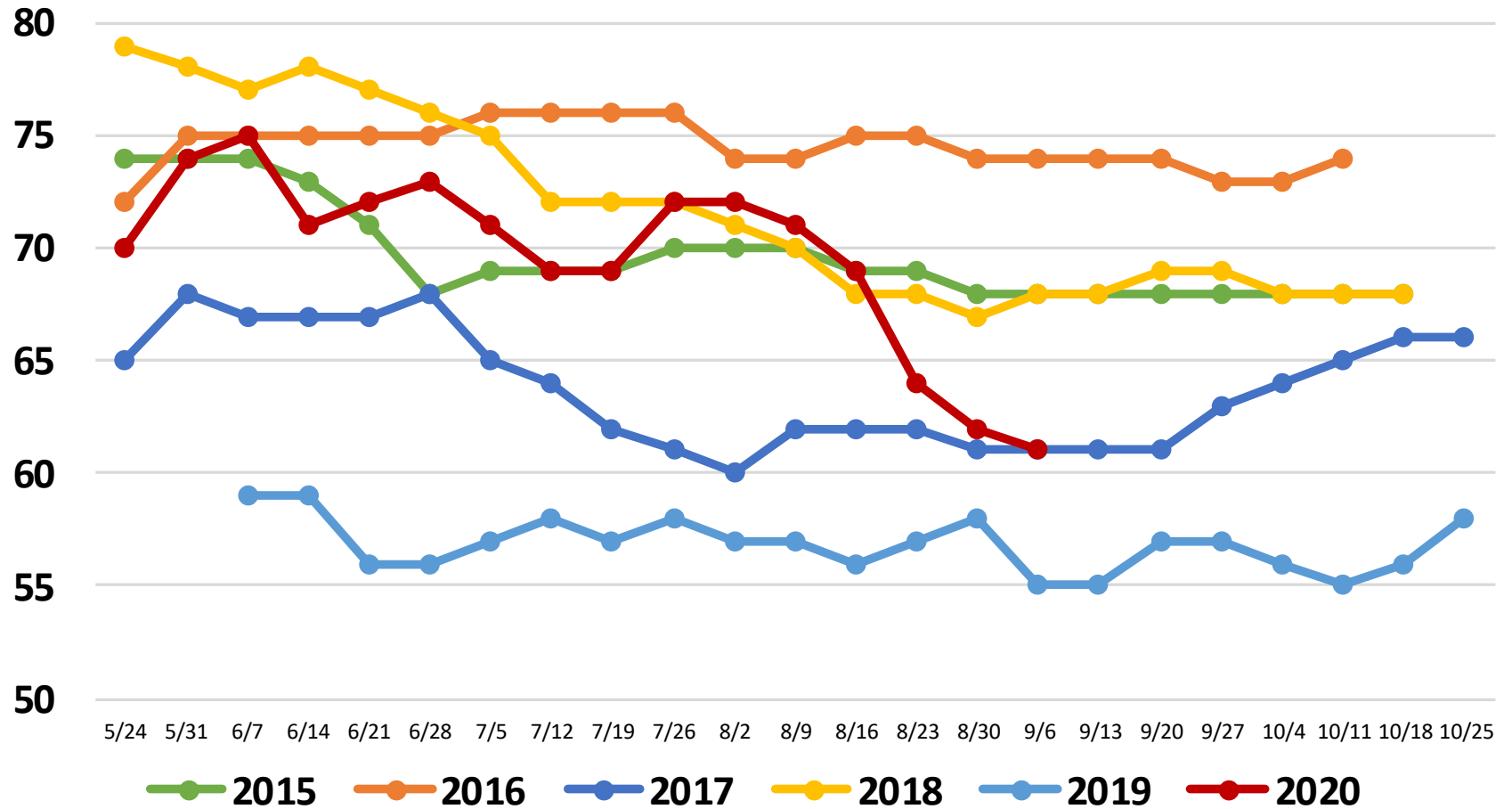
[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)



# United States Corn Condition

## Percent Rated Good to Excellent

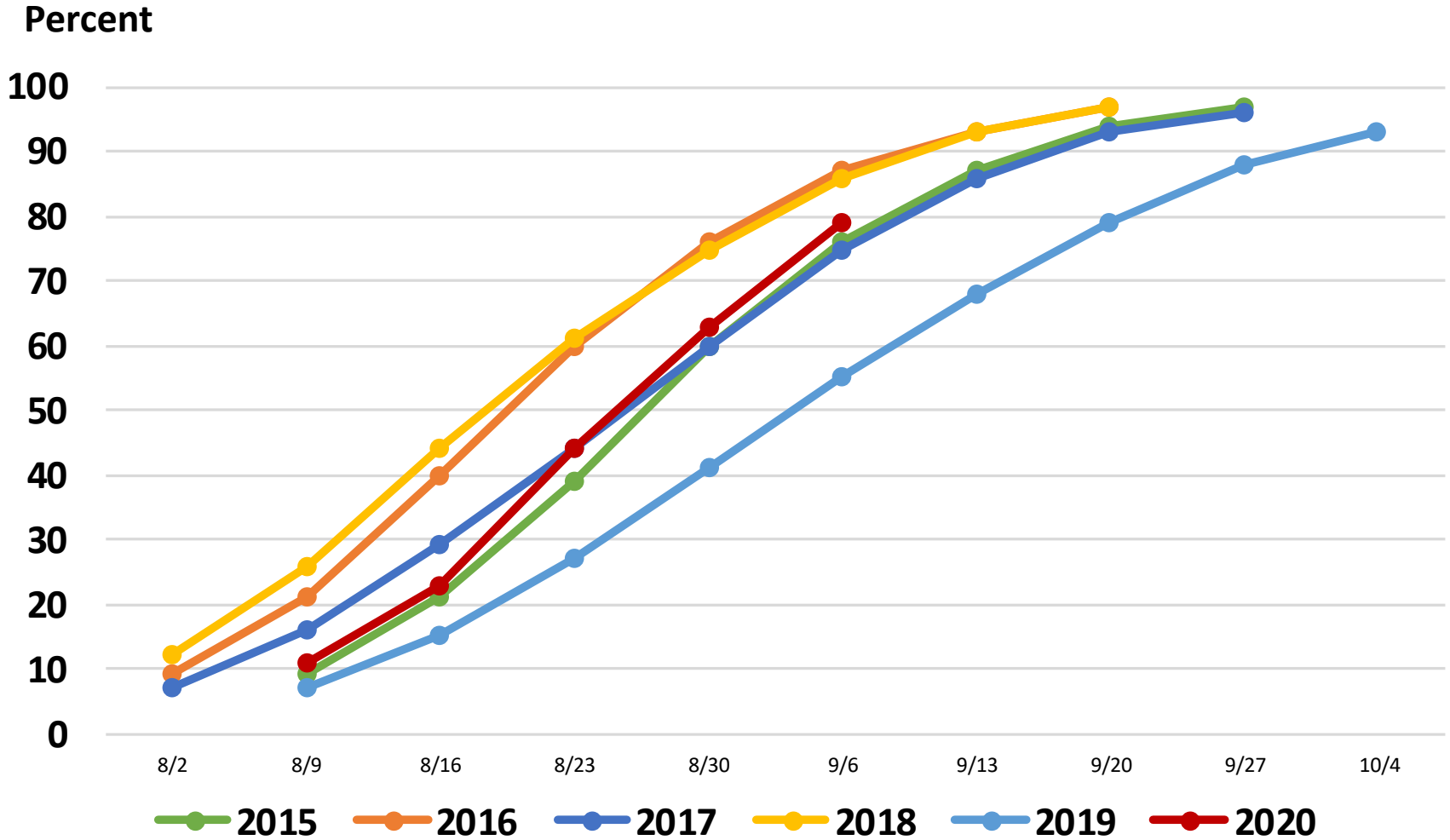
Percent





# United States Corn Progress

## Percent Dented





# September 2020 Corn Acreage, Yield, and Production

	Planted <small>(1,000 Acres)</small>	Harvested <small>(1,000 Acres)</small>	Yield <small>(Bushels/Acre)</small>	Production <small>(1,000 Bushels)</small>
<b>United States</b>	<b>92,006</b>	<b>83,473</b>	<b>178.5</b>	<b>14,899,557</b>
% Change from Previous Estimate	NC	↓ 0.7	↓ 1.8	↓ 2.5
% Change from Previous Season	↑ 2.6	↑ 2.6	↑ 6.6	↑ 9.4

Top 5 States - By Production											
	Planted		Harvested		Yield		Production				
	<small>(1,000 Acres)</small>	<small>% Δ PY</small>	<small>(1,000 Acres)</small>	<small>% Δ PY</small>	<small>(Bushels/Acre)</small>	<small>% Δ PY</small>	<small>(1,000 Bushels)</small>	<small>% Δ PY</small>			
Iowa	14,000	↑ 3.7	13,000	↓ 0.4	191	↓ 3.5	2,483,000	↓ 3.9			
Illinois	10,900	↑ 3.8	10,700	↑ 4.9	203	↑ 12.2	2,172,100	↑ 17.7			
Nebraska	9,800	↓ 3.0	9,450	↓ 3.7	188	↑ 3.3	1,776,600	↓ 0.5			
Minnesota	8,100	↑ 3.8	7,650	↑ 5.5	200	↑ 15.6	1,530,000	↑ 22.0			
Indiana	5,400	↑ 8.0	5,250	↑ 8.9	186	↑ 10.1	976,500	↑ 19.9			

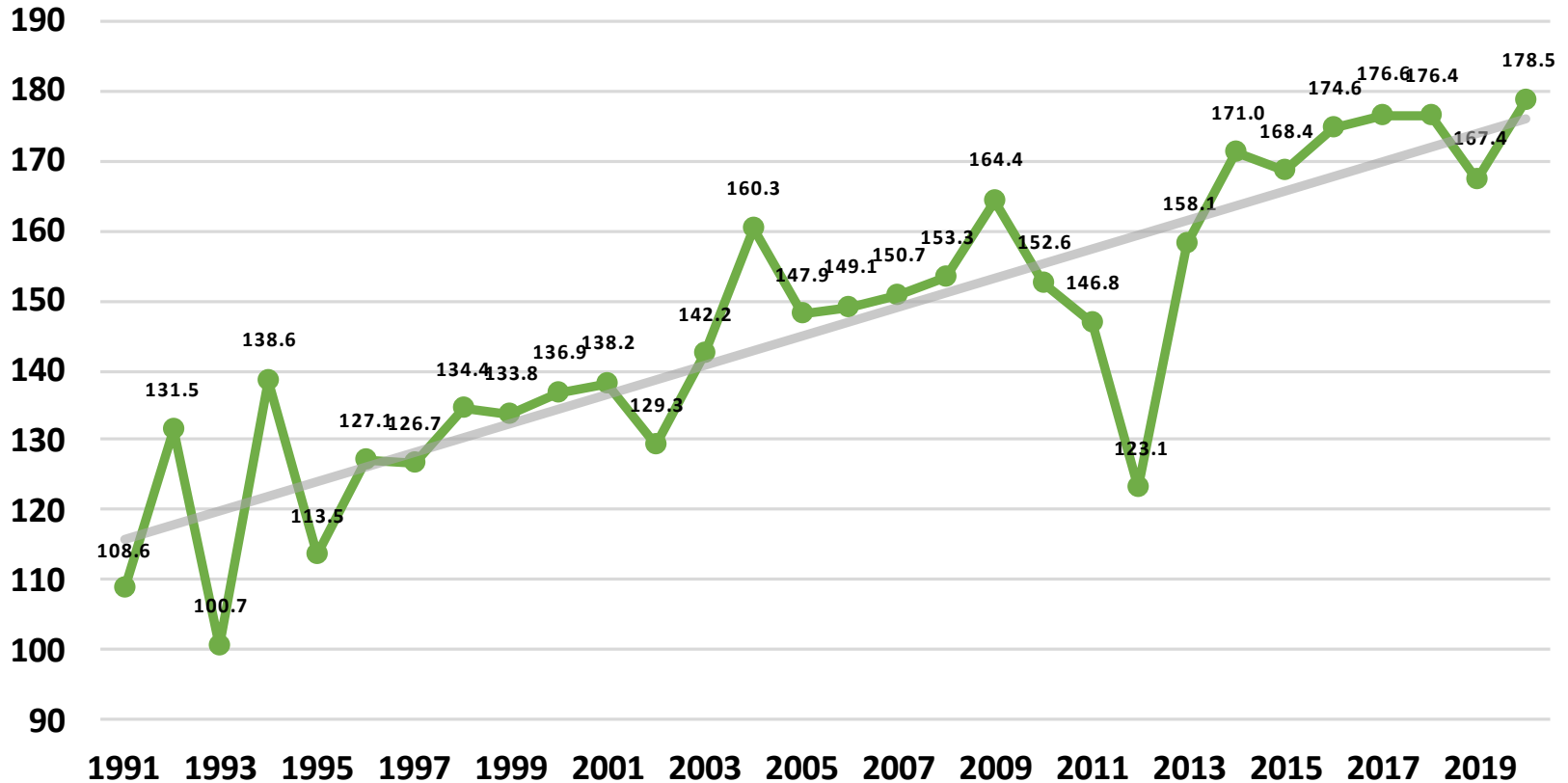




# September 2020 Corn Yield United States

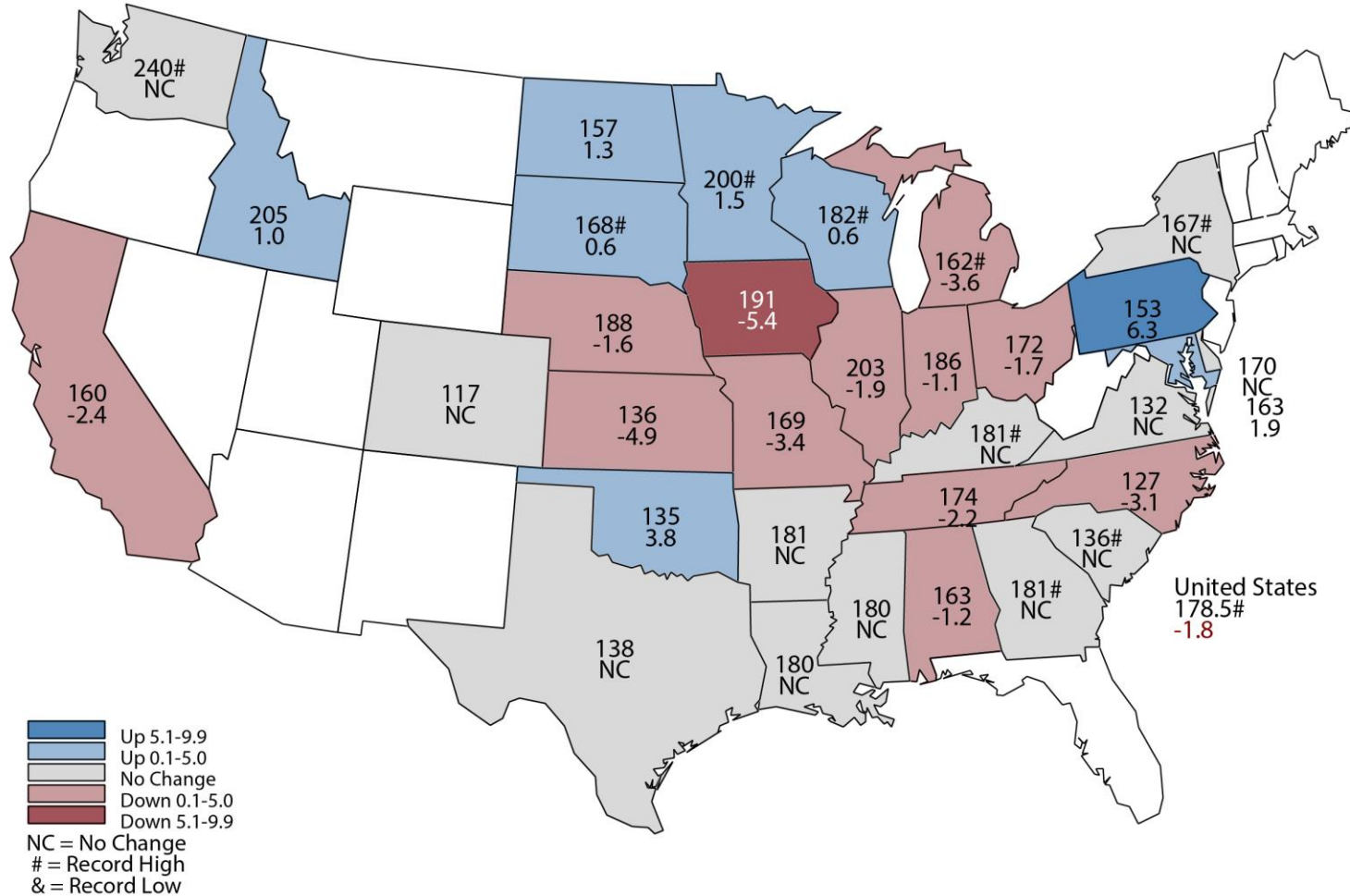


Bushels per Acre

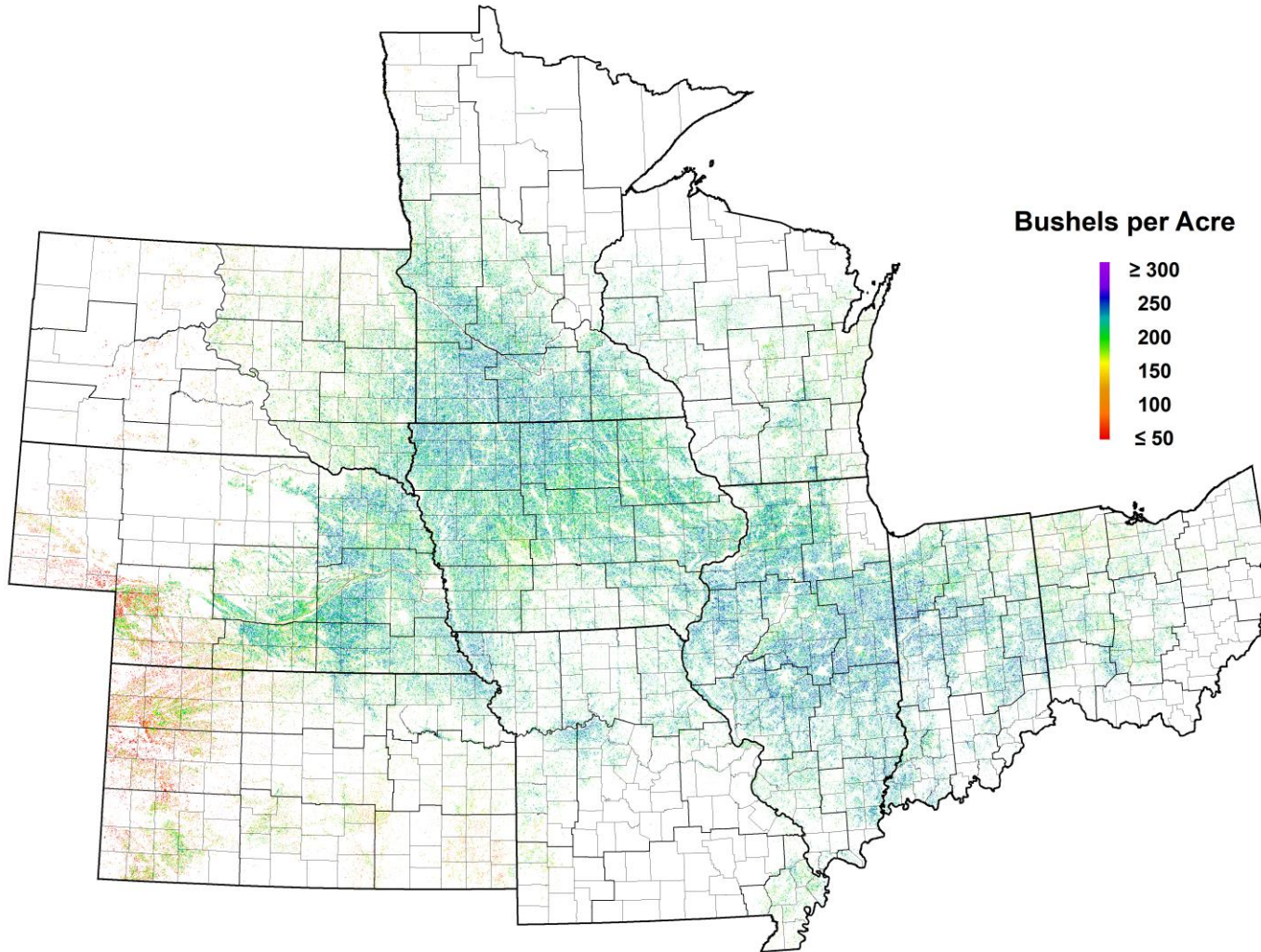


# September 2020 Corn Yield

## Bushels and Percent Change from Previous Month



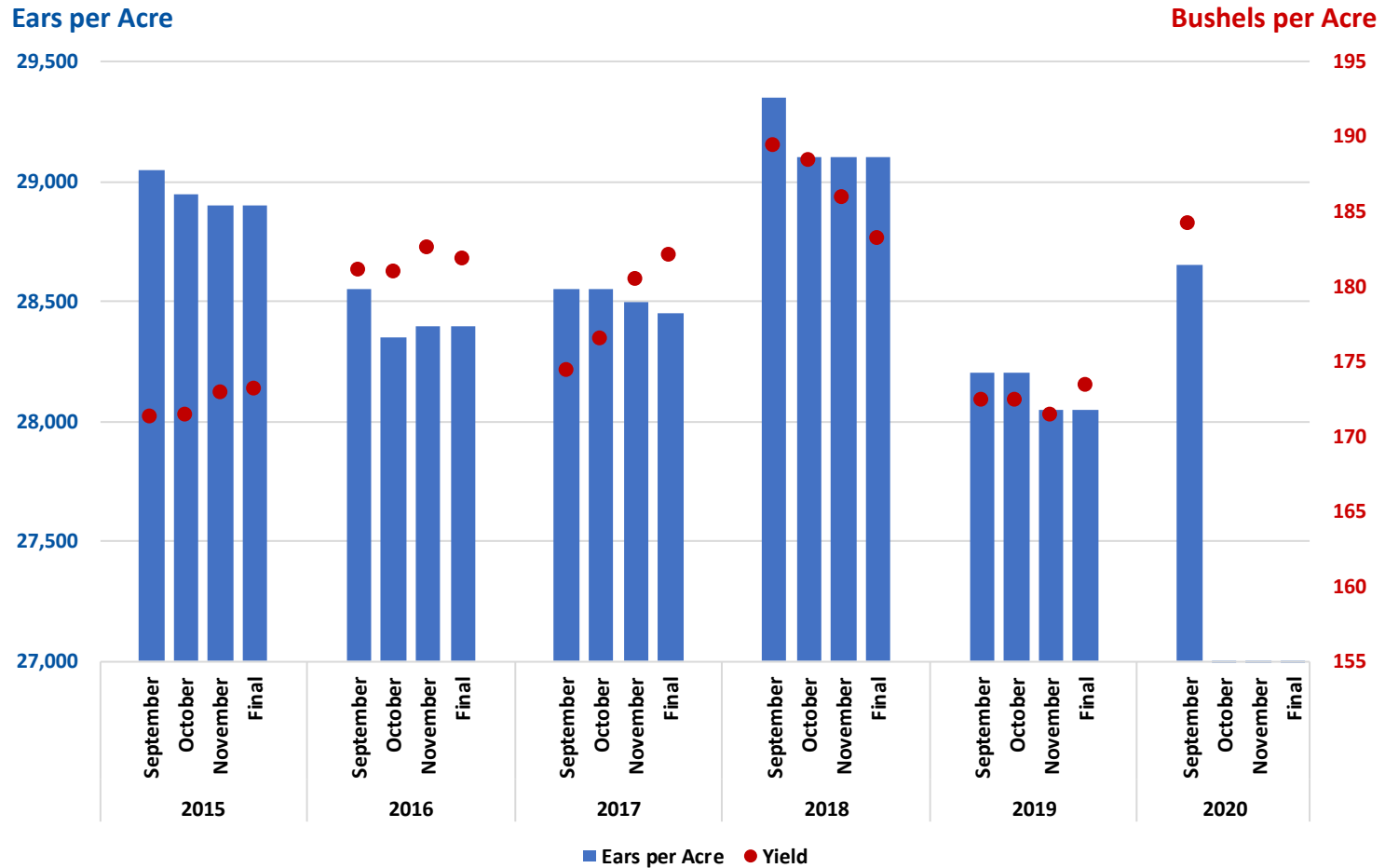
# September 2020 Corn NASA Terra MODIS Modeled Yield





# September 2020 Corn Objective Yield

## Ears per Acre and Yield for 10 State Region

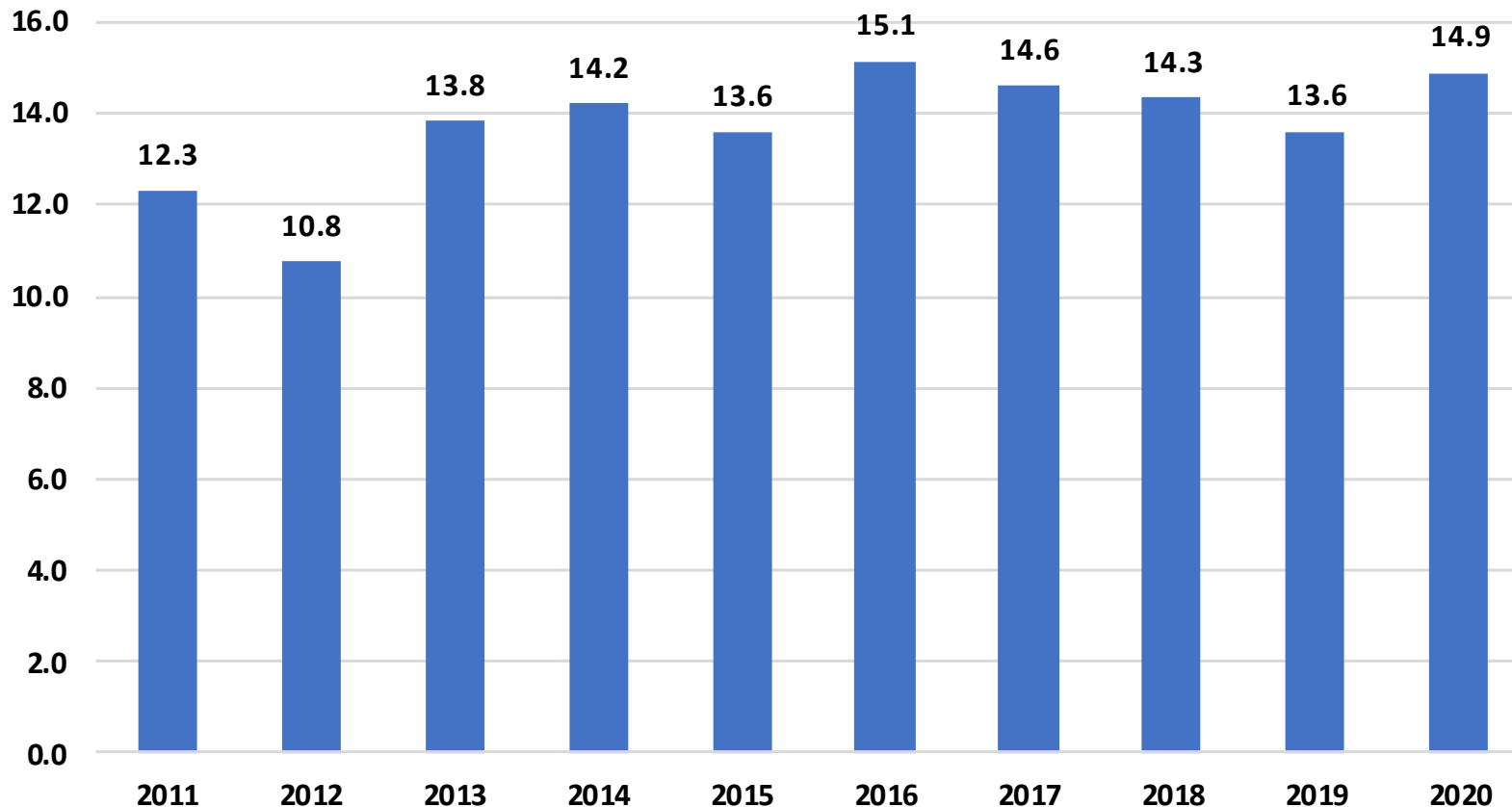




# September 2020 Corn Production United States



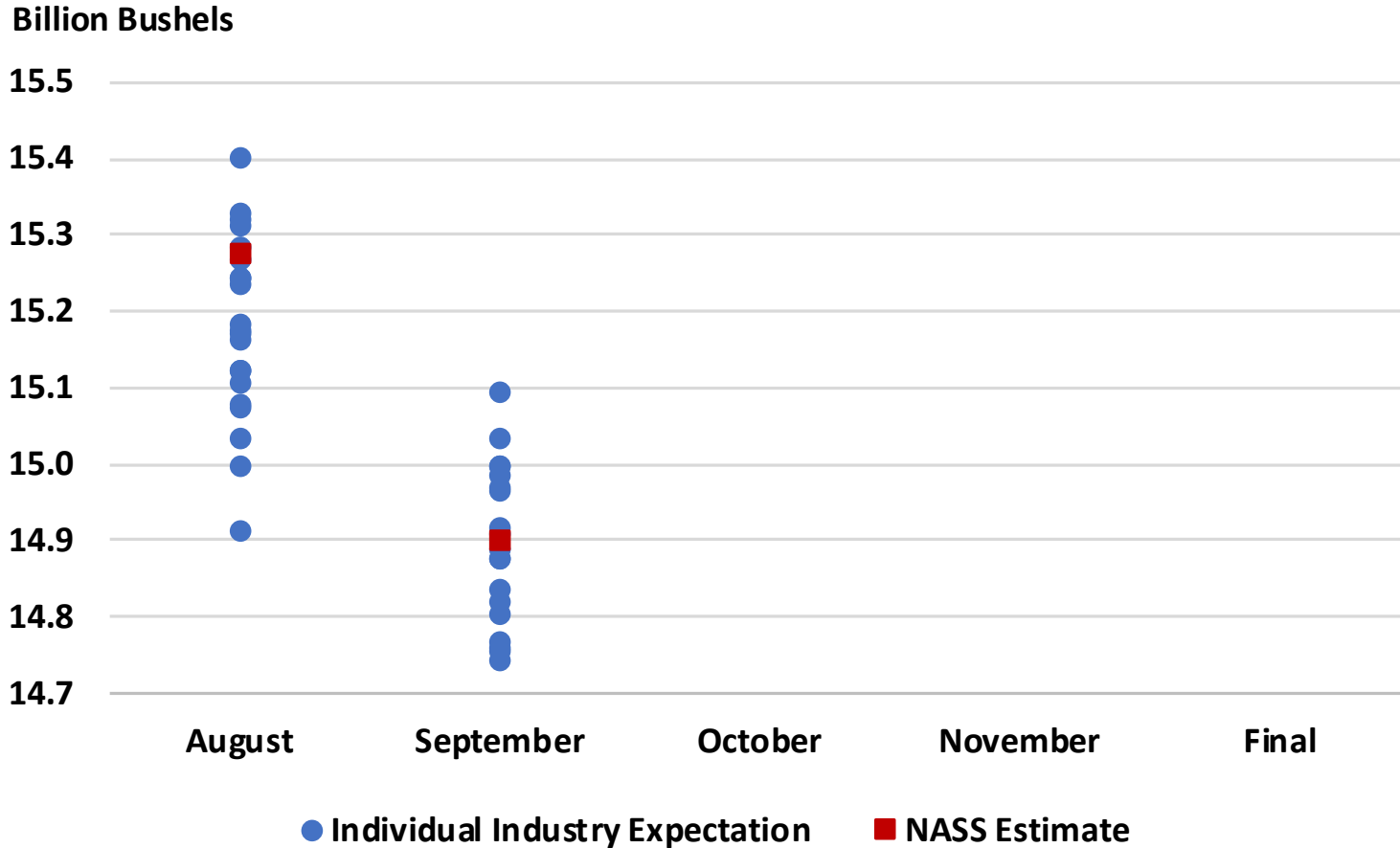
Billion Bushels





# 2020 U.S. Corn Production

## Industry Expectations vs NASS





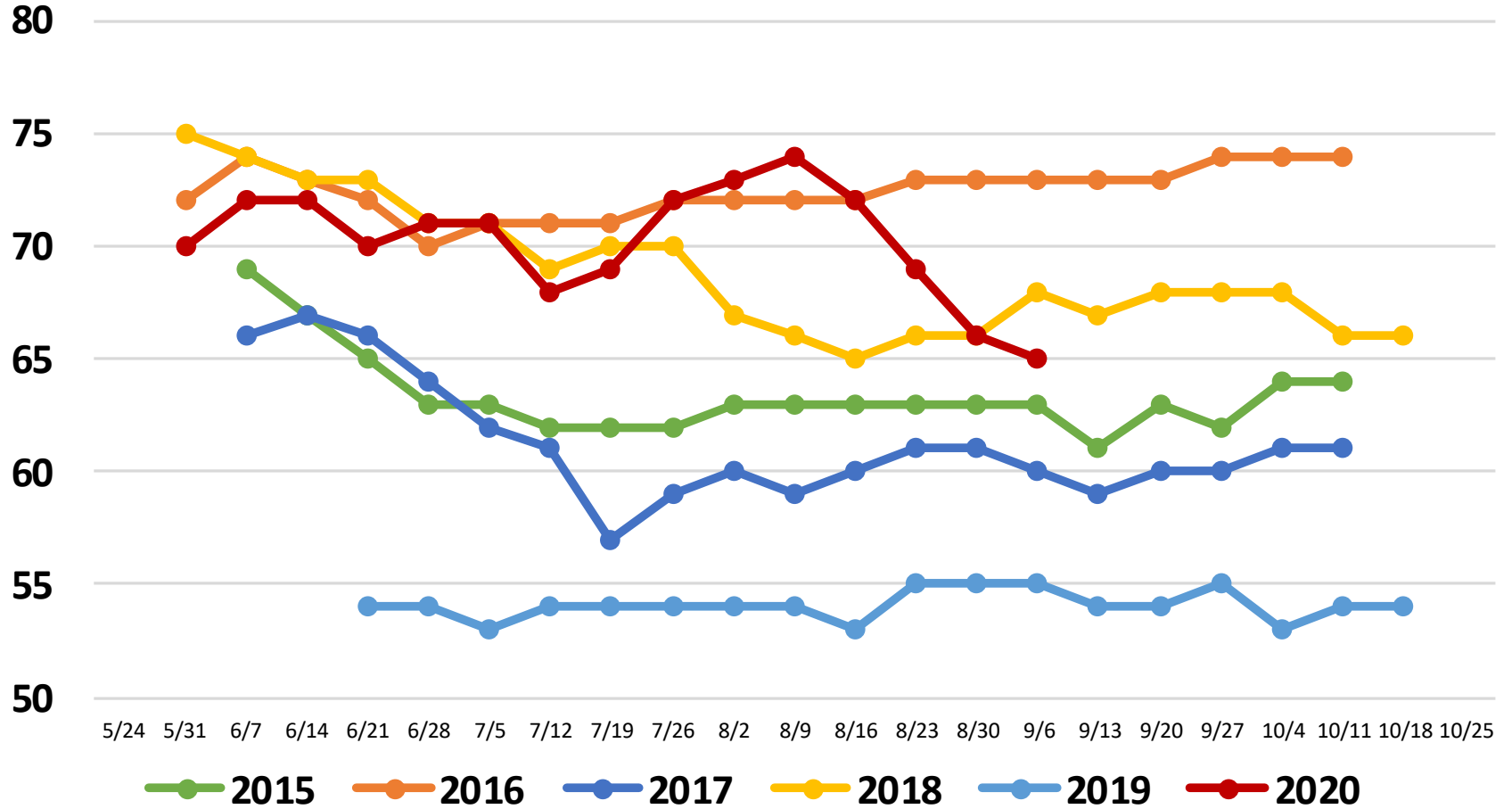


# United States Soybean Condition

## Percent Rated Good to Excellent

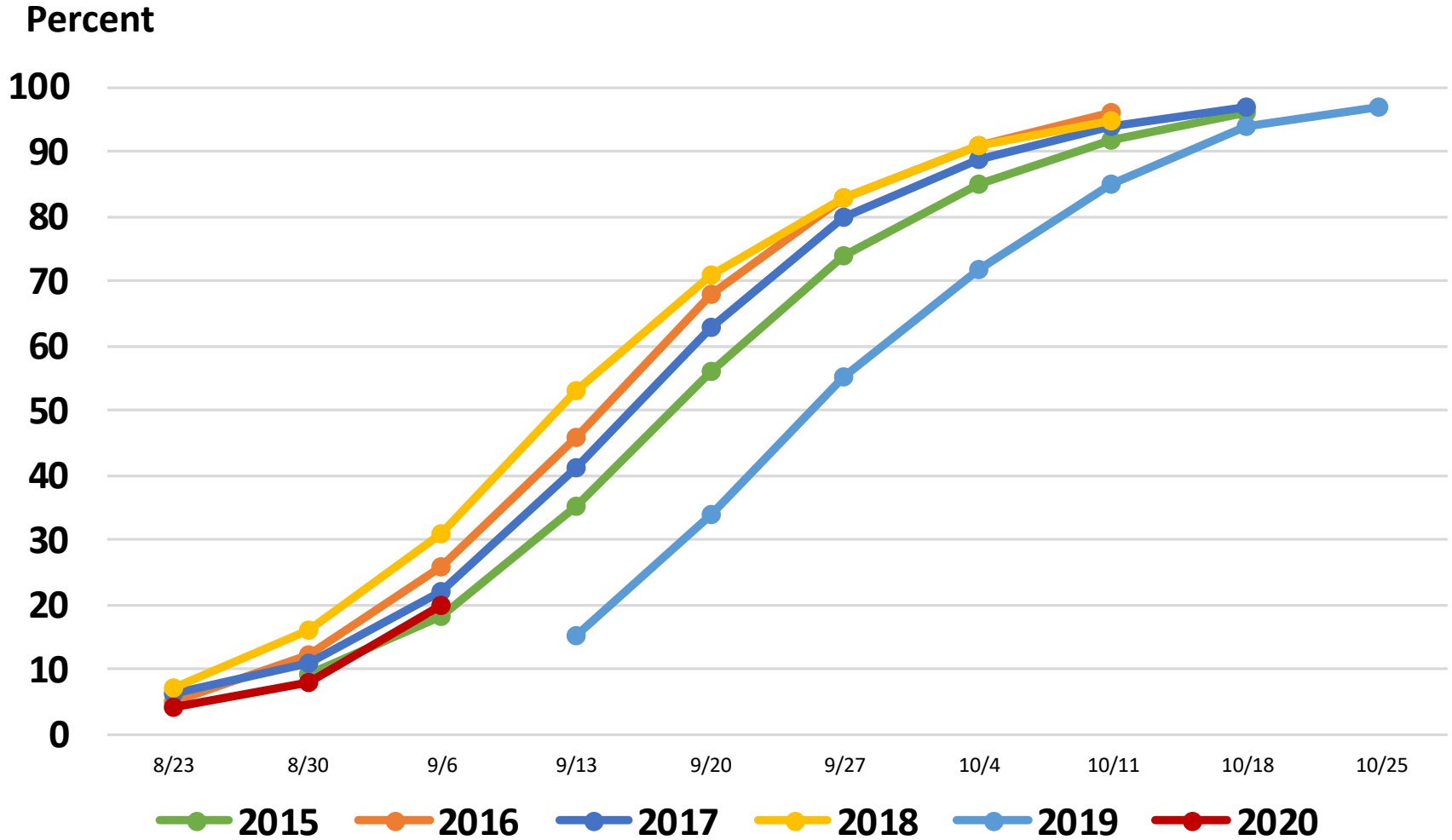


Percent



# United States Soybean Progress

## Percent Dropping Leaves





# September 2020 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>83,825</b>	<b>83,020</b>	<b>51.9</b>	<b>4,312,819</b>
% Change from Previous Estimate	NC	NC	↓ 2.6	↓ 2.5
% Change from Previous Season	↑ 10.2	↑ 10.8	↑ 9.5	↑ 21.4

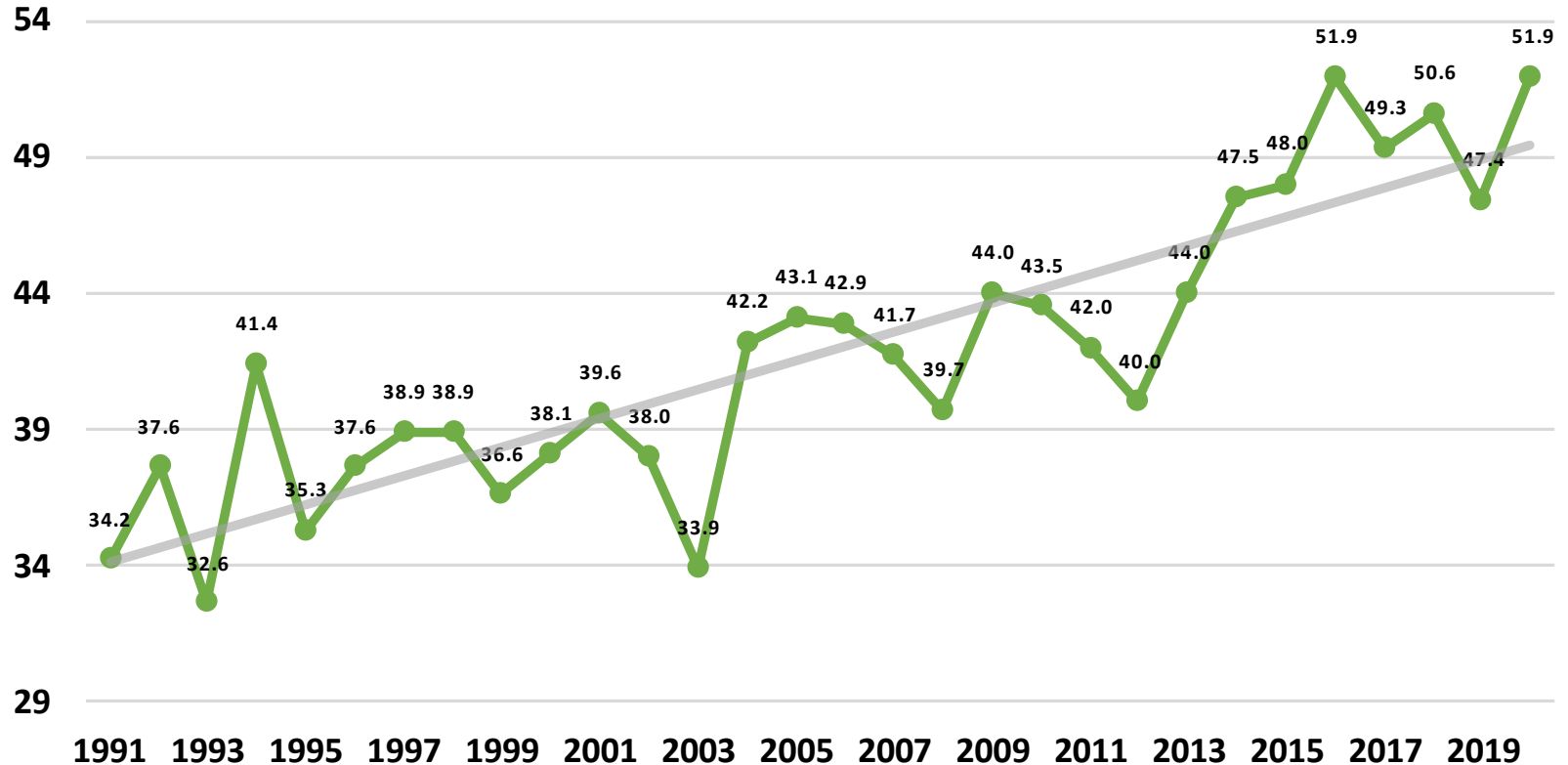
Top 5 States - By Production											
	Planted		Harvested		Yield		Production				
	(1,000 Acres)	% Δ PY	(1,000 Acres)	% Δ PY	(Bushels/Acre)	% Δ PY	(1,000 Bushels)	% Δ PY			
Illinois	10,400	↑ 4.5	10,350	↑ 5.0	62.0	↑ 14.8	641,700	↑ 20.5			
Iowa	9,400	↑ 2.2	9,320	↑ 2.2	54.0	↓ 1.8	503,280	↑ 0.3			
Minnesota	7,400	↑ 8.0	7,330	↑ 8.3	52.0	↑ 18.2	381,160	↑ 28.0			
Indiana	5,700	↑ 5.6	5,680	↑ 6.0	60.0	↑ 17.6	340,800	↑ 24.7			
Nebraska	5,000	↑ 2.0	4,950	↑ 2.3	60.0	↑ 2.6	297,000	↑ 4.9			



# September 2020 Soybean Yield United States

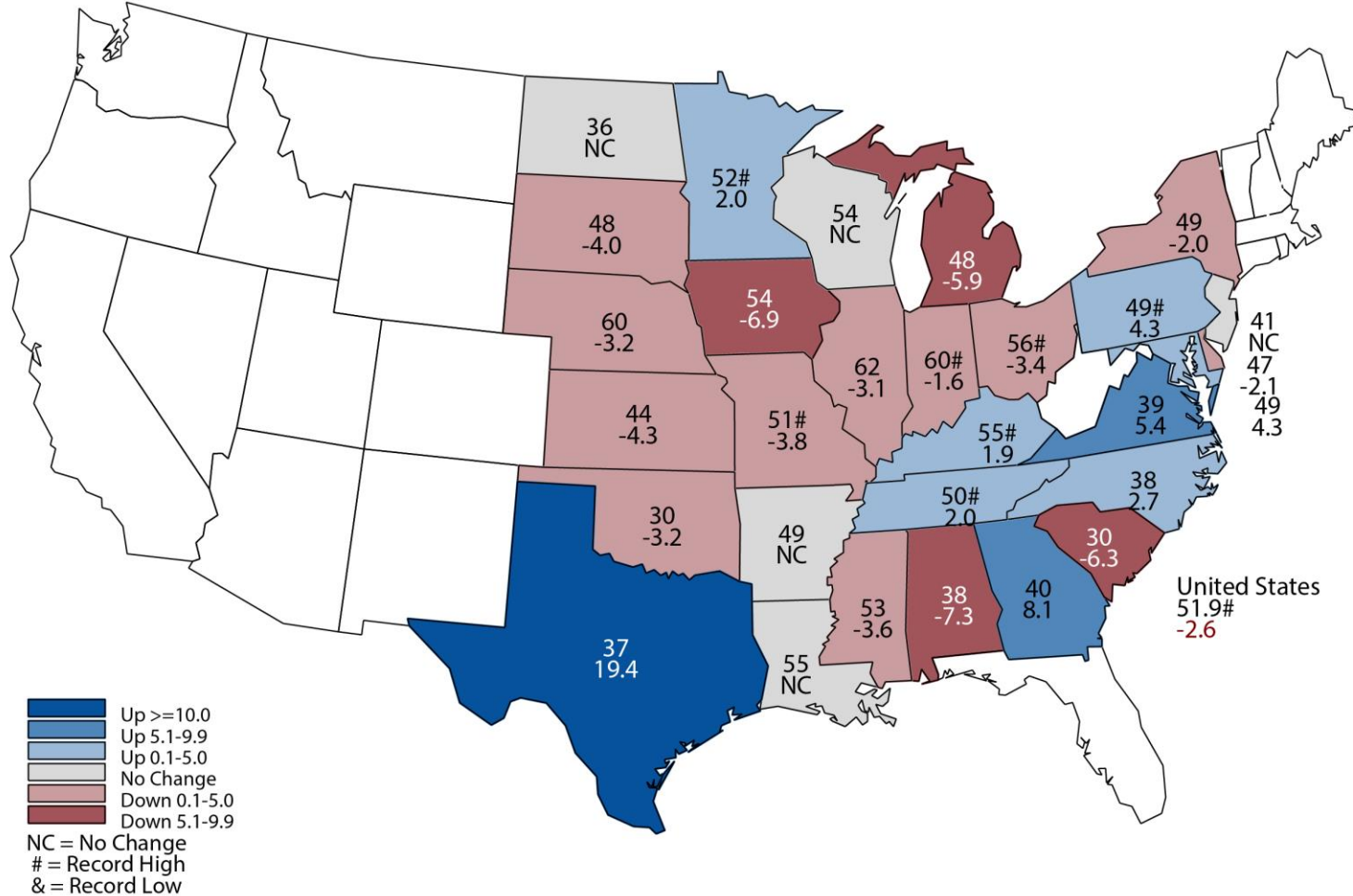


Bushels per Acre



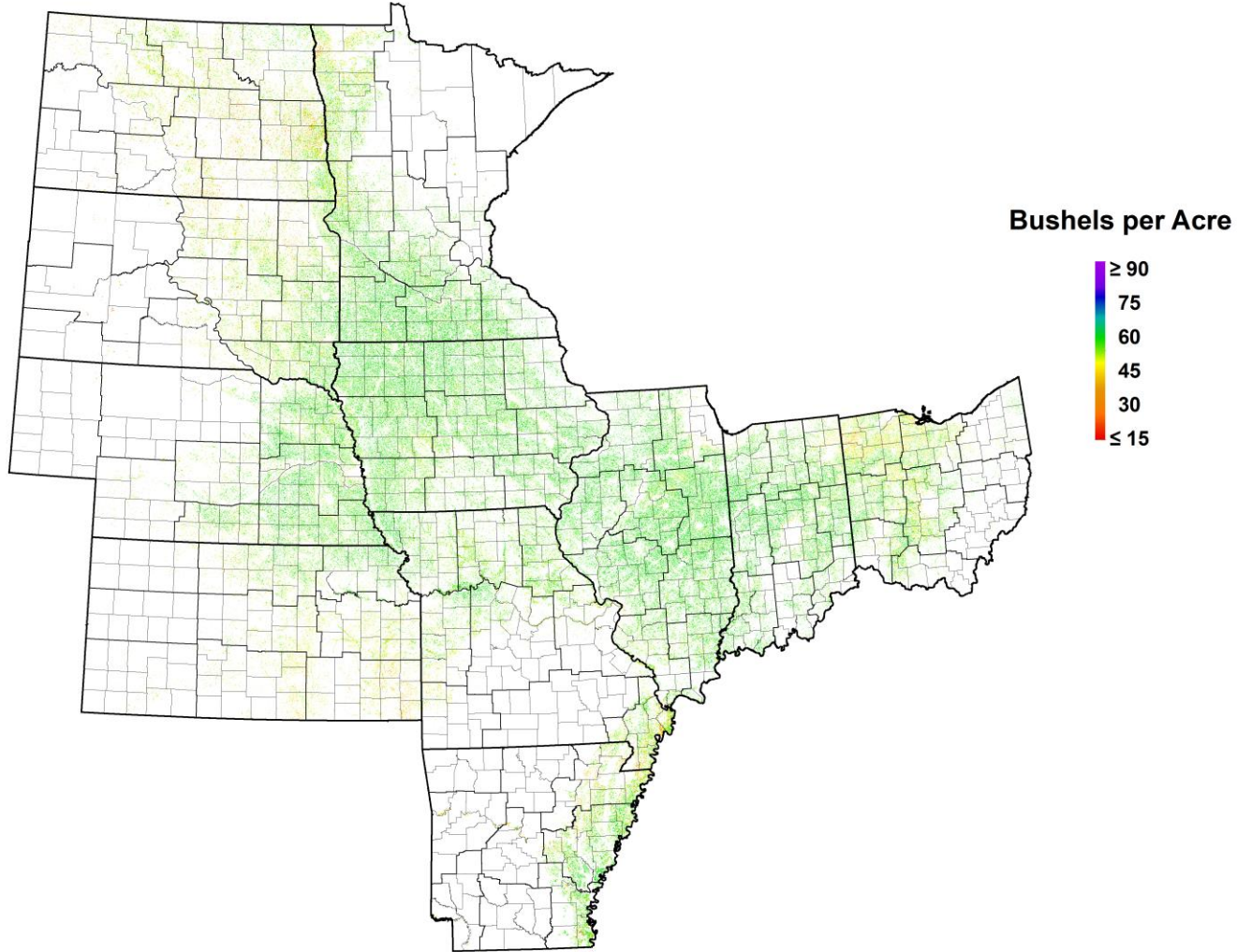
# September 2020 Soybean Yield

## Bushels and Percent Change from Previous Month



# September 2020 Soybeans

## NASA Terra MODIS Modeled Yield







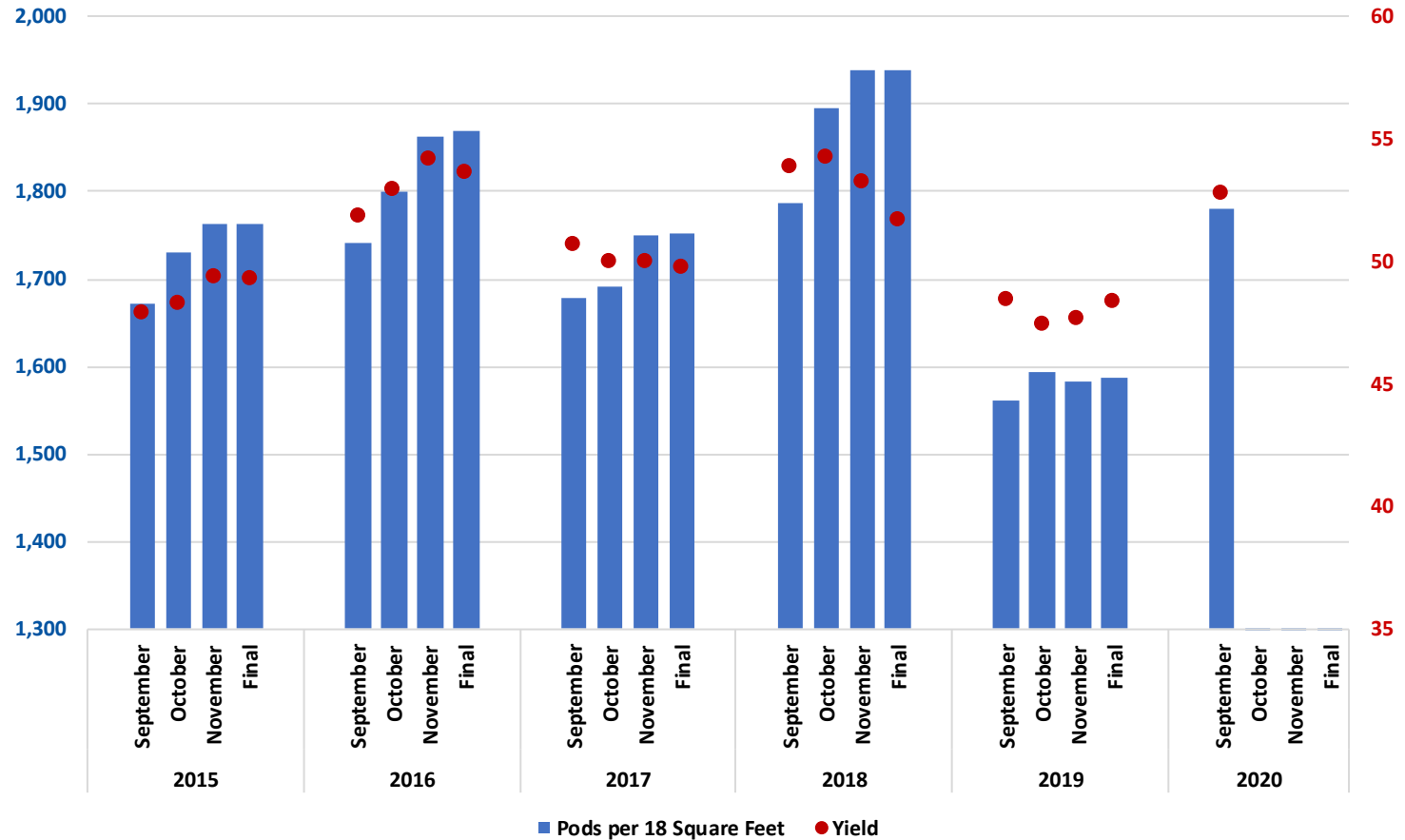
# September 2020 Soybean Objective Yield

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



Pods per 18 Square Feet

Bushels per Acre

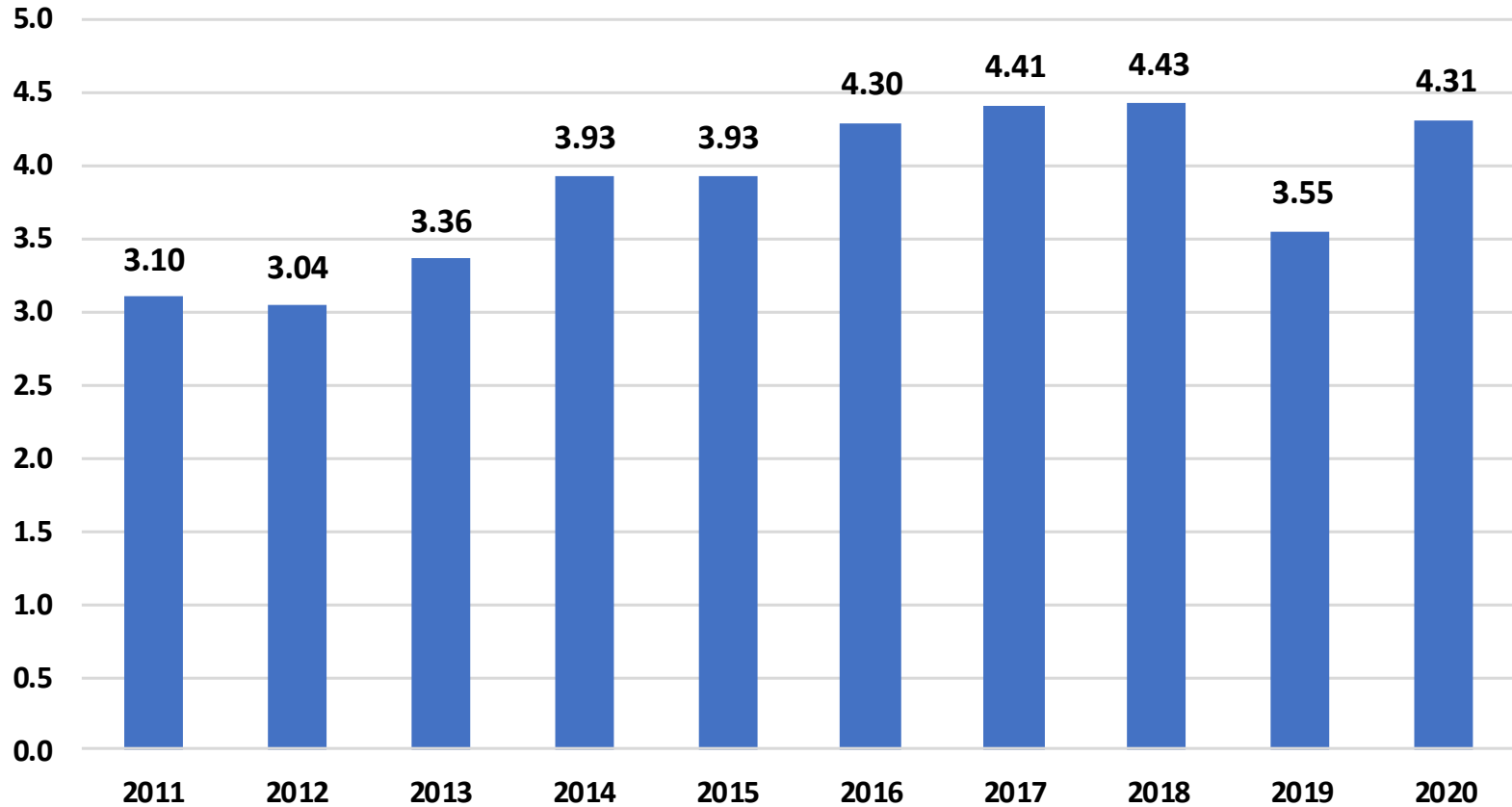




# September 2020 Soybean Production United States



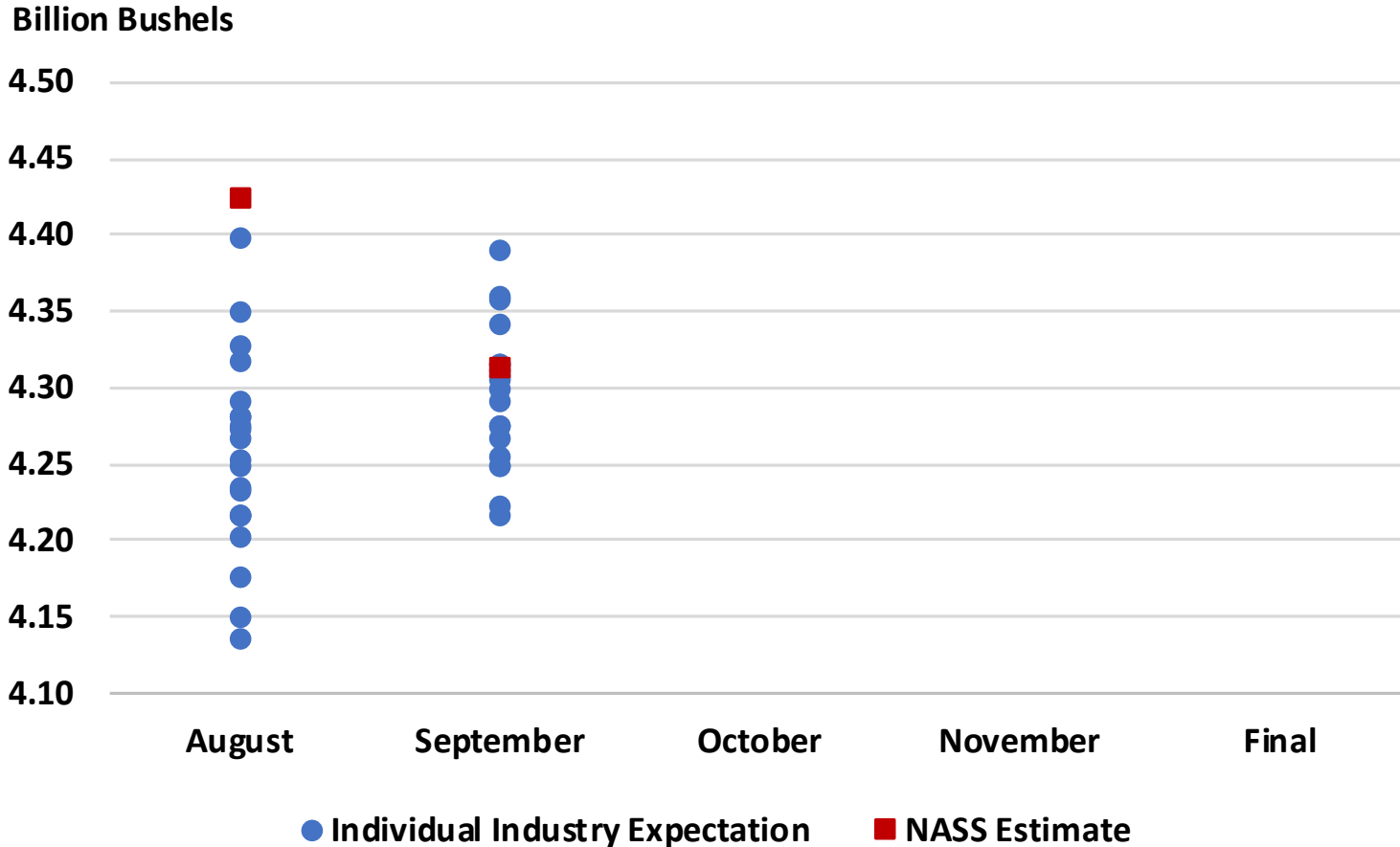
Billion Bushels





# 2020 U.S. Soybean Production

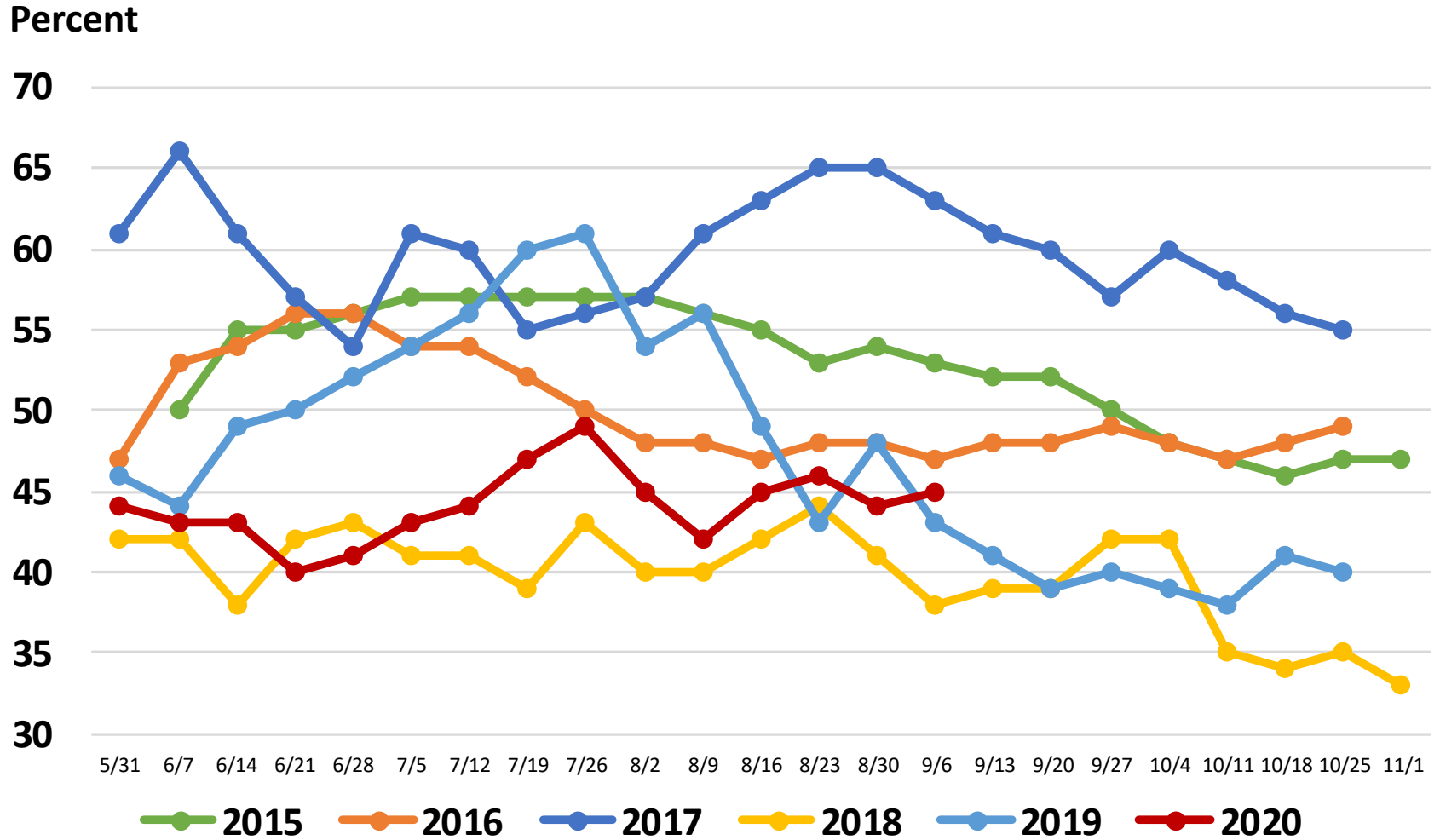
## Industry Expectations vs NASS





# United States Cotton Condition

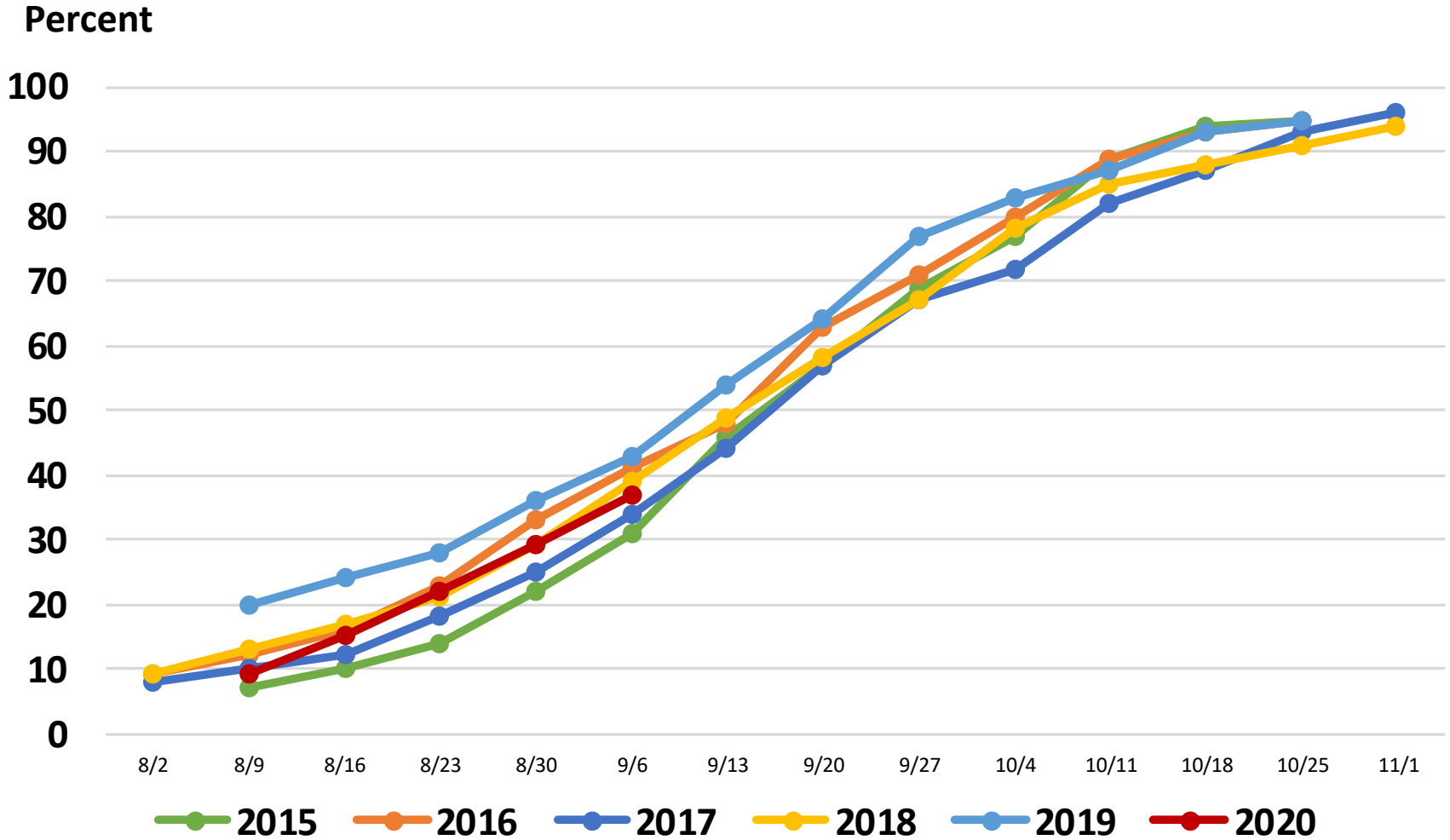
## Percent Rated Good to Excellent





# United States Cotton Progress

## Percent Bolls Opening





# September 2020 Cotton Acreage, Yield, and Production



	<b>Planted</b> (1,000 Acres)	<b>Harvested</b> (1,000 Acres)	<b>Yield</b> (Pounds/Acre)	<b>Production</b> (1,000 Bales)
<b>United States</b>	<b>12,116</b>	<b>9,005</b>	<b>910</b>	<b>17,064</b>
% Change from Previous Estimate	↓ 0.6	↓ 2.6	↓ 3.0	↓ 5.6
% Change from Previous Season	↓ 11.8	↓ 22.5	↑ 10.6	↓ 14.3

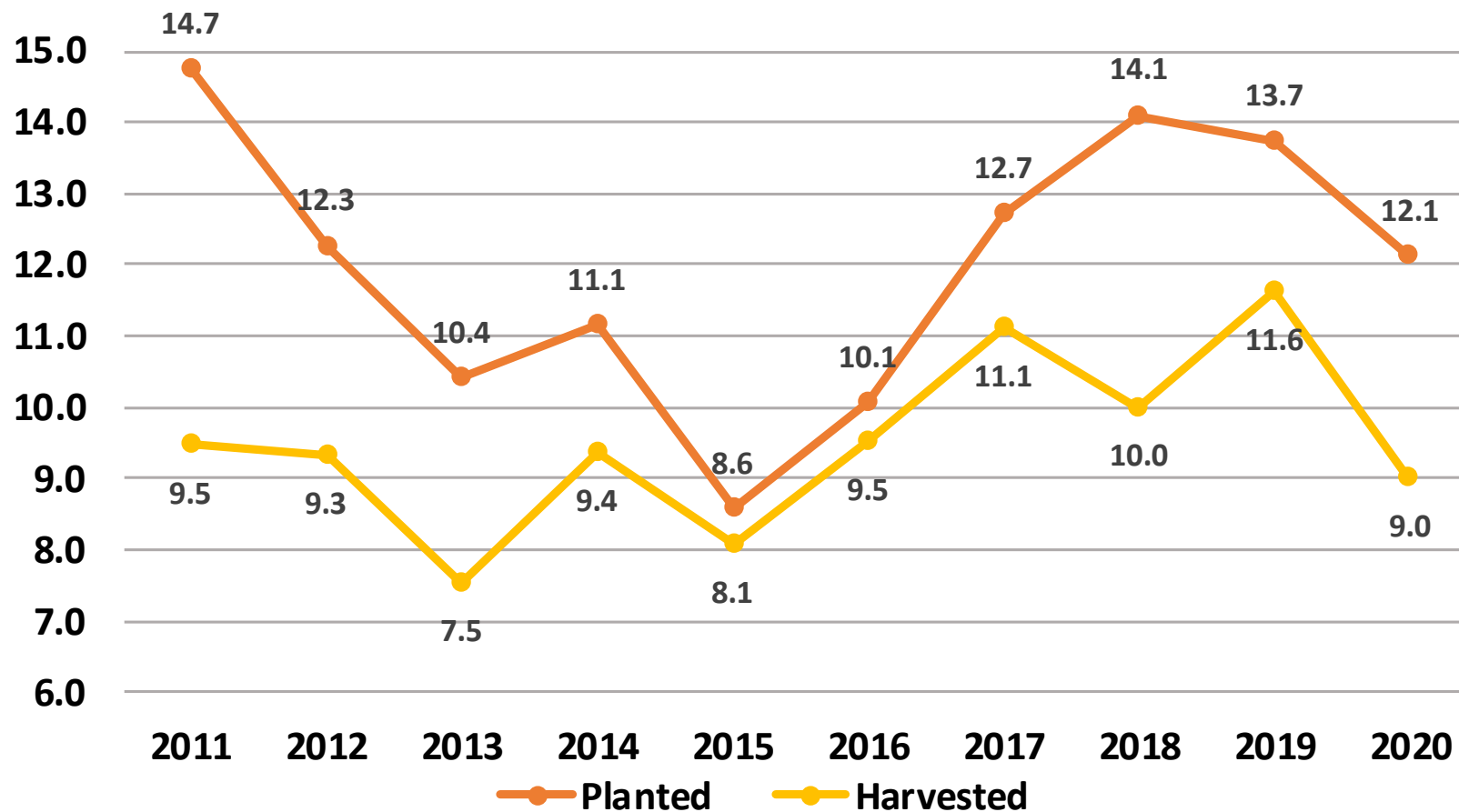
Top 5 States - By Production									
	<b>Planted</b>		<b>Harvested</b>		<b>Yield</b>		<b>Production</b>		
	(1,000 Acres)	% Δ PY	(1,000 Acres)	% Δ PY	(Pounds/Acre)	% Δ PY	(1,000 Bales)	% Δ PY	
Texas	6,836	↓ 3.2	3,880	↓ 26.2	737	↑ 27.5	5,959	↓ 6.0	
Georgia	1,200	↓ 14.3	1,190	↓ 13.8	932	↓ 2.2	2,310	↓ 15.7	
Arkansas	525	↓ 15.3	520	↓ 14.8	1,200	↑ 1.3	1,300	↓ 13.7	
Mississippi	530	↓ 25.4	525	↓ 25.0	1,179	↑ 6.0	1,290	↓ 20.4	
Alabama	450	↓ 16.7	445	↓ 16.4	976	↑ 5.2	905	↓ 12.0	



# September 2020 Cotton Acres

## United States

Million Acres

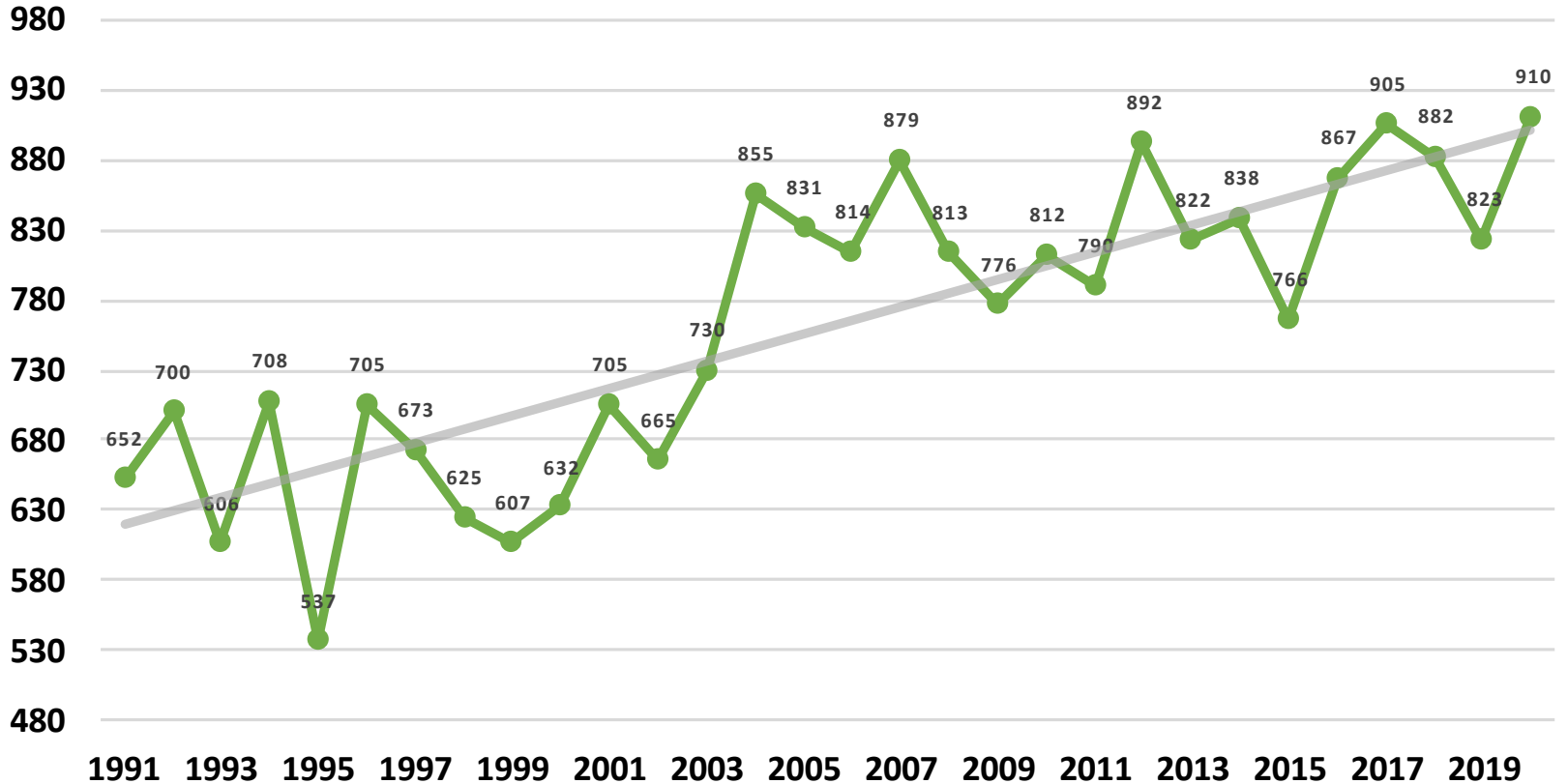




# September 2020 Cotton Yield United States

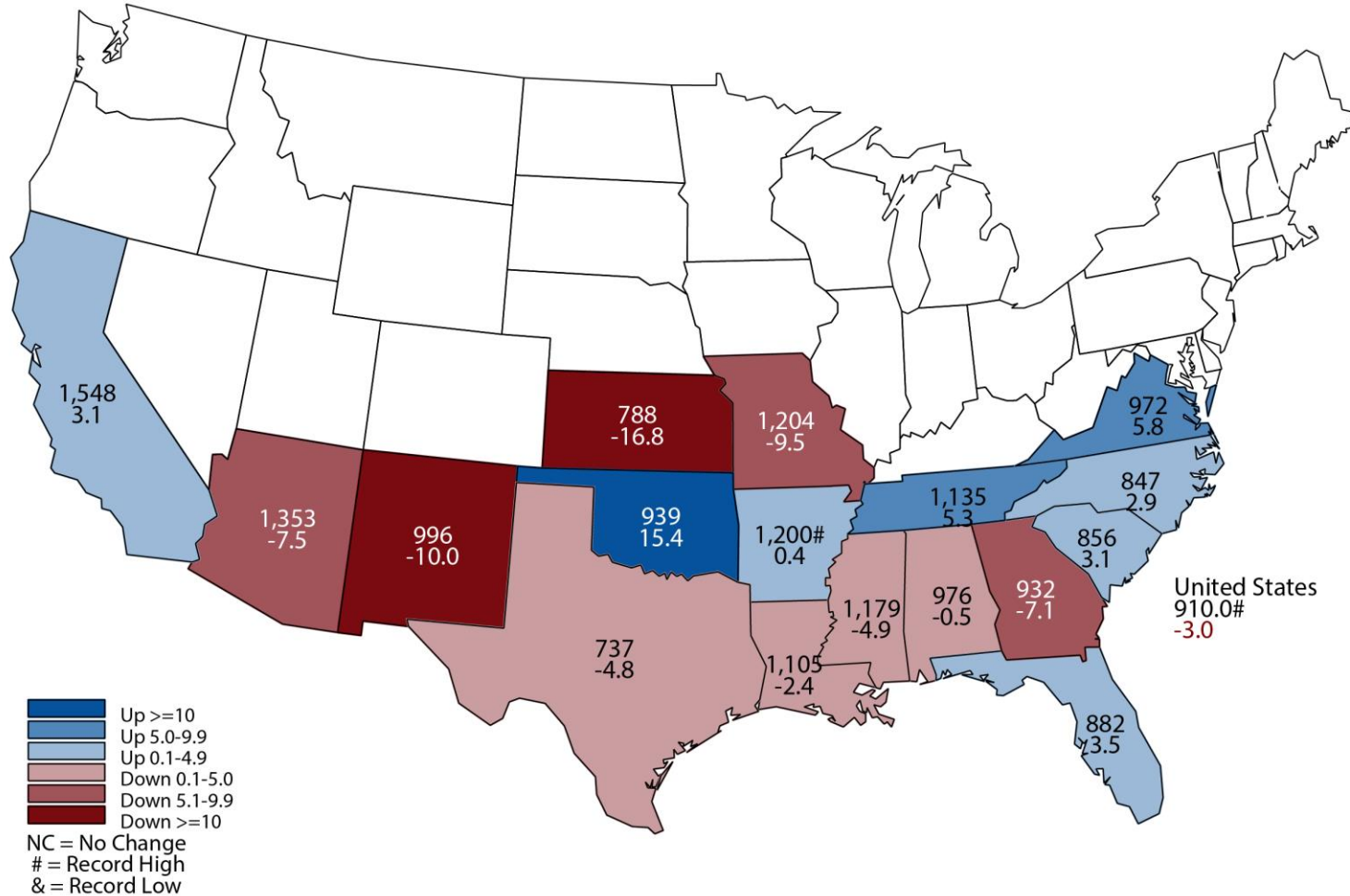


Pounds per Acre



# September 2020 Cotton Yield

## Pounds and Percent Change from Previous Month

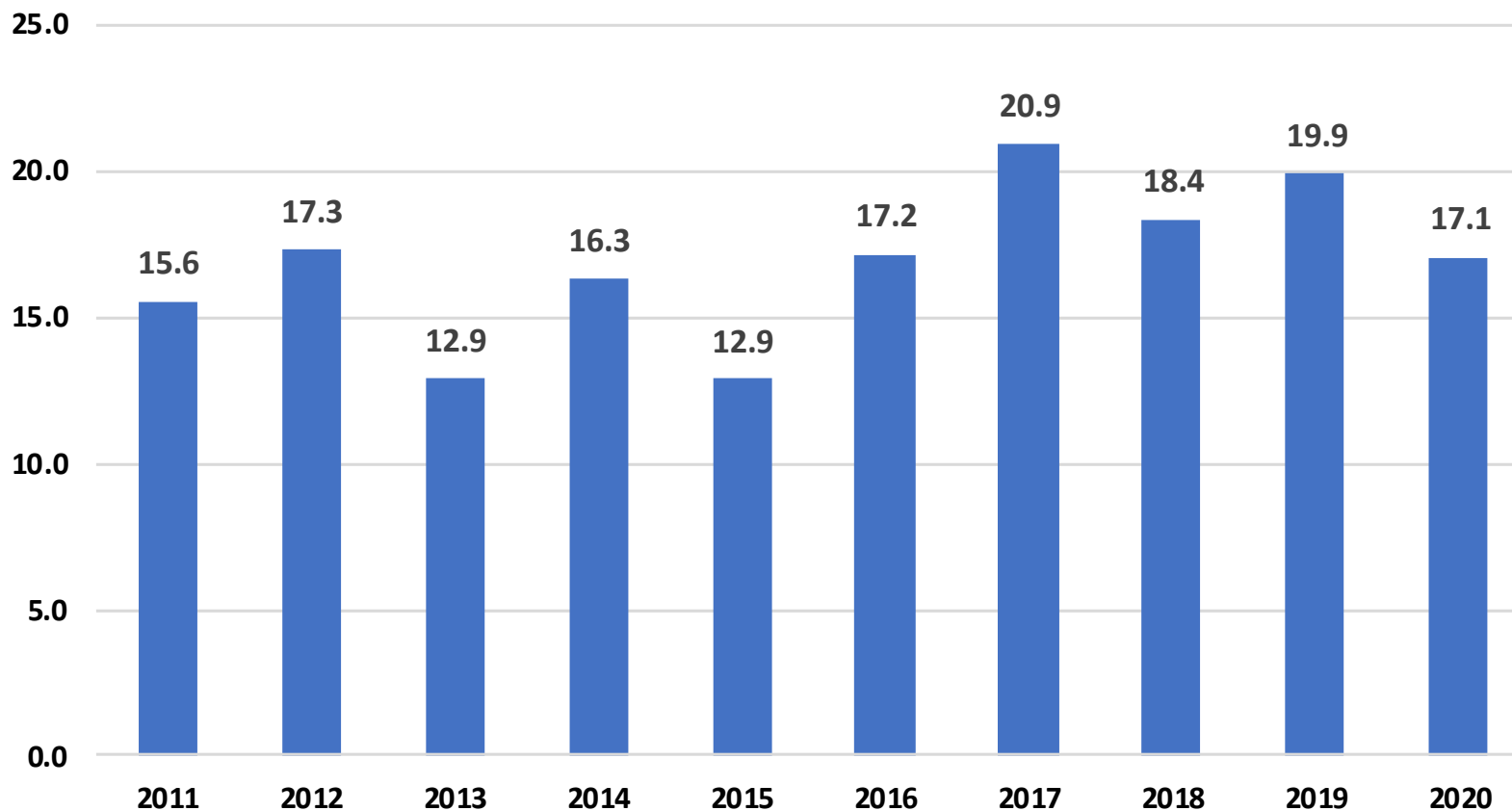




# September 2020 Cotton Production United States



Million Bales





# September 2020 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>254</b>	<b>249</b>	<b>1,561</b>	<b>Lb</b>	<b>3,889</b>	<b>Cwt</b>
% Change from Previous Estimate	↓ 16.4	↓ 16.5	N/A		N/A	
% Change from Previous Season	↓ 43.7	↓ 38.3	↑ 1.1		↓ 37.6	
<b>Pima Cotton</b>	<b>201</b>	<b>193</b>	<b>1,388</b>	<b>Lb</b>	<b>559</b>	<b>Bale</b>
% Change from Previous Estimate	↑ 2.8	↑ 1.8	↓ 1.0		↑ 0.8	
% Change from Previous Season	↓ 12.3	↓ 13.5	↓ 5.7		↓ 18.5	
<b>Upland Cotton</b>	<b>11,915</b>	<b>8,812</b>	<b>899</b>	<b>Lb</b>	<b>16,505</b>	<b>Bale</b>
% Change from Previous Estimate	↓ 0.6	↓ 2.7	↓ 3.2		↓ 5.8	
% Change from Previous Season	↓ 11.8	↓ 22.6	↑ 11.0		↓ 14.2	
<b>Lentils</b>	<b>518</b>	<b>486</b>	<b>1,338</b>	<b>Lb</b>	<b>6,504</b>	<b>Cwt</b>
% Change from Previous Estimate	↑ 5.3	↑ 5.4	N/A		N/A	
% Change from Previous Season	↑ 6.6	↑ 12.8	↑ 7.0		↑ 20.7	
<b>Peanuts</b>	<b>1,665</b>	<b>1,623</b>	<b>4,185</b>	<b>Lb</b>	<b>6,793,220</b>	<b>Lb</b>
% Change from Previous Estimate	↑ 10.0	↑ 10.2	↓ 0.8		↑ 9.3	
% Change from Previous Season	↑ 16.6	↑ 16.6	↑ 6.0		↑ 23.6	
<b>Dry Edible Peas</b>	<b>999</b>	<b>949</b>	<b>1,953</b>	<b>Lb</b>	<b>18,534</b>	<b>Cwt</b>
% Change from Previous Estimate	↑ 5.5	↑ 5.2	N/A		N/A	
% Change from Previous Season	↓ 9.4	↓ 9.8	↓ 8.1		↓ 17.1	



# September 2020 Field Crops

## Acreage, Yield, and Production

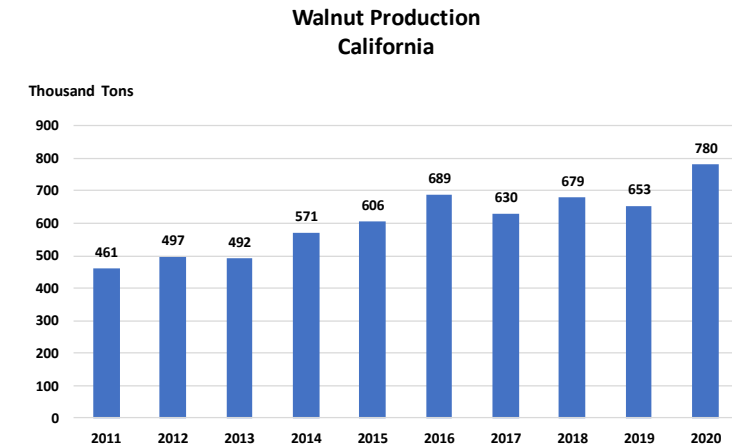
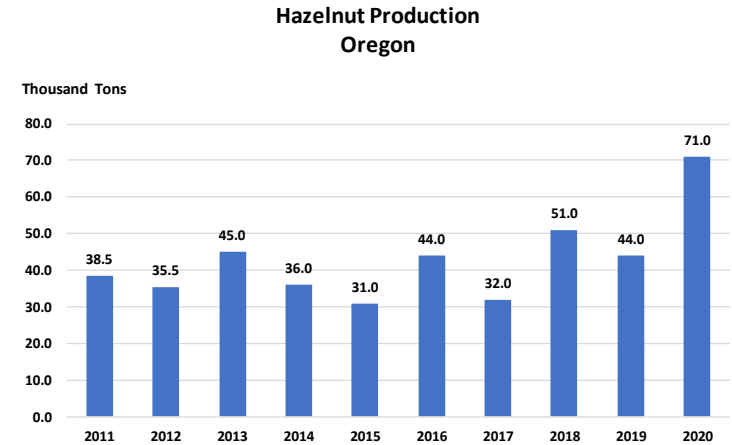
	Planted (1,000 Acres)	Harvested (1,000 Acres)	Yield (Units per Acre)	Unit	Production (1,000 Units)	Unit
<b>Rice</b>	<b>3,037</b>	<b>2,988</b>	<b>7,529</b>	<b>Lb</b>	<b>224,952</b>	<b>Cwt</b>
% Change from Previous Estimate	↑ 4.0	↑ 4.1	↓ 0.9		↑ 3.1	
% Change from Previous Season	↑ 19.6	↑ 20.9	↑ 0.8		↑ 21.8	
<b>Sorghum</b>	<b>5,620</b>	<b>4,845</b>	<b>73.9</b>	<b>Bu</b>	<b>357,910</b>	<b>Bu</b>
% Change from Previous Estimate	NC	NC	↓ 3.5		↓ 3.5	
% Change from Previous Season	↑ 6.7	↑ 3.6	↑ 1.2		↑ 4.8	
<b>Sugarcane</b>	<b>N/A</b>	<b>932</b>	<b>36.6</b>	<b>Ton</b>	<b>34,138</b>	<b>Ton</b>
% Change from Previous Estimate	N/A	↑ 0.9	↑ 1.1		↑ 2.0	
% Change from Previous Season	N/A	↑ 2.1	↑ 4.6		↑ 6.9	
<b>Sugarbeets</b>	<b>1,148</b>	<b>1,127</b>	<b>31.2</b>	<b>Ton</b>	<b>35,143</b>	<b>Ton</b>
% Change from Previous Estimate	NC	NC	↓ 0.6		↓ 0.7	
% Change from Previous Season	↑ 1.4	↑ 15.1	↑ 6.8		↑ 22.9	
<b>Tobacco</b>	<b>N/A</b>	<b>196</b>	<b>1,880</b>	<b>Lb</b>	<b>368,065</b>	<b>Lb</b>
% Change from Previous Estimate	N/A	↓ 0.5	↓ 0.6		↓ 1.1	
% Change from Previous Season	N/A	↓ 13.8	↓ 8.7		↓ 21.3	



# September 2020 Fruit and Nuts Production



	Production (1,000 Units)	Unit
<b>Hazelnuts (OR)</b>	<b>71.0</b>	<b>Ton</b>
% Change from Previous Estimate	N/A	
% Change from Previous Season	↑ 61.4	
<b>Navel Oranges (CA)</b>	<b>1,680</b>	<b>Ton</b>
% Change from Previous Estimate	N/A	
% Change from Previous Season	↓ 5.2	
<b>Walnuts (CA)</b>	<b>780</b>	<b>Ton</b>
% Change from Previous Estimate	N/A	
% Change from Previous Season	↑ 19.4	







# Selected Upcoming Reports



<b>September 24</b>	<b>Hogs and Pigs</b>
<b>September 25</b>	<b>Cattle on Feed</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 Crushings</b>
<b>October 9</b>	<b>Cotton Ginnings Crop Production</b>

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



# USDA NASS Data Users' Meeting



2020  
**Data Users'**  
**Virtual Meeting**  
WEDNESDAY, OCTOBER 28  
**FREE AND OPEN TO THE PUBLIC**

County	Area	Area (sq mi)	Area (sq mi)	Area (sq mi)	Area (sq mi)	Area (sq mi)	Area (sq mi)	Area (sq mi)	Area (sq mi)
...	...	...	...	...	...	...	...	...	...

Wednesday, October 28, 2020  
12:30 p.m. – 3:30 p.m. EDT

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 on Friday, Sept. 11 at 1 p.m. ET to discuss the *Crop Production* report with Lance Honig.

**FRI,  
SEPT. 11  
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)