El Niño will shape fall weather and impacts of wildfire smoke are as of yet unknown, USDA meteorologist says

USDA meteorologist Brad Rippey spoke Thursday, Sept. 14, 2023, at the Big Iron Farm Show and gave his outlook for the fall and winter.



USDA Meteorologist Brad Rippey, right, spoke to Randy Koenen of the Red River Farm Network during the Big Iron Farm Show Sept. 14, 2023, in West Fargo, North Dakota. Jenny Schlecht / Agweek



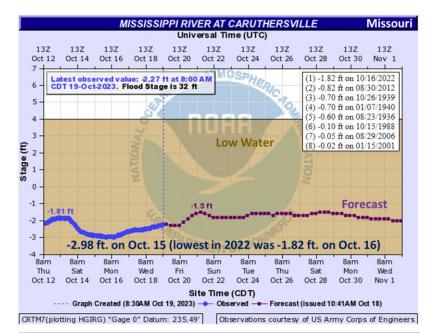
RECENT RECORD LOW WATER STAGES

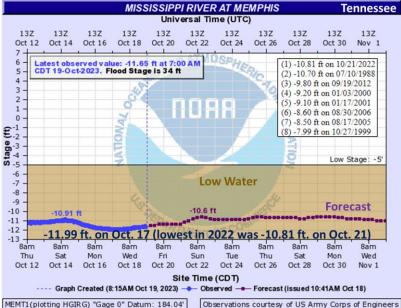
on the Mississippi River

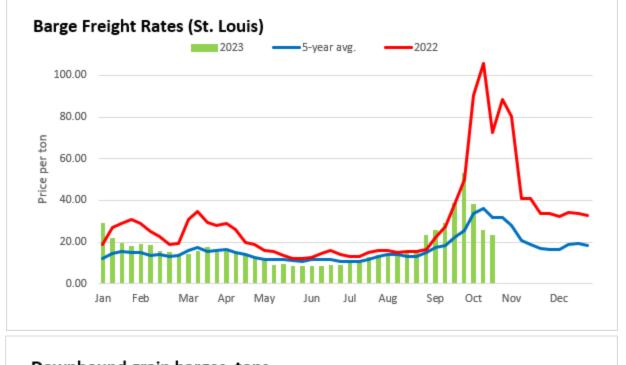


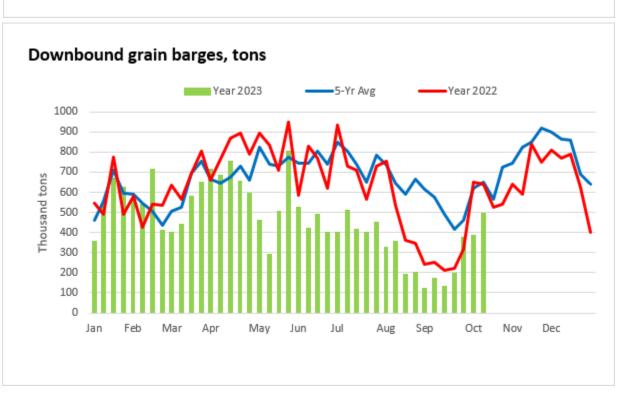
River and Barge Highlights, Mississippi Basin

- Modern low-water records from Oct. 2022 have been broken from Cairo, Illinois, to just below Memphis, Tennessee.
- For the second year in a row, low water comes as Midwestern corn and soybean harvests are underway.
- Some 60% of all grain shipped from the U.S. typically moves through New Orleans.
- Shipping volume on the waterway is lower than usual for several reasons: grain/oilseeds are being stored; each boat is pushing fewer barges; and each barge is carrying less than it normally would, according to industry sources.
- A barge carries 1,750 tons of dry cargo, the equivalent of 70 trucks. A tow hauling 15 barges can carry more than 900,000 bushels of grain, according to the U.S. Army Corps of Engineers.









For the week of Oct. 17, the spot freight rate at St. Louis fell to \$23.06/ton, down 10% from the previous week and 68% from the same time a year ago. Shippers appear to be looking at ways to keep their grain off the river or waiting for river conditions to improve.

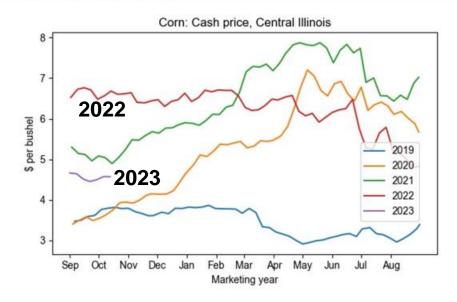
Farmers are storing as much grain as possible until river conditions improve but noted there could be a backlog of grain in coming months. According to some analysts, low water levels could divert more grain to truck and rail at higher freight costs. There have been seven barge groundings since Oct. 13.

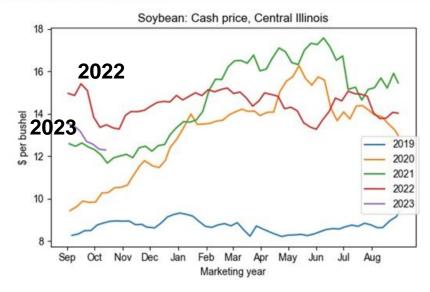
2023: drought again in the western Corn Belt; drought arrives later in the east

- There was minimal heat stress east of the Mississippi River, despite pockets of drought.
- It was hotter in western areas.
- Drought cut crop prospects in the upper Mississippi Valley.
- With U.S. corn acreage up, production was virtually tied with the record set in 2016 and 2021.
- Improved conditions on the High Plains benefited crops such as oats and sorghum.
- Commodity prices declined compared to a year ago, in part due to slight easing of inflation but also due to other factors (e.g. S. American production).

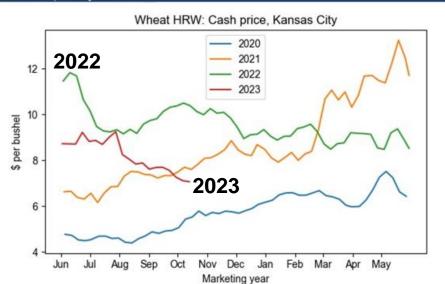




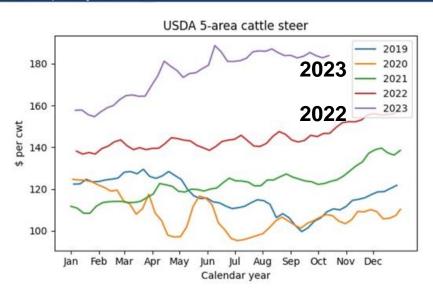


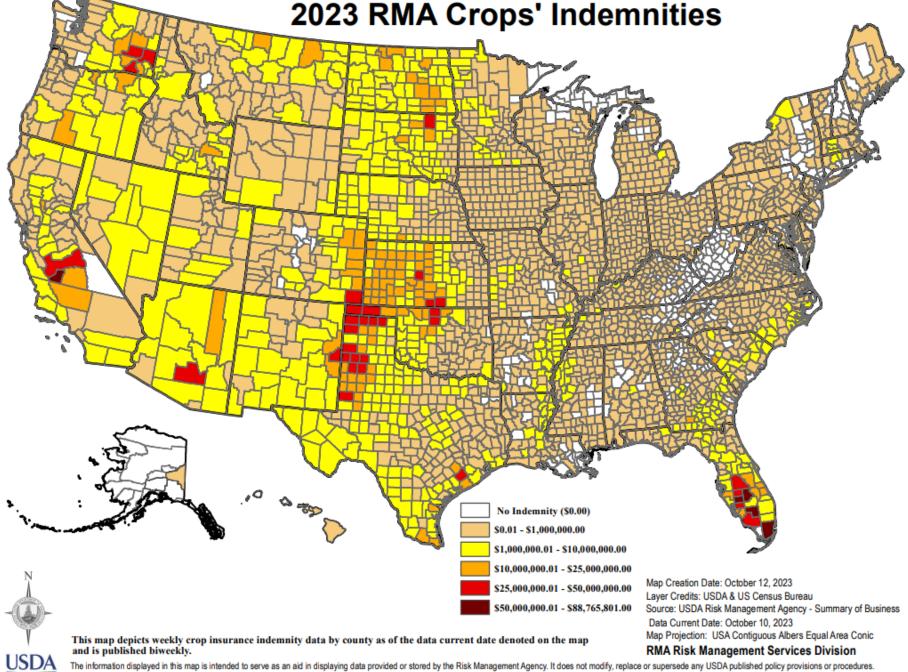






USDA Office of the Chief Economist United States Department of Agriculture





The information displayed in this map is intended to serve as an aid in displaying data provided or stored by the Risk Management Agency. It does not modify, replace or supersede any USDA published policy provisions or procedure

Maps created by USDA Risk Management Agency are for spatial and visual context for depicting the basic information for "where". Maps are not considered a survey. General Reference Only.

-- Public Information --

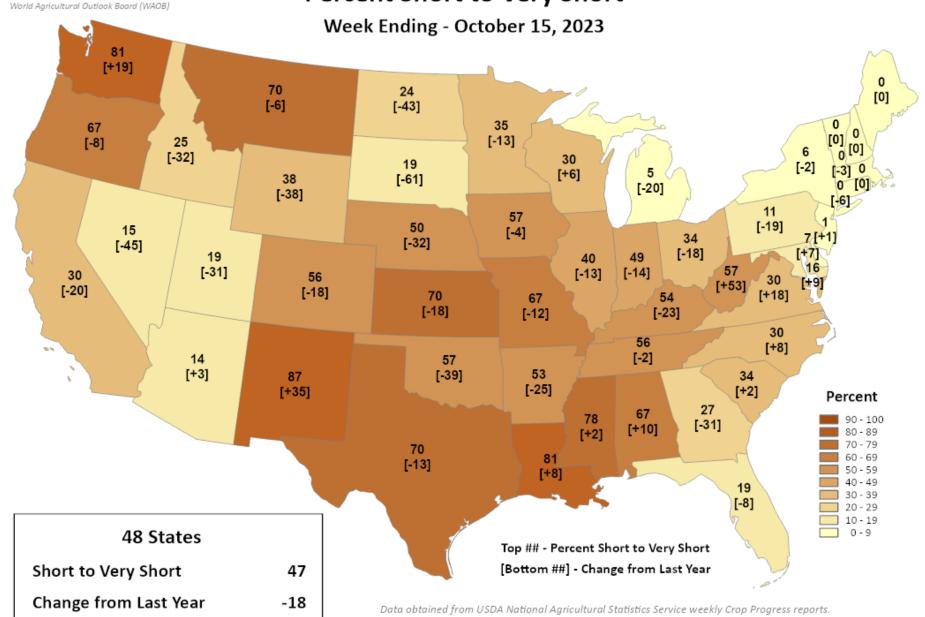


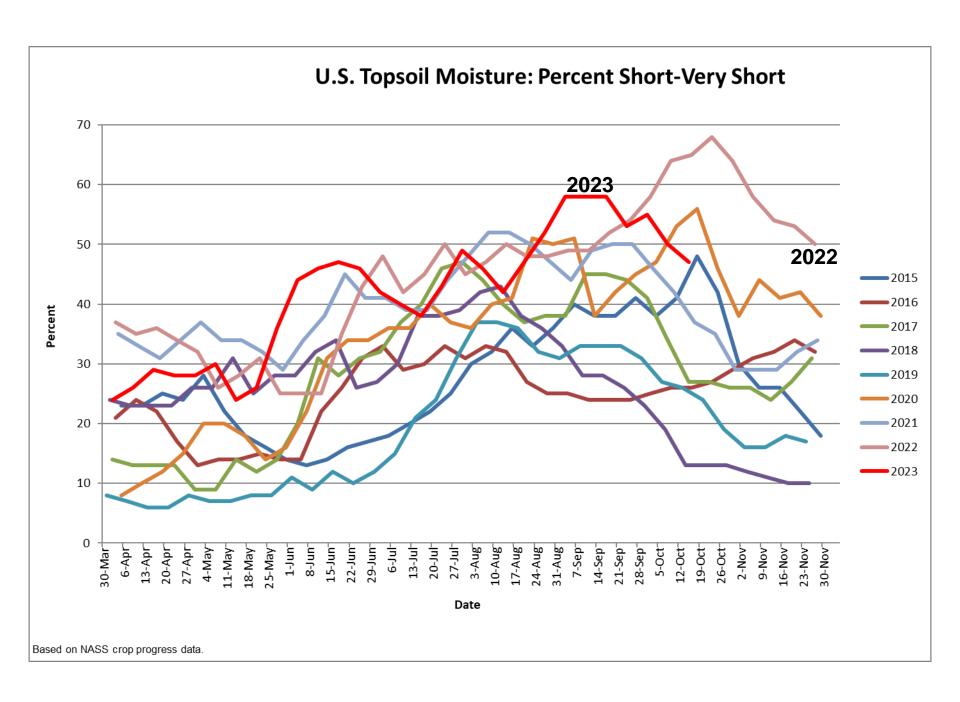
USDA Office of the Chief Economist (OCE)

This product was prepared by the

Topsoil Moisture

Percent Short to Very Short





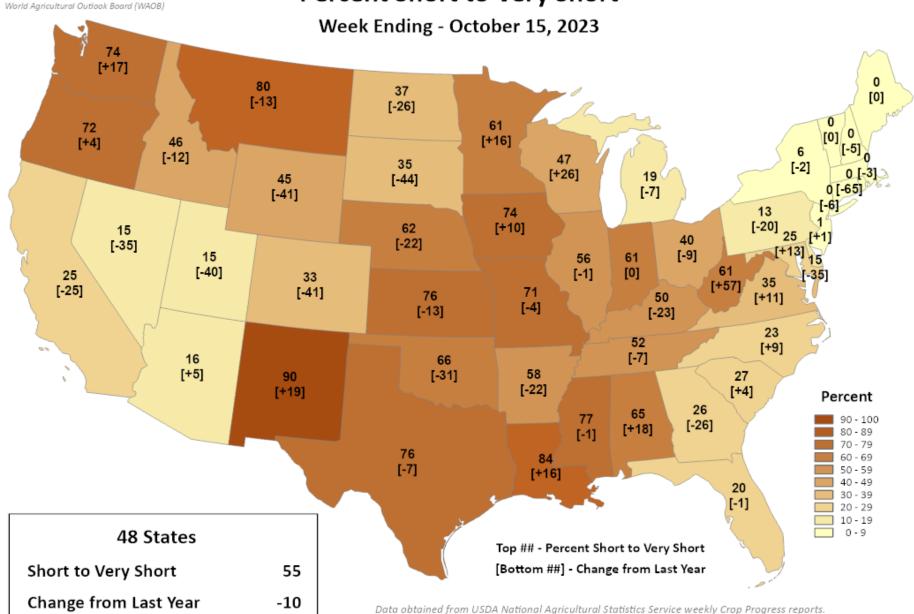


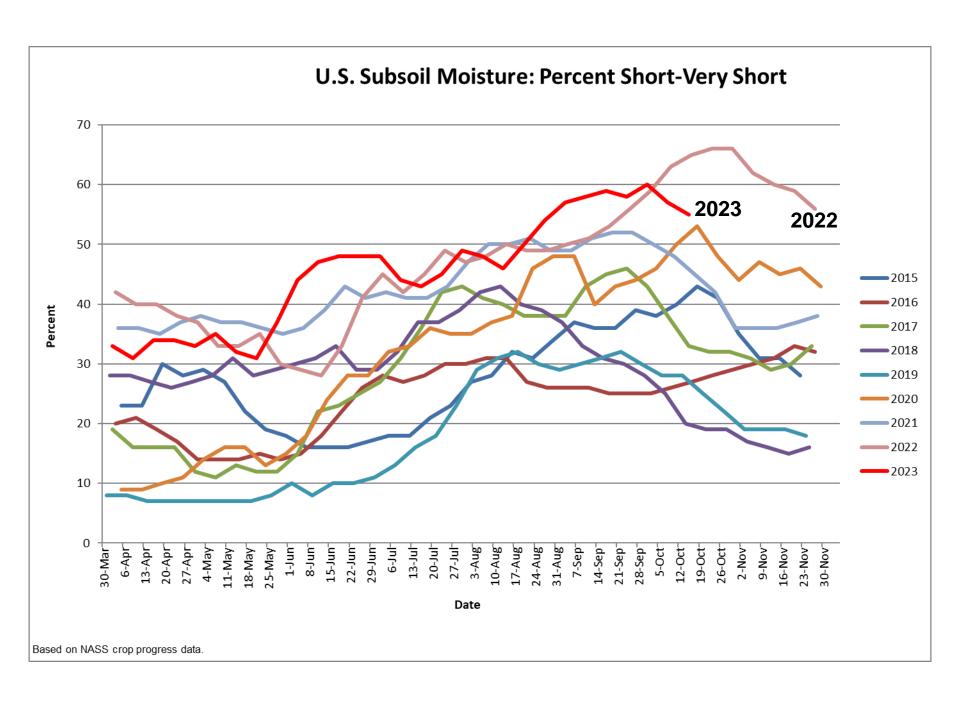
USDA Office of the Chief Economist (OCE)

This product was prepared by the

Subsoil Moisture

Percent Short to Very Short

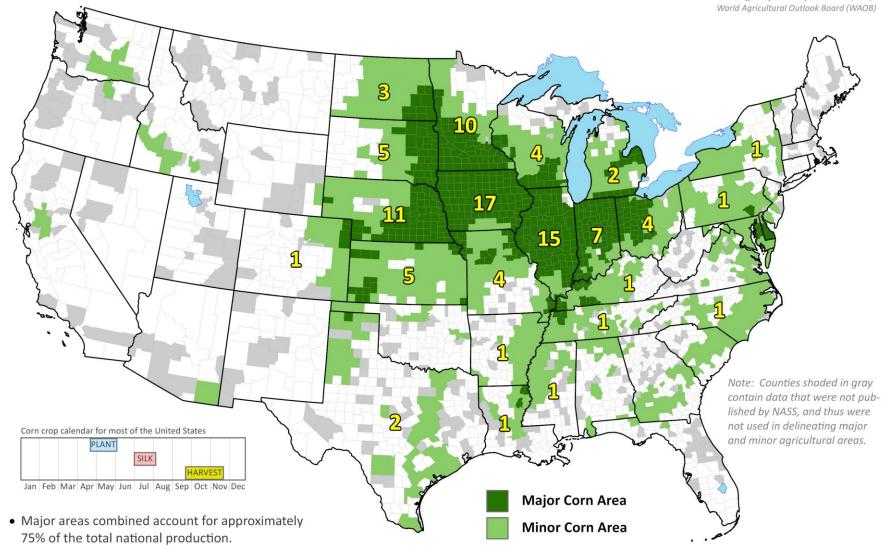




United States: Corn



This product was prepared by the USDA Office of the Chief Economist (OCE) World Agricultural Outlook Board (WAOB)



 Major and minor areas combined account for approximately 99% of the total national production.

• Major and minor areas and state production percentages are derived from NASS 2017 Census of Agriculture data.

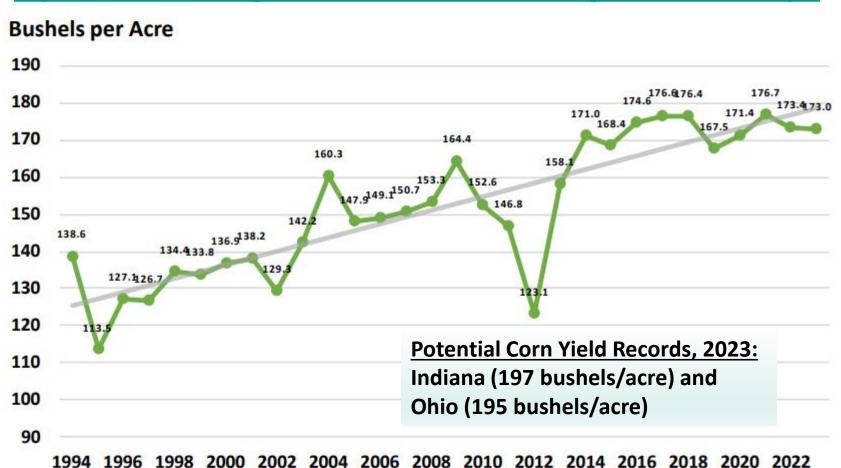
Yellow numbers approximate the percent each state contributed to the total national production. States not numbered contributed less than 1% to the national total or the state production was not disclosed by NASS.



Corn Yield United States



https://www.nass.usda.gov/Newsroom/Executive_Briefings/2023/10-12-2023.pdf

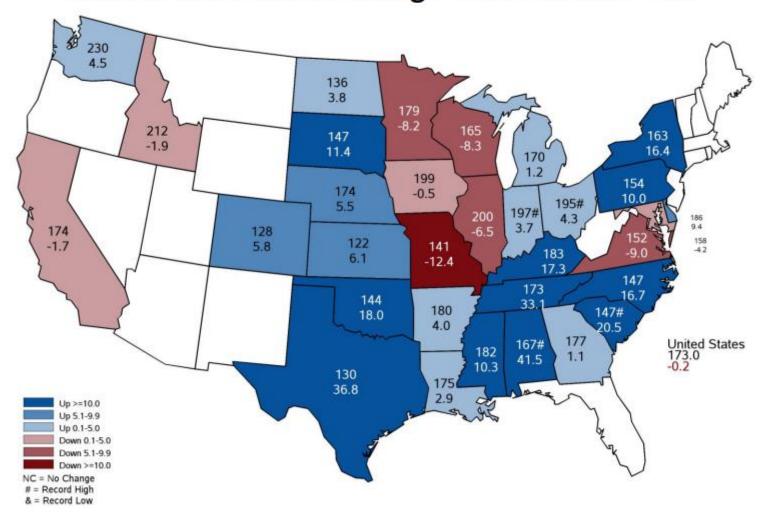




October 2023 Corn Yield



Bushels and Percent Change from Previous Year



https://www.nass.usda.gov/Newsroom/Executive_Briefings/2023/10-12-2023.pdf

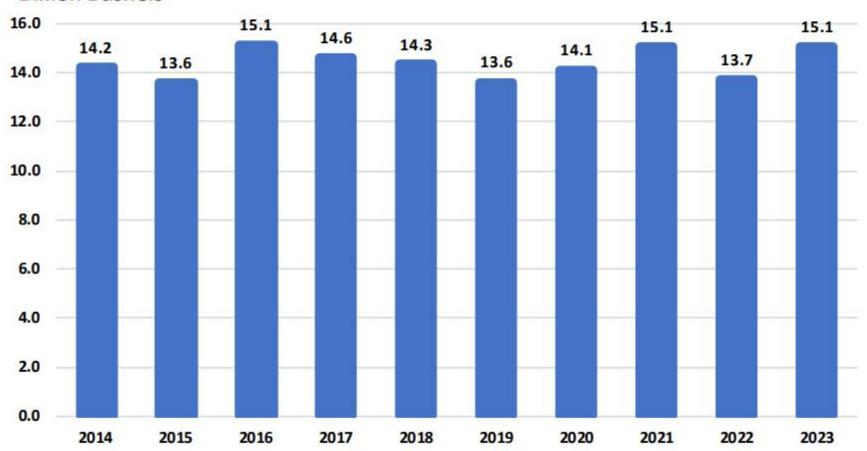


Corn Production United States



https://www.nass.usda.gov/Newsroom/Executive_Briefings/2023/10-12-2023.pdf

Billion Bushels

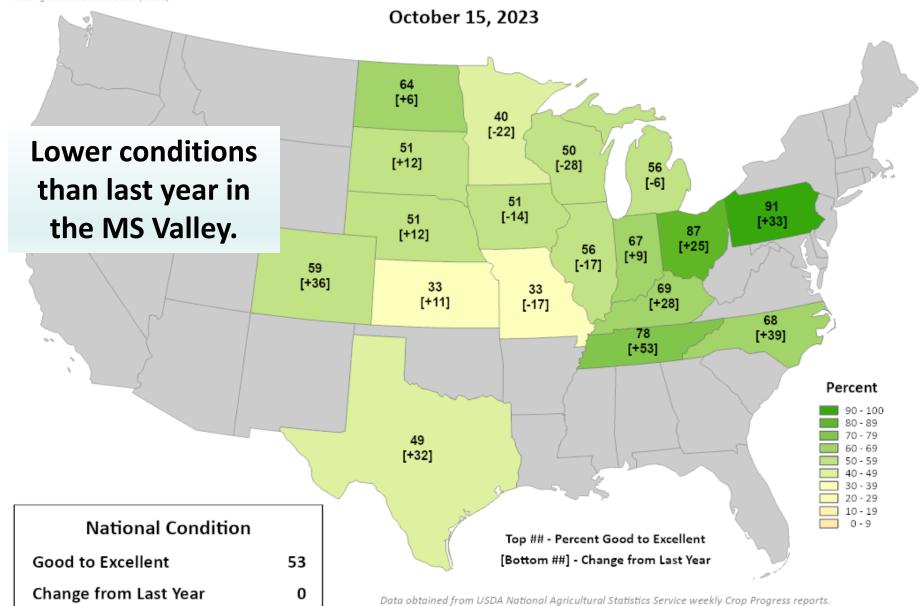




Corn Conditions

Percent Good to Excellent

This product was prepared by the USDA Office of the Chief Economist (OCE) World Agricultural Outlook Board (WAOB)



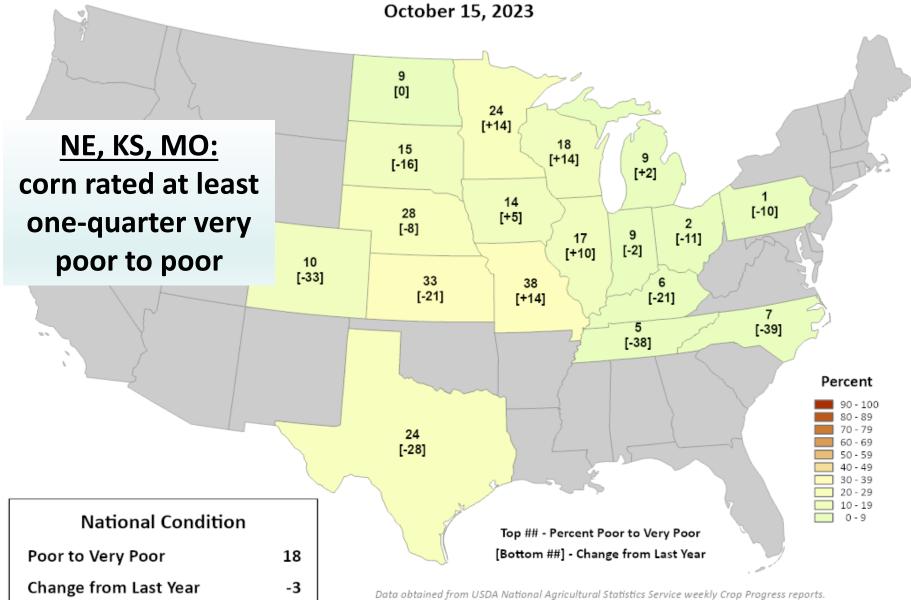


This product was prepared by the

Corn Conditions

Percent Poor to Very Poor

USDA Office of the Chief Economist (OCE) World Agricultural Outlook Board (WAOB)

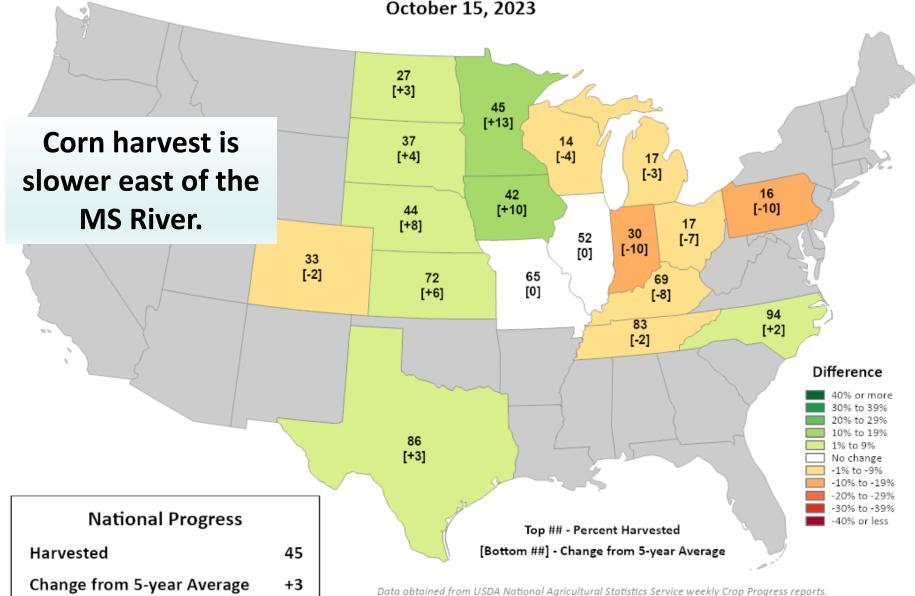




Corn Progress

Percent Harvested

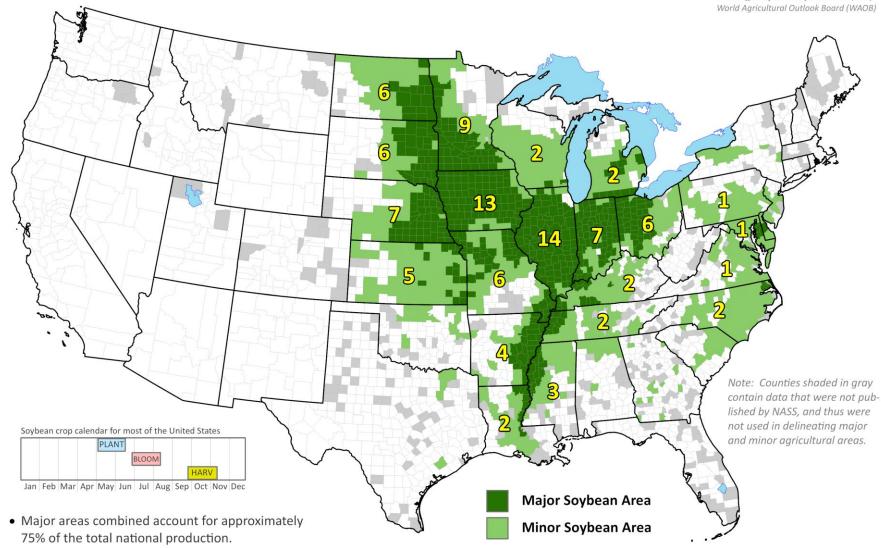
October 15, 2023



United States: Soybeans



This product was prepared by the USDA Office of the Chief Economist (OCE) World Agricultural Outlook Board (WAOB)



 Major and minor areas combined account for approximately 99% of the total national production.
 Major and minor areas and state production percent

 Major and minor areas and state production percentages are derived from NASS 2017 Census of Agriculture data. Yellow numbers approximate the percent each state contributed to the total national production. States not numbered contributed less than 1% to the national total or the state production was not disclosed by NASS.

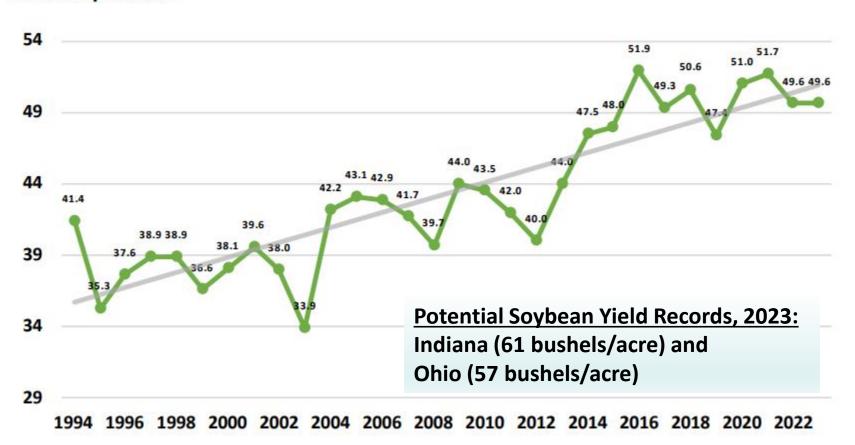


Soybean Yield United States



https://www.nass.usda.gov/Newsroom/Executive_Briefings/2023/10-12-2023.pdf

Bushels per Acre



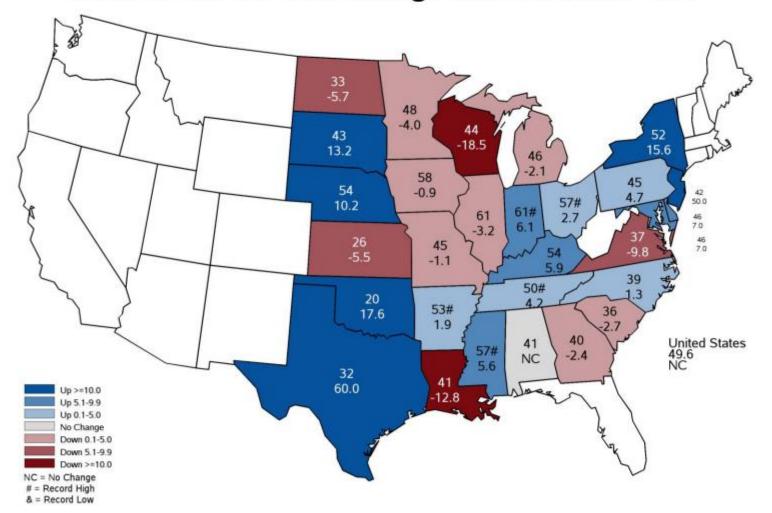
United States Department of Agriculture
National Agricultural Statistics Service



October 2023 Soybean Yield



Bushels and Percent Change from Previous Year



https://www.nass.usda.gov/Newsroom/Executive_Briefings/2023/10-12-2023.pdf



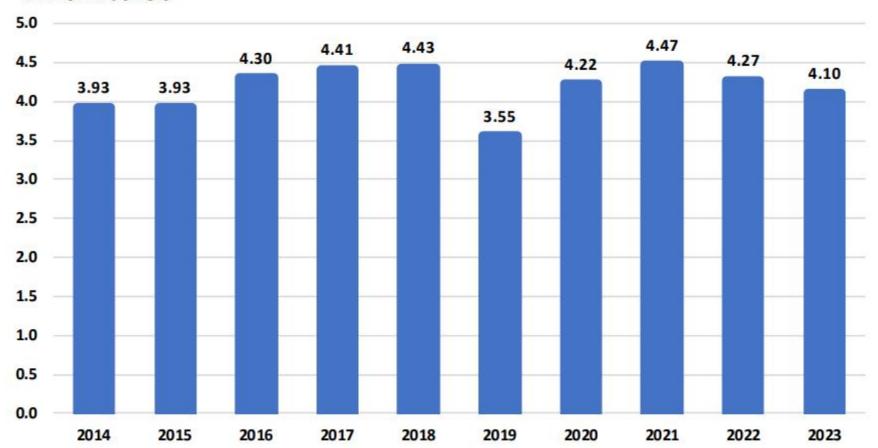
Soybean Production



United States

https://www.nass.usda.gov/Newsroom/Executive_Briefings/2023/10-12-2023.pdf

Billion Bushels





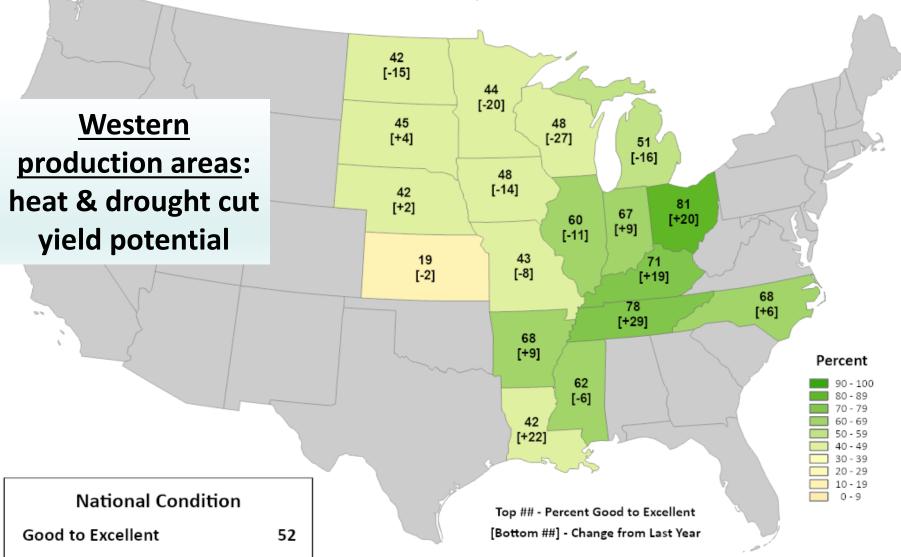
Change from Last Year

-5

Soybean Conditions

Percent Good to Excellent

October 15, 2023



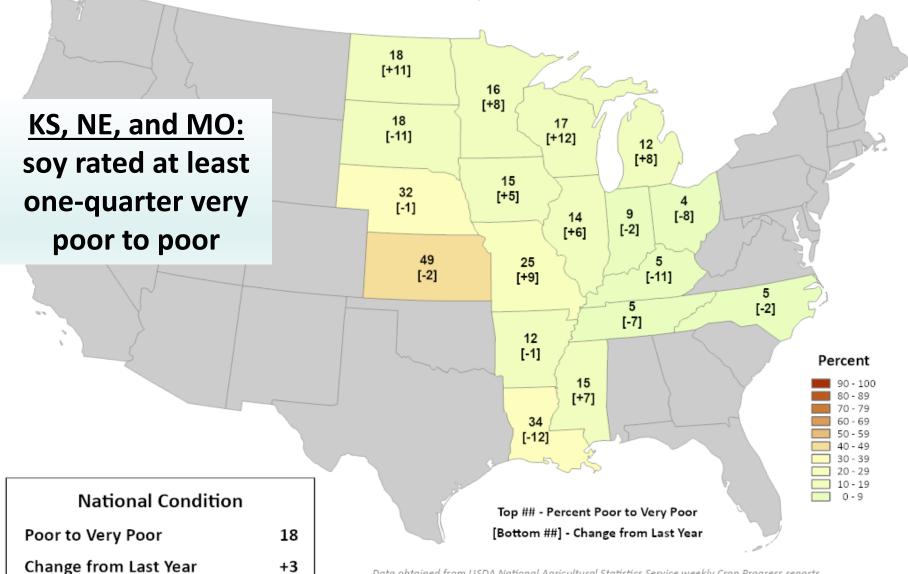
Data obtained from USDA National Agricultural Statistics Service weekly Crop Progress reports.



Soybean Conditions

Percent Poor to Very Poor

October 15, 2023



Data obtained from USDA National Agricultural Statistics Service weekly Crop Progress reports.



Soybeans Progress

Percent Harvested

October 15, 2023

Soy harvest is progressing rapidly, except in a few eastern production areas.

66 [+7] 76 [+10]72 [+13] [+11] 32 [-6] 74 70 [+20] 49 [+8] 52 [+1] 61 [+1] [+8] 57 46 [+23] [+18] [-2] 18 46 [-4] [+4] 72 [+21] Difference 40% or more 88 30% to 39% [+15] 20% to 29% 10% to 19% 95 1% to 9% [+7]No change -1% to -9% -10% to -19% -20% to -29% -30% to -39% -40% or less Top ## - Percent Harvested [Bottom ##] - Change from 5-year Average

National Progress

Harvested 62

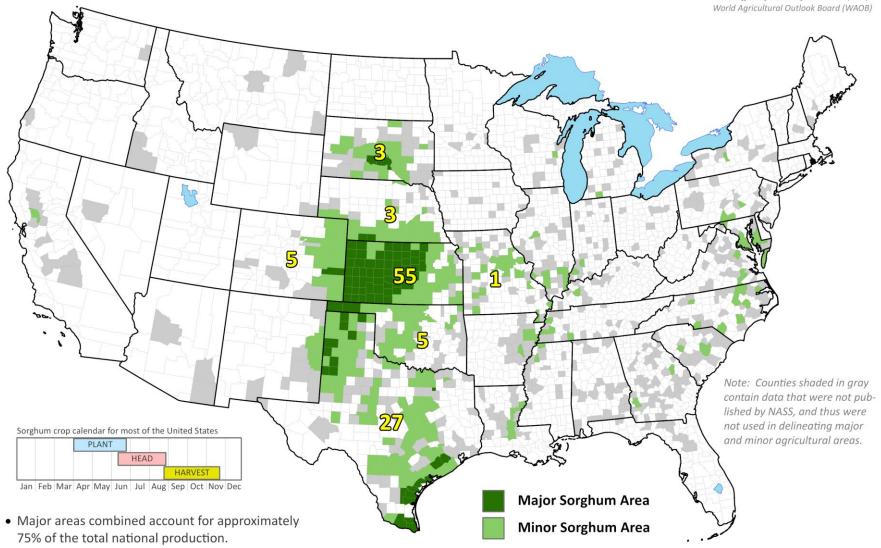
Change from 5-year Average +10

Data obtained from USDA National Agricultural Statistics Service weekly Crop Progress reports.

United States: Sorghum



This product was prepared by the USDA Office of the Chief Economist (OCE) World Agricultural Outlook Board (WAOB)



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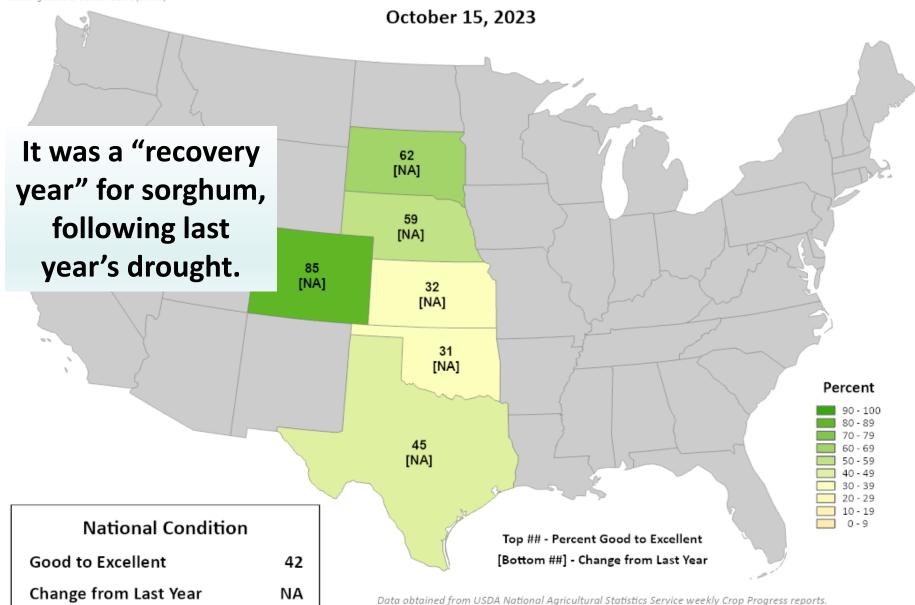
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Sorghum Conditions

Percent Good to Excellent

This product was prepared by the USDA Office of the Chief Economist (OCE) World Agricultural Outlook Board (WAOB)

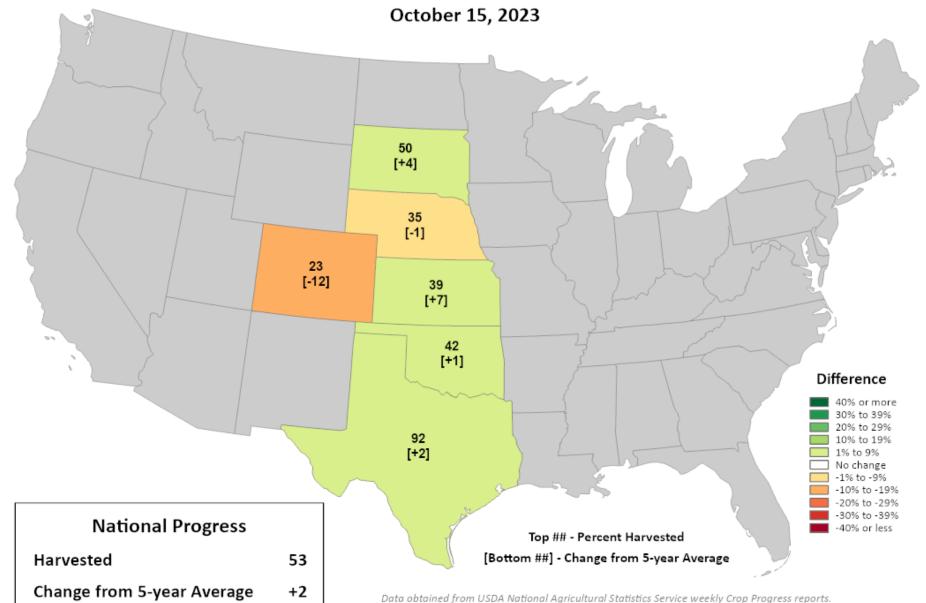




Sorghum Progress

Percent Harvested





Other Agricultural Highlights

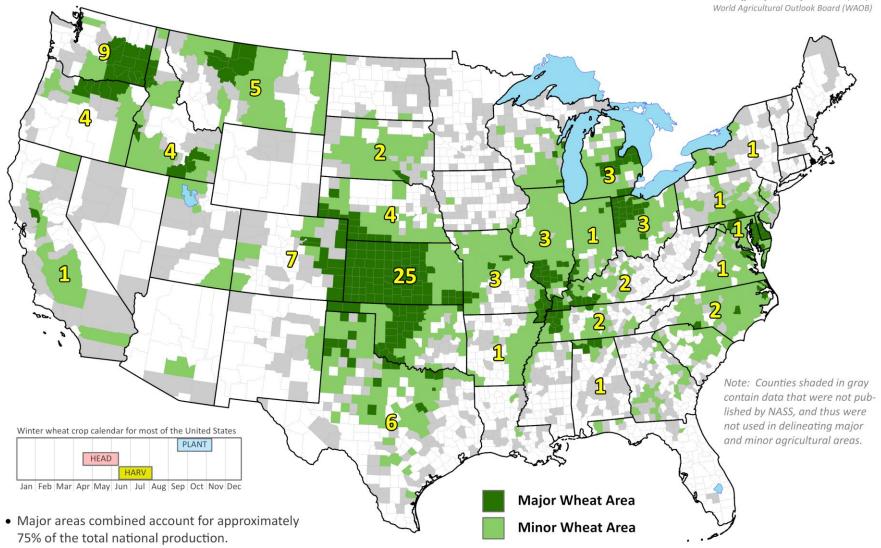
Spring Wheat: Crop condition trailed off as the year progressed. Yield was down less than 1% from 2022; production was up 5%. Durum Wheat: Crop was hurt by hot, dry weather, yield was down 9% from 2022, while production was down 7%. Sunflowers: Production was down 22% from 2022, mainly due to a 21% decrease in harvested area. Yield was down 1%. Sugarbeets: Yield and production were both down 6% from 2022. Winter Wheat: Parts of Plains were hurt by drought. Compared to 2022, yield was up 8%, while production was up 13%. However, abandonment also increased, from 29.5% in 2022 to 32.7% in 2023. Hay: Improved conditions on the High Plains boosted U.S. yield by

3%, compared to 2022, while production rose 8%.

United States: Winter Wheat



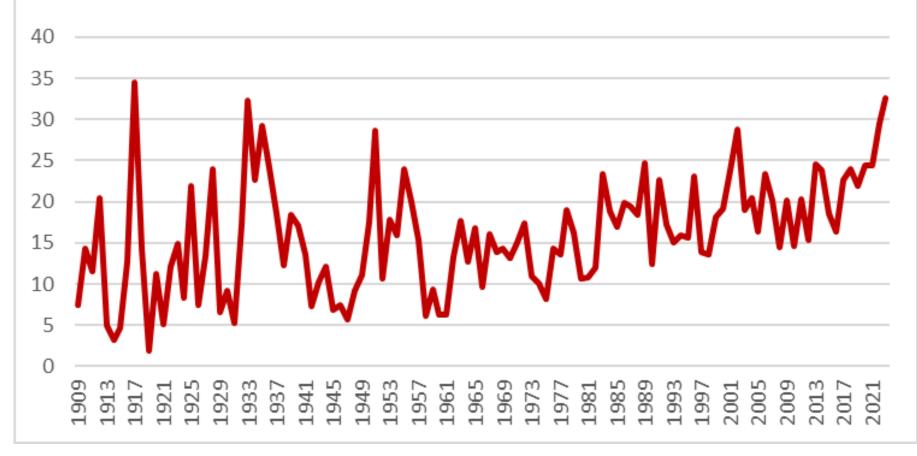
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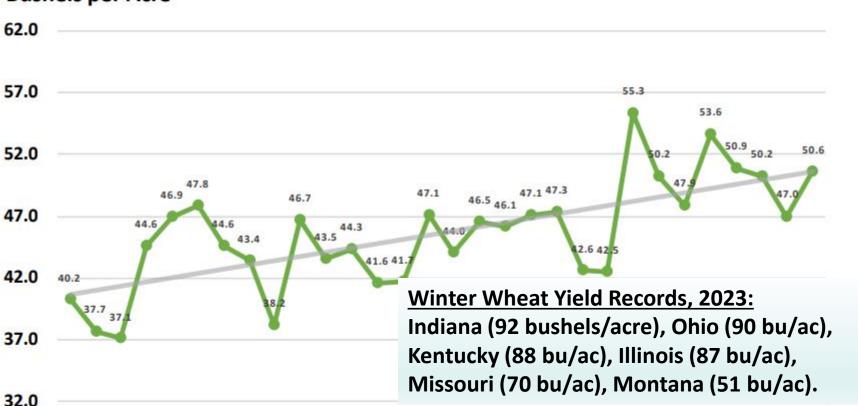




Winter Wheat Yield United States







1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022

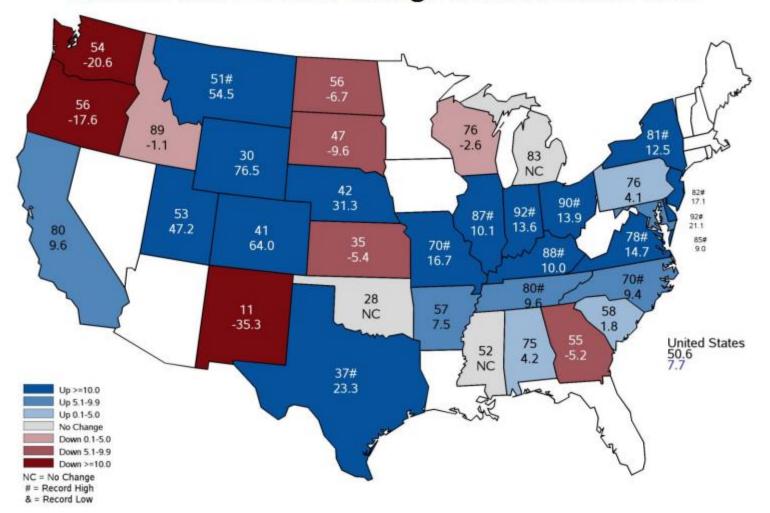
https://www.nass.usda.gov/Newsroom/Executive_Briefings/2023/09-29-2023.pdf



2023 Winter Wheat Yield



Bushels and Percent Change from Previous Year



https://www.nass.usda.gov/Newsroom/Executive_Briefings/2023/09-29-2023.pdf



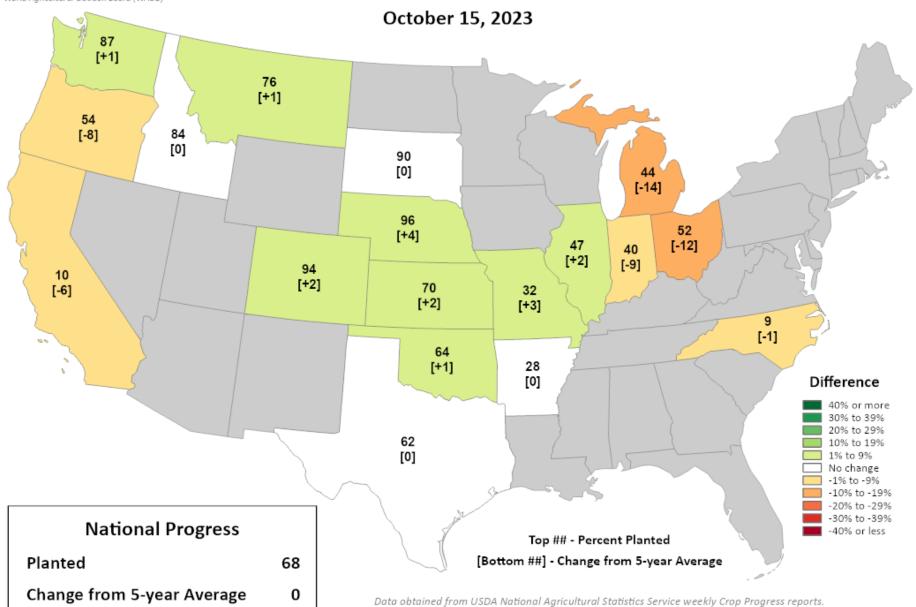
USDA Office of the Chief Economist (OCE)

This product was prepared by the

Winter Wheat Progress

Percent Planted



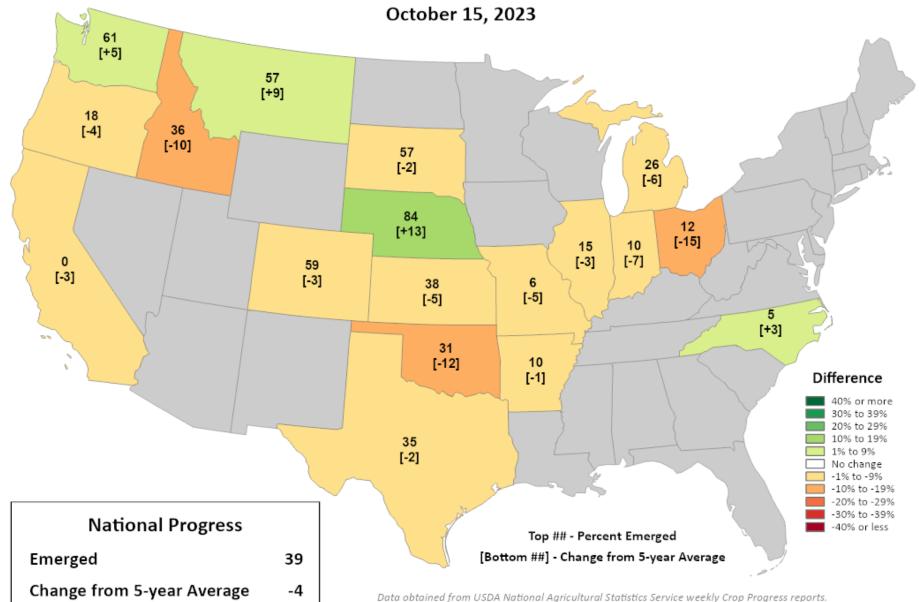




Winter Wheat Progress

Percent Emerged

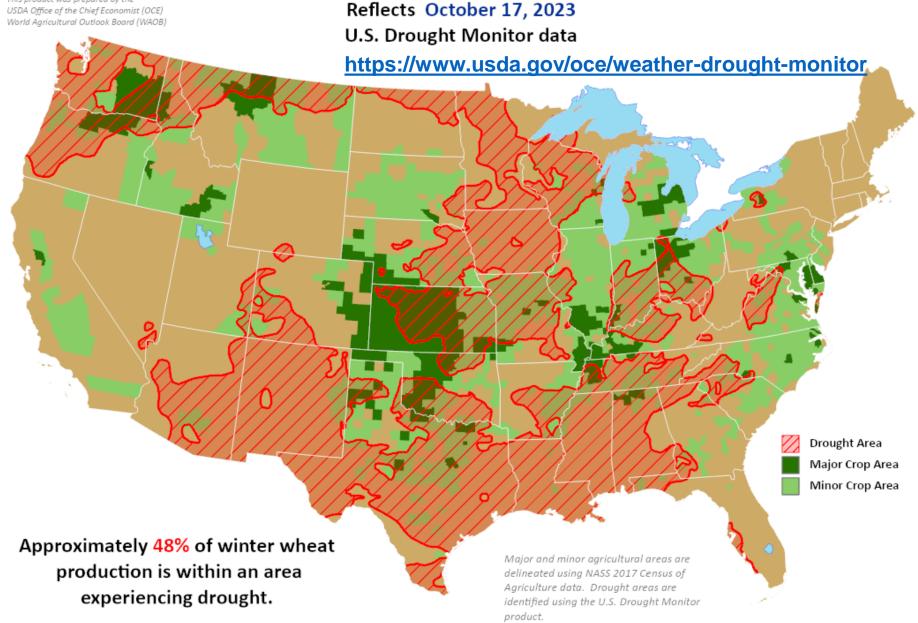




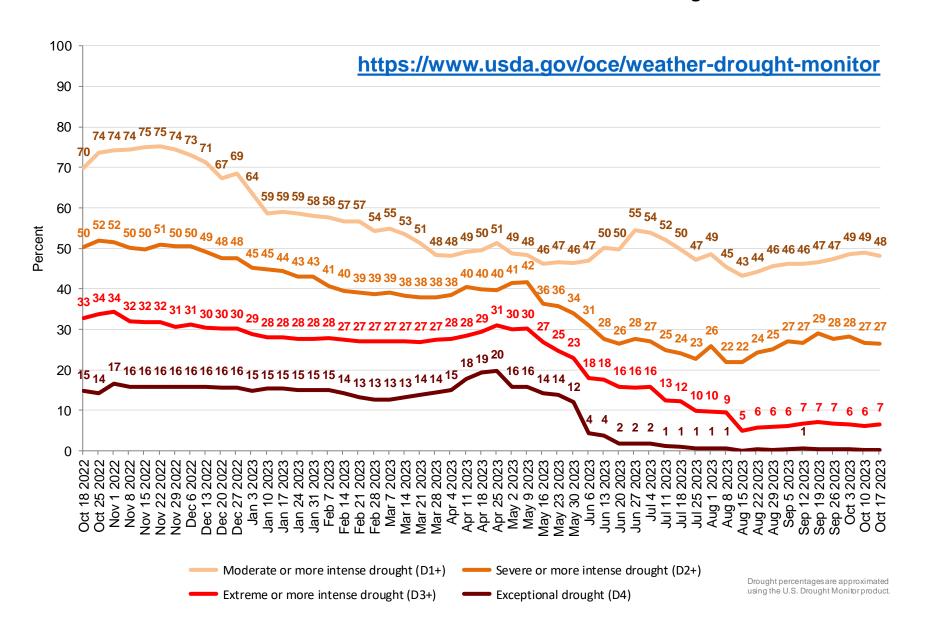


Winter Wheat Areas in Drought





Percent of United States Winter Wheat Located in Drought

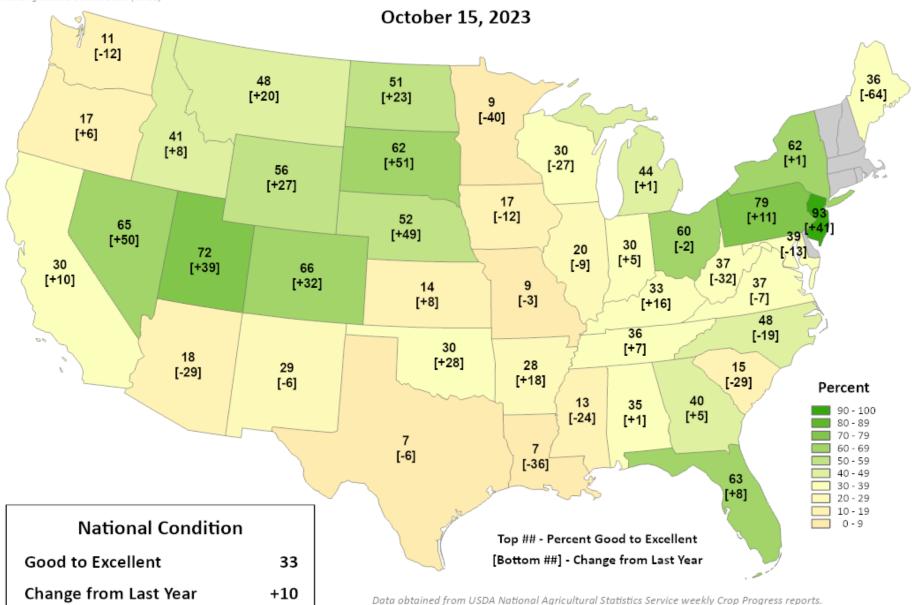




Pasture and Range Conditions

This product was prepared by the USDA Office of the Chief Economist (OCE) World Agricultural Outlook Board (WAOB)

Percent Good to Excellent

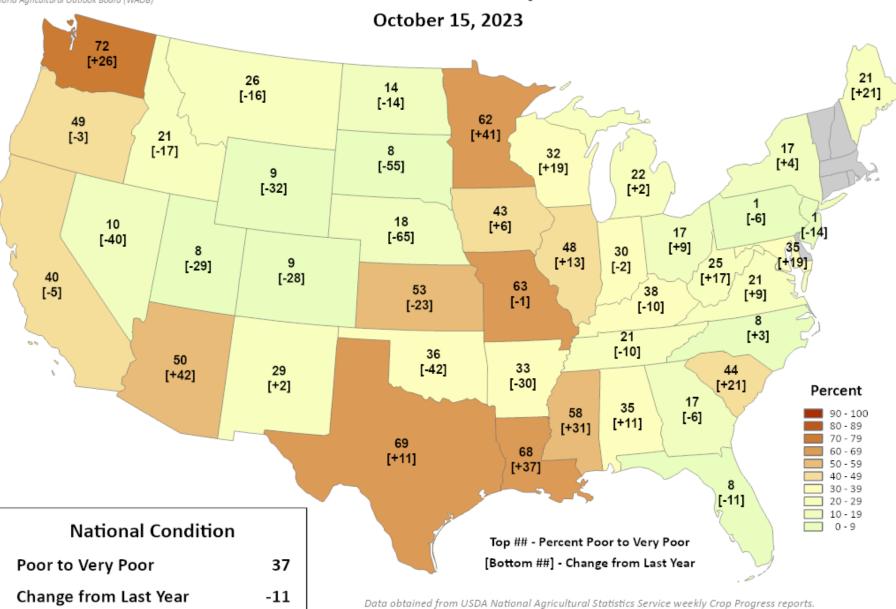


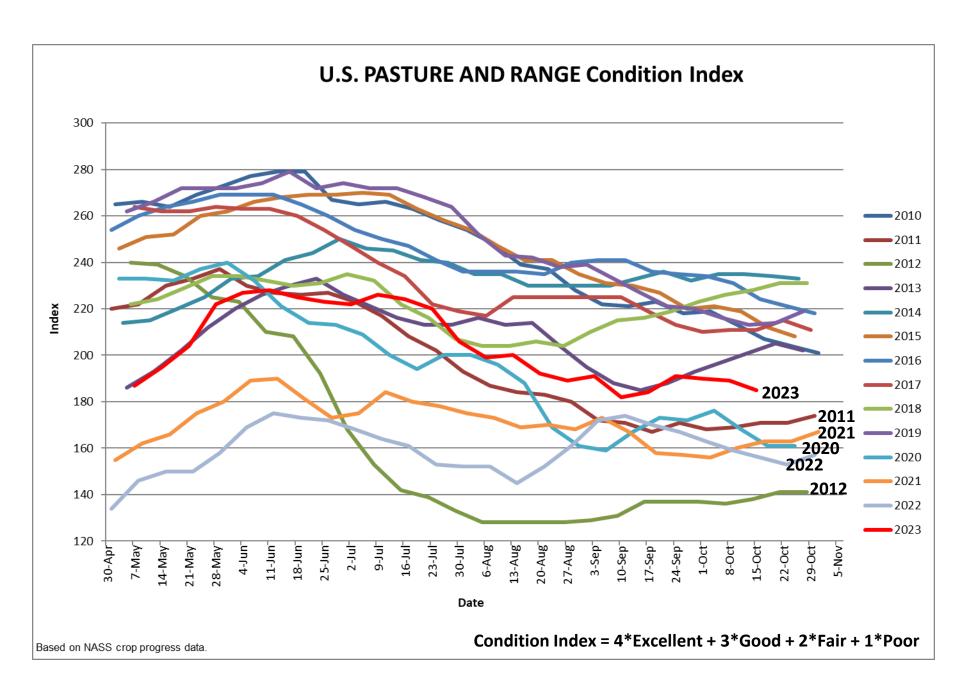


Pasture and Range Conditions

Percent Poor to Very Poor

This product was prepared by the USDA Office of the Chief Economist (OCE) World Agricultural Outlook Board (WAOB)





August 2023 Prices Paid by Farmers

Agricultural Prices:

https://usda.library.cornell.edu/concern/publications/c821gj76b

The August Prices Paid Index for Commodities and Services, Interest, Taxes, and Farm Wage Rates (PPITW), at 138.5, is up 0.1 percent from July but down 0.6 percent from August 2022.

Feed: At 129.3, the August index decreased 2.0 percent from July and decreased 9.5 percent from August 2022.

Livestock and poultry: The August index, at 159.0, increased 1.6 percent from July and increased 27 percent from last year.

<u>Fertilizer</u>: The index for August, at 103.4, is down 2.9 percent from July and down 29 percent from August a year ago.



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Washington, D.C.

Email: brad.rippey@usda.go