

# AgWOW

## Ag Weather Outlook for Wisconsin

*Week of August 26, 2025*

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# Key Points

Navigate to select slides by clicking on the [links](#) below.

- 1) Last week was [quite dry](#) across most of WI, with some [cooler-than-average days](#) for late August.
- 2) The [corn and soybean](#) crops in WI are nearly all in the reproductive phases of their growth cycle.
- 3) [Soil moisture](#) declined after a [dry week](#), but [drought](#) is still non-existent in the state.
- 4) Early September is leaning towards [near normal conditions](#) for most.
  - For this week's agronomic recommendations from UW Extension, click [here](#).
  - For this week's crop progress updates from USDA NASS, click [here](#).

# Wx Highlight → A taste of fall

Average Temperature (°F): Departure from 1991-2020 Normals

August 24, 2025 to August 25, 2025

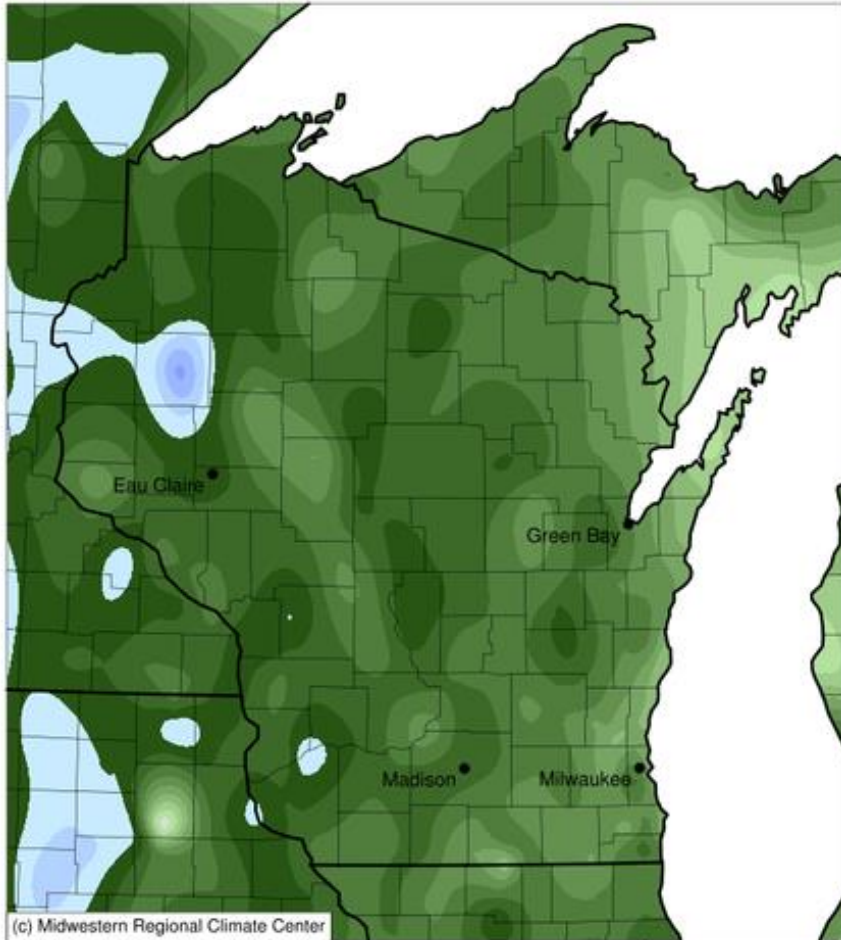


Table shows the departure from average temperature by climate division

➤ Several degrees below average on August 24 and 25 (Source: ACIS)

Climate Division	Aug 19	Aug 20	Aug 21	Aug 22	Aug 23	Aug 24	Aug 25
WI-1 (NW)	-4.6	+3.1	-0.1	+2.1	-1.4	-10.1	-11.9
WI-2 (NC)	-7.1	+1.5	-1.8	+0.4	-1.3	-8.7	-12.2
WI-3 (NE)	-13.4	-1.0	-5.6	-3.0	-0.4	-5.8	-9.1
WI-4 (WC)	-1.3	+4.4	+1.2	+0.3	-2.7	-9.0	-10.1
WI-5 (C)	-5.0	+1.4	-3.0	-2.2	-1.3	-7.3	-9.5
WI-6 (EC)	-7.6	-3.2	-3.9	-0.5	-0.2	-5.1	-7.7
WI-7 (SW)	+0.1	+2.7	-0.3	-1.8	+0.6	-6.5	-8.8
WI-8 (SC)	-1.2	-0.2	-2.6	-1.1	+0.7	-4.2	-8.9
WI-9 (SE)	-1.6	-3.2	-3.5	-1.4	+1.5	-2.7	-7.5

- Morning of August 26 → **11 Wisconet stations** had lows in the 30s
  - Lowest → 34.2°F (Knight, Iron County)
- Morning of August 25 → 39.7°F @ Crandon, Forest County



# Citizen Science Opportunity: *Special Promo*

## CoCoRaHS – Community Collaborative Rain, Hail, & Snow Network

### The Mission

(From cocorahs.org)

- Provide accurate high-quality precipitation data for end-users;
- Increasing the density of precipitation data available throughout the country;
- Encouraging citizens to have fun participating in meteorological science and heightening their awareness about weather;
- Providing weather education opportunities.



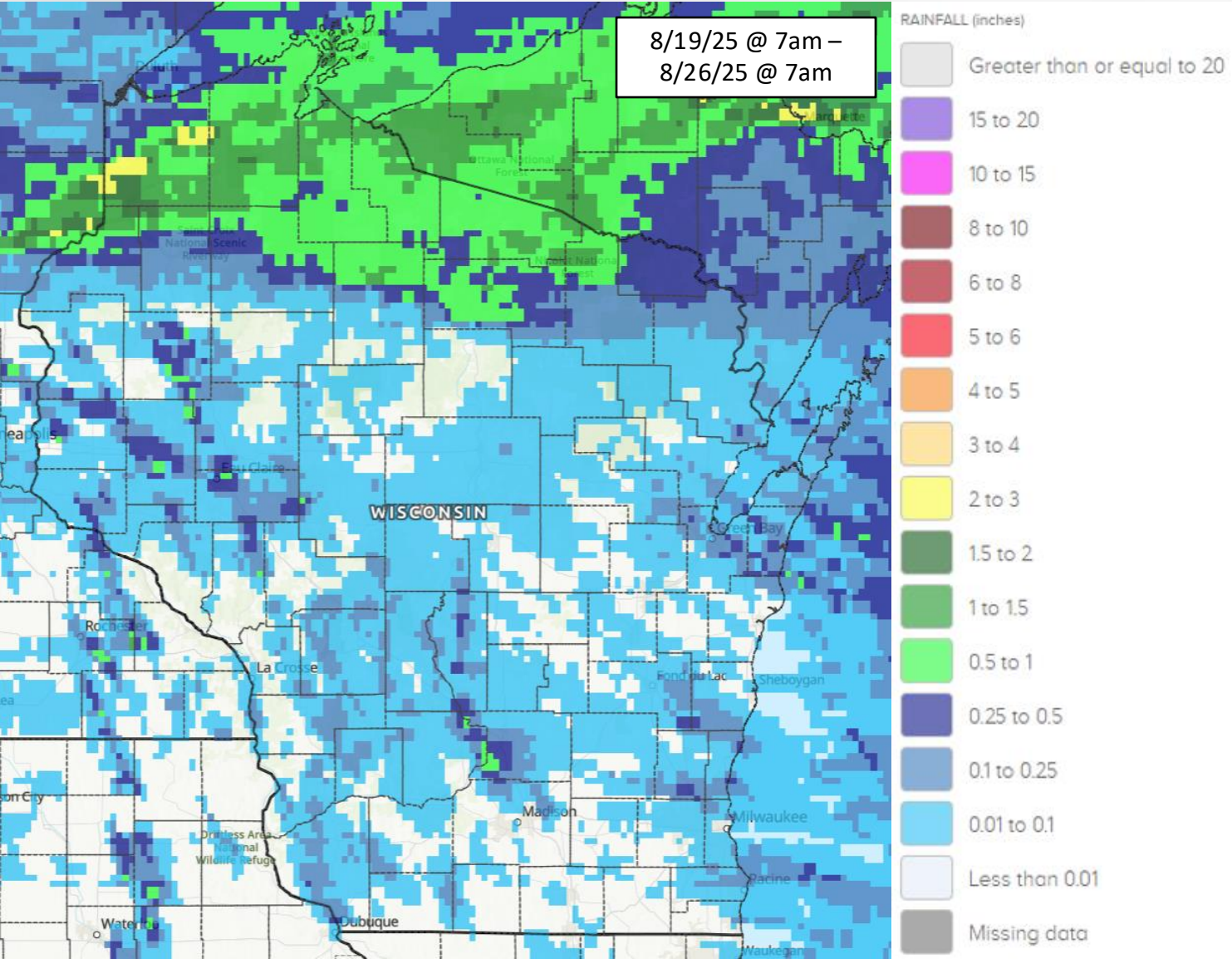
Sign Up Here:

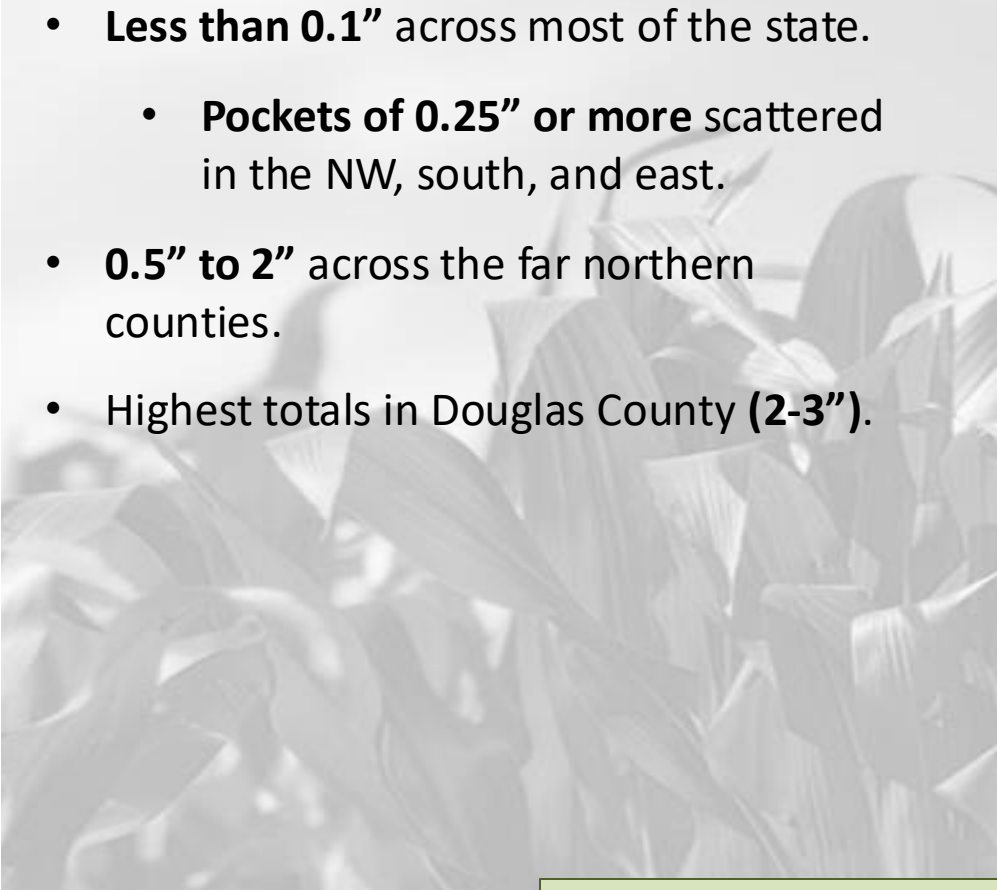
<https://cocorahs.org/Content.aspx?page=application>

### ***SPECIAL PROMOTION***

- In the wake of the historic flooding event in Milwaukee, there is a special promotion for **\$8 off any CoCoRaHS gauge** (no quantity limit).
  - Use code: WISCOCO8 at [weatheryourway.com/collections/cocorahs-gauge-parts](http://weatheryourway.com/collections/cocorahs-gauge-parts)
  - Now through September 10<sup>th</sup>
- **Free shipping** is also available on **any order over \$55** (no code necessary).

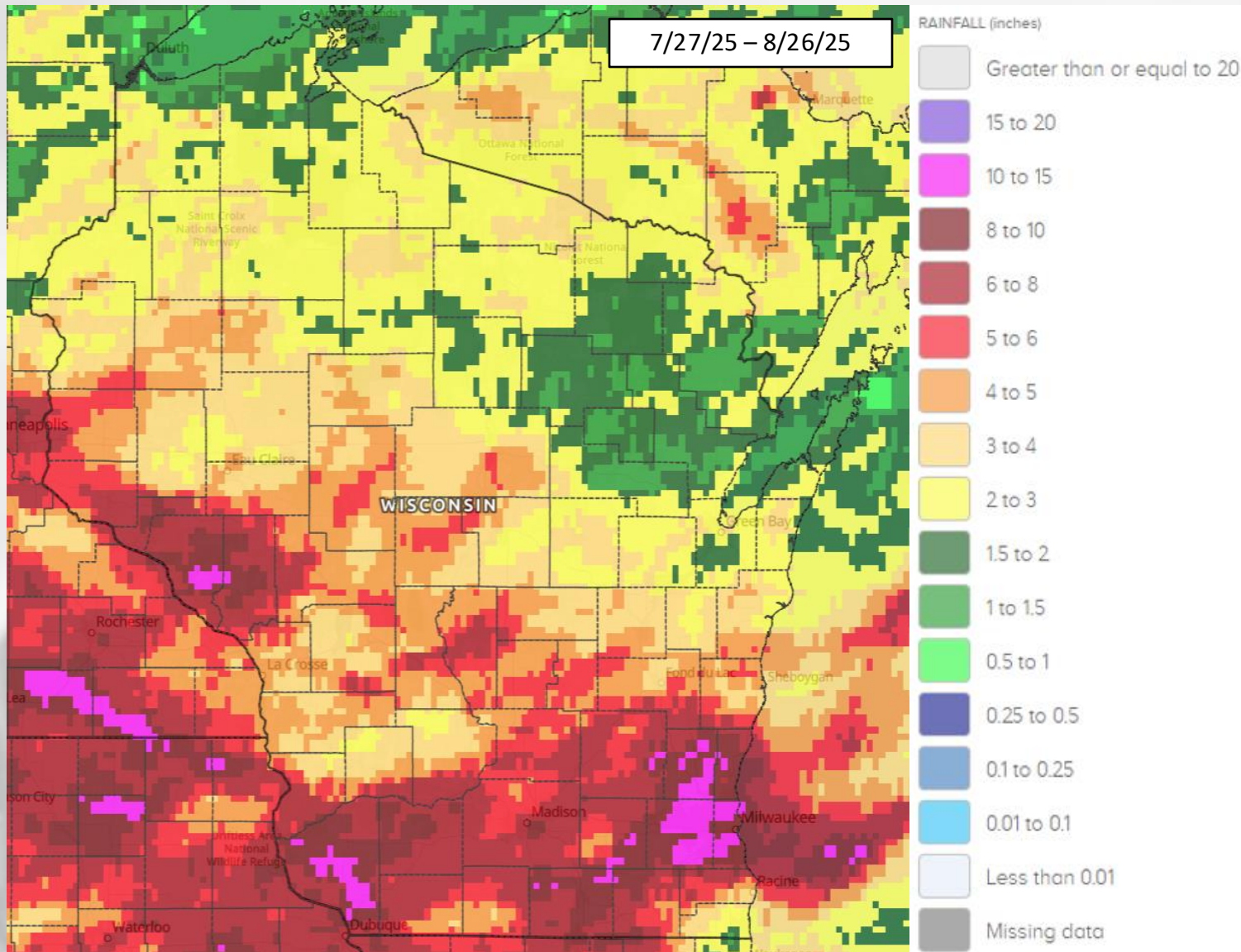
## 7 Day Precip



- 
- A background image of corn leaves, slightly blurred, covering the entire slide. The leaves are green and show prominent veins.
- **Less than 0.1"** across most of the state.
    - **Pockets of 0.25" or more** scattered in the NW, south, and east.
  - **0.5" to 2"** across the far northern counties.
  - Highest totals in Douglas County (**2-3"**).



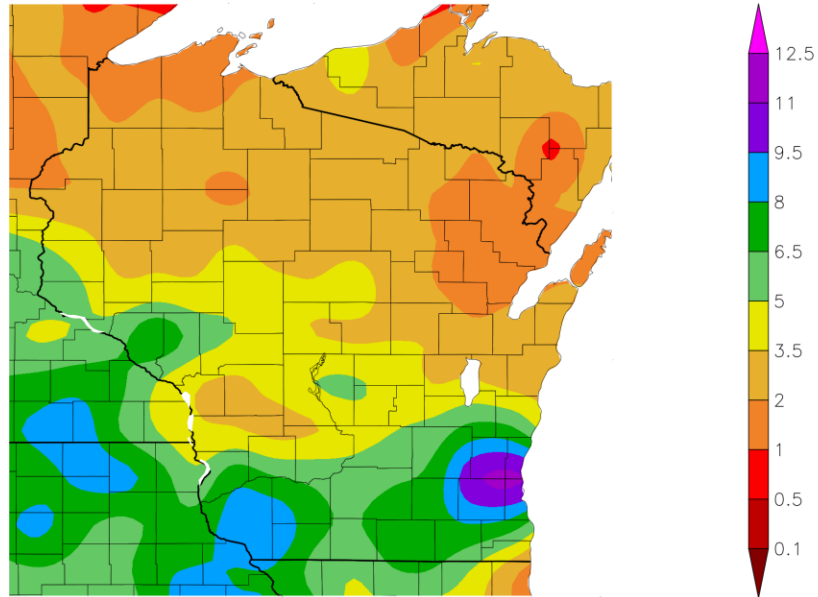
# 30 Day Precip



- **5+”** across southern & west-central WI from storms earlier in August.
- Localized areas of **10” or more** in SE, SW and WC WI.
- **1-3”** across NE and NC WI, with **3-5”** common across the central belt.

# 30 Day Precip Total/Percent Avg.

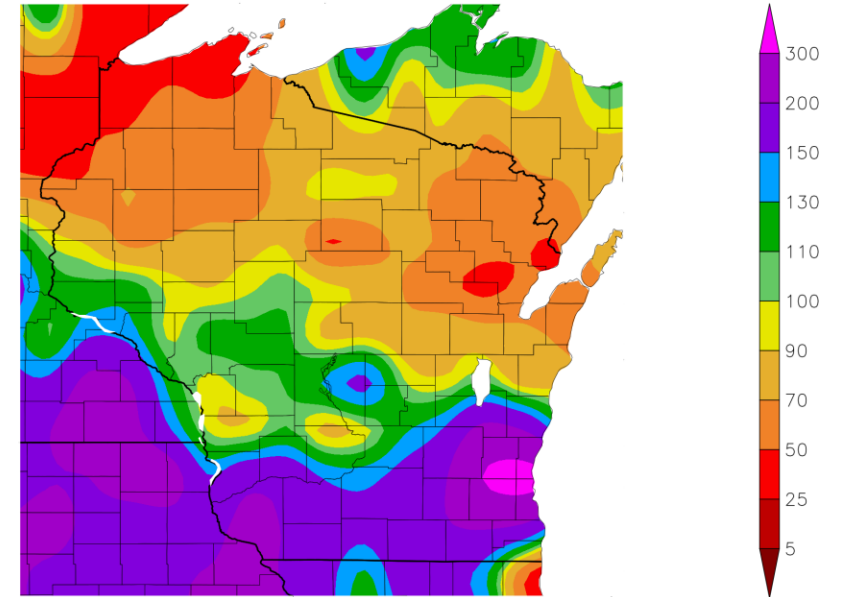
Precipitation (in)  
7/27/2025 – 8/25/2025



Generated 8/26/2025 using provisional data.

ACIS Web Services

Percent of Normal Precipitation (%)  
7/27/2025 – 8/25/2025



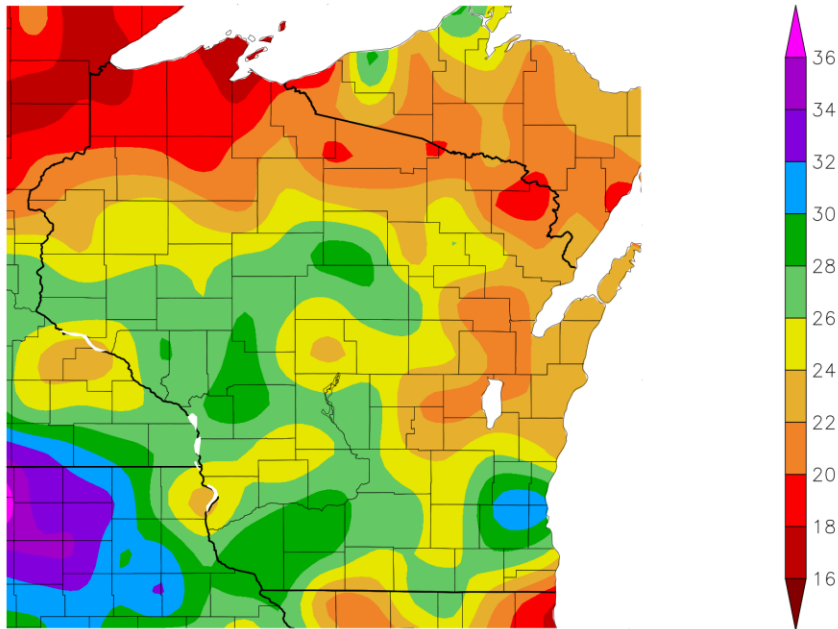
Generated 8/26/2025 using provisional data.

ACIS Web Services

- **150% or more** of normal across southern WI — totals **5" or more**, with instances of **>9.5"** around Milwaukee.
- **Near to above normal** in central and west-central WI – totals of **3.5" or more**.
- **Below normal** for most of northern WI — totals **3.5" or less**.

# 2025 Precipitation (so far)

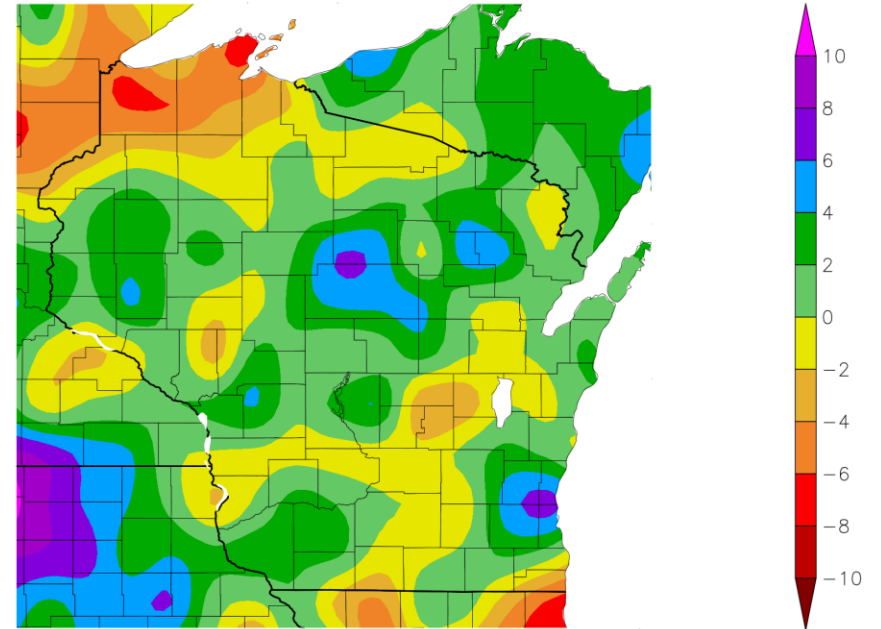
Precipitation (in)  
1/1/2025 – 8/25/2025



Generated 8/26/2025 using provisional data.

ACIS Web Services

Departure from Normal Precipitation (in)  
1/1/2025 – 8/25/2025



Generated 8/26/2025 using provisional data.

ACIS Web Services



# Soil Moisture Models

- **Near-normal soil moisture levels** in the top 1 meter of soil across most of WI.
- **Above normal levels** across south-central WI following above normal rainfall totals over the past 2 weeks.
- **Below normal levels remain** in parts of the north and east after another drier-than-normal week.

## Model Notes:

*Red* areas = top 5 driest in 100 years.

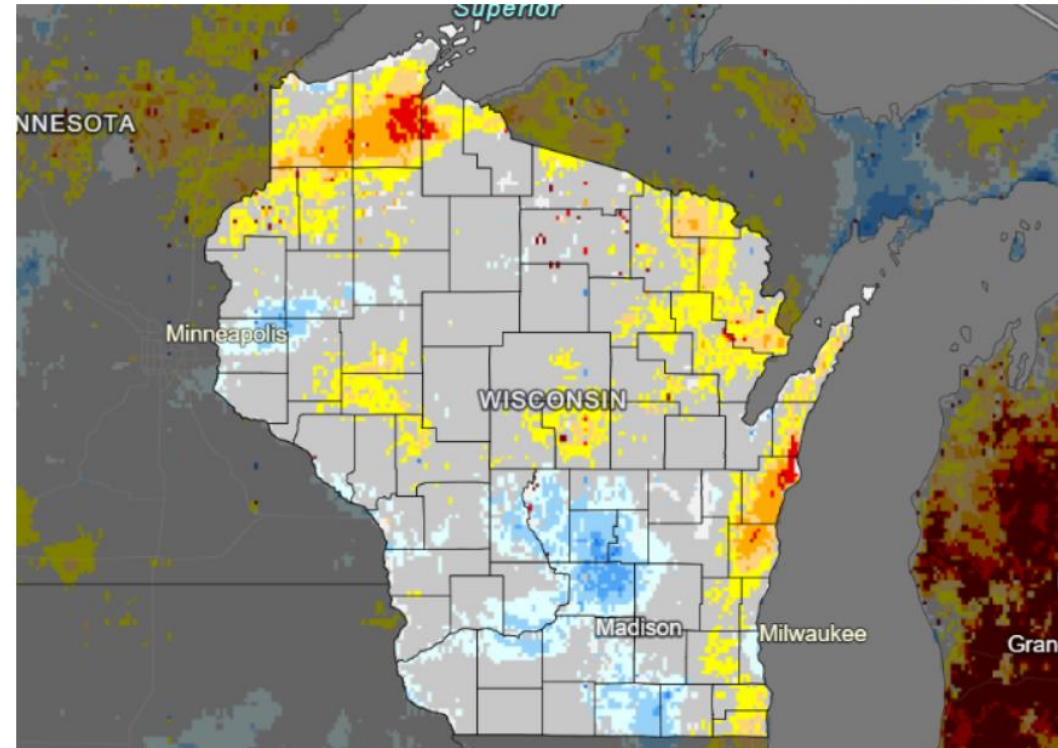
*Dark red* areas = top 2 driest in 100 years.

*Blue* areas = top 2 wettest in 100 years.

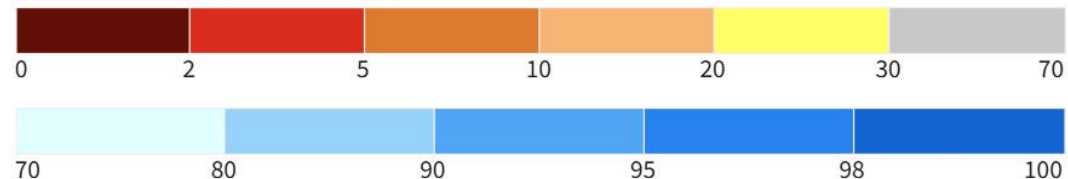
*It's worth noting that each soil moisture model has their own characteristics and input variables, so there tends to be variation between models. Thus, it's worthwhile to look at multiple models opposed to just one.*

[https://weather.ndc.nasa.gov/sport/case\\_studies/lis\\_CONUS.html](https://weather.ndc.nasa.gov/sport/case_studies/lis_CONUS.html)  
<https://www.drought.gov/states/wisconsin>

## NASA SPoRT-LIS 0-100 cm Soil Moisture Percentile



### 0-100 cm Soil Moisture Percentile

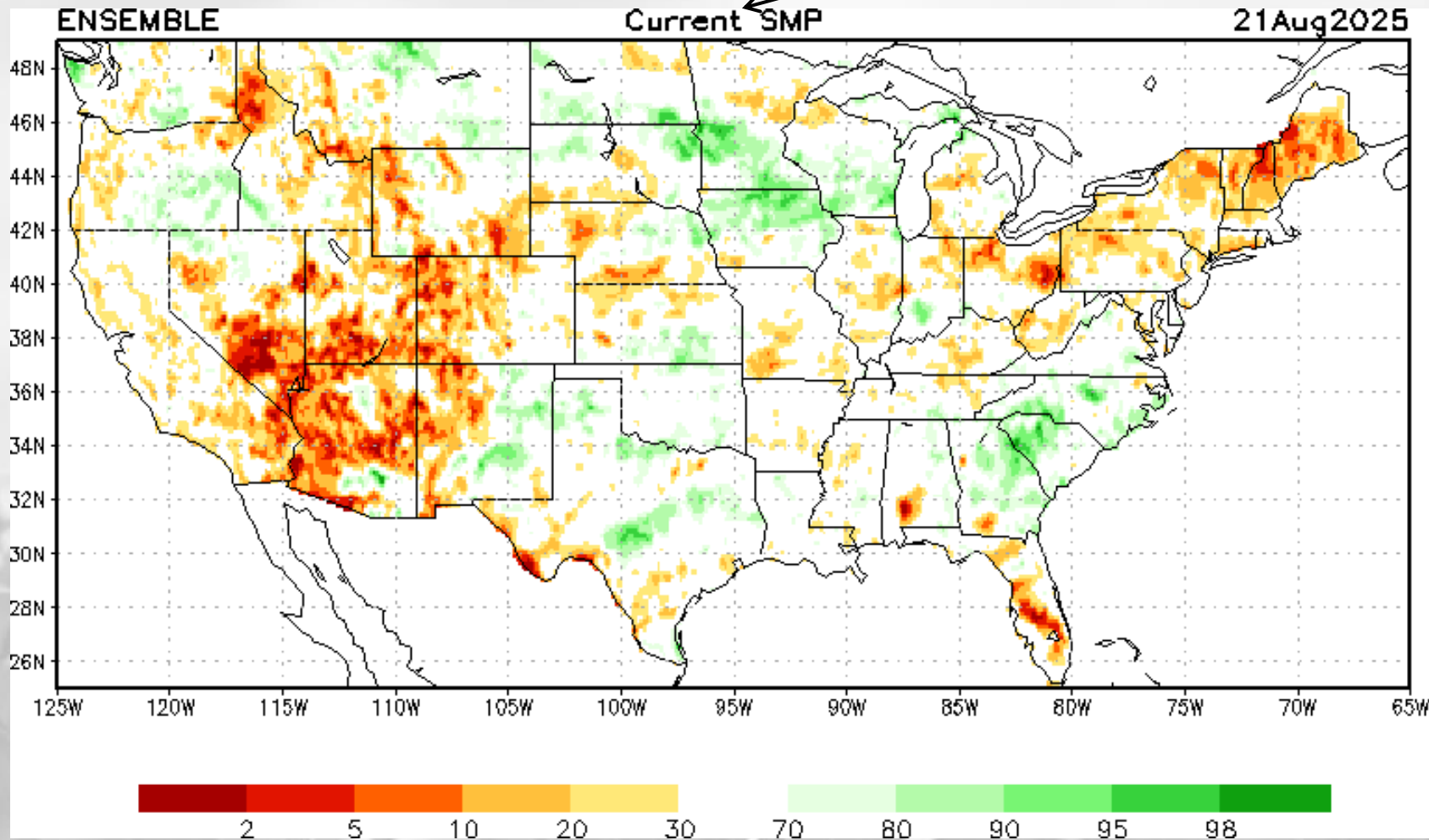


Source(s): NASA  
Data Valid: 08/27/25

**Drought.gov**

# Soil Moisture Models

**NOTE:** this map displays the soil moisture percentile for Aug 21. It was the most recent update as of Aug 26.

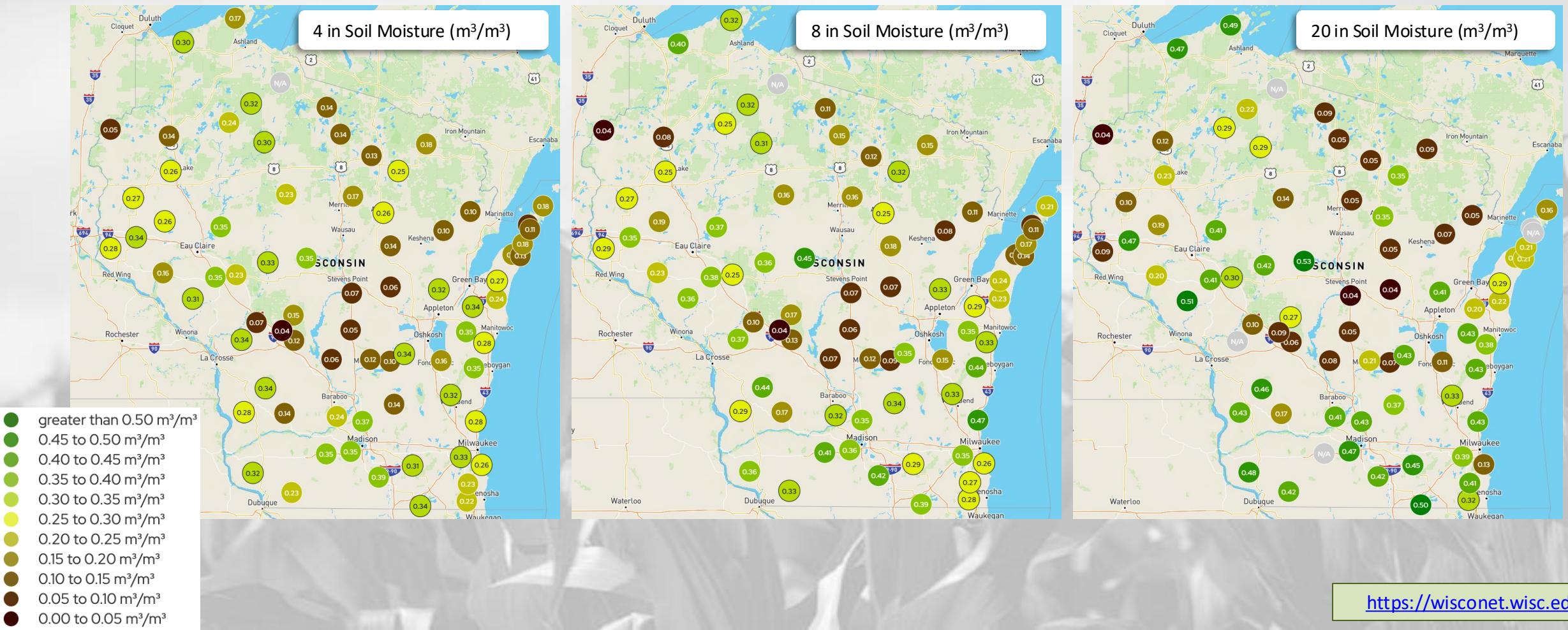


[https://www.cpc.ncep.noaa.gov/products/Drought/Monitoring/smp\\_new.shtml](https://www.cpc.ncep.noaa.gov/products/Drought/Monitoring/smp_new.shtml)



# Wisconet Soil Moisture

Maps showing soil temperature conditions on August 26<sup>th</sup> @ 11 am.  
Units of map values are {Volume of water}/{Volume of soil}.





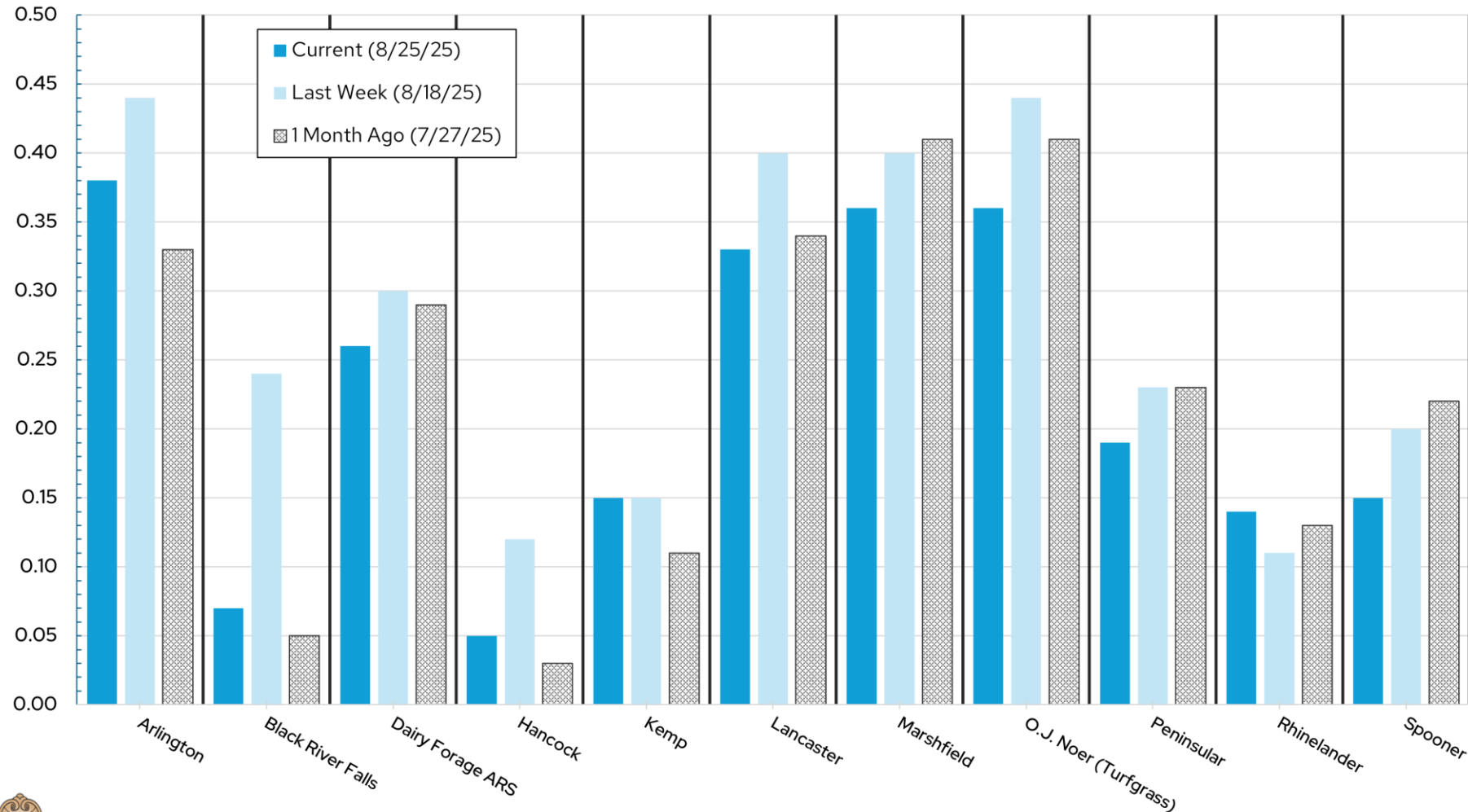
# Wisconet Soil Moisture

Change in soil moisture from August 19<sup>th</sup> (Start) to August 25<sup>th</sup> (End).  
Units of change values are {Volume of water}/{Volume of soil}.

Research Farm	County	Total Precip (in)	4" Change (Start) (End)		8" Change (Start) (End)		20" Change (Start) (End)	
Arlington	Columbia	0.09	0.43	0.38	0.40	0.36	0.46	0.44
Black River Falls	Jackson	0.09	0.13	0.07	0.17	0.10	0.16	0.10
Dairy Forage ARS	Sauk	0.00	0.32	0.26	0.36	0.33	0.42	0.41
Hancock	Waushara	0.01	0.09	0.05	0.09	0.06	0.07	0.05
Kemp	Oneida	0.61	0.14	0.15	0.15	0.16	0.04	0.05
Lancaster	Grant	0.04	0.37	0.33	0.39	0.36	0.50	0.48
Marshfield	Marathon	0.00	0.40	0.36	0.47	0.45	0.55	0.54
O.J. Noer ( <i>Turfgrass</i> )	Dane	0.00	0.43	0.36	0.41	0.37	0.49	0.48
Peninsular	Door	0.12	0.25	0.19	0.20	0.17	0.22	0.21
Rhinelanders	Oneida	0.62	0.12	0.14	0.11	0.12	0.04	0.05
Spooner	Washburn	0.16	0.20	0.15	0.07	0.08	0.13	0.12

# Wisconet Soil Moisture

**Wisconet 4" Soil Moisture Change**  
UW Research Farms

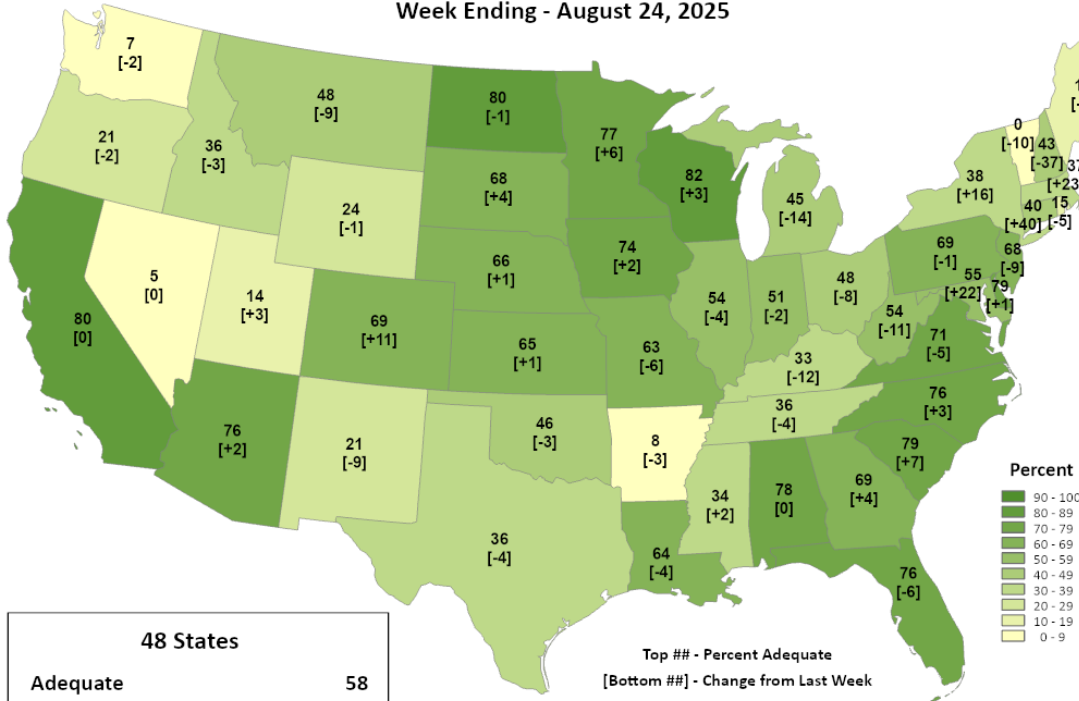


# Adequate Soil Moisture

USDA United States  
Department of  
Agriculture

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

## Topsoil Moisture Percent Adequate Week Ending - August 24, 2025

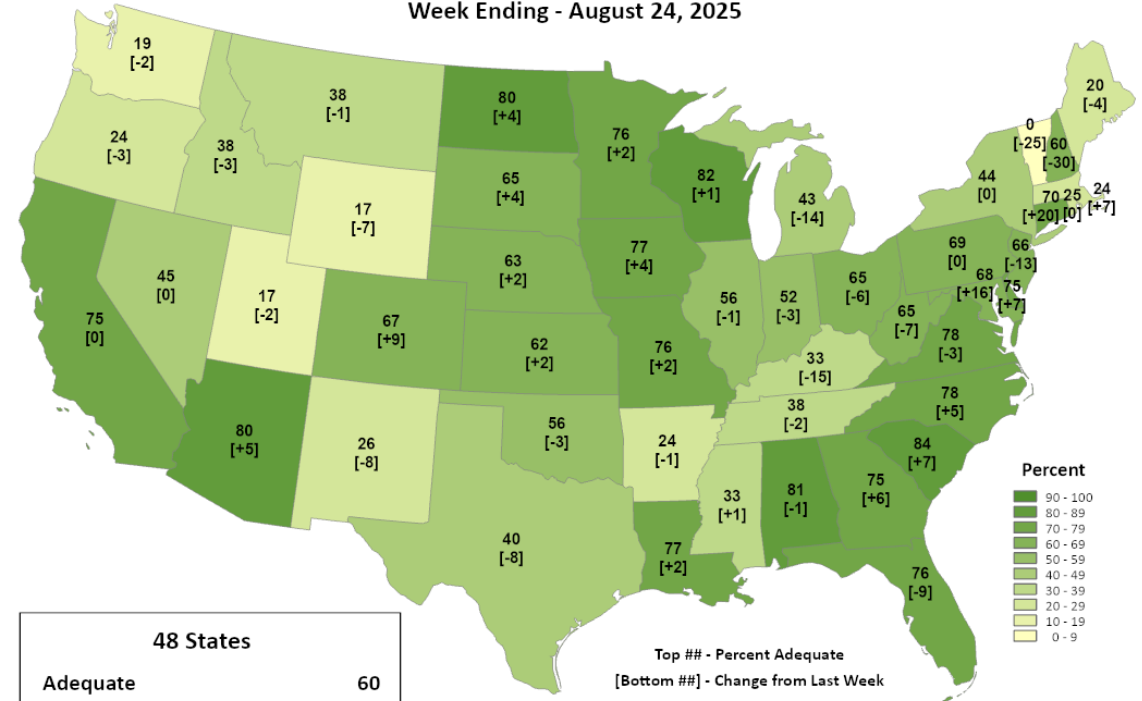


Data obtained from USDA National Agricultural Statistics Service weekly Crop Progress reports.

USDA United States  
Department of  
Agriculture

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

## Subsoil Moisture Percent Adequate Week Ending - August 24, 2025



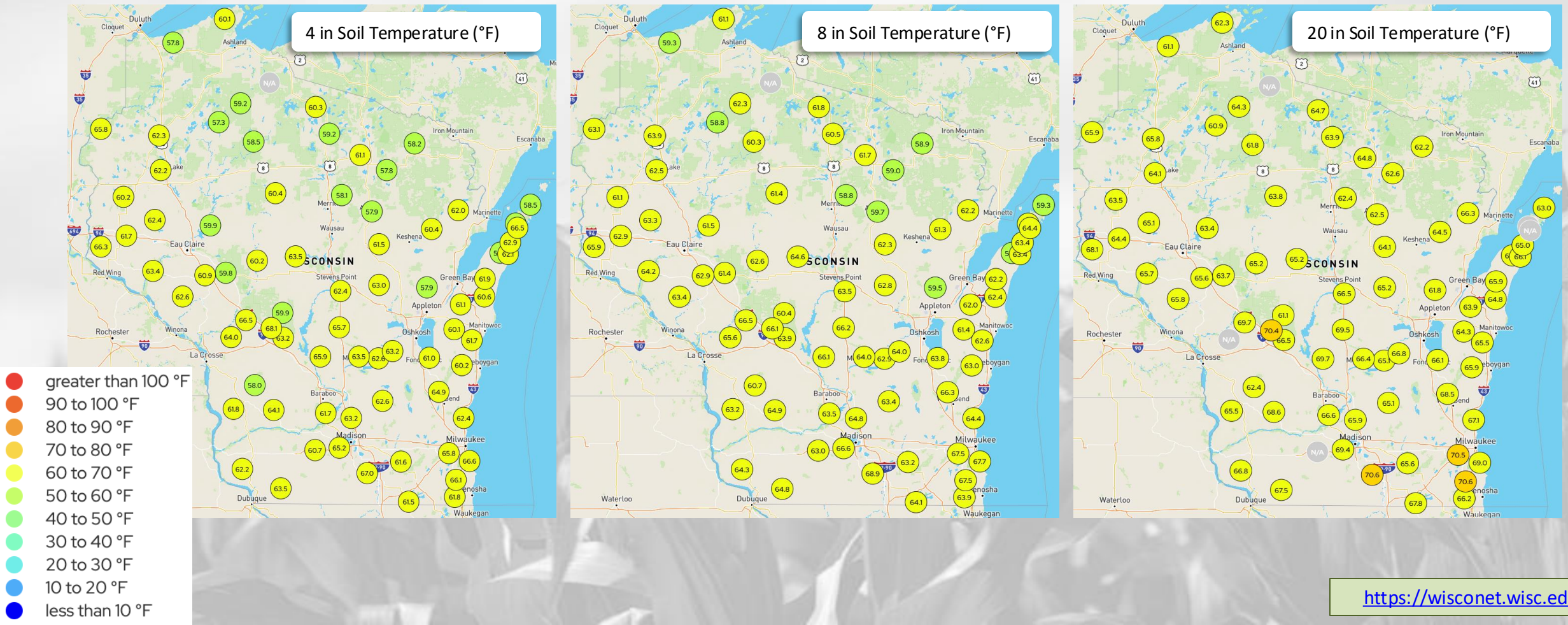
Data obtained from USDA National Agricultural Statistics Service weekly Crop Progress reports.

- **82%** of agricultural soils in the state reporting adequate topsoil and subsoil moisture.
- **9%** of fields in the state are reported as having short to very short top and subsoil moisture, a **1% increase** from last week.



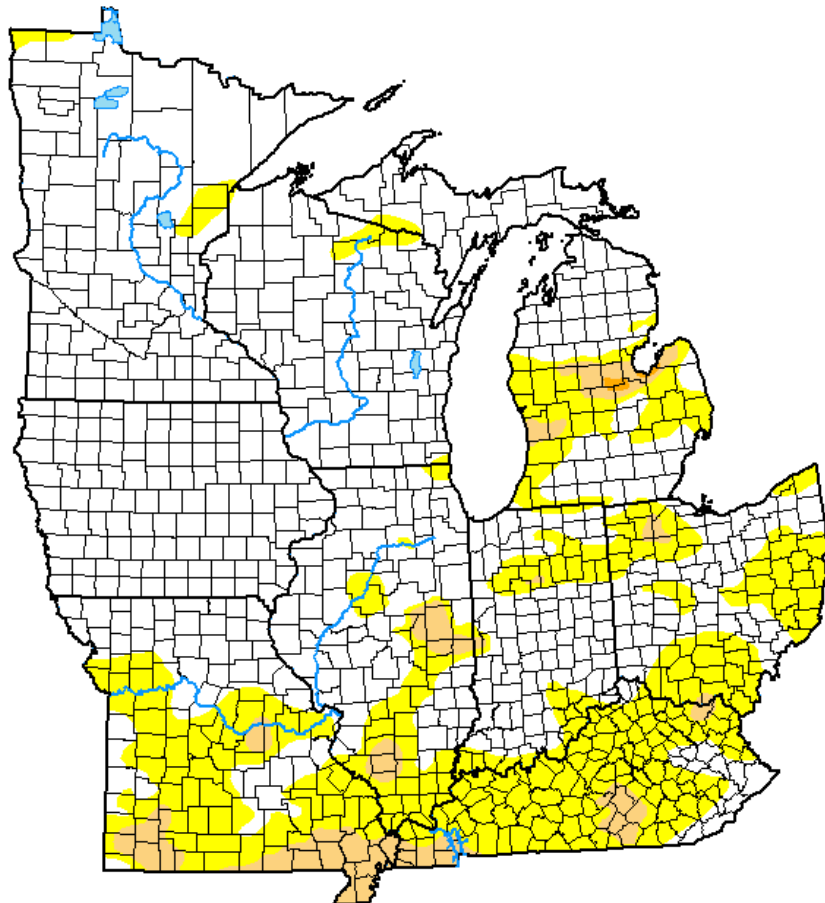
# Wisconet Soil Temperature

Maps showing soil temperature conditions on  
August 26<sup>th</sup> @ 11 am.



# US Drought Monitor

## U.S. Drought Monitor Midwest



August 26, 2025

(Released Thursday, Aug. 28, 2025)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	70.30	29.70	4.51	0.09	0.00	0.00
Last Week 08-19-2025	78.82	21.18	3.42	0.11	0.00	0.00
3 Months Ago 05-27-2025	63.46	36.54	9.47	0.11	0.00	0.00
Start of Calendar Year 01-07-2025	44.12	55.88	29.47	3.56	0.00	0.00
Start of Water Year 10-01-2024	21.78	78.22	28.15	6.40	1.46	0.66
One Year Ago 08-27-2024	62.98	37.02	5.49	2.08	1.35	0.11

### Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate 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:

Brad Rippey  
U.S. Department of Agriculture



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

- Midwest: Compared to last week:
  - Increase in D0-D1 coverage.
  - Minimal decrease in D2 coverage.
- Midwest: **1 class degradation** from central MO through KY up into southern OH. **8% jump in D0 coverage** from last week.
- Wisconsin: The state is still **drought-free!** Removal of D0 in Douglas Co. following last week's rain.
- **95.5%** of the Midwest is drought free (~4.5% in D1 or D2).

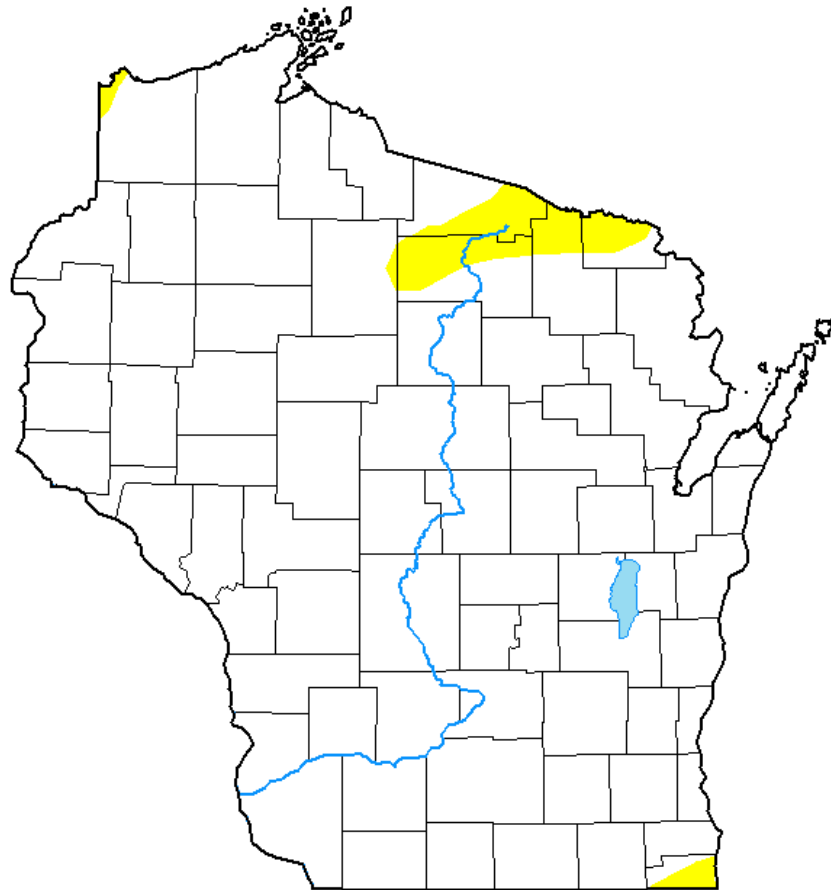
*Note: D0 is not considered drought.*

<http://droughtmonitor.unl.edu/>



# US Drought Monitor

## U.S. Drought Monitor Wisconsin



**August 26, 2025**

(Released Thursday, Aug. 28, 2025)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	96.59	3.41	0.00	0.00	0.00	0.00
Last Week 08-19-2025	95.74	4.26	0.00	0.00	0.00	0.00
3 Months Ago 05-27-2025	66.73	33.27	4.73	0.00	0.00	0.00
Start of Calendar Year 01-07-2025	36.12	63.88	39.54	0.00	0.00	0.00
Start of Water Year 10-01-2024	18.68	81.32	29.83	8.45	0.00	0.00
One Year Ago 08-27-2024	63.49	36.51	0.00	0.00	0.00	0.00

### Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate 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>

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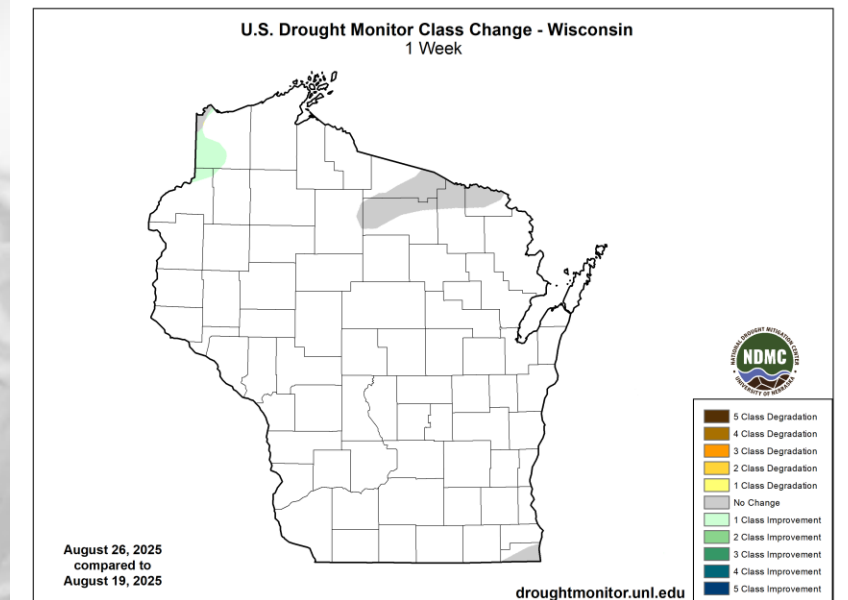


[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

Amount of state in:

- D1-D4 – 0.0% --
- D2-D4 – 0.0% --
- D3-D4 – 0.0% --
- D4 – 0.0% --

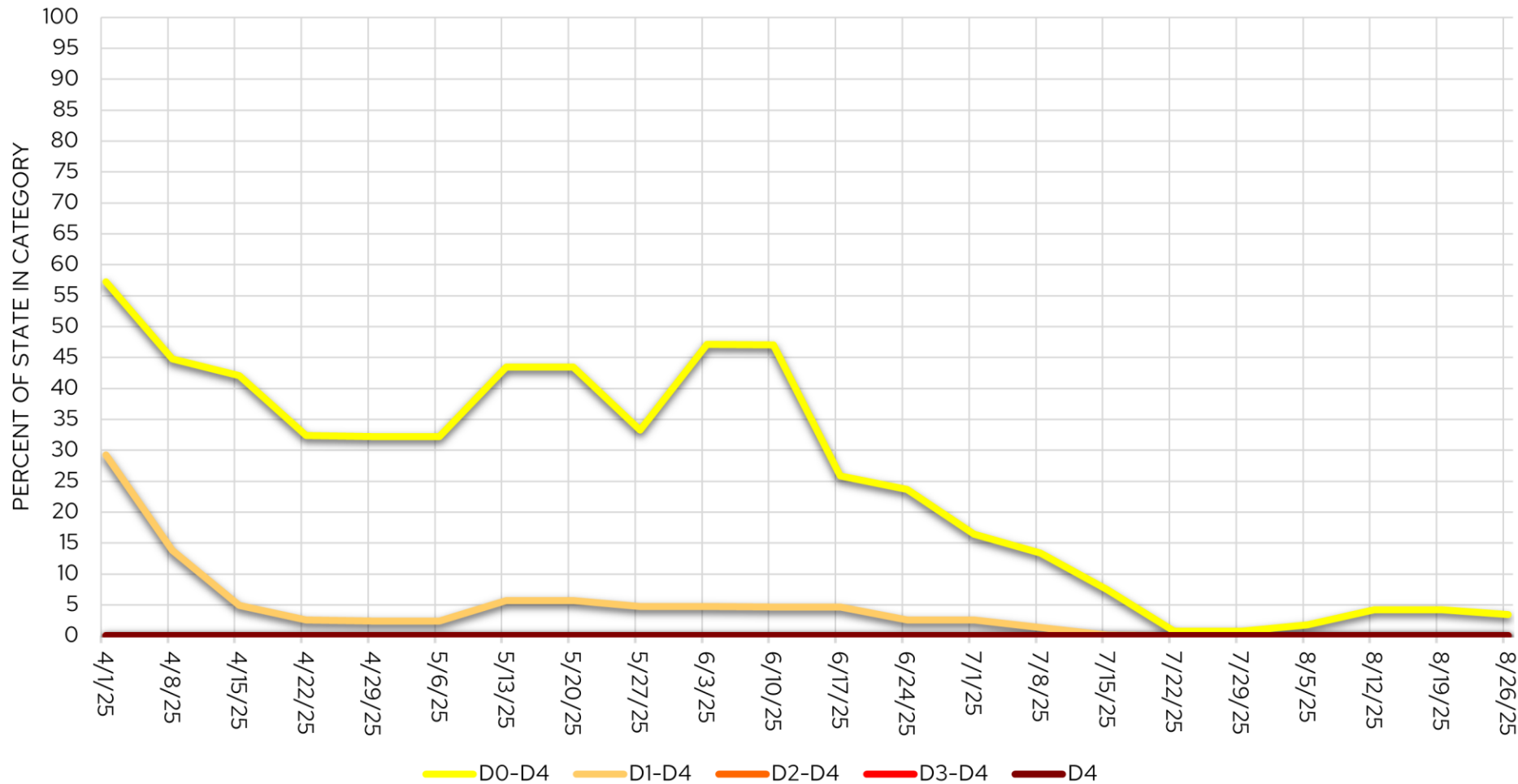
*Note:* ↑↓ indicate change from last week. Red up arrows indicate increase in drought area; vice-versa for green arrows. -- indicates no change from last week.





# USDM Time Series

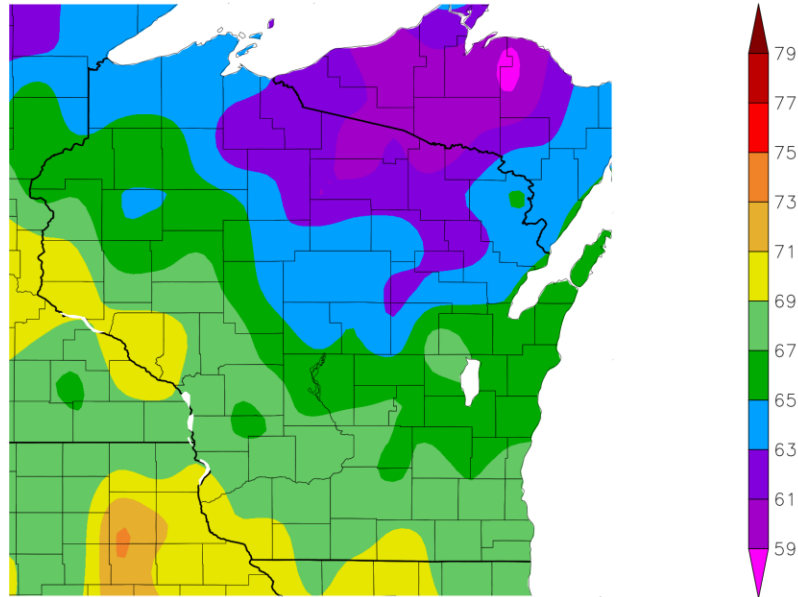
## Wisconsin Drought Time Series (USDM)



**Minimal change** in conditions since last week, with a slight decrease in D0 coverage.

# 7 Day Temperatures

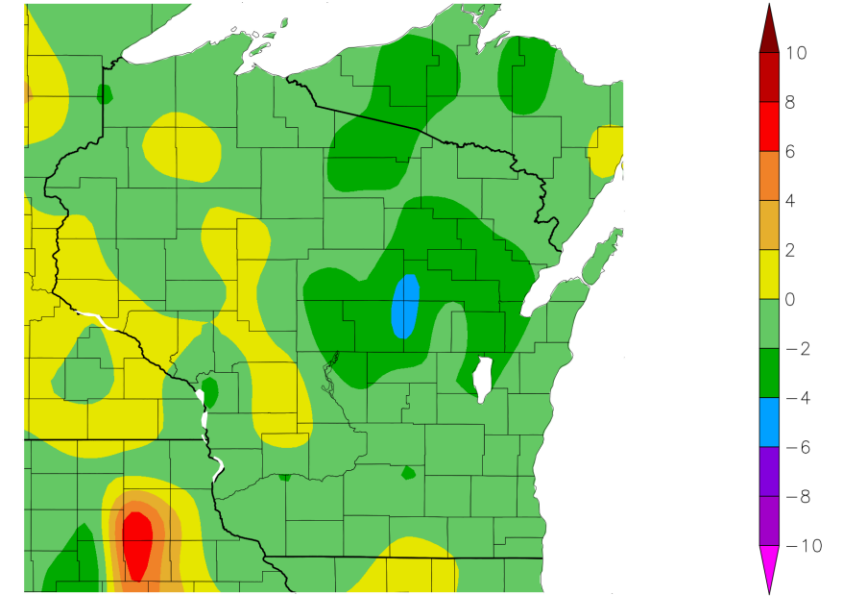
Temperature (F)  
8/19/2025 – 8/25/2025



Generated 8/26/2025 using provisional data.

ACIS Web Services

Departure from Normal Temperature (F)  
8/19/2025 – 8/25/2025



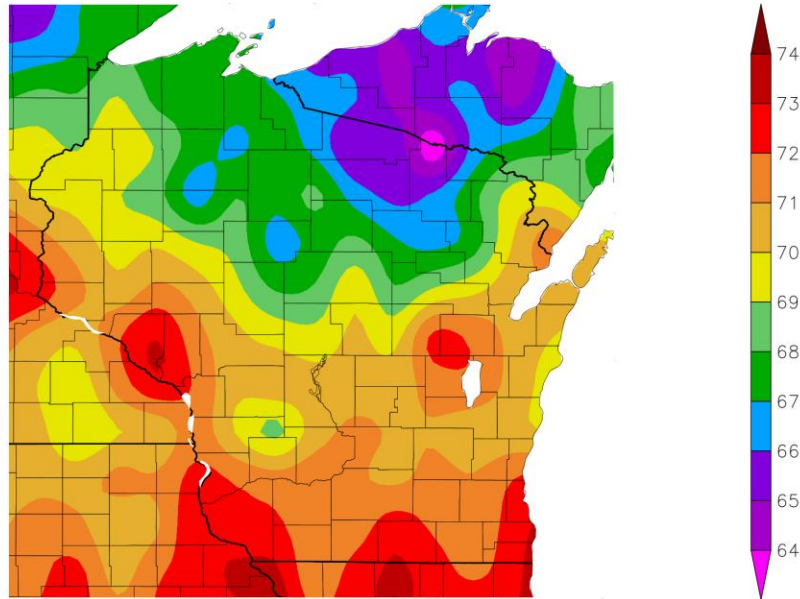
Generated 8/26/2025 using provisional data.

ACIS Web Services

- Average temp. range of **67-71°F** from south to west-central; to **59-63°F** in north-central WI.
- **Slightly below normal** across most of the state, more so in the central-to-NE region (2-4°F).
- **Above normal** in parts of the west by 0-2°F.

# 30 Day Temperatures

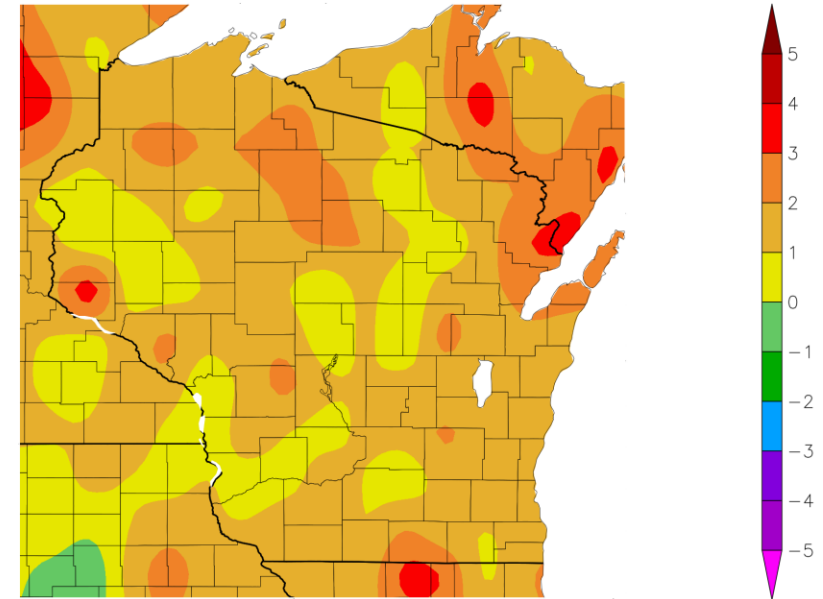
Temperature (F)  
7/27/2025 – 8/25/2025



Generated 8/26/2025 using provisional data.

ACIS Web Services

Departure from Normal Temperature (F)  
7/27/2025 – 8/25/2025



Generated 8/26/2025 using provisional data.

ACIS Web Services

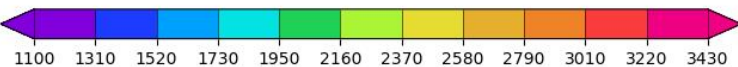
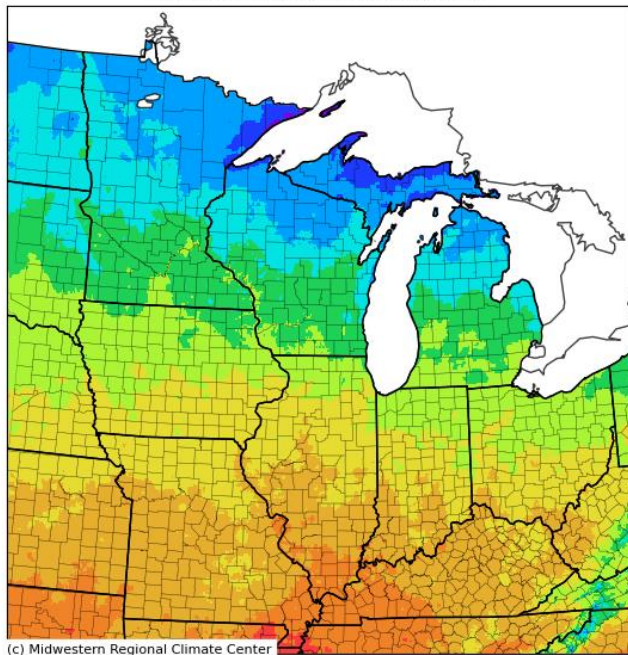
- Average temps. ranged from **72-74°F** in the south and west to **64-67°F** for the far north.
- **1-3°F above normal** for most of the state.



# Growing Degree Days (Base = 50°F; Since May 1)

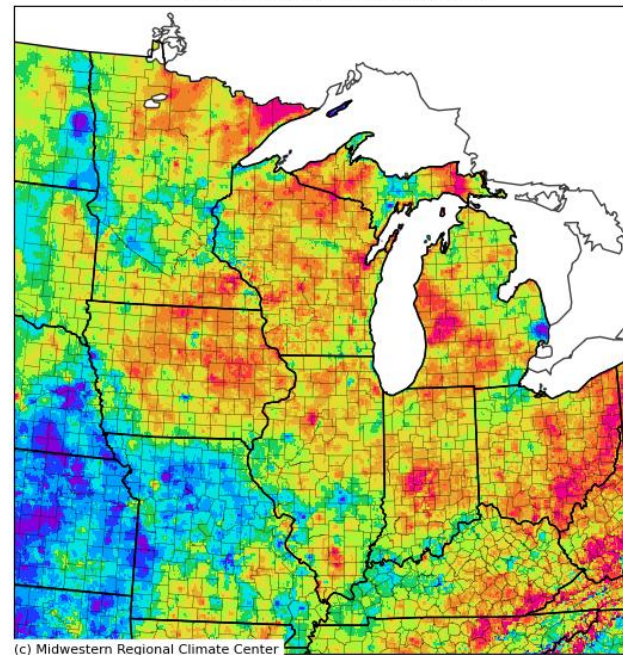
Accumulated Total MGDD (50°F/86°F)

May 01, 2025 to August 25, 2025



Accumulated Total MGDD (50°F/86°F): Departure from 1991-2020 Normals

May 01, 2025 to August 25, 2025

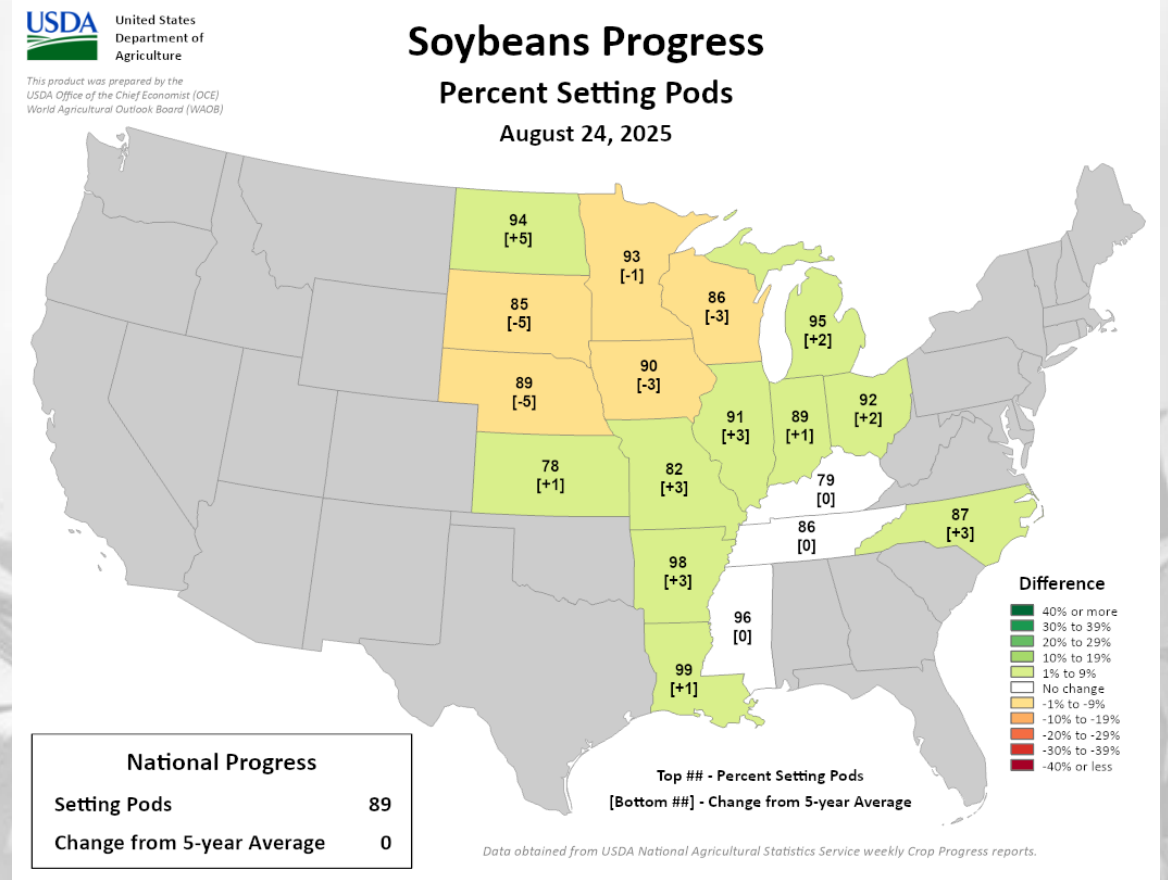
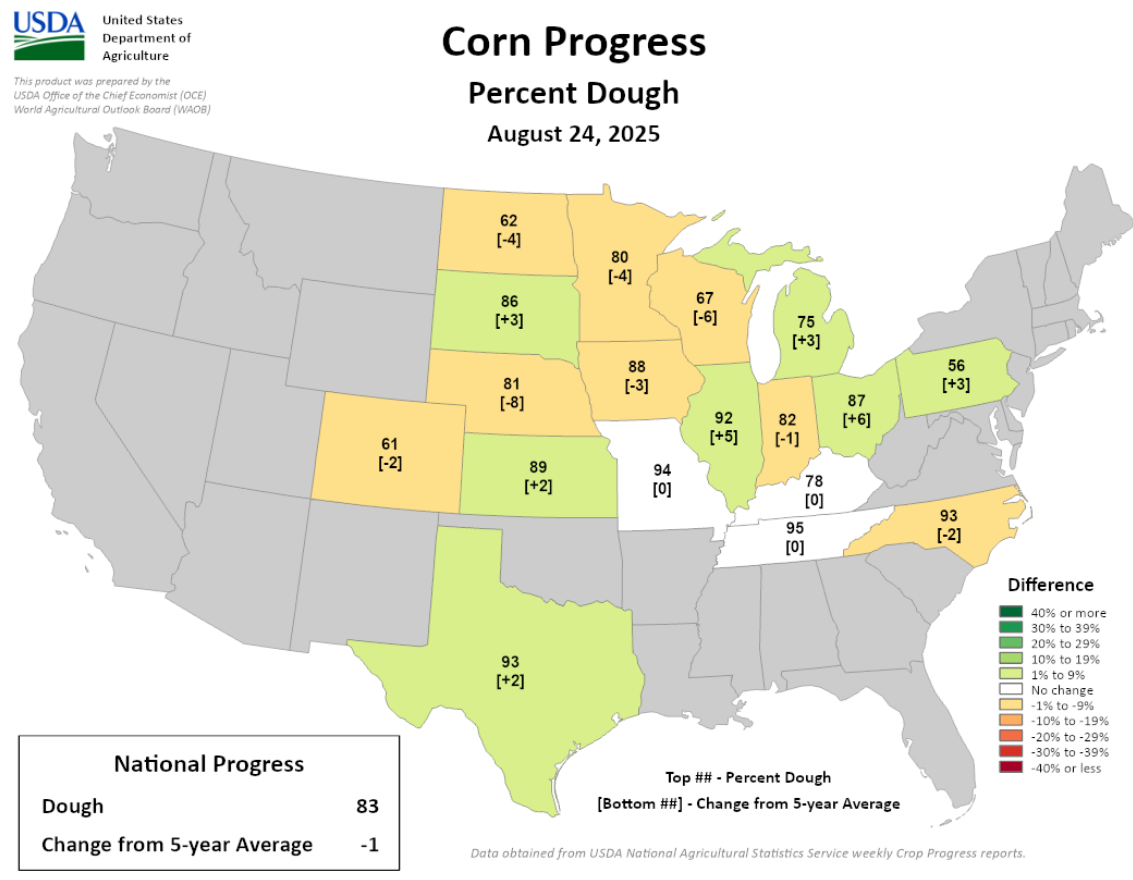


- Range from **2100-2300 GDD** in the SW to **1600-1800 GDD** in the N.
- GDD accumulation is running **>100 GDD ahead of schedule** across most of WI. Nearer to normal in the far NW.

To calculate GDD for your corn variety and planting date, use this [tool](#).

To see specific degree models for pests in your location, use the [Vegetable Disease & Insect Forecasting Network](#).

# Corn & Soybean Progress



- Corn doughing is **67% complete** in WI fields with silking nearly complete (**97%**); running behind the normal pace.
  - Denting is being reported in **22%** of corn fields in WI (near normal pace).
- Soybean pod setting is **86% complete** in WI fields which is behind the normal pace for late August.

<https://agindrought.unl.edu/Other.aspx>

**USDA** United States Department of Agriculture

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

## Corn Conditions

### Percent Good to Excellent

August 24, 2025

National Condition	
Good to Excellent	71
Change from Last Week	0

Top ## - Percent Good to Excellent  
[Bottom ##] - Change from Last Week

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

**USDA** United States Department of Agriculture

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

## Soybean Conditions

### Percent Good to Excellent

August 24, 2025

National Condition	
Good to Excellent	69
Change from Last Week	+1

Top ## - Percent Good to Excellent  
[Bottom ##] - Change from Last Week

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

<https://agindrought.unl.edu/Other.aspx>



# Crop Progress Report

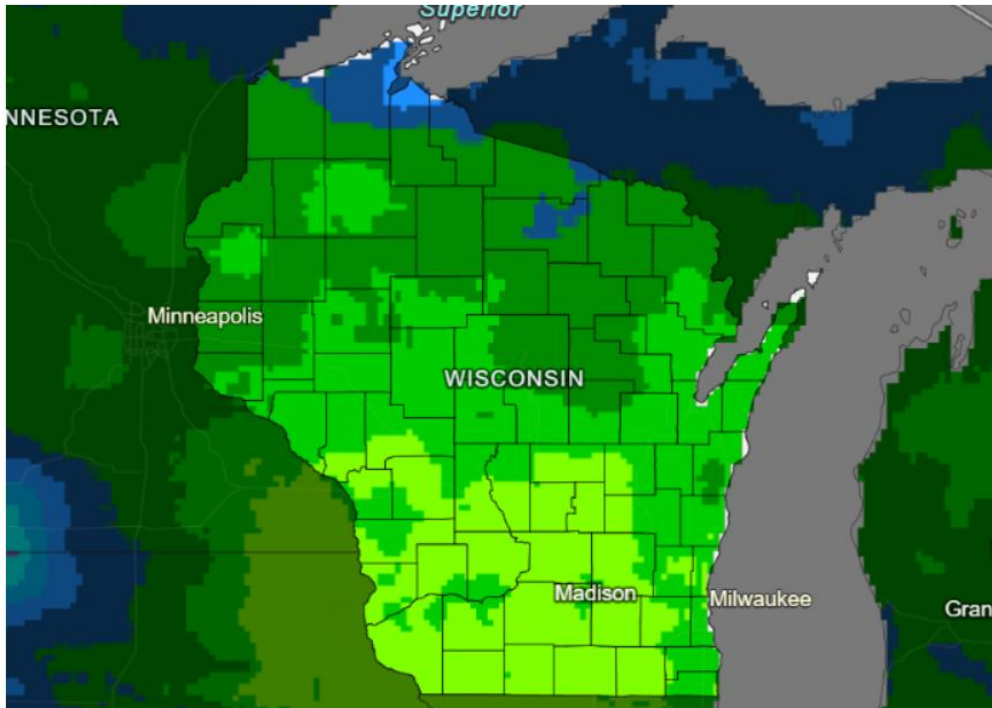
## Crop progress report for Wisconsin for the week ending on Aug 24<sup>th</sup>

- Corn silking is **97% complete**. Doughing is **67% complete** (4 days behind the 5-year average). Denting is **22% complete**.
  - Condition was rated **83%** good to excellent.
- Soybean blooming reported at **96% complete**, with **86%** of soybeans setting pods (3 days behind the 5-year average).
  - Condition was rated **83%** good to excellent.
- Winter wheat harvest is **98%** complete.
- The third cutting of alfalfa hay was **89%** complete, with the fourth cutting at **31%** complete (5 days ahead of the 5-year average).
- Pasture and range conditions are rated **71%** good to excellent (**up 1%** from last week).
- Oat harvest is at **80%** complete (even with the 5-year average).

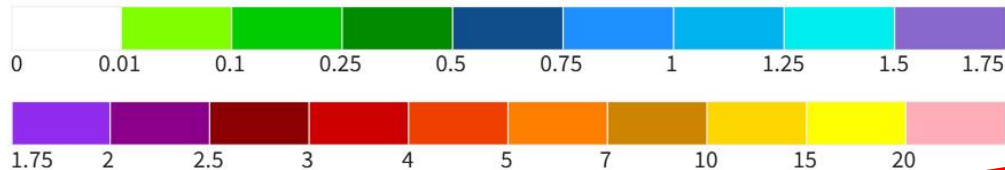
**Full report:** [https://www.nass.usda.gov/Statistics\\_by\\_State/Wisconsin/Publications/Crop\\_Progress\\_&\\_Condition/2025/WI-Crop-Progress-08-25-25.pdf](https://www.nass.usda.gov/Statistics_by_State/Wisconsin/Publications/Crop_Progress_&_Condition/2025/WI-Crop-Progress-08-25-25.pdf)

# 7 Day Precip Forecast

7-Day Quantitative Precipitation Forecast for August  
28–September 4, 2025



Predicted Inches of Precipitation



Source(s): National Weather Service Weather Prediction Center  
Last Updated: 08/28/25

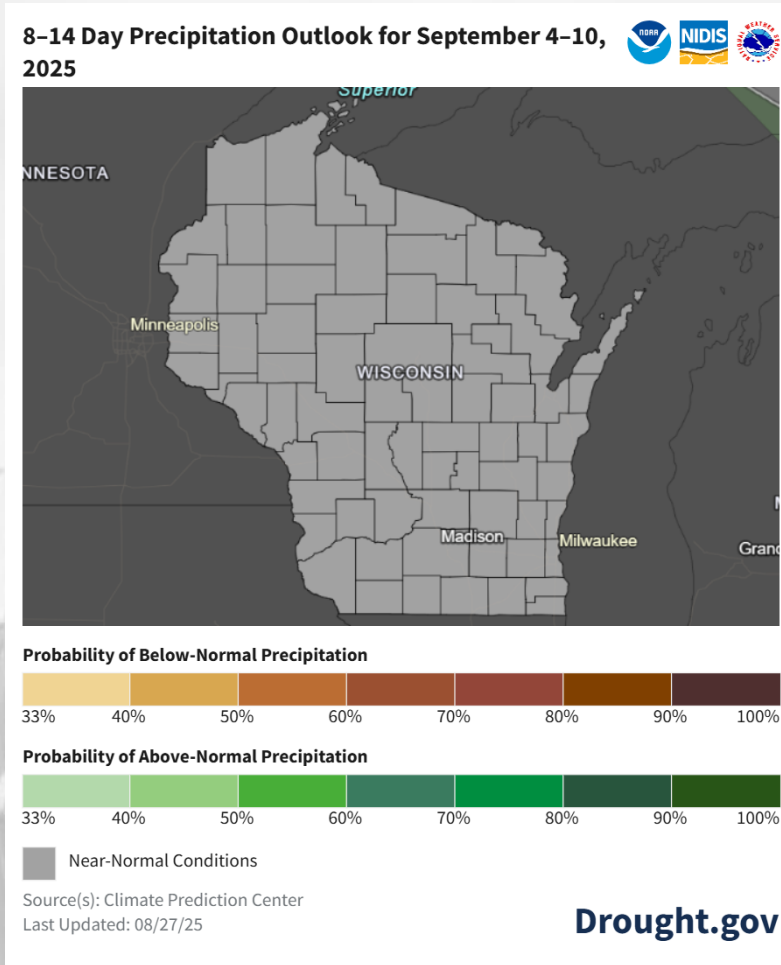
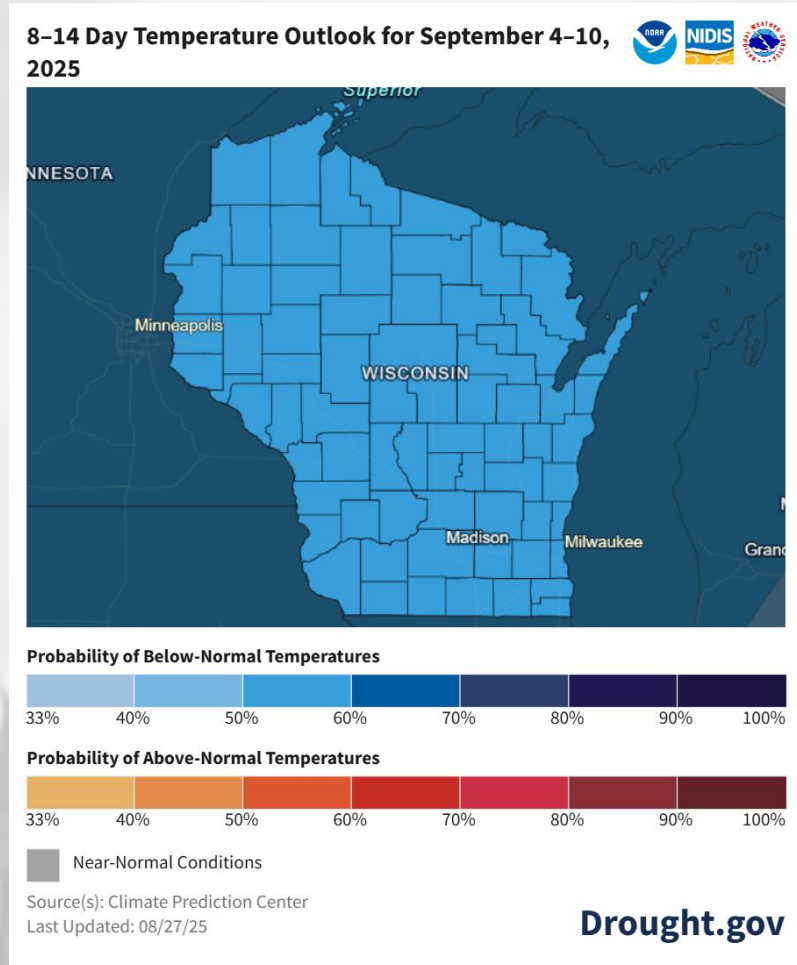
Drought.gov

- When? → best chances for rain during the middle of next week.
- Where? → highest totals in the northern counties, with statewide chances.
- Check your local forecast for details on totals and timing.
- Average precip (1991-2020) for this week: **0.95"**

Forecast for 8/28/25 thru 9/4/25  
(Begins at 7am CDT)

<https://www.wpc.ncep.noaa.gov/qpf/p168i.gif>  
<https://www.drought.gov/states/wisconsin>

# 8-14 Day Temp & Precip Outlook



<http://www.cpc.ncep.noaa.gov/>  
<https://www.drought.gov/states/wisconsin>

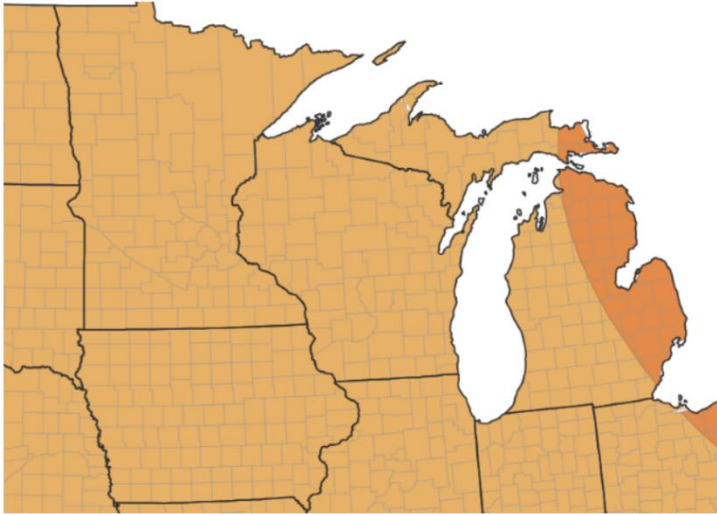
**Early September:** A strong lean towards cooler-than-normal temperatures statewide (**50-60% chance**). Precip is leaning near normal statewide.

➤ Statewide normals (1991-2020) for Sep 4-10 are **62.9°F** and **0.76"**.



# 30 Day Temp & Precip Outlook

Monthly Temperature Outlook for September 1–30, 2025



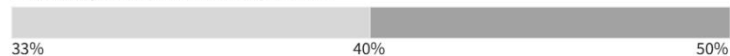
Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures



Probability of Near-Normal Temperatures



Source(s): Climate Prediction Center  
Last Updated: 08/21/25

Drought.gov

Monthly Precipitation Outlook for September 1–30, 2025



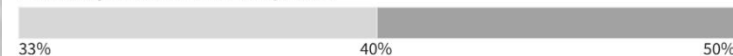
Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



Probability of Near-Normal Precipitation



Source(s): Climate Prediction Center  
Last Updated: 08/21/25

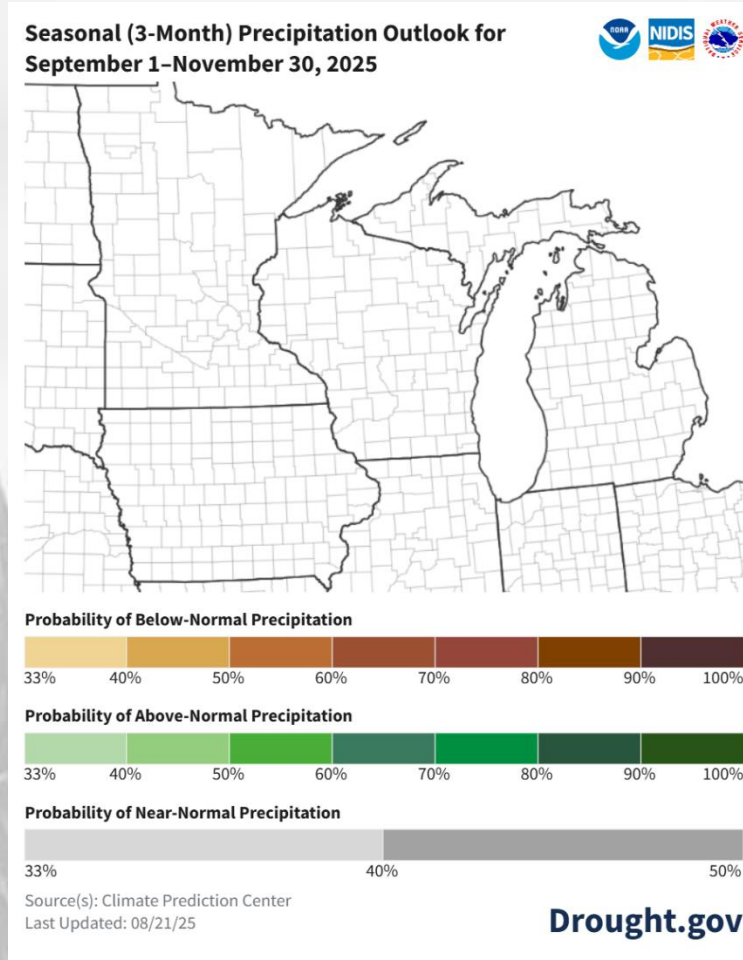
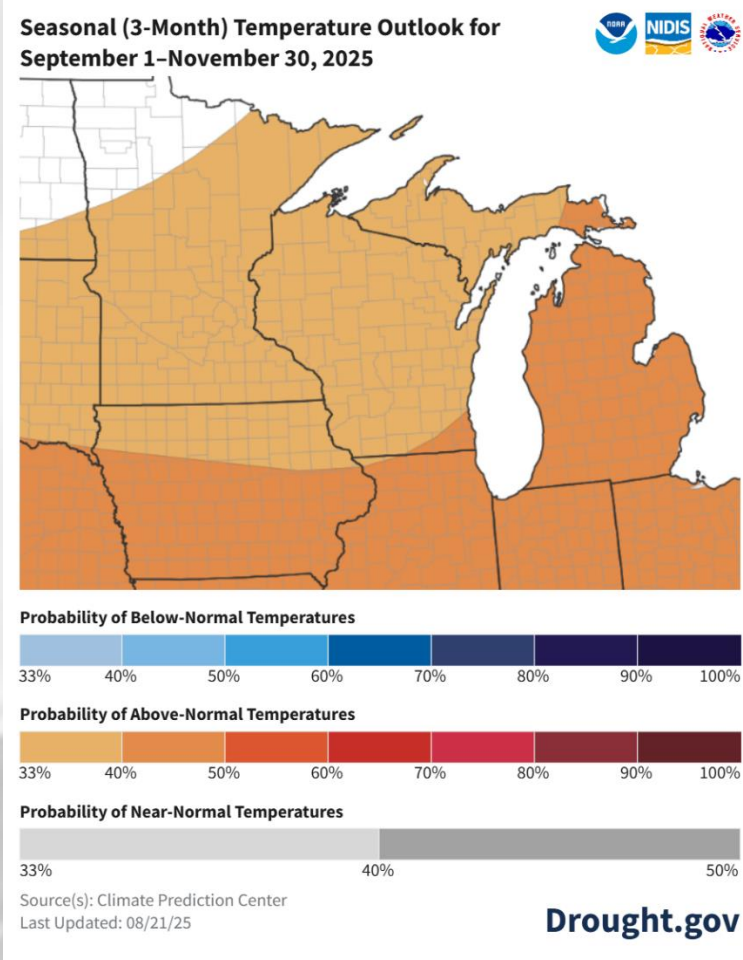
Drought.gov

<http://www.cpc.ncep.noaa.gov/>  
<https://www.drought.gov/states/wisc>  
[onsin](https://www.drought.gov/states/wisc)

**Month of September:** Temperatures leaning slightly towards above normal statewide, with uncertainty for precipitation.

- Statewide normals (1991-2020) for September are **58.5°F** and **3.75"**.

# 90 Day Temp & Precip Outlook



<http://www.cpc.ncep.noaa.gov/>  
<https://www.drought.gov/states/wisconsin>

**Fall 2025:** Temperatures leaning slightly towards above normal statewide (more so in the SE), with uncertainty for precipitation.

- Statewide normals (1991-2020) for Sep-Nov are **46.0°F** and **8.51"**.

# Take-Home Points

## Current Conditions

- Last week was **quite dry across most of WI**, with only the far north receiving near-normal precip totals. Elsewhere, totals were a tenth of an inch or less. The past 30 days remain **wetter-than-normal in the south** from storms earlier in August.
- **Cooler-than-normal temps** were common last week, with lows dipping into the upper 30s and low 40s on August 25-26. This is a switch from what has been a **warmer-than-normal past 30 days**.

## Impact

- After a relatively dry week, soil moisture is estimated to be **near normal** for most of the state, with some dry pockets in the N and E. Wisconet research farm stations show **decreases in 4" soil moisture** from last week at most sites.
- Drought remains **non-existent in WI**, with some **D0 removal** in the far northwest following the rains last week.
- Nearly all the corn and soybean crops are in the reproductive phase of their growth cycle, with winter wheat harvest nearly complete. Crop condition reports indicate **83% of corn and soybean rated good to excellent** ([NASS](#)).

## Outlook

- Precip for the next 7 days is once again predicted to be **highest in the north**, with chances statewide for measurable precip.
- Climate probabilities for early September show a strong lean towards **below-normal temperatures** for most of WI (**50-60% chance**).
- The outlooks for the month of September and for fall (Sep-Nov) (*updated 8/21*) show a lean towards **above normal temperatures**.



# Agronomic Considerations

## Field Work and Conditions

- Avoid trafficking fields in moist conditions to prevent compaction.

## Manure Applications

- Reminder of [Wisconsin's NR 151 Runoff Rules](#) with the timing of manure spreading and current runoff levels. Check [DATCP Runoff Risk Advisory Forecast](#).

## Pest Management

- Check moth trap catches in your region with the [DATCP Pest Survey](#). [Sign up for insect pest alerts](#) specific to your region.
- Note [Japanese beetle populations in soybean fields](#).
- Use the [VDIFN model](#) to see risk in your region for several economically important pests.
- Scout for [soybean aphid](#) and [soybean gall midge](#) (SGM not presently in Wisconsin; however, the pest has been located in nearby states).
- An increase in corn earworm moth activity in the last 2 weeks signals a high risk of egg laying in sweet corn with green silks. Monitor pest activity through mid-September.
- [Southern Rust](#) has been reported in southern and central regions.
- DATCP fall armyworm traps picked up large flights this week in southern Wisconsin. Egg-laying may be occurring in late-planted corn fields. Also be vigilant of activity in alfalfa fields. [Pay attention to trap catches](#) through mid-September.

## Forage Management

- Alfalfa stands are varying between third and fourth cuts depending on location in the state. Scout for [potato leafhopper](#). Also scout for [pea aphid](#).
- Use the [alfalfa cutting tool](#) to plan remaining alfalfa harvests for persistence. Those affected by flooding can review [flooded forage options](#).
- Consider [in-field management strategies](#) to reduce mycotoxins in silage. [Begin sampling and estimating moisture as silage matures](#). Read [corn silage harvest management considerations](#).
- Silage chopping has begun in the southwestern region of the state. Foliar disease presence can make silage harvest timing critical. Read these considerations for [managing disease at chopping](#).

## Small Grains

- Winter wheat harvest is mostly complete. As you harvest, remember the [importance of combine cleaning](#) to prevent weed seed spread from field to field.
- Consider planting a [cover crop after small grain](#) harvest. Review [Cover Crops 101](#) for a list of viable species and seeding recommendations. Cover crops can also be an [opportunity for grazing](#).

# Fruit Considerations

## General

- Reminder:** Always read and follow directions on the label and keep in mind pre-harvest intervals (PHI) as we move through harvest!
- Growers who experienced heavy rainfall and flooding in the past month should review best practices for identifying and preventing root rots: [Rainfall and root rots in commercial fruit operations](#) (University of Connecticut)
- [Sun scald and southwest injury](#) to trunks and branches has been observed across many orchards and vineyards this summer, likely due to wide variations in winter temperatures that can cause trunk and branch damage.
- [Fruit sunburn](#) has been observed across many fruit crops in southern WI. Consider removing this fruit while out picking to prevent other pests attracted to the volatiles released from impacting fruit.
- Sanitation:** remove and destroy (chop/compost) fallen fruit ~weekly to prevent any internally developing larvae from reaching maturity, and to limit the spread of disease.

## Apples

- [Oblique banded leafroller](#) larvae were observed in Southern WI. Monitor traps and scout for “catfacing” injury in apples and pears to help identify any large populations.
- Apple and grape growers can reference the NEWA weather station network to monitor for disease infection periods in their area. Check out your nearest weather station: [NEWA Weather Station Network \(Cornell\)](#).
- Warm and rainy weather conditions are ideal for bitter rot in apple orchards; see the article on [bitter rot management](#) from the July 4 WI Fruit newsletter.
- [Sooty blotch and flyspeck](#) has been observed in Southern WI, pushed along by warm, humid conditions. Continue monitoring NEWA models.
- Apple growers should continue monitoring pheromone traps and degree-day (base 50°F) accumulation for [Codling moth](#).
- [Apple maggot](#) pressure is variable across the state. Growers should continue to use red sphere traps to monitor populations.

## Grapes

- Many grape varieties have hit veraison in the last week or so. This may translate to increased [bird](#) and [disease](#) pressure (sour/bunch rot).
- Black rot and fruit rot symptoms have been reported in vineyards around WI. Review this 2022 article by Dr. Leslie Holland on [Fruit and Cluster Rots](#) for more information on black rot and fruit rot management.
- Overview of grape insect/mite monitoring and management: [Grape Insects and Mite Pests, 2024 Field Season](#) (Cornell, 2024).

## Berries

- Grape and berry growers monitoring [spotted wing drosophila](#) should continue checking and refreshing traps weekly.

# Vegetable Considerations

## Pests

- [Green peach aphids](#) continue to be observed in central and northern WI. These aphids can transmit many viruses including Potato Virus Y and cucumber mosaic virus. Make sure you are scouting frequently to determine if aphids are present and if populations are increasing or decreasing. Thresholds for several crops can be found [here](#).
- The peak of the second generation of adult [Colorado potato beetles](#) is occurring across the state. Be on the lookout for eggs on eggplants, potatoes, peppers. Chemical treatments should be timed to coincide with egg hatch as the very early instars are most susceptible for chemical control. Detailed management info can be found [here](#).
- The second generation of [European corn borer](#) adults are very active across central and northern WI. Scout for egg masses in beans, eggplant, peppers, potato, and sweet corn. Economic thresholds and management options for these crops can be found [here](#).
- **Corn earworm** moth [catches are up in WI](#). The risk to late planted sweet corn is high as egg laying activity is now increasing. Sweet corn is vulnerable from row-tassel to 100% silk. [Insecticides must be present on vulnerable silks when eggs hatch](#). Organic control options can be found [here](#), and conventional insecticide options can be found in the [commercial vegetable production guide](#).
- The second generation of adult [crucifer flea beetles](#) are active in central WI. Yellow sticky cards can be used to help determine their population. Treatment is recommended when 10-20% of a stand shows damage. Populations can be spotty across a field so spot treatment can be very effective.

## Diseases

- [Phytophthora crown and fruit rot](#) can infect a large range of fruiting crops including cucurbits and solanaceous crops (tomato, pepper, eggplant). Crown rot will cause the entire plant to collapse and die in a short period of time. Vines will turn brown and appear water soaked before collapsing. Symptoms on fruit often appear on the underside of fruit where it is contact with the ground, but they can also start around stem if the infection is systemic. Lesions appear water soaked and under humid conditions, sporangia may form that are similar in appearance to yeast. Water management is one of the best cultural controls for this disease. Other management options can be found [here](#).
- The first symptoms of [brassica alternaria](#) are pin sized black specks on the leaves or stem. As the lesions expand, they will form concentric rings and black, sooty spores form during periods of high humidity. Sources of inoculum include infected plant debris and brassica weeds. It is spread by wind, rain, and insects like flea beetles.
- [Anthracnose of cucurbits](#) can infect all above ground plant tissue. Symptoms vary based on which cucurbit is infected. On melons and cucumber lesions are brown, irregularly shaped, and often have a yellow halo. On watermelons, the lesions are darker and smaller. Stem infections on melon will often secrete a red colored gum. Fruit lesions are black and sunken and salmon-colored spores will form during high humidity. Winter squash and pumpkins are not often infected.
- [Early blight](#) risk is high across the state. Lesions can occur on both fruit and stems. One way to distinguish this from other diseases is the larger lesions will have concentric rings. Copper can be used as preventative or very early on in disease development. Other control options can be found [here](#). Be sure to remove or bury diseased tissue at the end of the season to reduce the chances of the pathogen surviving the winter.
- Continue monitoring for [septoria leaf spot](#). Common sources of infection include diseased plant debris in the soil and contaminated equipment. Lesions are tan to grey with dark margins and often contain very small black specks called pycnidia which are the fungal structures that produce spores. Symptoms often appear on the lowest leaves first. Like early blight, copper and chlorothalonil can be useful as preventative treatments.



# User Survey

Are you a regular user of the Ag Weather Outlook for Wisconsin (AgWOW)? Or maybe you are viewing these slides for the first time this week? Either way, we want to hear **your** feedback on this resource! Please take a few minutes and fill out this survey:

## [LINK TO SURVEY](#)

Your feedback will help us better serve your ag-weather data needs through AgWOW.

If you have any trouble accessing or filling out the survey, please email Josh Bendorf at [jbendorf@wisc.edu](mailto:jbendorf@wisc.edu).

Thank you!!

-The AgWOW Team

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Photo Credit: USDA



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