



Drought Information Statement for MONTANA

Valid: July 10, 2025

Issued By: NWS Great Falls, NWS Missoula, NWS Glasgow, NWS Billings

Contact Information:

- This product will be updated, August 8, 2025, or sooner, if drought conditions change significantly.
- Please see all currently available products at <https://drought.gov/drought-information-statements>.
- Please visit <https://www.weather.gov/TFX/DroughtInformationStatement> for previous statements.

- D3 drought conditions have expanded across portions of western and central Montana.





U.S. Drought Monitor

Link: [Latest Montana U.S. Drought Monitor](#)

U.S. Drought Monitor Montana

July 8, 2025

(Released Thursday, Jul. 10, 2025)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	24.85	75.15	62.48	32.87	9.49	0.00
Last Week 07-01-2025	21.11	78.89	67.27	36.08	9.48	0.00
3 Months Ago 04-08-2025	34.57	65.43	37.93	10.82	1.72	0.00
Start of Calendar Year 01-01-2025	6.70	93.30	54.22	27.25	13.79	0.00
Start of Water Year 10-01-2024	15.18	84.82	42.24	21.05	9.44	0.90
One Year Ago 07-09-2024	2.75	97.25	40.03	3.45	0.00	0.00

Intensity:

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

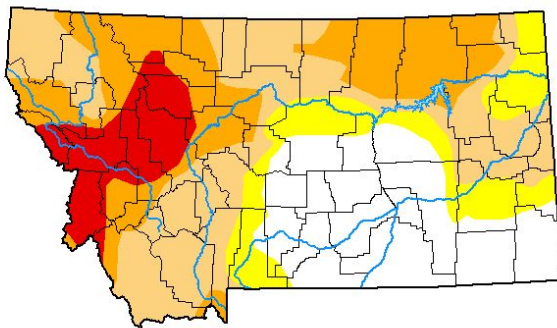
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Brad Pugh
CPC/NOAA



droughtmonitor.unl.edu



Drought intensity and Extent

- **D4 (Exceptional Drought):** None
- **D3 (Extreme Drought):** A portion western and central MT
- **D2 (Severe Drought):** Portions of western, central and northeastern MT
- **D1 (Moderate Drought):** Portions of western, central and eastern MT
- **D0: (Abnormally Dry):** Portions of central and eastern MT



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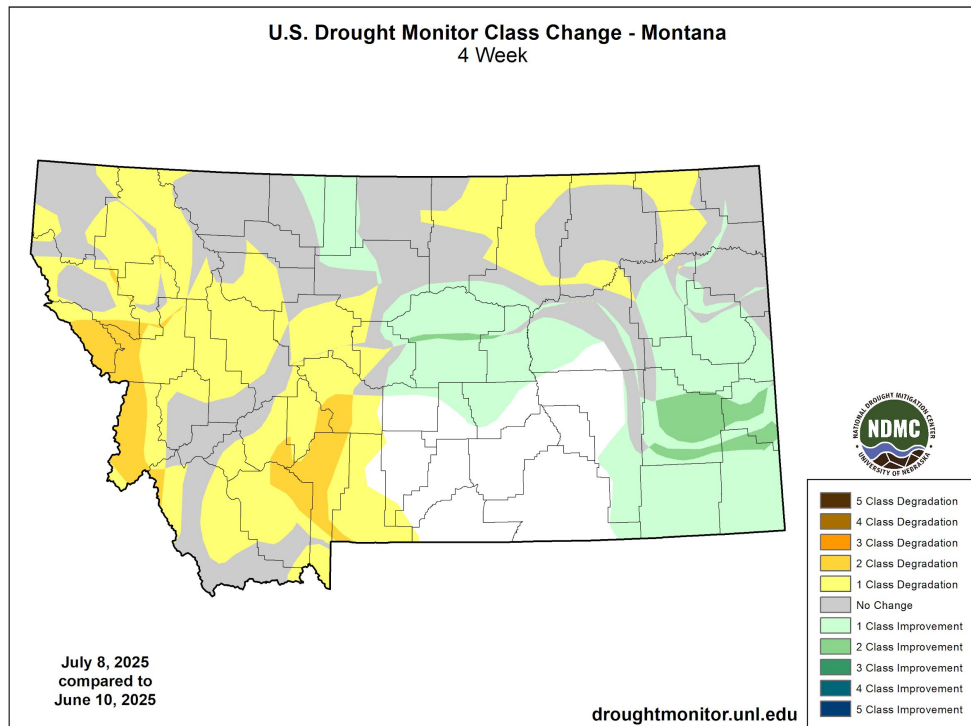
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Great Falls, Montana



Recent Change in Drought Intensity

Link: [Montana 4-week Change Map](#)

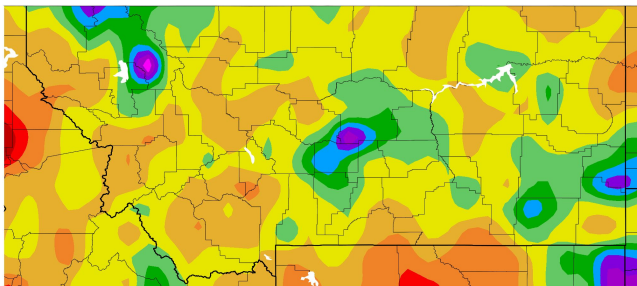
- Four Week Drought Monitor Class Change
 - **Drought Worsened:** Portions of western, central and northeastern MT
 - **No Change:** Portions of western, central and eastern MT
 - **Drought Improved:** Portions of central and eastern MT





Precipitation

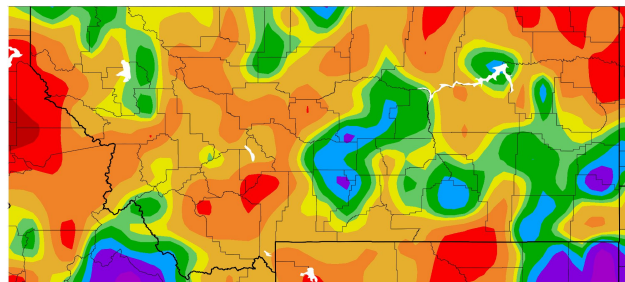
Precipitation (in)
6/10/2025 – 7/9/2025



Generated 7/10/2025 using provisional data.

ACIS Web Services

Percent of Normal Precipitation (%)
6/10/2025 – 7/9/2025



Generated 7/10/2025 using provisional data.

ACIS Web Services

- **Precipitation (in):** During the past month, portions of the state of Montana have received more than 2.5 inches of precipitation, while other portions of the state received less than 1.75 inches of moisture.
- **Percent of Normal Precipitation (%):** Much of The Treasure State received below normal precipitation, while some areas received above normal precipitation.

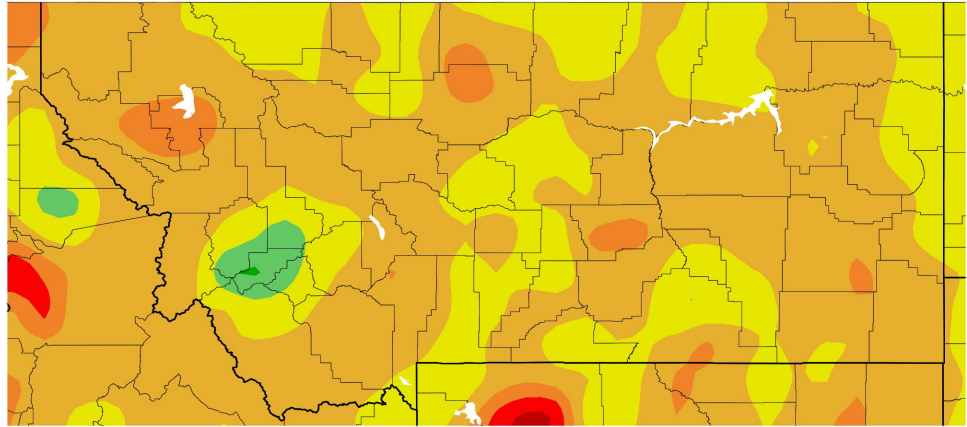




Temperature

Departure from Normal Temperature (F)
6/10/2025 – 7/9/2025

- Over the past four weeks, but for an isolated area of southwestern MT, where temperatures were recorded as below normal, the rest of the state experienced warmer than normal temperatures.



Generated 7/10/2025 using provisional data.

ACIS Web Services



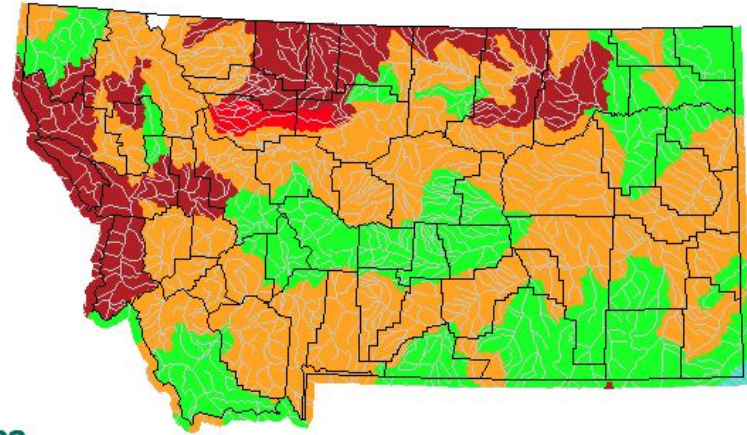


Hydrologic Conditions and Impacts

Link: [USGS 7-day Average Streamflow Compared to Historical](#)

Wednesday, July 09, 2025

- **Above Normal:** None
- **Normal:** Some areas of the state of MT experienced streamflow in the normal range.
- **Below Normal:** Most of the state of MT is experiencing below normal to much below normal streamflow, while streamflow values for portions of the Sun Teton Marias Basin reside in the low percentile class.



Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Image Caption: USGS 7-day Average Streamflow HUC Map, valid: July 9, 2025

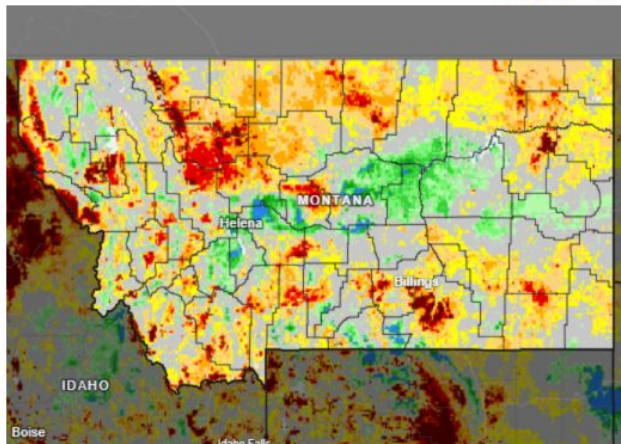




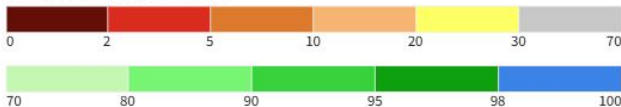
Agricultural Impacts

Link: drought.gov/states/montana

NASA SPoRT-LIS 0-100 cm Soil Moisture Percentile



0-100 cm Soil Moisture Percentile



An accurate depiction of soil moisture conditions can provide valuable insights for agricultural monitoring, weather prediction, and drought and flood early warning. This map shows the moisture content of the top 1 meter of soil compared to historical conditions from 1981-2013, based on NASA's Short-term Prediction and Transition Center - Land Information System (SPoRT-LIS). Red and orange hues indicate drier soils, while greens and blues indicate greater soil moisture.

Source(s): NASA
Data Valid: 07/09/25

Drought.gov

The Soil Moisture Percentile map shows dry conditions for most of the state, with considerable areas in the 0 to 5 percentile range.

The highest soil moisture values are, generally, spread across portions of central MT.



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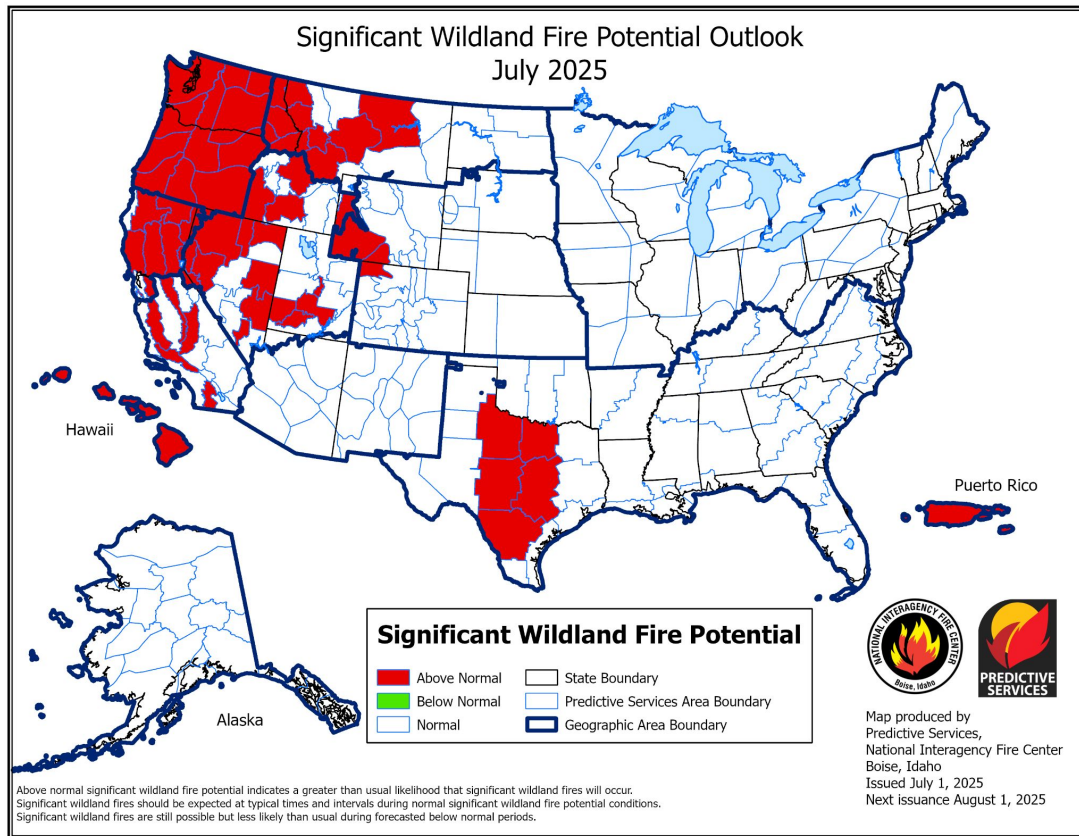
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Fire Hazard Impacts

Link: [Wildfire Potential Outlooks from the National Interagency Coordination Center](#)

- During the month of July, most of western and central MT are included in an area of above normal significant wildland fire potential conditions.
- Above normal significant wildland fire potential indicates a greater than usual likelihood that significant wildland fires will occur.



Above normal significant wildland fire potential indicates a greater than usual likelihood that significant wildland fires will occur. Significant wildland fires should be expected at typical times and intervals during normal significant wildland fire potential conditions. Significant wildland fires are still possible but less likely than usual during forecasted below normal periods.



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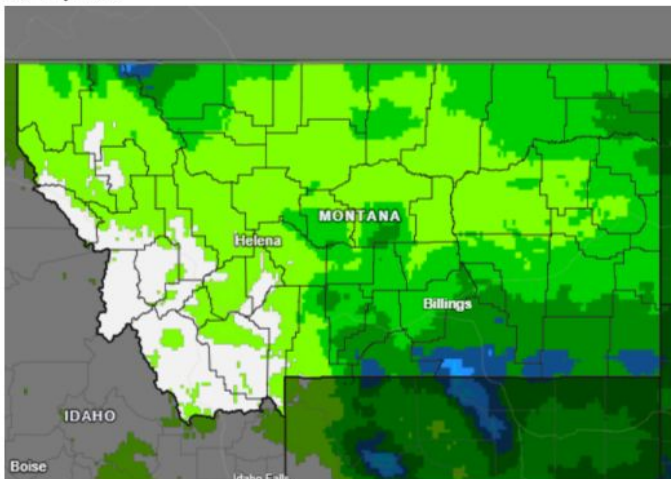
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7-Day Precipitation Forecast

Link: drought.gov/states/montana

7-Day Quantitative Precipitation Forecast for July
10-17, 2025



Predicted Inches of Precipitation



This map shows the amount of liquid precipitation (in inches) expected to fall over the next 7 days, according to the National Weather Service.

Source(s): National Weather Service Weather Prediction Center
Last Updated: 07/10/25

Drought.gov

- Through, July 17, 2025, the liquid precipitation forecast, generally, shows widespread precipitation values up to 0.5", with most of southwestern MT remaining dry.
- As much as 0.75" to 1.00" of precipitation is forecast to fall across some isolated higher elevations.

Note: Afternoon and evening showers and thunderstorms should be expected, with the majority of this precipitation forecast to fall on Monday and Tuesday.



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8 to 14-Day Hydrologic Hazards Outlook

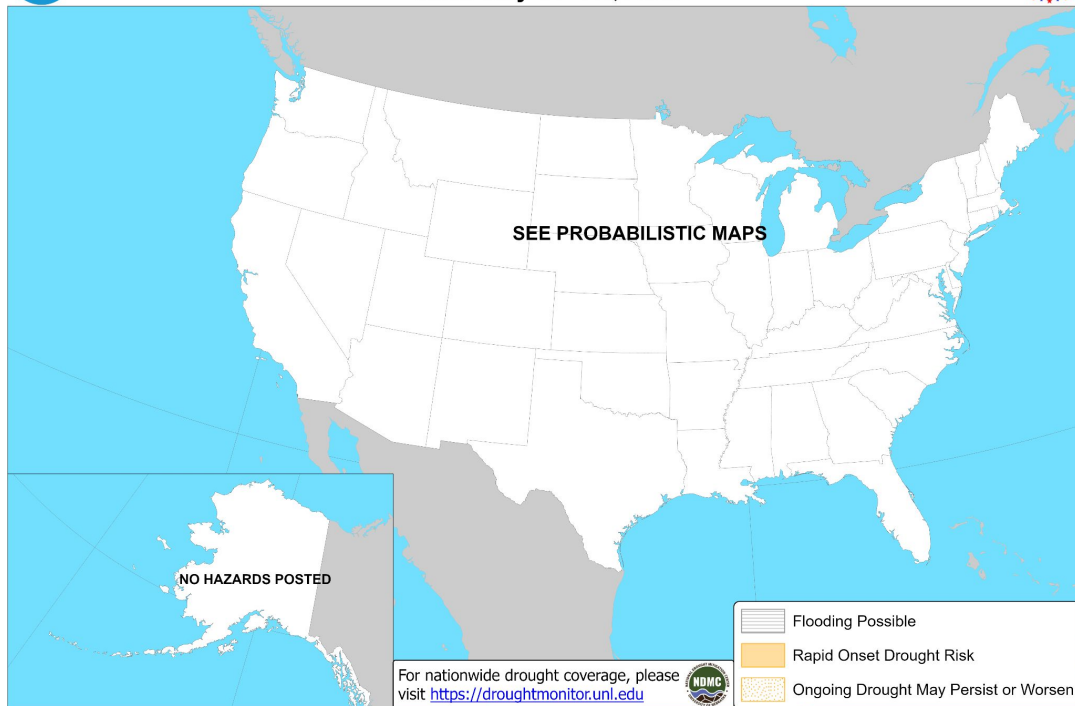
Link: [Climate Prediction Center 8 to 14-day Hazards Outlook](#)

- As of this time, no significant flooding or rapid onset drought hazards are forecast to occur across The Treasure State from, July 18th to 24th.



Days 8-14 U.S. Hazards Outlook

Valid: July 18 - 24, 2025



Climate Prediction Center

Released: July 10, 2025 3:00 PM EDT

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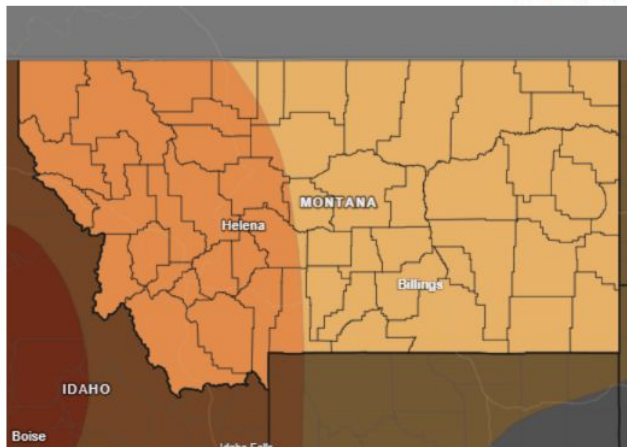
National Weather Service
Great Falls, Montana



8 to 14-Day Temperature and Precipitation Outlooks

The latest monthly and seasonal outlooks can be found on the [CPC Homepage](https://www.cpc.ncep.noaa.gov)

8-14 Day Temperature Outlook for July 17-23, 2025



Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures



■ Near-Normal Conditions

This map shows the probability (percent chance) of above-normal, near-normal, or below-normal temperature 8 to 14 days in the future.

Source(s): Climate Prediction Center

Last Updated: 07/09/25

Drought.gov

The 8 to 14-Day Temperature Outlook shows a better chance for warmer than normal temperatures across the state of MT.

The 8 to 14-Day Precipitation Outlook shows a better chance for near normal precipitation, statewide.

8-14 Day Precipitation Outlook for July 17-23, 2025



Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



■ Near-Normal Conditions

This map shows the probability (percent chance) of above-normal, near-normal, or below-normal precipitation 8 to 14 days in the future.

Source(s): Climate Prediction Center

Last Updated: 07/09/25

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Seasonal Temperature and Precipitation Outlooks

The latest monthly and seasonal outlooks can be found on the [CPC Homepage](#)

The Seasonal Temperature Outlook shows a better chance for warmer than normal temperatures across The Treasure State.

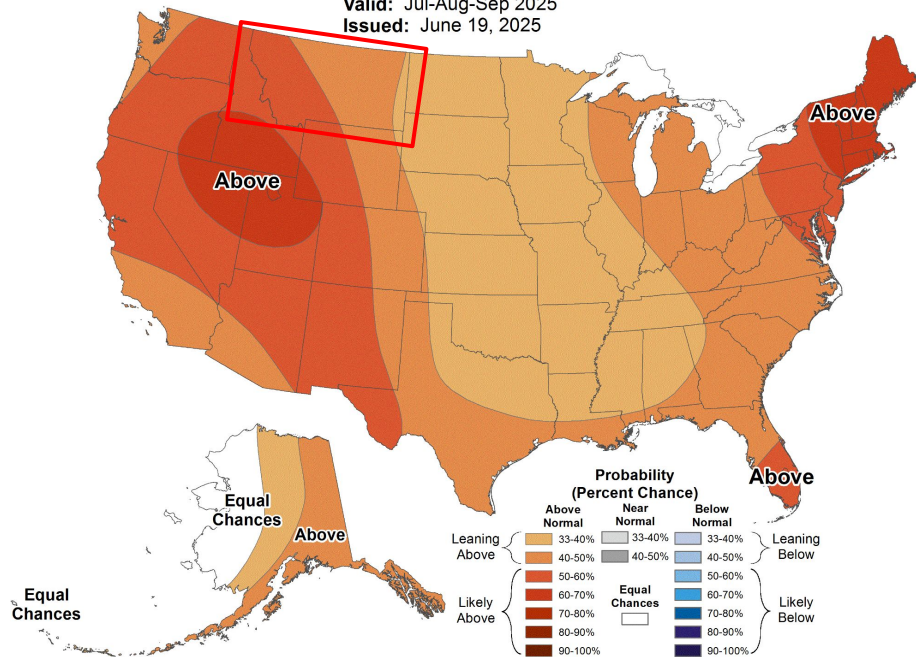
The Seasonal Precipitation Outlook shows a better chance for below normal precipitation, statewide.



Seasonal Temperature Outlook



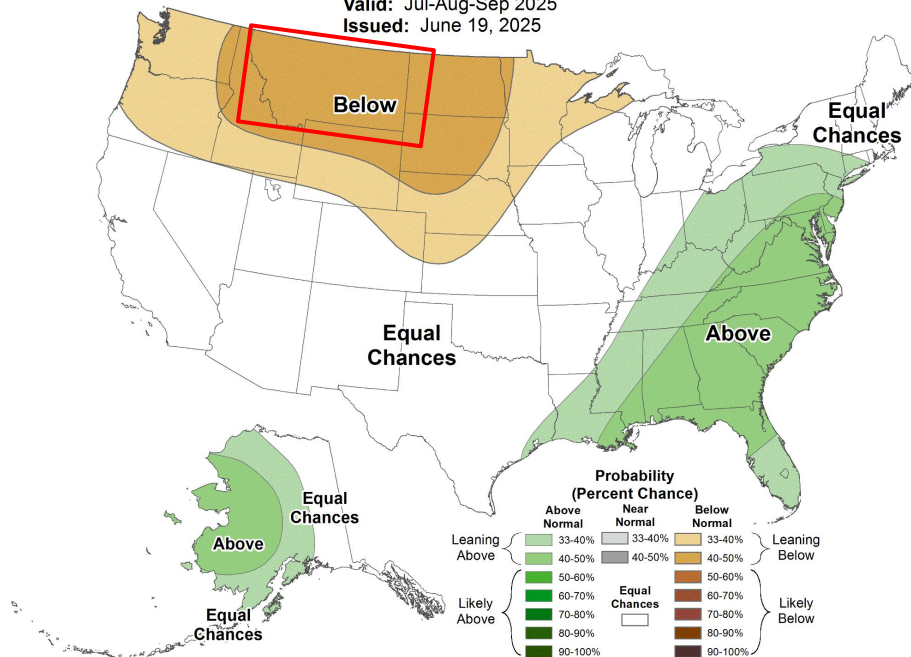
Valid: Jul-Aug-Sep 2025
Issued: June 19, 2025



Seasonal Precipitation Outlook



Valid: Jul-Aug-Sep 2025
Issued: June 19, 2025



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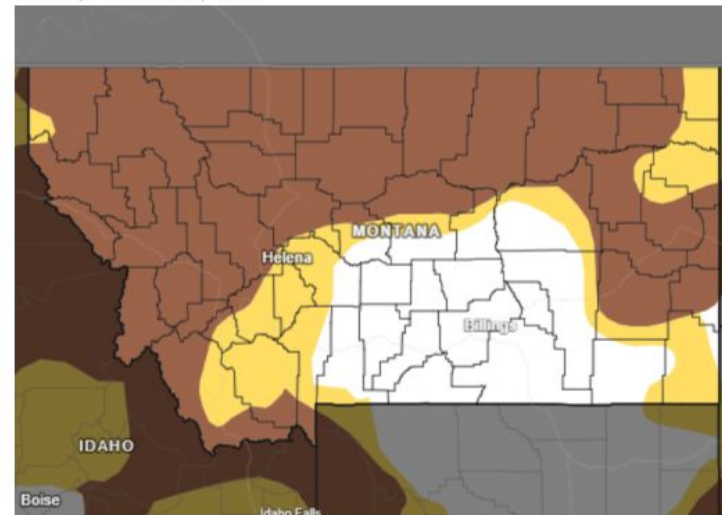
Seasonal Drought Outlook

The latest monthly and seasonal outlooks can be found on the [CPC homepage](https://www.cpc.ncep.noaa.gov/)

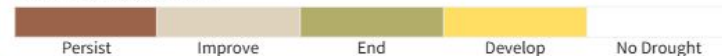
- **Persisting:** Drought conditions are predicted to persist across much of The Treasure State.
- **Developing:** Portions of the remainder of the state
- **Improving:** None
- **Ending:** None
- **No Drought:** Portions of southern MT

<https://www.drought.gov/states/montana>

Seasonal (3-Month) Drought Outlook for June 30–September 30, 2025



Drought Is Predicted To...



The Seasonal Drought Outlook predicts whether drought will develop, remain, improve, or be removed in the next 3 months or so.

Source(s): Climate Prediction Center

Last Updated: 06/30/25

Drought.gov

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](https://www.cpc.ncep.noaa.gov/monthly/drought/)
[Climate Prediction Center Seasonal Drought Outlook](https://www.cpc.ncep.noaa.gov/seasonal/drought/)



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Summary of Impacts

Links: Submit [Condition Monitoring Observer Reports \(CMOR\)](#) and View the [Drought Impacts Reporter](#)

Hydrologic Impacts

- 68.42% of the state of Montana is reported as, “severely dry,” with an additional, 22.22% reported as, “moderately dry.” Montana State Library | National Drought Mitigation Center. 2025. Drought Impacts. [accessed July 10, 2025]. <https://storymaps.arcgis.com/stories/76204aa1271a4a7f8a775fc2bba9ef83>

Agricultural Impacts

- Diminished crop production
- Decreasing surface water
- Grasshopper infestations

Fire Hazard Impacts

- Elevated fire hazard
- Please, exercise fire safety practices.

Other Impacts & Messaging

- Health concerns associated with excessive heat and smoke
- Recreational impacts

Mitigation Actions

- Thunderstorm season is here. Special attention is paid to burn scar areas.
- Communication, coordination and collaboration between partners is always key.

