

Oklahoma Water Resources Bulletin

Summary of Current Conditions

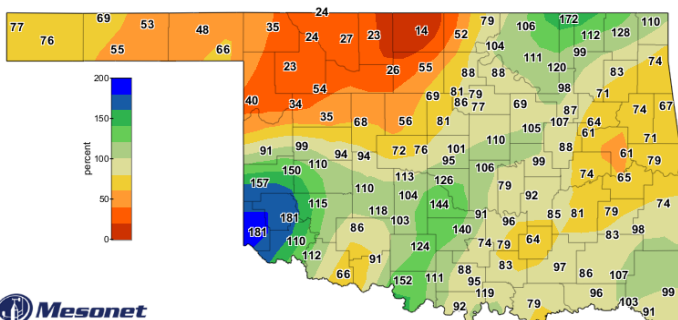
March 14, 2025

Precipitation

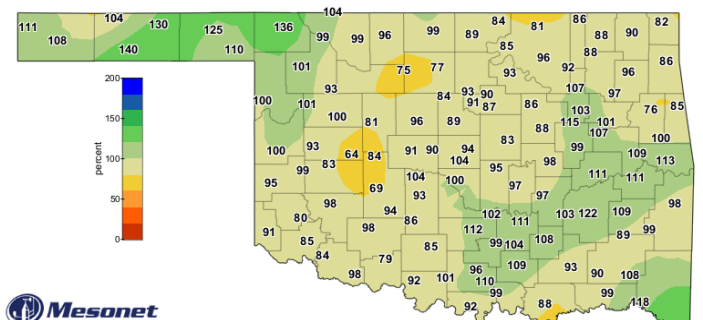
Last 30 Days: February 12, 2025, through March 14, 2025

Last 365 Days: March 14, 2024, through March 13, 2025

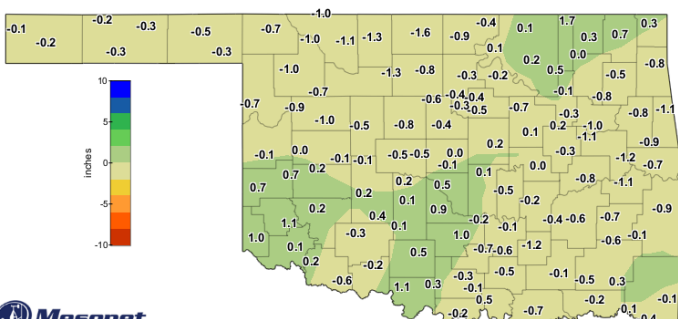
Climate Division	Total Rainfall (inches)	Departure From Normal (inches)	Percent of Normal	Rank Since 1921	Climate Division	Total Rainfall (inches)	Departure From Normal (inches)	Percent of Normal	RANK SINCE 1921
PANHANDLE	0.45"	-0.46"	50%	41st driest	PANHANDLE	23.14"	+2.56"	112%	26th wettest
N. CENTRAL	0.69"	-1.11"	38%	31st driest	N. CENTRAL	27.85"	-3.57"	89%	43rd driest
NORTHEAST	2.46"	-0.29"	90%	39th wettest	NORTHEAST	38.87"	-3.80"	91%	51st driest
W. CENTRAL	1.30"	-0.33"	80%	43rd wettest	W. CENTRAL	24.97"	-3.43"	88%	43rd driest
CENTRAL	1.94"	-0.41"	83%	45th wettest	CENTRAL	34.13"	-3.50"	91%	46th driest
E. CENTRAL	2.29"	-0.93"	71%	47th driest	E. CENTRAL	47.93"	+1.79"	104%	31st wettest
SOUTHWEST	1.82"	-0.02"	99%	39th wettest	SOUTHWEST	25.87"	-4.40"	85%	37th driest
S. CENTRAL	2.62"	-0.27"	91%	47th wettest	S. CENTRAL	40.39"	-0.32"	99%	41st wettest
SOUTHEAST	3.54"	-0.39"	90%	49th driest	SOUTHEAST	52.65"	+2.06"	104%	37th wettest
STATEWIDE	1.88"	-0.47"	80%	51st driest	STATEWIDE	34.97"	-1.50"	96%	49th wettest



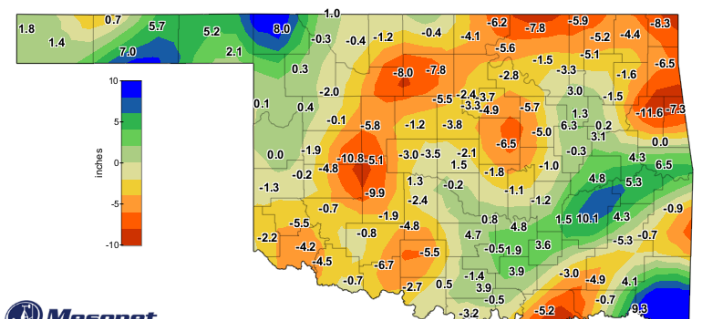
Mesonet
Percent of 1991-2020 Normal Rainfall
Last 30 Days
Feb 12, 2025 through Mar 13, 2025
Created 3:41:16 AM March 14, 2025 CDT. Copyright 2025



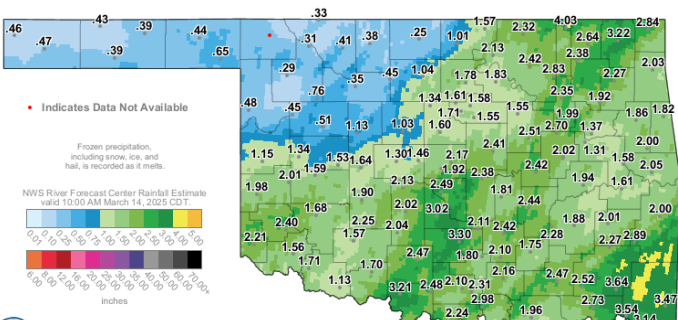
Mesonet
Percent of 1991-2020 Normal Rainfall
Last 365 Days
Mar 14, 2024 through Mar 13, 2025
Created 3:41:24 AM March 14, 2025 CDT. Copyright 2025



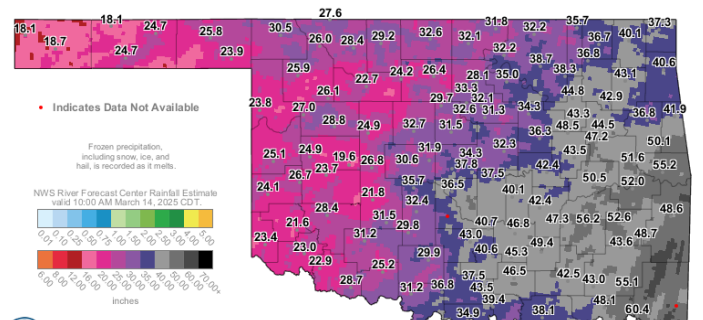
Mesonet
Departure from 1991-2020 Normal Rainfall
Last 30 Days
Feb 12, 2025 through Mar 13, 2025
Created 3:41:16 AM March 14, 2025 CDT. Copyright 2025



Mesonet
Departure from 1991-2020 Normal Rainfall
Last 365 Days
Mar 14, 2024 through Mar 13, 2025
Created 3:41:24 AM March 14, 2025 CDT. Copyright 2025



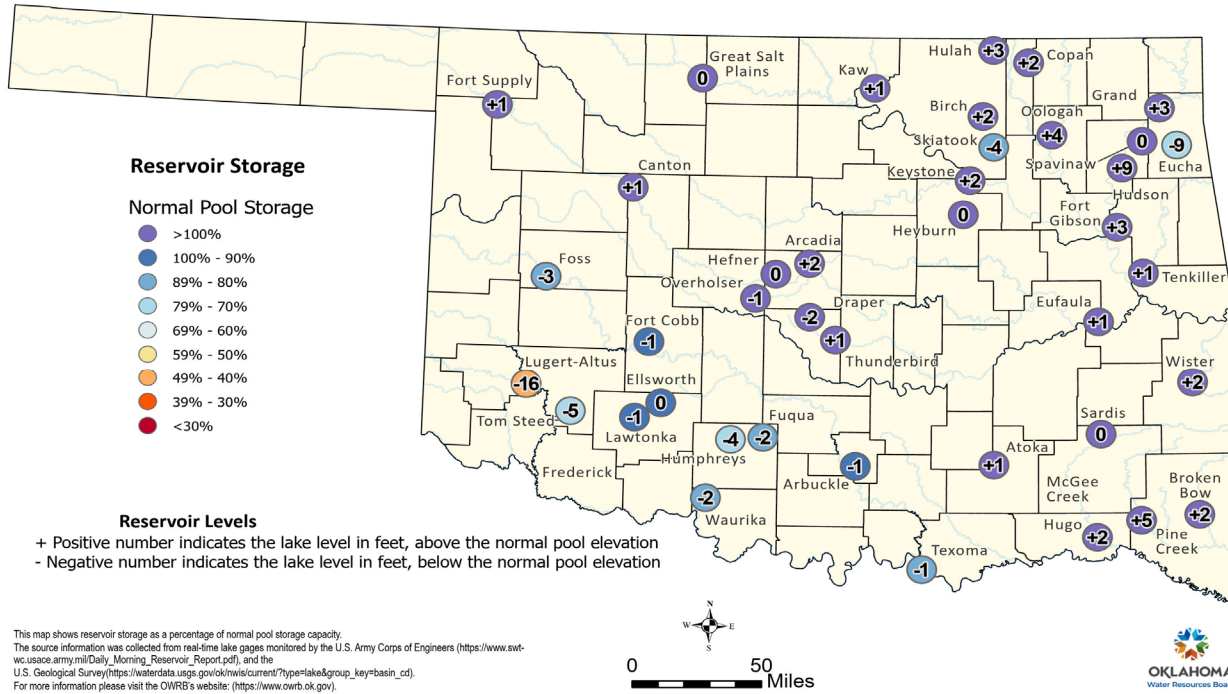
Mesonet
30-Day Rainfall Accumulation (inches)
11:30 AM March 14, 2025 CDT
Created 11:37:40 AM March 14, 2025 CDT. Copyright 2025



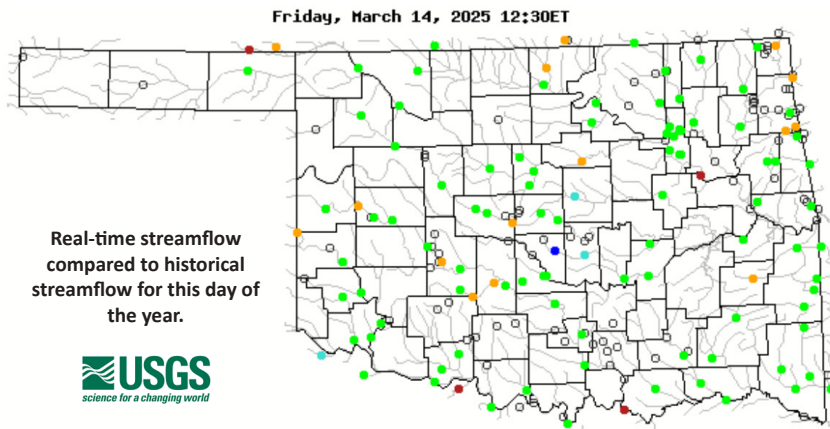
Mesonet
365-Day Rainfall Accumulation (inches)
11:35 AM March 14, 2025 CDT
Created 11:42:52 AM March 14, 2025 CDT. Copyright 2025

Reservoir Levels

Oklahoma Reservoir Levels and Storage as of 3/10/2025



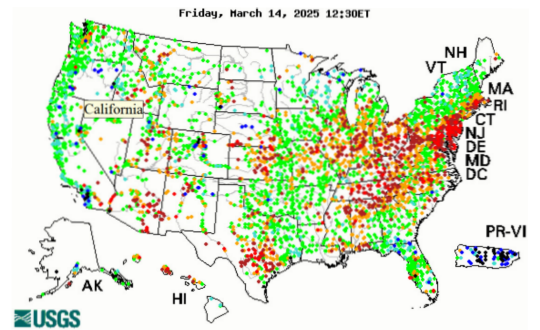
Streamflow



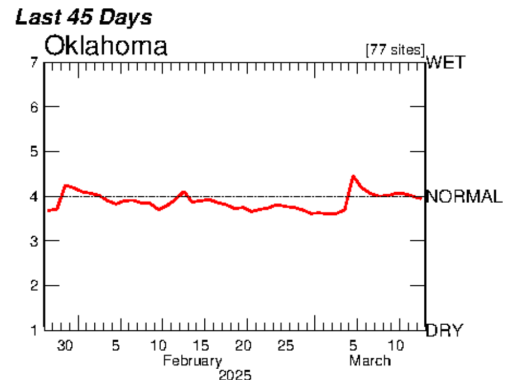
Explanation - Percentile classes							
●	●	●	●	●	●	●	●
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	Not ranked

Visit waterwatch.usgs.gov for additional real-time streamflow information.

Visit the OWRB's [Water Data and Analysis Portal](#) for continuous and discrete water quality and quantity data for Oklahoma lakes, streams, and aquifers across the state.

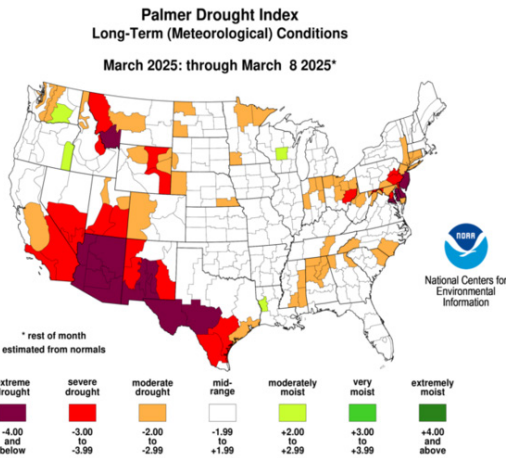


Average Streamflow Index



Drought Conditions

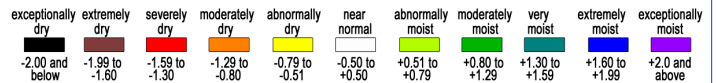
Palmer Drought Severity Index (PDSI)



The PDSI is a standardized index based on a simplified soil water balance and estimates relative soil moisture conditions.

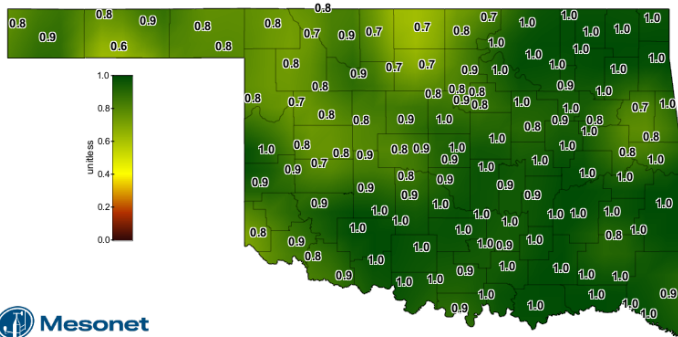
Standardized Precipitation Index (SPI) Through February 2025

Climate Division	3-month	12-month	24-month
PANHANDLE	Severely Dry	Near Normal	Very Moist
NORTH CENTRAL	Moderately Dry	Near Normal	Near Normal
NORTHEAST	Moderately Dry	Near Normal	Near Normal
WEST CENTRAL	Severely Dry	Near Normal	Abnormally Moist
CENTRAL	Moderately Dry	Near Normal	Abnormally Moist
EAST CENTRAL	Near Normal	Abnormally Moist	Near Normal
SOUTHWEST	Extremely Dry	Near Normal	Near Normal
SOUTH CENTRAL	Abnormally Dry	Near Normal	Near Normal
SOUTHEAST	Moderately Moist	Abnormally Moist	Abnormally Moist



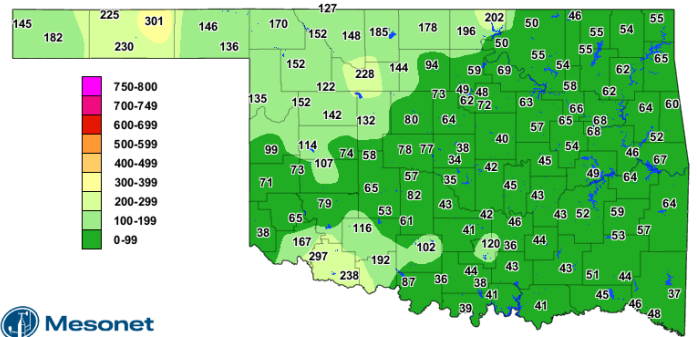
The SPI provides a comparison of precipitation over several specified time periods with totals from the periods for all years in the historical record. Through January 2025, all regions were Near Normal or wetter.

Soil Moisture



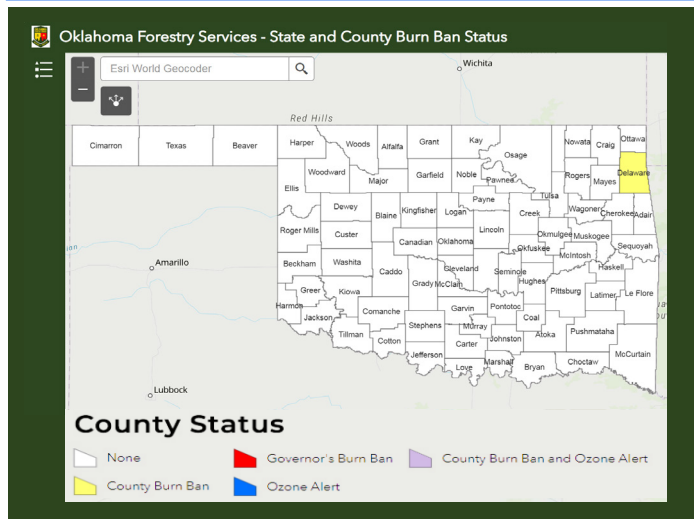
The 1-day Average 4-inch Bare Soil Fractional Water Index map displays the 24-hour averaged soil moisture at 4 inches under bare soil for the previous day. Fractional water index ranges from 0 (as dry as the sensor can read) to 1.0 (as wet as the sensor can read). Soil moisture cannot be measured if the soils are frozen, which may cause maps to have large areas of missing data during the winter months.

Keetch-Byram Drought Index

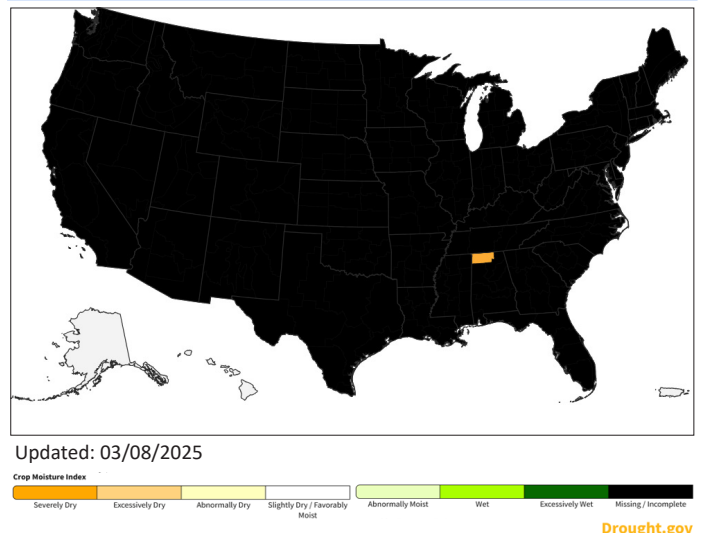


The Keetch-Byram Drought Index measures the state of near-surface soil moisture (within the uppermost eight inches of soil) as well as the amount of fuel available for fires. KBDI values > 600 are often associated with severe drought and increased wildfire occurrence.

State & County Burn Ban Status



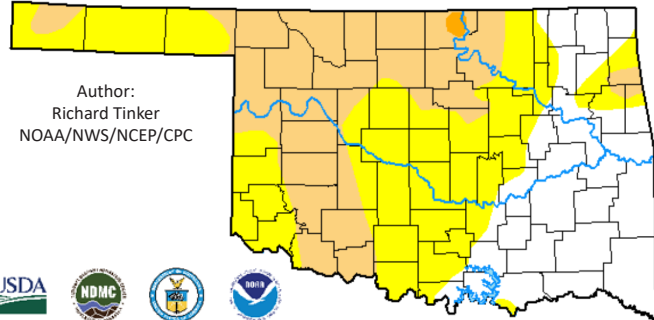
Crop Moisture Index



Oklahoma Drought Monitor

<p style="text-align: center; font-weight: bold; font-size: 1.2em;">62</p> <p style="font-size: 0.8em;">primary counties with USDA Drought Disaster Designations, according to the USDA Farm Service Agency</p>	<p style="text-align: center; font-weight: bold; font-size: 1.2em;">~519,400</p> <p style="font-size: 0.8em;">Oklahoma residents in areas of drought, according to the Drought Monitor</p> <p style="text-align: center; color: white;">↓ 14.2% since last week</p>	<p style="text-align: center; font-weight: bold; font-size: 1.2em;">23rd</p> <p style="font-size: 0.8em;">driest February on record (since 1895)</p> <p style="font-size: 0.8em;">0.65 in. total precipitation ↓ 0.97 in. from normal</p>	<p style="text-align: center; font-weight: bold; font-size: 1.2em;">34th</p> <p style="font-size: 0.8em;">driest January–February on record (since 1895)</p> <p style="font-size: 0.8em;">1.89 in. total precipitation ↓ 1.16 in. from normal</p>
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Statistics valid as of 3/11/25



Author:
Richard Tinker
NOAA/NWS/NCEP/CPC



droughtmonitor.unl.edu

March 11, 2025
(Released March 13, 2025)
Valid 8 a.m. EDT

Intensity:

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

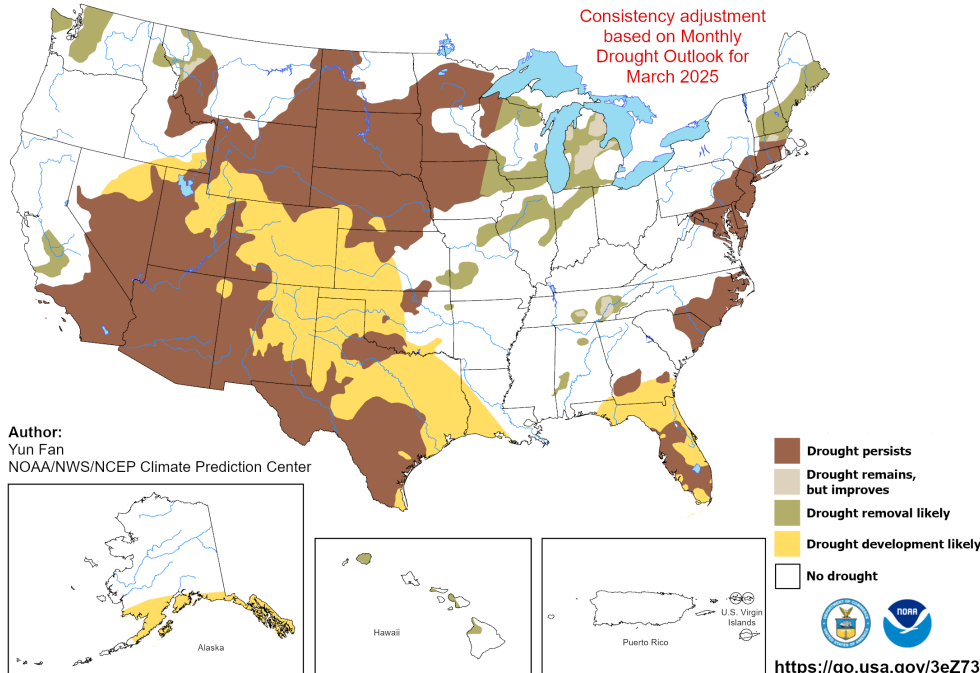
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Week	Date	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
Current	2025-03-11	28.93	71.07	32.13	0.33	0.00	0.00	104
Last Week to Current	2025-03-04	19.11	80.89	25.66	0.33	0.00	0.00	107
3 Months Ago to Current	2024-12-10	53.30	46.70	17.91	1.85	0.00	0.00	66
Start of Calendar Year to Current	2024-12-31	70.28	29.72	5.52	0.33	0.00	0.00	36
Start of Water Year to Current	2024-10-01	22.82	77.18	61.31	37.39	11.50	0.00	187
One Year Ago to Current	2024-03-12	54.84	45.16	3.82	0.19	0.00	0.00	49

Drought Probability

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

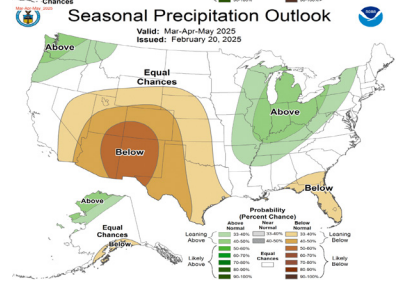
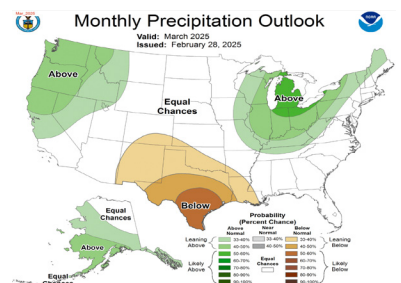
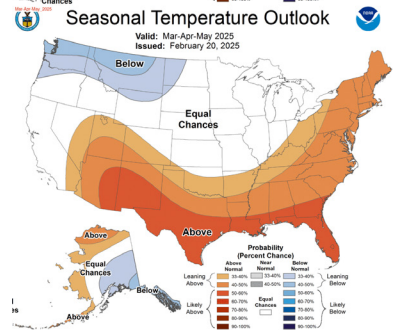
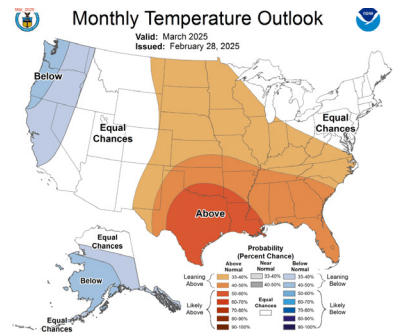
Valid for March 1 - May 31, 2025
Released February 28, 2025



The map depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4). Tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. Green areas imply drought removal by the end of the period.

- D0 - Abnormally Dry**
 - Crops are stressed (wheat, canola, alfalfa, pecans); winter wheat germination is delayed
 - Stock pond levels decline
- D1 - Moderate Drought**
 - Summer crop and forage yields are reduced
 - Wildfire risk increases
 - Lake recreation activities are affected; deer reproduction is poor
- D2 - Severe Drought**
 - Dryland crops are severely reduced; pasture growth is stunted
 - Cattle are stressed
 - Burn bans begin
- D3 - Extreme Drought**
 - Grasses are dormant, and hay is nonexistent; planting is delayed; fields are spotty; emergency CRP grazing is authorized
 - Cattle have little water and feed
 - Wildfires are increasing in number and severity; air quality is poor, with dust storms and smoke
- D4 - Exceptional Drought**
 - Ground is cracking; farmers are baling failed crops or abandoning fields; pastures are bare; land is abandoned
 - Cost of hay and water is high and supplies are scarce; producers are liquidating herds
 - Burn restrictions increase; fire season is long

Monthly/Seasonal Outlook



NOAA/ National Weather Service
National Centers for Environmental Prediction
Climate Prediction Center