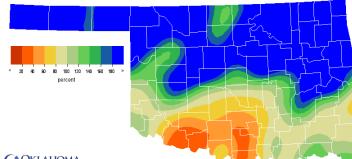
Oklahoma Water Resources Bulletin & Summary of Current Conditions

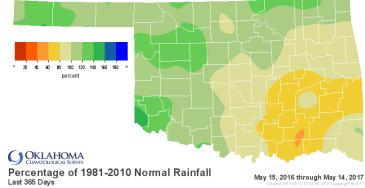


May 15, 2017

PRECIPITATION

	Statewide Precipitation							
Last 30 Days April 16, 2017 – May 14, 2017			Last 365 Days May 15, 2016 – May 14, 2017					
Climate Division	Total Rainfall (inches)	Departure From Normal (inches)	Percent of Normal	Rank Since 1921	Total Rainfall (inches)	Departure From Normal (inches)	Percent of Normal	Rank Since 1921
PANHANDLE	4.83"	+2.83"	241%	5th wettest	24.24"	+3.66"	118%	22nd wettest
NORTH CENTRAL	6.91"	+3.43"	199%	5th wettest	35.61"	+4.19"	113%	21st wettest
NORTHEAST	13.42"	+8.55"	276%	1st wettest	45.13"	+2.46"	106%	27th wettest
WEST CENTRAL	4.84"	+1.86"	162%	16th wettest	34.84"	+6.44"	123%	9th wettest
CENTRAL	6.98"	+2.79"	167%	11th wettest	36.81"	-0.82"	98%	32nd wettest
EAST CENTRAL	10.84"	+5.80"	215%	3rd wettest	38.20"	-7.94"	83%	25th driest
SOUTHWEST	2.96"	-0.42"	88%	44th driest	36.51"	+6.24"	121%	10th wettest
SOUTH CENTRAL	2.97"	-1.65"	64%	25th driest	33.38"	-7.33"	82%	31st driest
SOUTHEAST	5.68"	+0.18"	103%	47th driest	40.62"	-9.97"	80%	14th driest
STATEWIDE	6.71"	+2.69"	167%	9th wettest	36.11"	-0.36"	99%	37th wettest



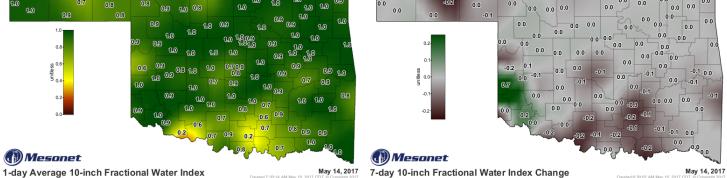


OKLAHOMA CLIMATOLOGICAL SURVEY

Percentage of 1981-2010 Normal Rainfall Last 30 Days

Apr 15, 2017 through May 14, 2017





The Fractional Water Index ranges from very dry soil having a value of 0 to soil at field capacity illustrated by a value of 1. [1.0-0.8 = Enhanced Growth; 0.8-0.5 = Limited Growth; 0.5-0.3 = Plants Wilting; 0.3-0.1 = Plants Dying; <0.1 = Barren Soil.]

DROUGHT INDICES

Palmer Drought Severity Index (PDSI)

Standardized Precipitation Index (SPI) Through April 2017

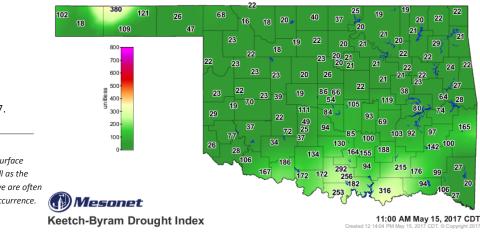
Climate Division	Status 4/15/17	Value 4/15 5/6	Change in Value	
NORTHWEST	Moderate Drought	1.25 2.78	-1.53	
NORTH CENTRAL	Moderate Drought	0.78 2.19	-1.41	
NORTHEAST	Moderate Drought	-0.84 2.66	-3.5	
WEST CENTRAL	Near Normal	1.12 1.76	-0.64	
CENTRAL	Near Normal	-0.06 1.74	-1.8	
EAST CENTRAL	Near Normal	-2.71 1.47	-4.18	
SOUTHWEST	Moderate Drought	2.47 2.24	0.23	
SOUTH CENTRAL	Near Normal	-1.78 -1.15	-0.63	
SOUTHEAST	Near Normal	-1.96 -0.56	-1.4	
extreme severe drought drought -4.0 or less -3.0 to -3.9	moderate near unus drought normal moist s -2.0 to -2.9 -1.9 to +1.9 +2.0 to	spell moist spell	extremely moist +4.0 and above	e

The PDSI is based upon precipitation, temperature, and soil moisture, and is considered most effective for unirrigated cropland. According to the latest PDSI, four climate regions are experiencing moderate drought: Northwest, North Central, Northeast, and Southwest.

3-month	12-month	24-month		
Extremely Moist	Abnormally Moist	Exceptionally Moist		
Very Moist	Moderately Moist	Extremely Moist		
Exceptionally Moist	Near Normal	Very Moist		
Very Moist	Moderately Moist	Extremely Moist		
Extremely Moist	Near Normal	Extremely Moist		
Exceptionally Moist	Abnormally Dry	Exceptionally Moist		
Abnormally Moist	Moderately Moist	Exceptionally Moist		
Abnormally Moist	Near Normal	Exceptionally Moist		
Abnormally Moist	Moderately Dry	Extremely Moist		
exceptionally extremely severely moderatel dry dry dry dry dry -2.00 and -1.99 to -1.59 to -1.29 to below -1.60	dry normal moist m -0.79 to -0.50 to +0.51 to +0.5	erately very extremely exceptionally noist moist moist moist 80 to +1.30 to +1.60 to +2.0 and 1.29 +1.59 +1.99 above		

The SPI provides a comparison of precipitation over several specified periods with totals from the same periods for all years included in the historical record. For the 12-month time period, the East Central and Southeast regions had Moderately Dry conditions. All regions had very moist conditions or wetter for the 24-month time period.

Keetch-Byram Drought Fire Index



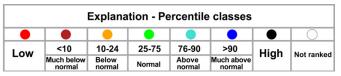
May 15, 11:00 a.m.--0 stations are above 600.

Zero stations were above 600 on April 15, 2017.

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 of 600 and above are often associated with more severe drought and increased wildfire occurrence.

STREAMFLOW CONDITIONS

May15, 2017



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

Real-time streamflow on May 15, 2017, at 11:30 a.m. compared to historical streamflow for day of year.

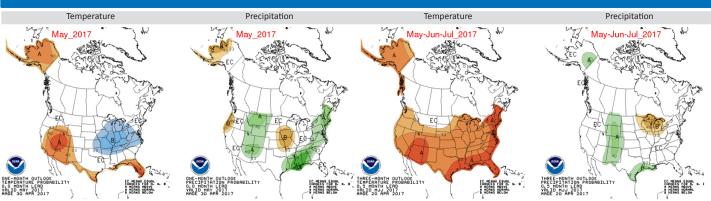
0





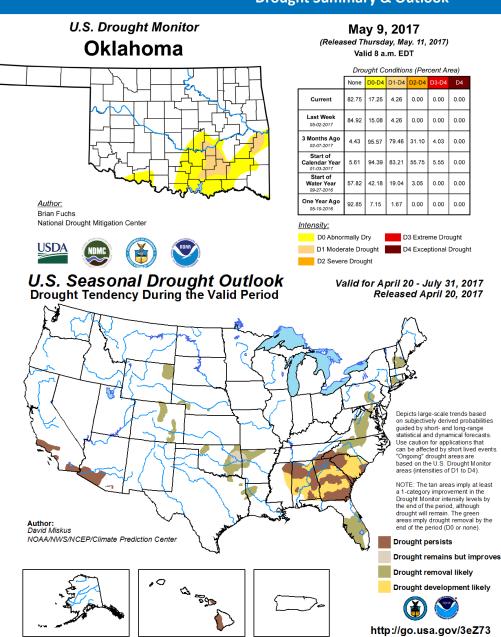
WEATHER/DROUGHT FORECAST

Seasonal Outlook



The contours on the maps show the total probability of three categories—above, indicated by the letter "A"; and below, indicated by the letter "B". "EC" indicates " "Equal Chances" for A or B. For April-June, the probability for precipitation in all areas of the state has equal chances of being above or below normal.

Drought Summary & Outlook



According to the latest *U.S. Drought Monitor*, the number of Oklahomans currently affected by drought is 61,290, down by more than 2.3 million from this time last month.

No areas of the state are suffering from exceptional, extreme, or severe drought (D4-D2). However, about 4.26% of the state (in area) is in moderate drought (D1).

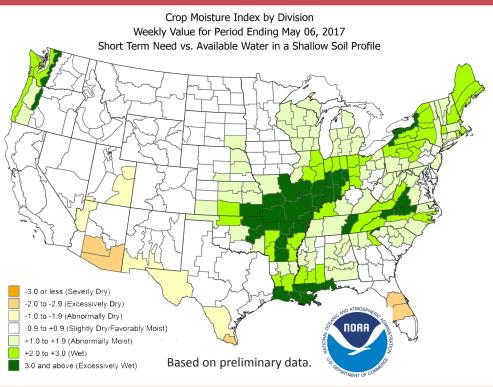
According to the latest seasonal drought outlook for the period of April 20 through July 31, a few areas of drought will persist in the state, mostly in the eastern half.

Drought is likely to develop and persist Alabama, Georgia, and South Carolina, and in some parts of southern California and Arizona.

CROP MOISTURE INDEX

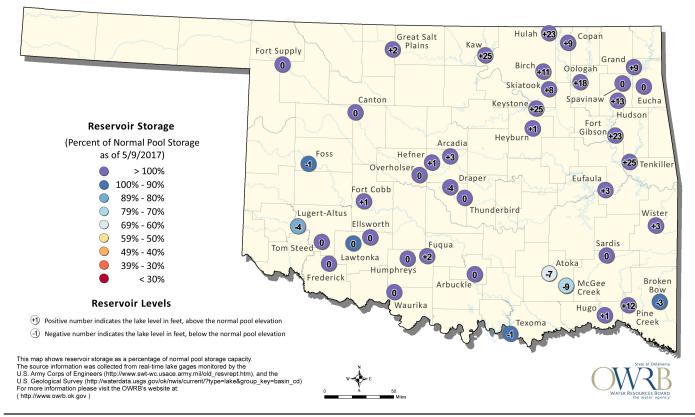
According to the NOAA Crop Moisture Index by Division, for the period ending May 6, 2017, the West Central, Southwest, and South Central regions are Slightly Dry/Favorably Moist (-0.9 to +0.9). All other regions are Abnormally Moist or wetter.

Derived from the Palmer Drought Severity Index (PDSI), the Crop Moisture Index reflects moisture supply in the short-term across major crop-producing regions. It identifies potential agricultural droughts. It is not intended to assess long-term droughts.



RESERVOIR STORAGE

Oklahoma Surface Water Resources Reservoir Levels and Storage as of 5/9/2017



The Oklahoma Water Resources Bulletin is compiled and distributed monthly by the Oklahoma Water Resources Board utilizing products and information developed by the Oklahoma Climatological Survey, Oklahoma Mesonet, National Oceanic and Atmospheric Administration, National Drought Mitigation Center, US Geological Survey, US Army Corps of Engineers, and US Department of Agriculture. For questions or comments contact Darla Whitley, Editor.