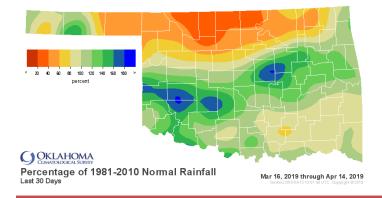
Oklahoma Water Resources Bulletin & Summary of Current Conditions

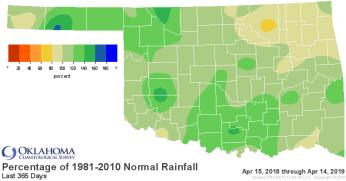


April 15, 2019

PRECIPITATION

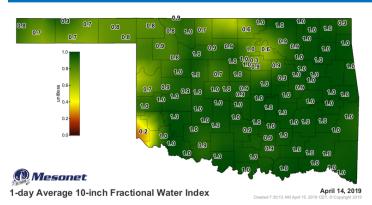
			Stat	tewide Precip	oitation					
	Last 30 Days March 16, 2019 – April 14, 2019					Last 365 Days April 15, 2018 – April 14, 2019				
Climate Division	Total Rainfall (inches)	Departure From Normal (inches)	Percent of Normal	Rank Since 1921	Total Rainfall (inches)	Departure From Normal (inches)	Percent of Normal	RANK SINCE 1921		
PANHANDLE	1.20"	-0.37"	76%	43rd wettest	25.13"	+4.55"	122%	10th wettest		
NORTH CENTRAL	1.11"	-1.54"	42%	26th driest	36.11"	+4.69"	115%	18th wettest		
NORTHEAST	2.98"	-0.59"	83%	48th driest	39.62"	-3.05"	93%	46th wettest		
WEST CENTRAL	2.86"	+0.62"	128%	28th wettest	35.30"	+6.90"	124%	10th wettest		
CENTRAL	3.50"	+0.39"	113%	32nd wettest	43.59"	+5.96"	116%	12th wettest		
EAST CENTRAL	4.55"	+0.78"	121%	31st wettest	48.87"	+2.73"	106%	28th wettest		
SOUTHWEST	3.21"	+0.95"	142%	24th wettest	34.76"	+4.49"	115%	17th wettest		
SOUTH CENTRAL	3.20"	-0.07"	98%	43rd wettest	52.35"	+11.64"	129%	3rd wettest		
SOUTHEAST	4.02"	-0.19"	95%	50th wettest	55.94"	+5.35"	111%	20th wettest		
STATEWIDE	2.93"	-0.03"	99%	44th wettest	41.26"	+4.79"	113%	14th wettest		

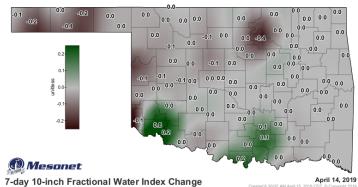




SOIL MOISTURE

Fractional Water Index April 14, 2019





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	Palmer Drought Severity Index (PDSI)					Standardized Precipitation Index (SPI) Through March 2019				
Climate Division	Status 4/6/19	Valı 3/16		Change in Value	3-month	12-month	24-month			
NORTHWEST	Very Moist Spell	3.15	2.99	0.16(-)	Abnormally Moist	Extremely Moist	Moderately Moist			
NORTH CENTRAL	Very Moist Spell	3.75	3.38	0.37(-)	Near Normal	Moderately Moist	Abnormally Moist			
NORTHEAST	Near Normal	2.03	1.72	0.31(-)	Abnormally Moist	Near Normal	Abnormally Moist			
WEST CENTRAL	Very Moist Spell	3.4	3.77	0.37(+)	Near Normal	Moderately Moist	Abnormally Moist			
CENTRAL	Very Moist Spell	3.4	3.29	0.11(-)	Near Normal	Moderately Moist	Moderately Moist			
EAST CENTRAL	Unusual Moist Spell	2.86	2.57	0.29(-)	Abnormally Moist	Abnormally Moist	Very Moist			
SOUTHWEST	Very Moist Spell	3.64	3.41	0.23(-)	Near Normal	Moderately Moist	Moderately Moist			
SOUTH CENTRAL	Very Moist Spell	4.66	3.47	1.19(-)	Near Normal	Very Moist	Very Moist			
SOUTHEAST	Very Moist Spell	3.73	3.1	0.63(-)	Near Normal	Moderately Moist	Moderately Moist			
extreme drought severe drought -4.0 or less -3.0 to -3.9	drought normal moist	t spell mois	ery st spell to +3.9	extremely moist +4.0 and above	exceptionally extremely dry dry dry dry dry -2.00 and -1.99 to -1.59 to -0.80	abnormally near abnormally moder moist moist above a construction of the construction	st moist moist moist			

The PDSI is based upon precipitation, temperature, and soil moisture, and is considered most effective for unirrigated cropland, spanning from -10 (dry) to +10 (wet). According to the latest PDSI, as of April 6, all climate regions in the state were experiencing near normal conditions or wetter.

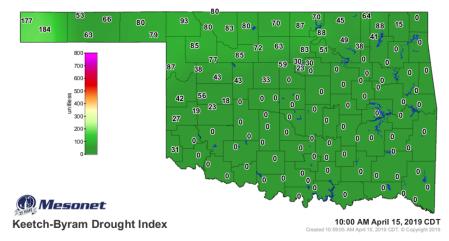
The SPI provides a comparison of precipitation over several specified periods with totals from the same periods for all years included in the historical record. For all three time periods shown, all climate regions were near normal or wetter.

Keetch-Byram Drought Fire Index

April 15, 2019, 10:00 a.m., zero stations are above 600.

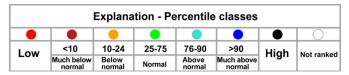
Zero stations were above 600 on March 21, 2019.

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

April 15, 2019

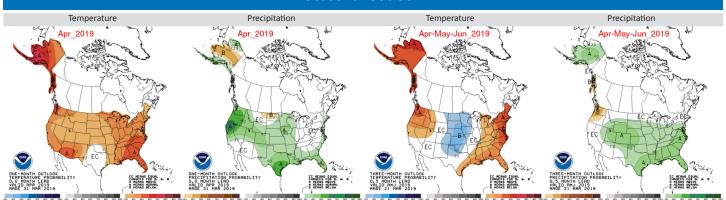


Visit waterwatch.usgs.gov for real-time streamflow information.



WEATHER/DROUGHT FORECAST

Seasonal Outlook

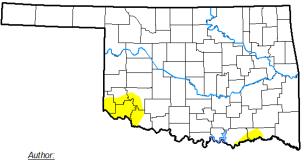


The contours on the maps show the total probability of three categories—above, indicated by the letter "A"; and below, indicated by the letter "B". "EC" indicates "Equal Chances" for A or B.

Drought Summary & Outlook

U.S. Drought Monitor

Oklahoma



Deborah Bathke National Drought Mitigation Center









http://droughtmonitor.unl.edu/

April 9, 2019

(Released Thursday, Apr. 11, 2019) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	95.94	4.06	0.00	0.00	0.00	0.00
Last Week 04-02-2019	96.71	3.29	0.00	0.00	0.00	0.00
3 Month's Ago 01-08-2019	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 01-01-2019	94.85	5.15	0.00	0.00	0.00	0.00
Start of Water Year 09-25-2018	72.93	27.07	9.11	4.16	0.00	0.00
One Year Ago 04-10-2018	41.72	58.28	47.44	42.07	34.85	18.35

Intensity:

D0 Abnormally Dry D1 Moderate Drought D2 Severe Drought

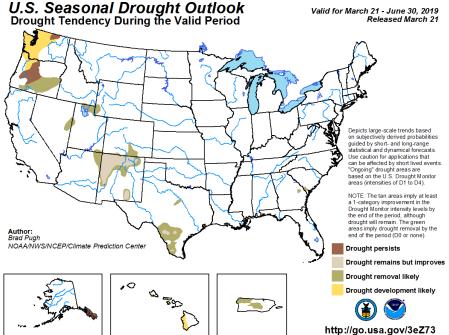
D3 Extreme Drought D4 Exceptional Drought

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

Valid for March 21 - June 30, 2019 Released March 21

According to the latest U.S. Drought Monitor, as of April 9, the estimated Oklahoma population in drought areas is still at zero. Only 4.06% of the state (in area) has been classified as abnormally dry.

According to the latest seasonal drought outlook for the period of March 21, 2019, through June 30, 2019, Oklahoma is predicted to be unaffected by drought.



RESERVOIR STORAGE

Oklahoma Surface Water Resources

Reservoir Levels and Storage as of 4/8/2019

