Oklahoma Monthly Climate Summary

SEPTEMBER 2022

OKLAHOMA CLIMATOLOGICAL SURVEY

Drought surged across Oklahoma as the driest September since 1956 took its toll on the state's landscape. The amount of drought in the state remained largely unchanged through September at approximately 99%, but the intensity of that drought increased dramatically according to the U.S. Drought Monitor. Extreme and exceptional drought, the Drought Monitor's two worst categories, jumped from 47% on Aug. 30 to 64% at the end of September, the highest such levels seen in the state since Feb. 19, 2013. Exceptional drought alone rose to 17%, its highest level since May 8, 2018. Soil moisture plummeted and fire danger increased in the hot, dusty conditions. The USDA estimated that 91% of the state's topsoil moisture was considered "short to very short" by the end of the month. The Oklahoma Mesonet measured critically dry soils down to at least 32 inches, which helped boost large wildfire potential into the extreme category. Farm ponds were reported low to completely dry across many parts of the state, and the bulk of Oklahoma's larger reservoirs sat 5-10 feet below normal through the third week of September.

September 2022 Statewide Extremes

Description	Extreme	Station	Day
High Temperature	102°F	Several	Several
Low Temperature	36°F	Wister	30
High Precipitation	2.36 in.	Fittstown	--
Low Precipitation	0.03 in.	Eva, Grandfield, Hollis	--

The statewide average rainfall total was 0.71 inches according to the Oklahoma Mesonet, 2.61 inches below normal and ranked as the fifth driest September since records began in 1895. None of the 120 Mesonet sites came even close to a surplus for the month. Fittstown led the way with 2.36 inches. Three western Oklahoma sites—Eva, Grandfield, and Hollis—shared the bottom spot with three-hundredths. Eighty-seven sites recorded less than an inch for the month, and 54 of those sites actually had less than a half-inch. Much of the state had gone at least a month without a quarter-inch of rainfall in a single day, with some locations across northern Oklahoma missing out for more than 60 days. The first nine months of the year remained squarely on the dry side with a statewide average of 22.01 inches, 6.56 inches below normal and ranked as the 21st driest January through September on record. The Oklahoma Panhandle was particularly dry at 11.63 for their ninth driest such period on record.

September 2022 Statewide Statistics

Temperature

Period	Average	Departure	Rank (1895-2022)
Month (September)	75.7°F	2.8°F	24th Warmest
Year-to-Date (Jan-Sept)	64.8°F	1°F	22nd Warmest

Precipitation

Period	Total	Departure	Rank (1895-2022)
Month (September)	0.71 in.	-2.61 in.	5th Driest
Year-to-Date (Jan-Sept)	22.01 in.	6.56 in.	21st Driest

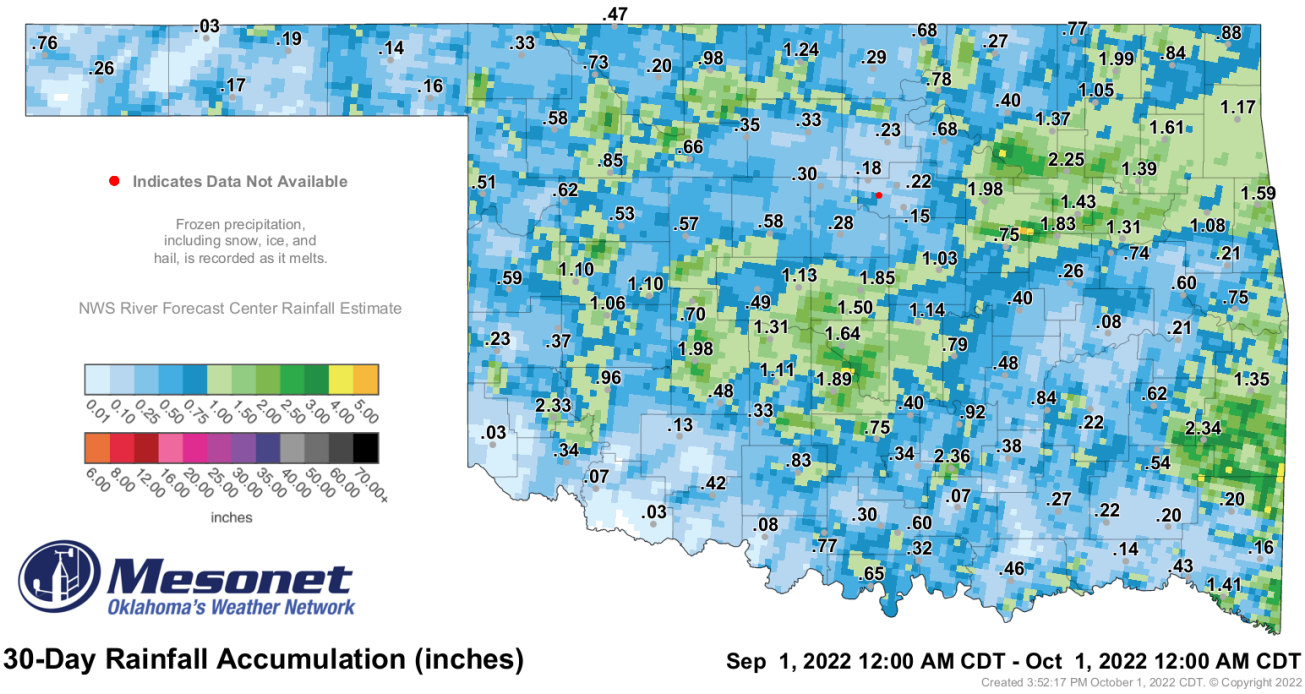
Departure from 30-year normal

The statewide average temperature of 75.7 degrees ranked as the 24th warmest September since records began in 1895, 2.8 degrees above normal. Temperatures were solidly above normal for most of

the month, at times 10 to 15 degrees higher than the seasonal averages. The 120 Mesonet sites recorded triple-digit temperatures 342 times on 10 separate days, with 102 degrees being the top mark at many locations across several days. The month's—and possibly the seasons'—final 100s occurred on the 25th at the Burneyville, Hugo, and Valliant Mesonet sites. September's coldest reading of 36 degrees occurred on the 30th at Wister. That reading and the 39 degrees at Talihina the same day were the first 30s recorded in the state since May 22. The year continued very warm with a January through September statewide average of 64.8 degrees, a degree above normal and ranked as the 22nd warmest such period on record.

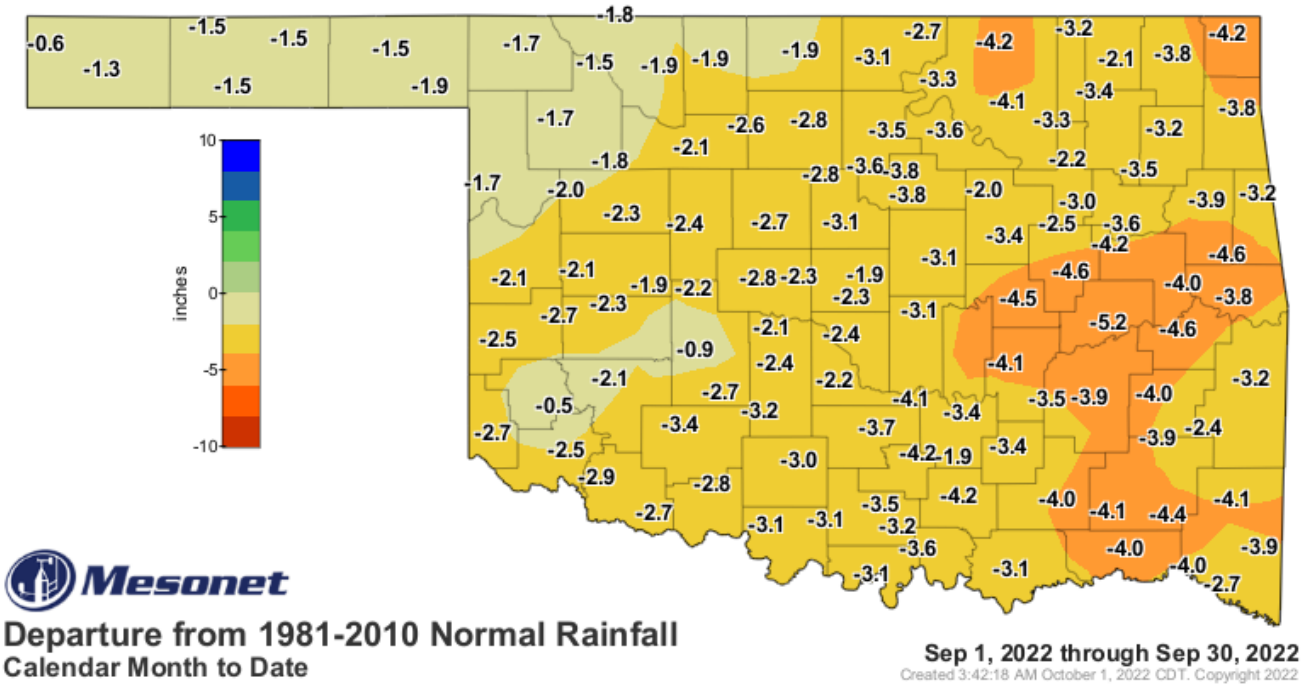
The Climate Prediction Center's outlooks for October portray possible warm and dry conditions continuing, with increased odds of above normal temperatures for the entire state and below normal precipitation for all but the western Panhandle. The western Panhandle has equal chances for above-, below-, and near-normal precipitation for October. CPC's October drought outlook indicates drought persisting across the entire state through the end of the month, and expanding to cover most of the Southern Plains through that same period.

SEPTEMBER 2022 OBSERVED PRECIPITATION



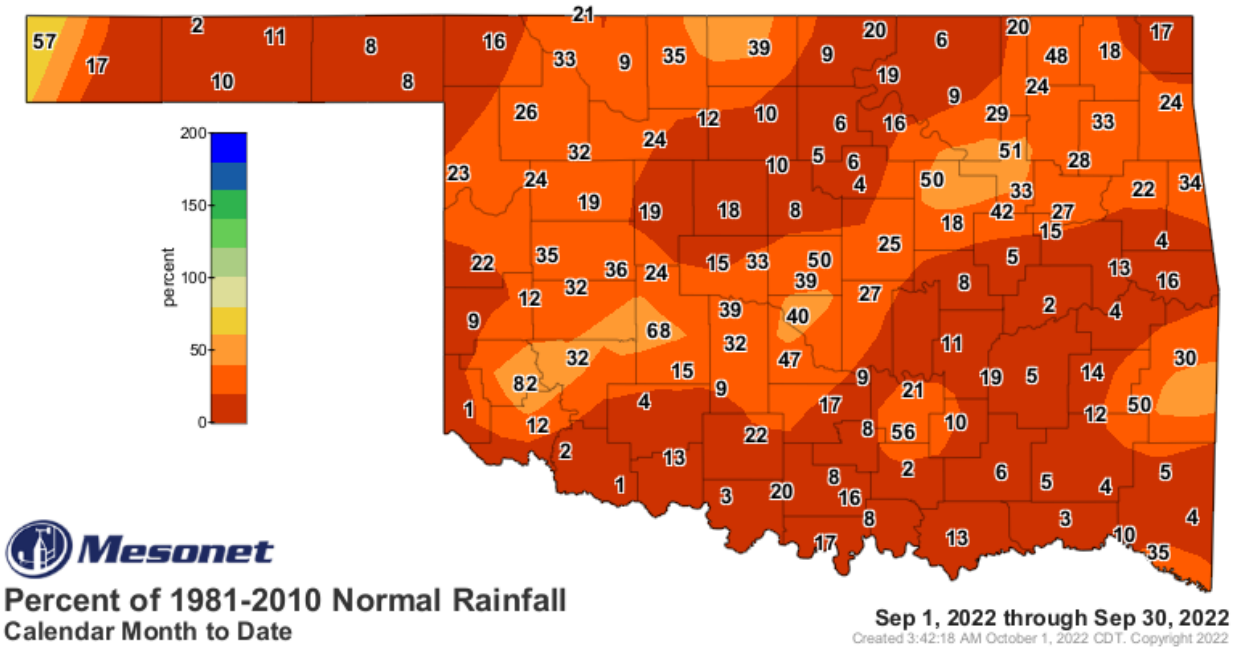
The accumulated rainfall for September varied from a low of 0.03 inches in the panhandle to a high of 2.34 inches in eastern Oklahoma. The highest rainfall area was at Talihina while Eva received only 0.03 inches.

SEPTEMBER 2022 DEPARTURE FROM NORMAL PRECIPITATION



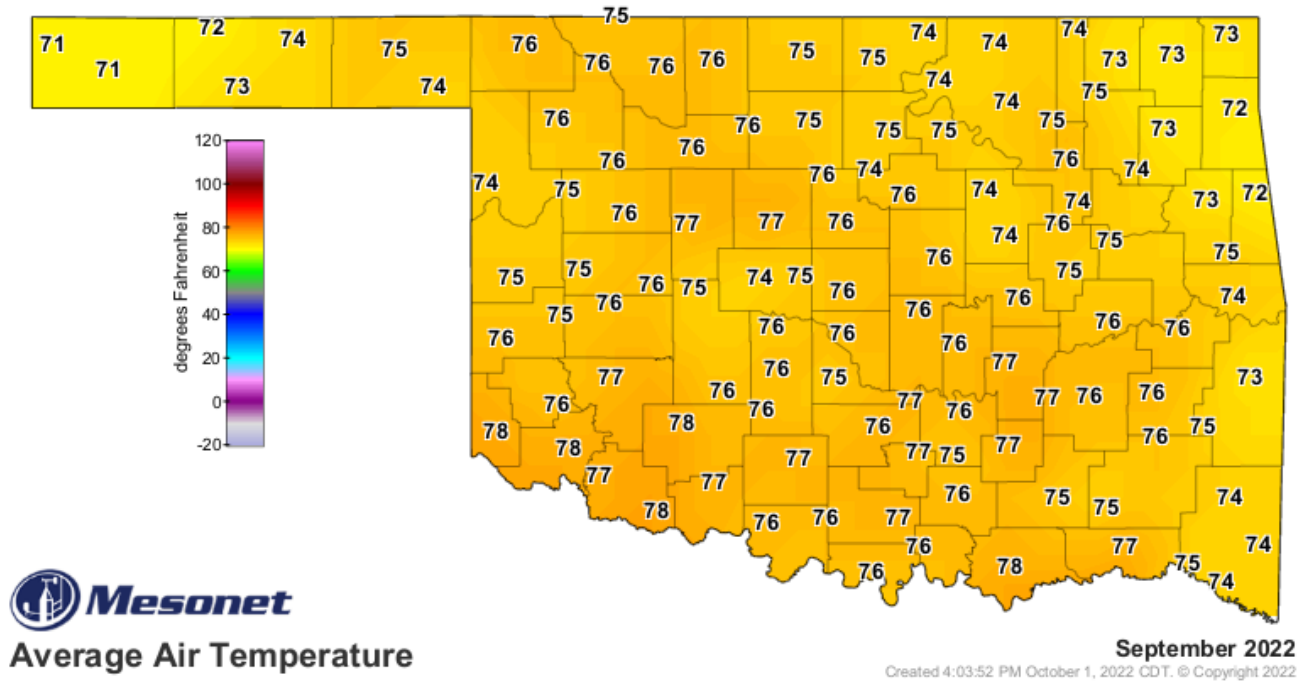
Comparing the rainfall accumulation to the 1981-2010 normal rainfall saw all sites below normal ranging from -4.6 to -0.6 inches. Eastern Oklahoma had the largest deficits while most of the panhandle was less than 2 inches behind normal.

SEPTEMBER 2022 PERCENT OF NORMAL PRECIPITATION



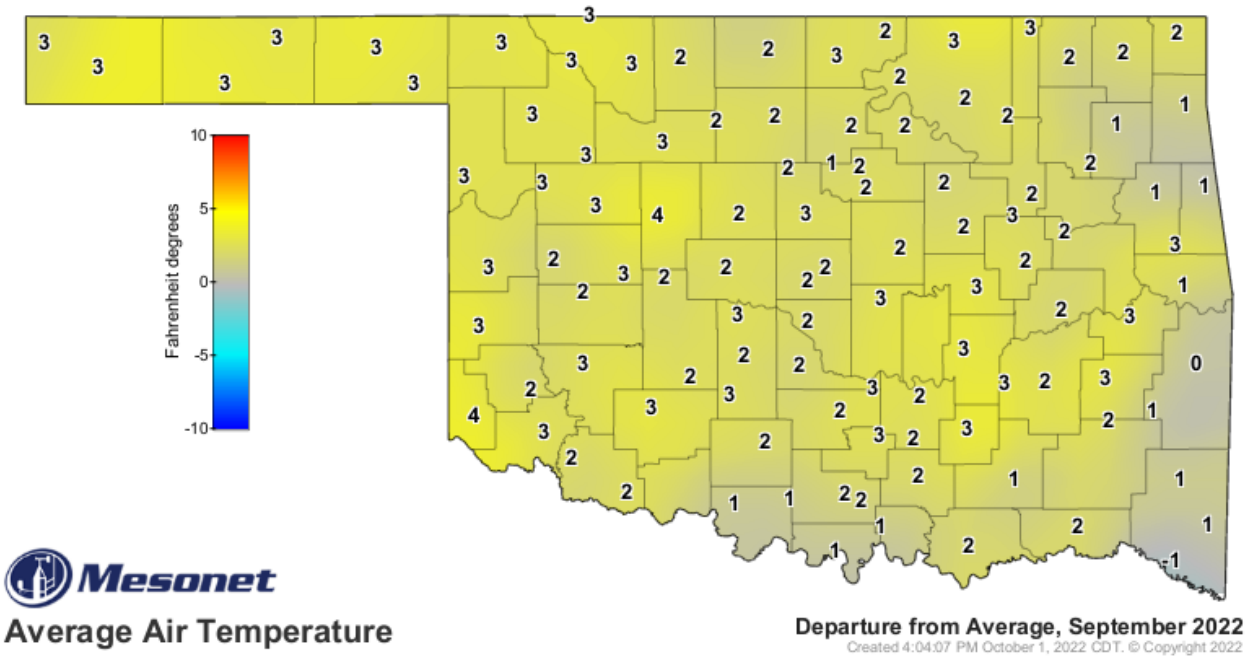
The several sites around the state received only 1%-2% of the expected monthly rainfall. Eight sites received 50% or more. Mangum topped out receiving 82% of normal precipitation for September.

SEPTEMBER 2022 AVERAGE TEMPERATURE IN DEGREES FAHRENHEIT



Average temperatures ranged from the low to mid 70s statewide.

SEPTEMBER 2022 DEPARTURE FROM NORMAL TEMPERATURE



The temperature departures from normal ranged from 1°F to 3°F. The least change from normal occurred in the southeastern counties.

MESONET MONTHLY SUMMARY FOR SEPTEMBER 2022

PANHANDLE

NAME	MEAN TEMP	HIGH TEMP	DAY	LOW TEMP	DAY	HDD	CDD	TOT PPT	HIGH 24-HR	DAY
Arnett	75.1	97	17	50	26	7	309	.51	.45	10
Beaver	75.7	102	17	47	11	15	334	.14	.05	14
Boise City	71.1	96	7	47	26	19	203	.26	.10	3
Buffalo	76.5	102	21	49	11	9	353	.33	.16	15
Eva	71.8	100	18	43	12	26	229	.03	.02	10
Goodwell	74.0	99	7	48	26	18	289	.17	.10	14
Hooker	74.2	100	7	47	26	20	295	.19	.09	10
Kenton	70.9	97	8	46	27	17	194	.76	.34	1
Slapout	74.9	101	17	49	11	13	311	.16	.10	15

NORTH CENTRAL

NAME	MEAN TEMP	HIGH TEMP	DAY	LOW TEMP	DAY	HDD	CDD	TOT PPT	HIGH 24-HR	DAY
Alva	76.2	102	21	47	12	5	339	.20	.14	10
Blackwell	75.4	101	21	46	12	3	315	.29	.19	22
Breckinridge	75.9	101	21	47	12	3	331	.33	.26	10
Cherokee	76.3	102	21	49	26	3	342	.98	.92	10
Fairview	76.8	100	21	50	12	1	355	.66	.56	10
Freedom	76.1	101	21	46	26	9	342	.73	.50	1
Lahoma	76.2	100	21	50	23	4	341	.35	.30	10
May Ranch	75.7	100	21	49	11	9	330	.47	.24	16
Medford	75.5	100	21	46	26	3	318	1.24	.94	3
Newkirk	74.9	100	21	49	26	4	301	.68	.44	3
Red Rock	75.9	102	21	47	12	2	330	.23	.21	10
Seiling	75.8	100	21	44	26	3	327	.85	.54	1
Woodward	75.9	99	21	50	26	7	334	.58	.26	15

NORTHEAST

NAME	MEAN TEMP	HIGH TEMP	DAY	LOW TEMP	DAY	HDD	CDD	TOT PPT	HIGH 24-HR	DAY
Bixby	74.5	100	21	47	27	1	285	1.43	.86	2
Burbank	74.7	101	21	46	12	3	294	.78	.34	1
Copan	74.9	102	21	46	30	2	300	.77	.37	2
Foraker	75.2	102	21	50	30	4	308	.27	.13	3
Inola	74.6	102	21	42	30	3	291	1.39	1.13	2
Jay	72.8	96	21	42	30	8	242	1.17	1.07	2
Miami	73.6	99	21	41	30	8	265	.88	.82	2
Nowata	73.4	101	21	41	30	6	258	1.99	1.39	2
Pawnee	75.5	100	21	48	12	1	317	.68	.32	2
Porter	75.2	100	21	46	30	1	306	1.31	.73	1
Pryor	72.9	99	21	40	30	6	243	1.61	1.52	2
Skiatook	76.1	100	21	54	30	0	334	1.37	.83	1
Talala	75.5	102	21	47	30	1	315	1.05	.82	2
Tulsa	76.5	99	21	51	27	0	345	2.25	1.76	2
Vinita	73.3	101	21	42	30	5	255	.84	.78	2
Wynona	75.1	100	21	48	12	0	304	.40	.32	1

WEST CENTRAL

NAME	MEAN TEMP	HIGH TEMP	DAY	LOW TEMP	DAY	HDD	CDD	TOT PPT	HIGH 24-HR	DAY
Bessie	76.5	98	21	52	23	0	344	1.06	.66	1
Butler	75.5	98	21	46	26	0	316	1.10	.61	1
Camargo	75.0	100	21	45	26	3	303	.62	.35	1
Cheyenne	75.7	96	21	51	23	2	322	.59	.45	11
Elk City	76.0	98	21	52	23	0	330	.37	.23	11
Erick	76.0	99	21	47	26	0	331	.23	.19	1
Putnam	76.3	98	21	51	23	2	341	.53	.47	10
Watonga	77.1	98	21	51	23	2	365	.57	.35	10
Weatherford	76.4	98	21	52	26	0	342	1.10	.59	2

CENTRAL

NAME	MEAN TEMP	HIGH TEMP	DAY	LOW TEMP	DAY	HDD	CDD	TOT PPT	HIGH 24-HR	DAY
Acme	76.5	98	21	46	12	0	344	.33	.29	1
Bristow	73.7	100	21	43	12	3	263	.75	.69	
Lake Carl Blac	74.0	99	21	44	12	2	272	.18	.10	10
Chandler	75.7	99	21	49	12	0	320	1.03	.64	1
Chickasha	75.9	98	21	48	26	0	328	1.11	1.09	1
El Reno	74.5	101	21	42	12	3	289	.49	.19	1
Guthrie	77.0	99	21	49	26	***	***	.28	.18	10
Kingfisher	76.9	101	21	46	26	0	357	.58	.25	10
Marena	76.0	99	21	51	26	0	331	***	***	***
Minco	76.0	97	21	53	23	0	329	1.31	.80	1
Marshall	76.2	101	21	47	26	0	336	.30	.19	10
Norman	76.5	98	21	50	12	0	344	1.64	1.41	1
Oilton	74.2	101	21	45	26	3	277	1.98	1.30	1
OKC East	76.1	97	21	50	26	0	332	1.50	1.14	1
Okemah	76.4	100	21	46	12	0	342	.40	.40	1
Perkins	76.6	101	21	49	12	0	348	.15	.07	1
Seminole	76.5	100	21	48	12	0	344	.79	.78	1
Shawnee	76.9	99	19	50	12	0	358	1.14	.87	1
Spencer	76.0	97	21	52	12	0	330	1.85	1.02	1
Stillwater	75.8	101	21	47	12	0	325	.22	.14	11
Washington	75.2	97	24	50	12	0	307	1.89	1.79	1
Yukon	75.0	96	21	51	26	0	299	1.13	.50	1

EAST CENTRAL

NAME	MEAN TEMP	HIGH TEMP	DAY	LOW TEMP	DAY	HDD	CDD	TOT PPT	HIGH 24-HR	DAY
Cookson	75.4	100	21	46	26	0	311	.21	.20	1
Eufaula	76.3	98	21	48	30	1	341	.08	.06	1
Haskell	75.1	101	20	46	12	1	303	.74	.59	1
Hectorville	76.7	102	21	51	12	0	352	1.83	1.17	2
Holdenville	77.5	99	21	51	30	0	376	.48	.38	1
McAlester	76.4	100	21	45	30	1	342	.22	.16	1
Okmulgee	74.8	100	21	43	30	2	295	.26	.40	1
Sallisaw	75.1	99	21	42	30	3	306	.75	.73	1
Stigler	75.8	101	20	42	30	4	328	.21	.19	1
Stuart	77.5	100	24	48	30	0	375	.84	.58	2
Tahlequah	73.5	98	21	41	30	6	261	1.08	1.03	2
Webbers Falls	***	***	***	***	***	***	***	.60	.34	1
Westville	72.8	96	21	43	30	8	240	1.59	1.43	2

SOUTHWEST

NAME	MEAN TEMP	HIGH TEMP	DAY	LOW TEMP	DAY	HDD	CDD	TOT PPT	HIGH 24-HR	DAY
Altus	78.3	98	21	52	26	0	399	.34	.32	1
Apache	75.9	96	21	51	30	0	327	.48	.40	1
Fort Cobb	***	***	***	***	***	***	***	1.98	1.89	1
Grandfield	78.7	100	21	53	26	0	412	.03	.03	1
Hinton	75.5	99	21	50	26	0	316	.70	.42	1
Hobart	77.5	99	21	49	26	0	376	.96	.80	1
Hollis	78.5	99	17	52	26	0	404	.03	.03	1
Mangum	76.0	98	21	46	26	0	330	2.33	2.30	1
Medicine Park	78.0	98	21	56	30	0	389	.13	.10	1
Tipton	77.5	98	21	50	26	0	376	.07	.04	1
Walters	76.9	97	21	53	27	0	358	.42	.33	2

SOUTH CENTRAL

NAME	MEAN TEMP	HIGH TEMP	DAY	LOW TEMP	DAY	HDD	CDD	TOT PPT	HIGH 24-HR	DAY
Ada	76.4	100	21	48	12	0	341	.92	.52	1
Ardmore	76.9	98	21	51	30	0	356	.60	.59	4
Burneyville	76.0	100	21	45	27	0	329	.65	.64	4
Byars	77.2	98	20	54	12	0	366	.40	.20	1
Centrahoma	77.2	101	21	46	12	0	365	.38	.31	1
Durant	77.9	99	21	51	30	0	387	.46	.40	4
Fittstown	75.6	98	21	48	12	0	317	2.36	1.17	1
Ketchum Ranch	77.0	98	21	53	27	0	361	.83	.83	1
Lane	76.2	99	21	46	30	0	335	.27	.15	1
Madill	76.6	97	21	48	27	0	349	.32	.29	4
Newport	77.3	97	21	52	30	0	368	.30	.27	4
Pauls Valley	76.9	99	21	50	12	0	357	.75	.50	4
Ringling	76.6	96	21	53	27	0	349	.77	.70	1
Sulphur	77.1	100	21	49	26	0	362	.34	.30	4
Tishomingo	76.5	99	21	48	30	0	345	.07	.05	4
Waurika	76.8	97	21	51	27	0	354	.08	.06	1

SOUTHEAST

NAME	MEAN TEMP	HIGH TEMP	DAY	LOW TEMP	DAY	HDD	CDD	TOT PPT	HIGH 24-HR	DAY
Antlers	75.5	100	22	41	30	2	318	.22	.19	1
Broken Bow	75.2	101	22	42	30	3	308	.16	.13	1
Clayton	76.3	100	20	42	30	2	340	.54	.53	1
Cloudy	***	***	***	***	***	***	***	.20	.19	1
Hugo	77.2	100	22	47	30	0	366	.14	.14	1
Idabel	75.0	98	22	41	30	4	303	1.41	1.39	1
Mt Herman	74.9	97	22	43	30	3	299	.20	.15	1
Talihina	75.2	99	21	39	30	3	309	2.34	2.30	1
Valliant	75.7	101	22	40	30	3	325	.43	.22	4
Wilburton	77.2	102	21	46	30	1	366	.62	.33	2
Wister	73.9	101	21	36	30	10	278	1.35	1.21	1

2022 STATEWIDE PRECIPITATION MONTHLY TOTALS VS. NORMAL IN INCHES

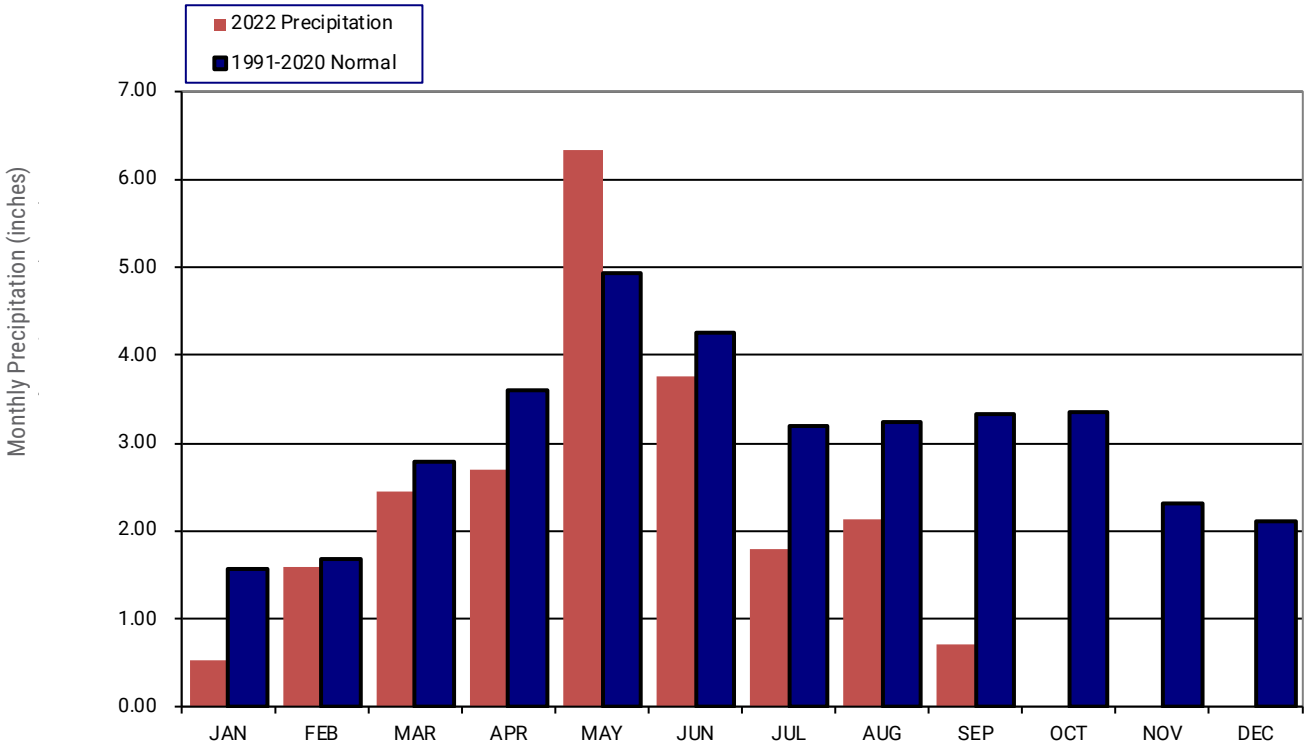


TABLE OF 2022 STATEWIDE PRECIPITATION MONTHLY TOTALS AND NORMALS IN INCHES

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002	2.22	1.08	2.54	4.27	3.64	3.80	3.47	2.93	2.32	5.15	0.66	2.99
2003	0.07	1.79	2.04	1.89	3.60	5.27	0.76	4.47	2.75	1.53	1.85	1.12
2004	2.12	1.85	3.66	3.75	1.10	6.61	4.10	2.74	1.23	5.24	5.16	0.74
2005	3.46	1.65	1.15	1.26	2.74	4.10	2.85	5.02	2.29	1.95	0.18	0.24
2006	0.91	0.31	2.88	3.27	3.03	2.36	1.76	3.17	2.29	2.75	2.28	3.67
2007	2.05	0.91	4.03	2.72	6.65	9.10	4.04	3.07	2.93	2.95	0.47	2.13
2008	0.52	2.25	4.81	4.10	4.54	5.63	2.46	4.38	3.58	2.96	1.00	0.89
2009	0.70	1.17	2.36	4.91	4.99	2.55	3.98	3.85	4.41	6.89	0.63	1.51
2010	1.41	2.61	1.97	2.80	4.35	3.90	4.52	1.96	3.99	1.74	1.91	0.91
2011	0.24	1.36	0.70	3.44	4.37	1.18	0.70	2.25	1.66	2.89	4.22	2.39
2012	1.74	1.78	4.52	3.81	1.82	2.54	1.11	2.29	2.92	1.28	0.57	1.06
2013	1.60	3.04	1.54	4.03	4.92	3.69	5.11	3.04	2.60	3.13	1.64	1.53
2014	0.29	0.51	1.78	1.64	3.06	5.82	4.68	1.39	2.55	3.40	2.10	1.39
2015	1.53	0.70	2.63	4.82	14.40	5.04	5.89	2.30	2.10	3.43	5.91	4.80
2016	0.71	1.13	2.39	6.11	4.13	3.27	3.85	3.08	3.14	1.85	1.25	0.82
2017	2.52	2.04	2.54	6.82	4.66	2.98	3.41	6.42	2.60	3.43	0.25	1.03
2018	0.48	4.33	1.86	2.14	3.99	4.07	2.94	3.99	5.21	6.78	0.94	3.54
2019	2.17	1.58	2.58	4.75	10.48	5.00	1.63	5.44	3.43	4.80	2.55	1.11
2020	3.48	1.81	4.93	2.69	5.04	1.97	4.84	2.94	3.81	3.34	1.12	2.84
2021	1.75	0.78	3.07	3.61	5.82	4.97	3.33	2.44	1.41	3.76	0.82	0.95
2022	0.52	1.60	2.45	2.70	6.33	3.76	1.79	2.13	0.71	--	--	--
1991-2010	1.57	1.69	2.78	3.59	4.93	4.26	3.20	3.23	3.32	3.36	2.32	2.11

September 2022 Mesonet Precipitation Comparison

Climate Division	Precipitation (inches)	Departure from Normal (inches)	Rank since 1895	Wettest on Record (Year)	Driest on Record (Year)	Sep-21 (inches)
Panhandle	0.28	-1.28	8th Driest	5.03 (1925)	0.04 (1956)	0.94
North Central	0.58	-1.90	9th Driest	7.43 (1923)	0.07 (2000)	1.52
Northeast	1.14	-2.82	12th Driest	12.12 (1986)	0.29 (1948)	1.51
West Central	0.69	-1.90	14th Driest	8.68 (1923)	0.06 (1956)	0.72
Central	0.91	-2.71	9th Driest	9.81 (1945)	0.21 (1956)	0.69
East Central	0.72	-3.77	5th Driest	10.16 (1993)	0.24 (1948)	1.74
Southwest	0.68	-2.20	13th Driest	8.48 (1936)	0.04 (1939)	0.95
South Central	0.59	-3.33	9th Driest	10.58 (2018)	0.13 (1956)	0.56
Southeast	0.69	-3.56	6th Driest	11.97 (1974)	0.36 (2017)	1.28
Statewide	**0.71**	**-2.61**	**5th Driest**	**7.77 (1945)**	**0.25 (1956)**	**1.09**

2022 STATEWIDE TEMPERATURE MONTHLY TOTALS VS. NORMAL IN DEGREES FAHRENHEIT

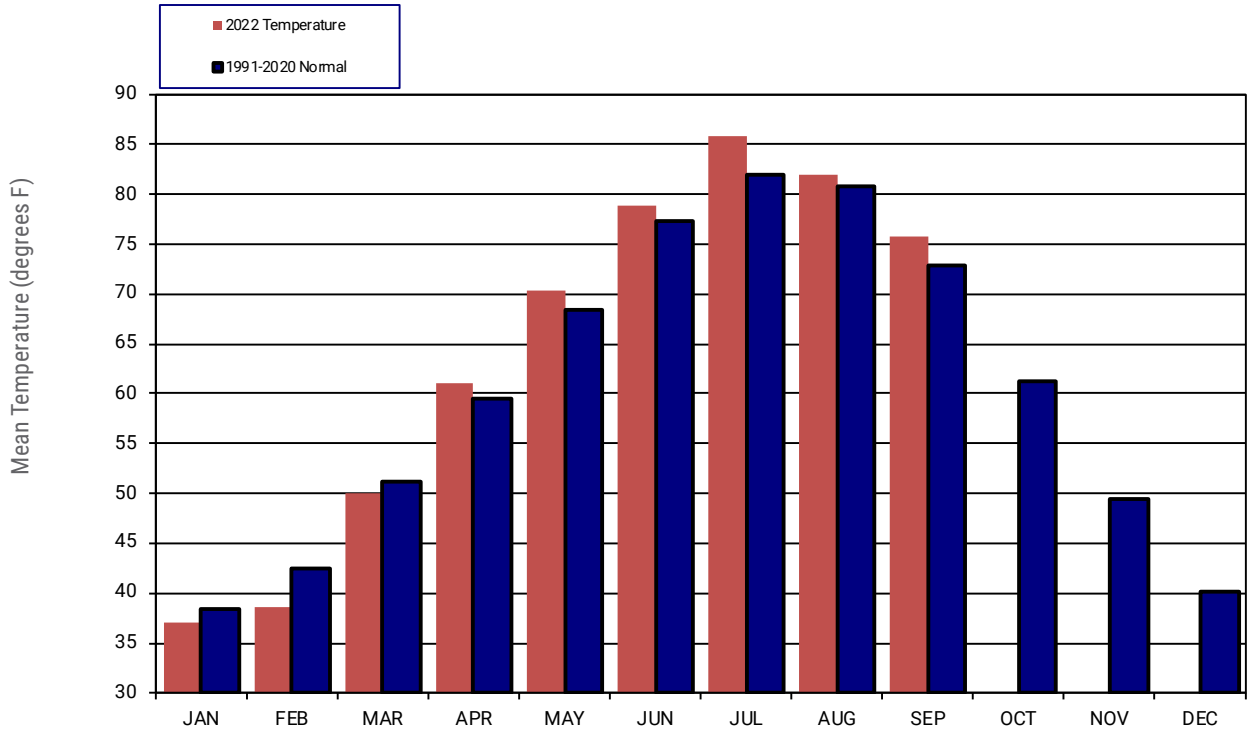


TABLE OF 2022 STATEWIDE TEMPERATURE MONTHLY TOTALS AND NORMALS IN DEGREES FAHRENHEIT

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2003	36.8	37.8	49.2	60.7	68.5	73.4	83.3	82.6	69.1	62.9	50.4	42.2
2004	39.1	39.3	55.4	59.6	70.8	74.7	77.9	75.8	73.6	63.3	49.8	41.8
2005	39.2	45.2	49.7	59.1	67.7	77.4	79.9	80.3	76.2	61.9	52.4	38.1
2006	46.6	40.7	53.0	65.6	70.4	77.8	83.9	83.8	69.4	60.7	50.5	41.9
2007	34.9	39.8	57.9	55.2	68.9	75.0	78.7	82.4	74.2	63.8	50.5	37.8
2008	38.0	41.1	50.4	57.6	68.5	77.8	81.4	78.9	69.9	60.1	49.5	38.5
2009	37.1	46.5	52.0	58.4	65.7	78.6	80.1	78.3	69.9	54.5	53.1	34.1
2010	34.7	35.3	48.7	61.3	68.3	81.0	81.9	83.9	75.0	62.3	50.3	39.2
2011	34.8	39.4	52.3	62.3	67.8	83.6	89.3	87.9	71.2	61.8	49.7	40.0
2012	42.6	43.1	59.3	63.7	72.2	79.2	85.9	81.4	74.1	59.5	52.4	41.9
2013	40.0	40.7	47.7	55.0	66.8	77.0	79.6	80.1	75.4	60.4	46.5	35.2
2014	35.9	36.0	46.4	58.8	69.1	77.1	77.3	80.6	73.1	64.1	44.5	41.2
2015	37.9	37.1	51.5	60.9	65.6	78.2	81.4	78.8	76.3	62.9	50.9	44.7
2016	38.1	47.2	54.2	61.3	65.9	78.8	82.8	80.3	74.7	66.8	54.6	38.4
2017	40.6	49.1	55.3	60.4	66.6	76.7	81.5	76.5	72.9	61.6	52.5	39.8
2018	37.1	40.8	52.6	54.1	74.5	80.1	82.1	79.5	73.4	59.9	44.5	40.3
2019	38.0	39.7	47.0	60.4	66.7	75.1	80.2	81.8	79.4	56.7	46.4	43.0
2020	41.9	41.6	54.9	57.5	66.8	78.5	80.2	79.0	69.9	57.8	53.0	40.8
2021	39.5	31.0	53.6	57.2	65.5	77.1	79.5	80.8	76.3	64.0	51.0	50.4
2022	37.0	38.6	50.0	61.0	70.3	78.8	85.9	81.9	75.7	--	--	--
1991-2010	38.3	42.4	51.2	59.5	68.4	77.3	81.9	80.8	72.9	61.3	49.4	40.1

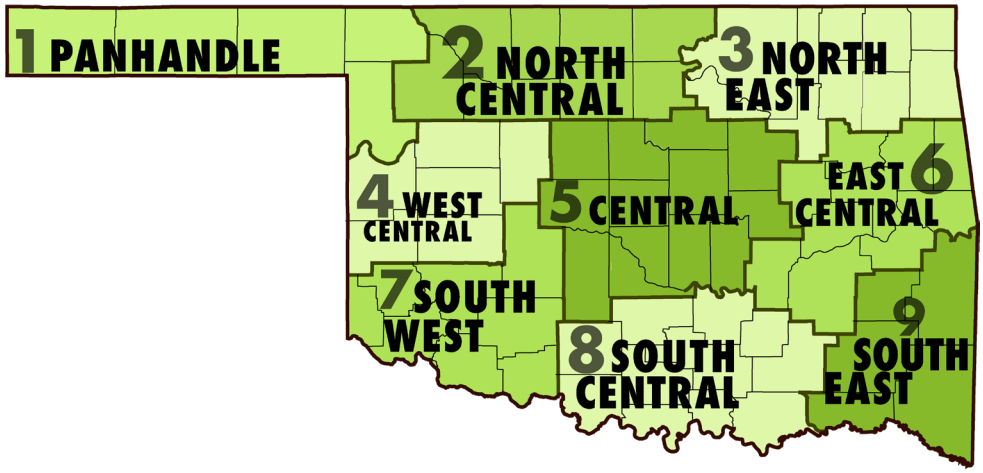
September 2022 Mesonet Temperature Comparison

Climate Division	Average Temp (F)	Departure from Normal (F)	Rank since 1895	Hottest on Record (Year)	Coldest on Record (Year)	Sep-21 (F)
Panhandle	73.8	3.8	13th Warmest	76.9 (1931)	62.3 (1974)	74.4
North Central	75.9	3.5	17th Warmest	80.6 (1931)	63.6 (1974)	77.4
Northeast	74.6	2.6	30th Warmest	79.8 (1939)	63.9 (1974)	76.6
West Central	76.1	3.5	15th Warmest	80.2 (1931)	64.5 (1974)	76.9
Central	75.7	2.4	32nd Warmest	81.7 (1931)	64.9 (1974)	77.5
East Central	75.6	2.4	35th Warmest	81.8 (1939)	65.1 (1974)	76.7
Southwest	77.3	2.8	18th Warmest	81.6 (1931)	66.2 (1974)	77.8
South Central	76.8	2.2	34th Warmest	81.8 (1939)	66.6 (1974)	77.2
Southeast	75.6	2.0	32nd Warmest	81.0 (1939)	65.8 (1974)	75.9
Statewide	75.7	2.8	24th Warmest	80.1 (1931)	64.7 (1974)	76.7

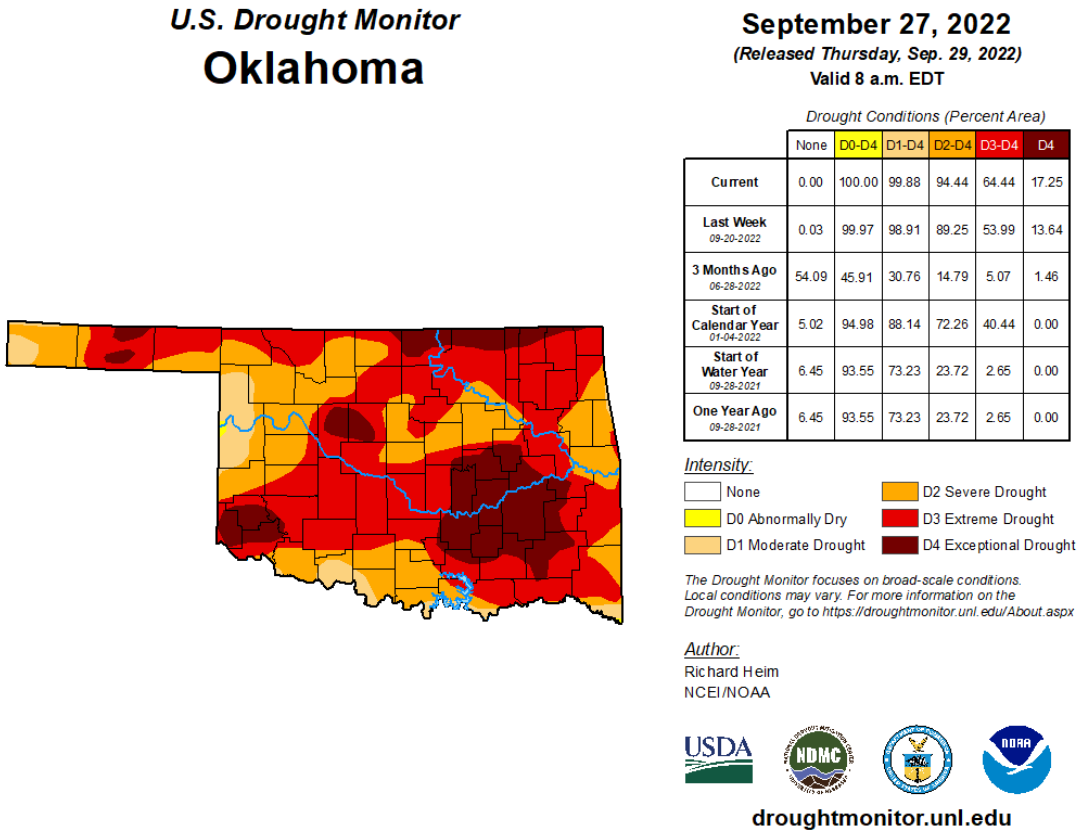
MESONET EXTREMES FOR SEPTEMBER 2022

Climate Division	High Temp (F)	Day	Station	Low Temp (F)	Day	Station	High Monthly Rainfall (inches)	Station	High Daily Rainfall (inches)	Day	Station
Panhandle	102	17th	Beaver	43	12th	Eva	0.76	Kenton	0.45	10th	Arnett
North Central	102	21st	Red Rock	44	26th	Seiling	1.24	Medford	0.94	3rd	Medford
Northeast	102	21st	Talala	40	30th	Pryor	2.25	Tulsa	1.76	2nd	Tulsa
West Central	100	21st	Camargo	45	26th	Camargo	1.10	Butler	0.66	1st	Bessie
Central	101	21st	Oilton	42	12th	El Reno	1.98	Oilton	1.79	1st	Washington
East Central	102	21st	Hectorville	41	30th	Tahlequah	1.83	Hectorville	1.43	2nd	Westville
Southwest	100	21st	Grandfield	46	26th	Mangum	2.33	Mangum	2.30	1st	Mangum
South Central	101	21st	Centrahoma	45	27th	Burneyville	2.36	Fittstown	1.17	1st	Fittstown
Southeast	102	21st	Wilburton	36	30th	Wister	2.34	Talihina	2.30	1st	Talihina
Statewide	102	21st	Red Rock	36	30th	Wister	2.36	Fittstown	2.30	1st	Talihina

Oklahoma Climate Divisions



Climate Division	Counties
1- Panhandle	Beaver, Cimarron, Ellis, Harper, and Texas
2 - North Central	Alfalfa, Garfield, Grant, Kay, Major, Noble, Woods, and Woodward
3 - Northeast	Craig, Delaware, Mayes, Nowata, Osage, Ottawa, Pawnee, Rogers, Tulsa, and Washington
4 - West Central	Beckham, Blaine, Custer, Dewey, Roger Mills, and Washita
5 - Central	Canadian, Cleveland, Creek, Grady, Kingfisher, Lincoln, Logan, McClain, Okfuskee, Oklahoma, Payne, Pottawatomie, and Seminole
6 - East Central	Adair, Cherokee, Haskell, Hughes, McIntosh, Muskogee, Okmulgee, Pittsburg, Sequoyah, and Wagoner
7 - Southwest	Caddo, Comanche, Cotton, Greer, Harmon, Jackson, Kiowa, and Tillman
8 - South Central	Atoka, Bryan, Carter, Coal, Garvin, Jefferson, Johnston, Love, Marshall, Murray, Pontotoc, and Stephens
9 - Southeast	Choctaw, Latimer, LeFlore, McCurtain, and Pushmataha



U.S. DROUGHT MONITOR FOR OKLAHOMA DROUGHT CONDITIONS (PERCENT AREA)

SEPTEMBER 27, 2022 (RELEASED THURSDAY, SEP. 29TH 2022)

VALID 8 A.M. EDT

Period	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	99.98	94.44	64.44	17.25
Last Week 09-20-2022	0.03	99.97	98.91	89.25	53.99	13.64
3 Months Ago 06-28-2022	54.09	45.91	30.76	14.79	5.07	1.46
Start of Current Year 01-04-2022	5.02	94.98	88.14	72.26	40.44	0.00
Start of Water Year 09-28-2021	6.45	93.55	73.23	23.72	2.65	0.00
One Year Ago 09-28-2021	6.45	93.55	73.23	23.72	2.65	0.00

INTERPRETATION INFORMATION

MEAN DAILY TEMPERATURE: Calculated from an average of the daily maximum and minimum temperatures. Daily averages are summed for each day, and then divided by the number of valid data points – typically the number of days in the month. Although this November differ from the "true" daily average, it is consistent with historical methods of observation and comparable to the normals and extremes for stations and regions of the state.

DEGREE DAYS: Degree Days are calculated each day of the month for which there is a temperature report and the mean temperature for the day is less than (Heating Degree Days) or greater than (Cooling Degree Days) 65 degrees. Daily values are summed to arrive at a monthly total. HDD/CDD are qualitative measures of how much heating/cooling was required to maintain a comfortable indoor temperature. Missing observations November result in an artificially high or low value.

ADDITIONAL RESOURCES

SUNRISE / SUNSET TABLES
U.S. Naval Observatory: https://aa.usno.navy.mil/data/

SEVERE STORM REPORTS
Storm Prediction Center: https://spc.noaa.gov/climo/

National Centers for Environmental Information:
https://www.ncdc.noaa.gov/stormevents/

SEASONAL OUTLOOKS
Climate Prediction Center:
https://www.cpc.ncep.noaa.gov/products/OUTLOOKS_index.shtml

CLIMATE CALENDARS AND OTHER LOCAL WEATHER AND CLIMATE INFORMATION
Oklahoma Climatological Survey:
https://climate.mesonet.org **or** https://climate.ok.gov/

OKLAHOMA CLIMATOLOGICAL SURVEY

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