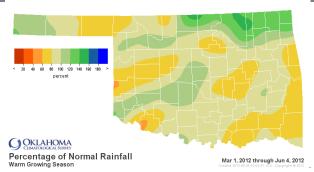
Oklahoma Water Resources Bulletin & Summary of Current Conditions

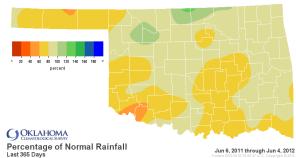


June 7, 2012

PRECIPITATION

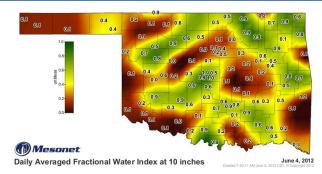
Statewide Precipitation									
	Warm Growing Season March 1, 2012 – June 4, 2012				Last 365 Days June 6, 2011 – June 4, 2012				
CLIMATE DIVISION	TOTAL RAINFALL (INCHES)	DEPARTURE FROM NORMAL (INCHES)	PERCENT OF NORMAL	RANK SINCE 1921	TOTAL RAINFALL (INCHES)	DEPARTURE FROM NORMAL (INCHES)	PERCENT OF NORMAL	RANK SINCE 1921	
Panhandle	5.85"	-1.39"	81%	41st driest	14.90"	-6.10"	71%	14th driest	
North Central	10.75"	-0.14"	99%	32nd wettest	30.25"	-1.27"	96%	41st wettest	
Northeast	16.07"	+2.30"	117%	15th wettest	37.53"	-4.28"	90%	43rd driest	
West Central	7.68"	-2.73"	74%	30th driest	22.03"	-6.93"	76%	21st driest	
Central	11.88"	-1.13"	91%	40th wettest	30.89"	-6.95"	82%	29th driest	
East Central	12.09"	-2.86"	81%	27th driest	36.98"	-8.95"	81%	23rd driest	
Southwest	9.74"	-0.71"	93%	41st wettest	22.47"	-8.19"	73%	13th driest	
South Central	11.27"	-2.26"	83%	32nd driest	30.45"	-10.36"	75%	10th driest	
Southeast	12.68"	-3.28"	79%	24th driest	41.43"	-9.35"	82%	18th driest	
Statewide	11.01"	-1.24"	90%	43rd driest	29.73"	-6.82"	81%	22nd driest	

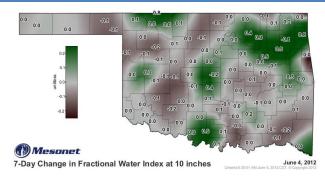




SOIL MOISTURE

Fractional Water Index¹ June 4, 2012



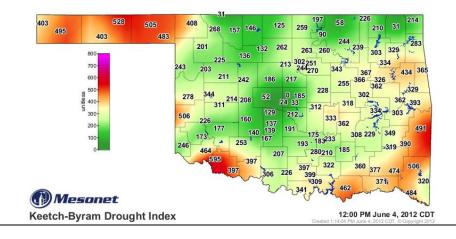


¹ The Fractional Water Index ranges from very dry soil having a value of 0 to soil at field capacity illustrated by a value of 1. [1.0-0.8 = Enhanced Growth; 0.8-0.5 = Limited Growth; 0.5-0.3 = Plants Wilting; 0.3-0.1 = Plants Dying; <0.1 = Barren Soil.]

DROUGHT INDICES									
Palm	ner Drought Sev	erity lı	ndex ¹	ı	Standardized Precipitation Index ² Through April 2012				
CLIMATE	CURRENT STATUS	VALUE		CHANGE	3-Month	6-MONTH	9-MONTH	12-Month	
DIVISION	6/2/2012	6/2	5/5	IN VALUE	3-MONTH	0-MONTH	7-MONIE	12-WONTH	
Northwest	MODERATE DROUGHT	-2.60	-0.01	-2.59	VERY WET	EXTREMELY WET	VERY WET	NEAR NORMAL	
North Central	MOIST SPELL	1.29	3.36	-2.07	EXTREMELY WET	EXTREMELY WET	VERY WET	NEAR NORMAL	
Northeast	MILD DROUGHT	-1.14	1.20	-2.34	VERY WET	VERY WET	MODERATELY WET	NEAR NORMAL	
West Central	NEAR NORMAL	0.02	1.19	-1.17	MODERATELY WET	MODERATELY WET	NEAR NORMAL	MODERATELY DRY	
Central	NEAR NORMAL	-0.28	1.04	-1.32	MODERATELY WET	VERY WET	NEAR NORMAL	NEAR NORMAL	
East Central	MODERATE DROUGHT	-2.11	-0.79	-1.32	NEAR NORMAL	VERY WET	NEAR NORMAL	NEAR NORMAL	
Southwest	INCIPIENT DROUGHT	-0.64	0.31	-0.95	VERY WET	VERY WET	NEAR NORMAL	NEAR NORMAL	
South Central	INCIPIENT DROUGHT	-0.99	0.39	-1.38	NEAR NORMAL	VERY WET	NEAR NORMAL	NEAR NORMAL	
Southeast	MODERATE DROUGHT	-2.40	-0.66	-1.74	MODERATELY DRY	MODERATELY WET	NEAR NORMAL	MODERATELY DRY	

- Four climate divisions are experiencing drought conditions, according to the PDSI. All nine climate divisions have undergone a PDSI moisture decrease since May 5.
- Only two climate divisions are experiencing near long-term dry conditions, according to the SPI.

Keetch-Byram Drought Fire Index ³								
MESONET STATION	CLIMATE DIVISION	CURRENT VALUE 6/4/2012						
Tipton	Southwest	595	 Stations currently at or above 600 (June 4) = 0 Stations above 600 on May 7 = 0 					
Hooker	Panhandle	528	• Stations above 600 on way $t = 0$					
Erick	West Central	506						



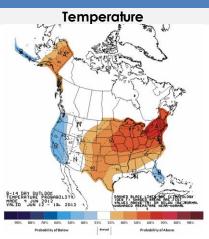
¹ The Palmer Drought Severity Index, the first comprehensive drought index developed in the United States, is calculated based on precipitation, temperature, and soil moisture. Though widely used by government agencies and states to trigger drought relief programs, the PDSI may underestimate or overestimate the severity of ongoing dry periods.

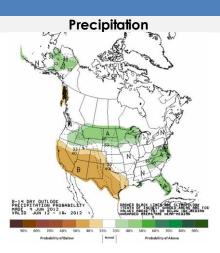
² The Standardized Precipitation Index, more sensitive than the PDSI, provides a comparison of precipitation over a specified period with precipitation totals from that same period for all years included in the historical record. The 3-month SPI provides a seasonal estimation of precipitation while the 6-month SPI can be very effective in showing precipitation over distinct seasons.

³ 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.

WEATHER/DROUGHT FORECAST

8- to 14-Day Outlook June 12-19, 2012



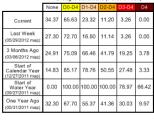


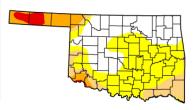
Regional Drought Summary & Outlook

U.S. Drought Monitor

June 5, 2012

Oklahoma





Intensity:

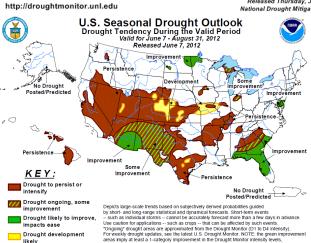
D0 Abnormally Dry
D1 Drought - Moderate

D3 Drought - Extreme

D4 Drought - Exception

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

Released Thursday, June 7, 2012
National Drought Mitigation Center,



June 5—The latest U.S. Drought Monitor reports that with the late spring and early summer months normally the wettest time of the year in the High Plains, several weeks of dry and warm weather usually does not bode well for moisture conditions. Unfortunately after a relatively wet and warm April, drier and warmer weather enveloped the central High Plains during May and early June. Some county reports indicated that pastures have begun to show signs of stress.

Moderate to heavy rains fell on south-central and southeastern Kansas, northern and eastern Oklahoma, and parts of northern Texas and the Texas Panhandle, but most of this rain fell on non-drought areas of Kansas and Oklahoma (although northeastern Oklahoma was trending back toward D0-D1). Fortunately in Texas, the rain did provide some relief, with some trimming of D1 to D4 areas in the northern Panhandle where 1 to 3 inches fell. Farther southeast, however, another dry and warm week expanded D1 across southeastern Texas, with some small areas degrading into D2 that had larger short-term deficits.

Overall, dryness held steady in Oklahoma as only about 14 percent of the state is currently experiencing at least Moderate Drought, about the same as four weeks ago. Just over three percent of the state remains in at least Extreme Drought, entirely in the western Panhandle region.

According to the latest Drought Outlook (June 7), La Niña conditions in the equatorial Pacific transitioned to ENSO-neutral during Spring 2012. ENSO-neutral conditions are expected to continue this summer. Persistence and slight expansion of drought can be expected across the central/southern Great Plains and middle Mississippi Valley. During the upcoming three month period, drought persistence is expected across the Great Basin and central Rockies due to a dry climatology. The onset of the monsoon season may bring some relief to portions of the Southwest.

CROP REPORT

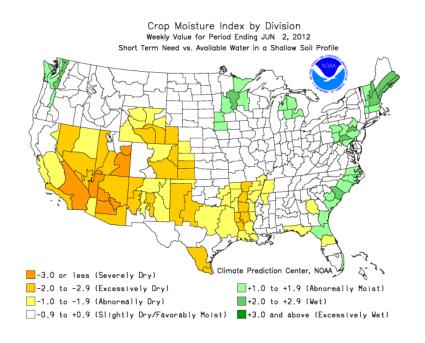
June 4, 2012 –The month of May ended last week as the fifth warmest and fourth driest on record, according to Oklahoma Mesonet data. A few severe thunderstorms throughout the week brought an inch of rain on average for the state. All Mesonet stations recorded some precipitation for the week. Hail and high winds were also reported around the state, damaging wheat that was not yet harvested. Wheat was still rated mostly good and harvest was 60 points ahead of the five-year average by the end of the week while the canola harvest was virtually complete. Topsoil moisture conditions improved slightly with 45 percent rated adequate and 40 percent rated short. Subsoil moisture was rated 36 percent adequate and 46 percent short. There were 5.7 days suitable for field work.

Wheat harvest made significant progress, despite slowing down for wet fields. Hail and wind damage was reported, but conditions continued to be rated mostly good. The wheat harvest was 73 percent complete by Sunday, 60 points ahead of the five-year average. The canola harvest was virtually complete by the end of the week. Rye harvest was 49 percent complete, 43 points ahead of normal. Oat heading was 98 percent complete and 89 percent was in the soft dough stage by Sunday. The oat harvest was also well ahead of normal, with 48 percent harvested by week's end.

Planting on single-cropped acreage was winding down. Conditions of most emerging row crops were rated mostly good while cotton was rated good to fair. Sorghum seedbed preparation was 96 percent complete by Sunday. Sorghum planting was 72 percent complete and 47 percent had emerged by the end of the week, 20 points ahead of normal. Soybean seedbed preparation was 93 percent complete by week's end. Soybean planting was 66 percent complete and 55 percent had emerged by Sunday. Peanut planting was 95 percent complete and 72 percent of the crop had emerged by the end of the week. Cotton seedbed preparation was 94 percent complete. Cotton planting was 63 percent complete and half of the crop was emerged by Sunday. The watermelon crop had 72 percent of plants running vines by week's end and 15 percent was setting fruit.

Cutting of hay was well ahead of normal although condition ratings continued to decline; alfalfa hay was rated mostly good and other hay was rated good to fair. A second cutting of alfalfa was 55 percent complete by the end of the week, 37 points ahead of normal. A first cutting of other hay was 76 percent complete, 33 points ahead of the five-year average.

Pasture and range conditions were rated mostly good to fair. Condition ratings worsened slightly as the long-term lack of adequate rainfall continued to impact pasture. Livestock conditions continued to be rated mostly good.



RESERVOIR STORAGE

- 18 major reservoirs are currently operating at less than full capacity (compared to 13 four weeks ago).
 27 reservoirs have experienced lake level decreases.

	Storage in Sele			Reservoirs	
		June 5, 2			
Lake or Reservoir	Normal Pool Elevation	Previous Elevation 5/8/2012	Current Elevation 6/5/2012	Change in Elevation	Current Flood Control Storage
Lake of Reservoir	(feet)	(feet)	(feet)	(feet)	(acre-feet)
North Central					
Fort Supply	2004.00	2003.98	2003.87	(0.11)	(215)
Great Salt Plains	1125.00	1125.77	1125.11	(0.66)	1,144
Kaw*	1010.50	1012.64	1011.15	(1.49)	10,504
Northeast					
Birch	750.50	751.59	752.91	1.32	2,570
Copan	710.00	722.77	710.54	(12.23)	2,460
Fort Gibson	554.00	555.07	554.38	(0.69)	7,334
Grand*	744.00	745.09	743.94	(1.15)	(2,454)
Hudson	619.00	620.38	619.46	(0.92)	5,115
Hulah	733.00	747.91	735.26	(12.65)	7,862
Keystone	723.00	726.56	724.37	(2.19)	23,868
Oologah	638.00	647.97	638.29	(9.68)	8,406
Skiatook	714.00	708.72	710.00	1.28	(39,037)
West Central					
Canton	1615.40	1609.14	1609.08	(0.06)	(42,763)
Foss	1642.00	1635.10	1634.82	(0.28)	(44,098)
Central				-	
Arcadia	1006.00	1005.94	1007.27	1.33	2,431
Heyburn	761.50	761.60	761.11	(0.49)	(259)
Thunderbird	1039.00	1037.07	1036.62	(0.45)	(13,890)
East Central				•	•
Eufaula	585.00	585.70	584.44	(1.26)	(51,926)
Tenkiller	632.00	632.64	631.37	(1.27)	(8,057)
Southwest					
Fort Cobb	1342.00	1339.92	1339.80	(0.12)	(7,947)
Lugert-Altus	1559.00	1534.80	1535.09	0.29	(102,062)
Tom Steed	1411.00	1404.51	1404.03	(0.48)	(38,316)
South Central					
Arbuckle	872.00	872.63	872.33	(0.30)	785
McGee Creek**	175.90	176.17	176.03	(0.14)	1,604
Texoma*	619.00	616.93	616.70	(0.23)	(198,423)
Waurika	951.40	945.76	945.14	(0.62)	(58,134)
Southeast				•	•
Broken Bow*	602.50	599.87	598.00	(1.87)	(61,219)
Hugo*	406.00	405.21	404.06	(1.15)	(24,953)
Pine Creek	433.00	432.70	431.52	(1.18)	(3,959)
Sardis	599.00	599.22	598.96	(0.26)	(532)
Wister	478.00	478.52	478.23	(0.29)	1,220

^{*} indicates seasonal pool operation

negative numbers in red, parentheses

^{**} elevation in meters

STREAMFLOW CONDITIONS

Baron Fork at Eldon

PROVISIONAL DATA

Dailings Area 307 square miles

PROVISIONAL DATA

JUNE 6, 2012

Daily-Mean Discharge Water Years 2011 and 2012

Daily-Median Discharge Water Years 1949-2011

Daily-Median Discharge Water Years 1949-2011

May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Z011

2011

2011

2012

Comparison of daily discharges for waters year 2011 and 201

Data from U.S. Geological Survey

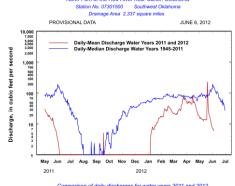
Cimarron River near Waynoka



Comparison of daily discharges for water years 2011 and 2012

Data from U.S. Geological Survey

North Fork of the Red River near Carter



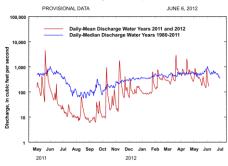
and period of record

Data from U.S. Geological Survey



Canadian River at Purcell

Canadian River at Purcell, Oklahoma Station No. 07229200 Central Oklahoma Drainage Area 25,939 square miles



Comparison of daily discharges for water years 2011 and 2012

and period of record

Data from U.S. Geological Survey

Glover River near Glover

Station No. 07337900 Southeast Oklahoma
Drainage Area 315 square miles



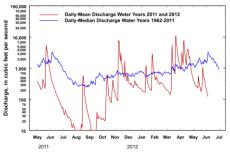
Comparison of daily discharges for water years 2011 and 2012

and period of record

Data from U.S. Geological Surve

Washita River near Dickson

Washita River near Dickson, Oklahoma
Station No. 07331000 South-Central Oklahoma
Drainage Area 7,202 square miles
PROVISIONAL DATA
ILINE 6, 2012



Comparison of daily discharges for water years 2011 and 2012 and period of record

Data from U.S. Geological Survey

Water Bulletin information/data courtesy of National Weather Service, Climate Prediction Center, Oklahoma Climatological Survey, State Department of Agriculture, Food, and Forestry, Agricultural Statistics Service, U.S. Army Corps of Engineers, U.S. Department of Agriculture/Forest Service, U.S. Geological Survey, Western Drought Coordination Council, and National Drought Mitigation Center. For more information, visit www.owrb.ok.gov and www.mesonet.org.