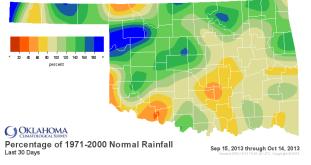
Oklahoma Water Resources Bulletin & Summary of Current Conditions

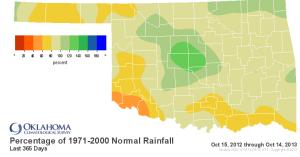


October 17, 2013

PRECIPITATION

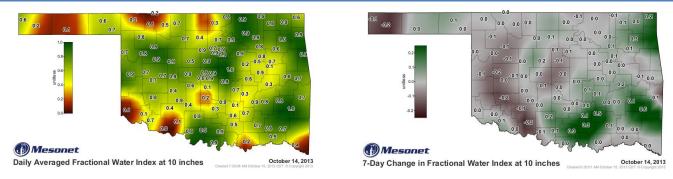
Statewide Precipitation									
	Last 30 Days September 15, 2013 – October 14, 2013					Last 365 Days October 15, 2012 – October 14, 2013			
Climate Division	Total Rainfall (inches)	DEPARTURE FROM NORMAL (INCHES)	Percent Of Normal	Rank Since 1921	Total Rainfall (inches)	Departure From Normal (inches)	PERCENT OF NORMAL	Rank Since 1921	
Panhandle	2.17"	+0.49"	129%	28th wettest	16.73"	-4.37"	79%	24th driest	
North Central	3.50"	+0.63"	122%	28th wettest	29.69"	-1.96"	94%	41st wettest	
Northeast	5.08"	+0.89"	121%	26th wettest	39.99"	-1.98"	95%	44th wettest	
West Central	3.65"	+0.88"	132%	26th wettest	24.04"	-5.05"	83%	37th driest	
Central	3.98"	+0.13"	103%	31st wettest	40.17"	+2.18"	106%	22nd wettest	
East Central	4.55"	-0.03"	99%	33rd wettest	41.48"	-4.61"	90%	42nd driest	
Southwest	2.95"	-0.21"	93%	39th wettest	23.93"	-6.87"	78%	25th driest	
South Central	3.57"	-0.67"	84%	39th wettest	33.17"	-7.79"	81%	25th driest	
Southeast	4.51"	-0.17"	96%	34th wettest	43.69"	-7.25"	86%	32nd driest	
Statewide	3.78"	+0.22"	106%	33rd wettest	32.85"	-3.84"	90%	41st driest	





SOIL MOISTURE

Fractional Water Index¹ October 14, 2013



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									
Palme	r Drought Sev	verity	/ Ind	ex1	Standardized Precipitation Index ² Through August 2013				
Climate Division	CURRENT STATUS 10/12/2013	VA 10/12	lue 9/14	CHANGE In Value	3-Month	6-Month	12-MONTH	24-Month	
Northwest	MILD DROUGHT	-1.02	-2.03	1.01	VERY MOIST	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL	
North Central	MOIST SPELL	1.52	1.14	0.38	MODERATELY MOIST	ABNORMALLY MOIST	NEAR NORMAL	NEAR NORMAL	
Northeast	INCIPIENT MOIST SPELL	0.96	0.22	0.74	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL	
West Central	UNUSUAL MOIST SPELL	2.07	-1.59	3.66	ABNORMALLY MOIST	NEAR NORMAL	NEAR NORMAL	ABNORMALLY DRY	
Central	MOIST SPELL	1.54	1.42	0.12	EXTREMELY MOIST	EXTREMELY MOIST	MODERATELY MOIST	NEAR NORMAL	
East Central	NEAR NORMAL	0.28	-0.69	0.97	ABNORMALLY DRY	NEAR NORMAL	NEAR NORMAL	ABNORMALLY DRY	
Southwest	MILD DROUGHT	-1.43	-2.04	0.61	MODERATELY MOIST	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL	
South Central	INCIPIENT DROUGHT	-0.66	-2.24	1.58	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL	
Southeast	INCIPIENT DROUGHT	-0.86	-1.83	0.97	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL	NEAR NORMAL	

Four climate divisions, both in western Oklahoma, are classified as experiencing drought conditions, according to the PDSI. No regions have undergone a PDSI moisture decrease since September 14.

According to the latest SPI, only two climate divisions (West Central and East Central) are experiencing near long-term dry conditions.

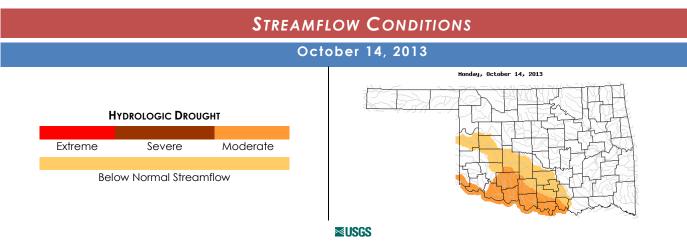
Keetch-Byram Drought Fire Index³

Mesonet Station	Climate Division	CURRENT VALUE 10/14/2013	102 398 207	380 519 465 360 298, 228 341 56 230 214 216 105
Hollis	Southwest	666	434	270 263 385 340 311 590 372 251
Newport	South Central	654	700-	256 154 231 289 390 333 42 321 435
Sulphur	South Central	651	600-	290 234 336 198 415 390 496 4 410 410
	y at or above 600 (Octo 00 on September 16 = 2	,	g 500- 400- 5000- 200- 100-	337 367 278 308 207 271217 359 297 39 321 362 369 369 467 393 444 526 394 4754 316 361 328 442 454 531 562 486/575 575 666 609 495 651533 562 519 593
				641 450 540 653 602 595 512 507 641 450 540 651 541 545
				649 545

Mesonet

Keetch-Byram Drought Index

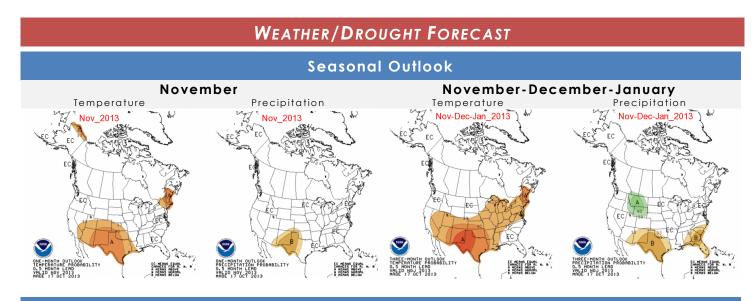
7:00 AM October 14, 2013 CDT



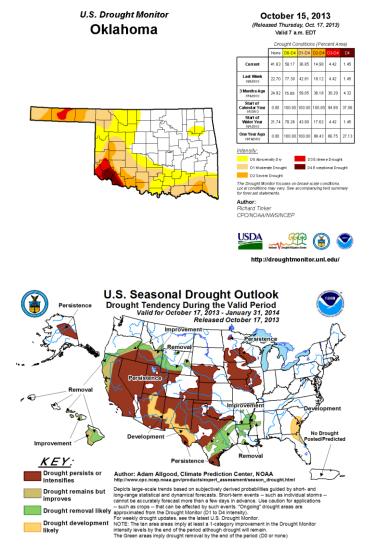
The Palmer Drought Severity Index is based upon precipitation, temperature, and soil moisture. Though widely used by government agencies and states to trigger drought relief programs, the PDSI may underestimate or overestimate the severity of ongoing dry periods.

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.



Regional Drought Summary & Outlook



October 15—Scattered moderate to heavy rainfall was experienced in southeast Kansas, southwest Missouri, the southern Great Plains, and portions of the lower Mississippi Valley west of the Mississippi River. However, excessive rains of 4 to nearly 10 inches doused southwestern Texas and small areas in east central and western Texas, and eastern Oklahoma. 30-day totals exceeded 6 inches in numerous areas outside the Texas and Oklahoma Panhandles, with the largest amounts (12 to nearly 20 inches) observed near the southern reaches of the Texas/Louisiana border.

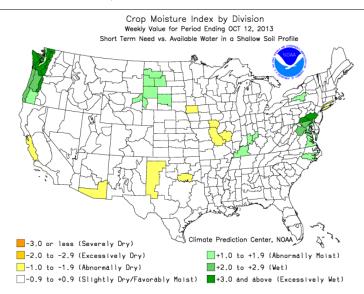
Less than five percent of the state is now classified in Extreme Drought, virtually unchanged from last month. About 15 percent of the state is considered to be experiencing Severe Drought, and about 37 percent remains in Moderate Drought—both improvements from one month ago. Most notably, conditions have improved in the southeast. The worst and longest suffering areas continue to be southwest Oklahoma, where significant Exceptional Drought conditions persist, and the Panhandle.

According to the latest Drought Outlook, drought is expected to persist or intensify throughout much of western and southern Oklahoma through January 2014.

CROP REPORT SUMMARY

September 30, 2013 – Planting of small grains and canola made significant progress before the weekend rainfall, and continued with the additional moisture received. Small portions of wheat, rye and canola were reported as emerged by the end of the week. Harvest of single-crop soybeans had begun on track with the five-year average, and corn and sorghum harvest continued. Topsoil moisture conditions were rated 45 percent adequate and 53 percent short to very short. Subsoil moisture conditions were rated 34 percent adequate and 65 percent short to very short. There were 6.0 days suitable for fieldwork.

Condition ratings of pasture and range continued to be rated mostly good to fair. Rainfall and cooler temperatures allowed for cool season forages to begin developing. Livestock was rated mostly in good condition. Although some livestock ponds received run-off moisture from the weekend rains, others are still low.



RESERVOIR STORAGE October 14, 2013

