



Oklahoma Crop Weather

Oklahoma Field Office

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A combined contribution with Cooperative Extension Service, USDA Farm Service Agency and Oklahoma Mesonet

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The heat dome finally passed last week allowing for rain and lower temperatures throughout the state. According to the Mesonet, storms formed in the High Plains bringing rain and high winds to Northeast Oklahoma. Drought conditions were rated 10 percent moderate drought, up 2 points from the previous week and 1 percent as severe drought, up 1 point. Temperatures ranged from 57 degrees at Kenton on Saturday, July 30th to 103 degrees at Grandfield on Sunday, July 31st. Precipitation ranged from 0.33 of an inch in the South Central district to 2.32 inches in the Central district. Soil temperature averages ranged from 76 degrees at Putnam on Saturday, July 30th to 96 degrees at Burneyville on Monday, July 25th, 2016. Statewide, air temperatures averaged in the low 80's across the state. Topsoil and subsoil moisture conditions were rated mostly adequate to short. There were 6.0 days suitable for fieldwork.

Soil Moisture Conditions by Percent
For Week Ending July 31, 2016

Moisture Rating	Current Week	Previous Week	One Year Ago
Topsoil			
Very Short	5	5	5
Short	30	31	27
Adequate	63	62	64
Surplus	2	2	4
Subsoil			
Very Short	4	3	10
Short	24	23	26
Adequate	70	72	59
Surplus	2	2	5

Row Crops: Corn silk reached 85 percent, down 3 points from the previous year and down 5 points from normal. Corn dough reached 26 percent, down 1 point from the previous year and down 30 points from normal. Sorghum headed reached 44 percent, down 2 points from the previous year and down 3 points from normal. Sorghum coloring reached 19 percent, up 6 points from the previous year and up 2 points from normal. Soybeans emerged reached 96 percent, unchanged from last year and down 3 points from normal. Soybeans blooming reached 40 percent, up 8 points from the previous year but unchanged from normal. Soybeans setting pods reached 14 percent, up 3 points from the previous year and up 5 points from normal. Peanuts pegging reached 71 percent, up 9 points from the previous year but down 12 points from normal. Peanuts mature reached 4 percent, up 4 points from the previous year and up 4 points from normal. Cotton squaring reached 77 percent, down 9 points from the previous year but up 5 points from normal. Cotton setting bolls reached 31 percent, down 1 point from the previous year but unchanged from normal.

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Hay: A third cutting of alfalfa hay reached 14 percent, up 3 points from the previous year but down 26 points from normal. A second cutting of other hay reached 35 percent, down 7 points from the previous year but up 4 points from normal.

Watermelons: Watermelons harvested reached 50 percent, up 8 points from the previous year but down 6 points from normal.

Pasture and Livestock: Conditions of pasture and range were rated at 84 percent good to fair. Livestock condition was rated at 87 percent good to fair.

Crop Conditions by Percent
For Week Ending July 31, 2016

Commodity	Very Poor	Poor	Fair	Good	Excellent
Oats	0	3	40	51	6
Corn	2	5	18	70	5
Sorghum	0	3	28	66	3
Peanuts	0	0	9	91	0
Cotton	0	0	46	47	7
Soybeans	0	2	33	62	3
Alfalfa Hay	0	2	23	62	13
Other Hay	1	2	17	73	7
Livestock	1	3	22	65	9
Pasture and Range	1	8	37	47	7

Crop Progress by Percent
For Week Ending July 31, 2016

Crop	Stage	Current Week	Previous Week	One Year Ago	Five Year Average
Corn	Silking	85	74	88	90
	Dough	26	18	27	56
Sorghum	Headed	44	38	46	47
	Coloring	19	7	13	17
Soybeans	Emerged	96	90	96	99
	Blooming	40	34	32	40
	Setting Pods	14	12	11	9
Peanuts	Pegging	71	60	62	83
	Mature	4	N/A	0	0
Cotton	Squaring	77	65	86	72
	Setting Bolls	31	19	32	31
Alfalfa Hay	Third Cutting	14	N/A	11	40
Other Hay	Second Cutting	35	28	42	31
Watermelons	Harvested	50	35	42	56

Weather for Week Ending July 31, 2016: Temperatures ranged from 57 degrees at Kenton on Saturday, July 30th to 103 degrees at Grandfield on Sunday, July 31st. Precipitation ranged from 0.33 of an inch in the South Central district to 2.32 inches in the Central district. Soil temperature averages ranged from 76 degrees at Putnam on Saturday, July 30th to 96 degrees at Burneyville on Monday, July 25th, 2016.

Mesonet Temperature and Precipitation Data
For Week Ending July 31, 2016

Districts	Temperature			Precipitation			
	High	Low	Average	Current Week	Mar 1, 2016 to July 31, 2016		
					Total	Departure from Normal	Percent of Normal
	<i>Degrees</i>	<i>Degrees</i>	<i>Degrees</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Percent</i>
Panhandle	94	65	79	0.65	12.38	0.94	108
North Central	94	70	81	1.78	16.72	-0.43	97
Northeast	90	71	79	1.23	20.29	-1.50	93
West Central	94	70	81	0.98	15.57	0.65	104
Central	92	72	81	2.32	19.48	0.22	101
East Central	92	72	80	1.83	22.31	0.42	102
Southwest	97	72	84	0.40	21.27	5.67	136
South Central	95	73	83	0.33	23.47	3.47	117
Southeast	94	72	80	1.19	26.59	3.24	114