



# Oklahoma Crop Weather

**Oklahoma Field Office**

**Cooperating with the Oklahoma Department of Agriculture, Food and Forestry**

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Weekly Summary for May 13-May 19

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## Severe Weather Swept Across the State

Severe weather moved through the state Sunday night, with reports of large hail, damaging winds and multiple tornados. Heavy rains fell in central Oklahoma, resulting in highway flooding and limited visibility in some areas. Damage assessments are ongoing but at least one storm-related death was reported and property damage was extensive. Governor Fallin declared a state of emergency for 16 Oklahoma counties. Temperatures across the state averaged in the mid - to low 70's. Precipitation averaged nine tenths of an inch for the week but varied considerably. The Southeast district recorded the highest rain total at 1.85 inches. Warmer temperatures allowed for progress in planting as well as the development of small grains. Topsoil moisture conditions were rated mostly adequate. Subsoil moisture conditions varied widely but 59 percent was rated short to very short. There were 5.1 days suitable for fieldwork.

<b>Soil Moisture Conditions by Percent</b>			
<i>Week Ending Sunday, May 19, 2013</i>			
Moisture Rating	Current Week	Previous Week	One Year Ago
<b>Topsoil</b>			
Very Short	16	22	10
Short	21	20	36
Adequate	60	53	52
Surplus	3	5	2
<b>Subsoil</b>			
Very Short	29	35	13
Short	30	30	38
Adequate	39	34	48
Surplus	2	1	1

**Small Grains:** Conditions of wheat and rye were rated mostly fair to poor and oats were rated mostly good to fair. **Wheat** heading was 79 percent complete by the end of the week, 19 points behind normal. Wheat in the soft dough stage was 28 percent, 35 points behind the five-year average. **Rye** headed was virtually complete by week's end, and 34 percent was in the soft dough stage, 41 points behind normal. **Oats** jointing was 94 percent complete, and 50 percent headed by Sunday.

**Canola** was rated mostly good to fair with 43 percent rated poor to very poor. Canola was 14 percent mature by the end of the week, compared to 93 percent this week last year.

**Row Crops:** Fieldwork and planting were slightly behind normal for all row crops. Warmer temperatures have allowed for field work. **Corn** seedbed preparation was 94 percent and 54 percent was planted by the end of the week, 40 points behind the five-year average. Corn emerged was 45 percent, 28 points behind normal. **Sorghum** seedbed preparation was 63 complete, and 24 percent of sorghum was planted by the end of the week, four points behind the five-year average. **Soybean** seedbed preparation was 57 percent, and 10 percent was planted, 22 points behind the five-year average. **Peanut** seedbed preparation was 89 percent, and 44 percent of the crop had been planted by Sunday. Seven percent of the peanut crop had emerged by Sunday. **Cotton** seedbed preparation was 88 percent complete and 16 percent was planted by week's end, compared to 35 percent at this point last year.

**Watermelon** planting was 86 percent complete by the end of the week and 11 percent of the crop was growing out vines, seven points behind the five-year average.

**Hay:** Conditions of alfalfa were rated mostly good to fair and other hay was rated mostly fair. A first cutting of **alfalfa hay** was 32 percent complete by the end of the week, 35 points behind the five year average. A first cutting of **other hay** was 16 percent complete, 16 points behind normal.

**Pasture and Livestock:** Conditions of pasture and range were rated mostly good to fair. Warmer temperatures allowed for growth of spring forage, where moisture was received. Livestock conditions continued to be rated mostly good to fair.

<b>Conditions by Percent</b>					
<i>For Week Ending Sunday, May 19, 2013</i>					
Commodity	Very Poor	Poor	Fair	Good	Excellent
Wheat	24	28	29	17	2
Rye	22	25	39	11	3
Oats	8	13	35	40	4
Canola	21	22	31	23	3
Alfalfa Hay	5	13	43	34	5
Other Hay	8	13	48	30	1
Livestock	3	7	41	43	6
Pasture and Range	15	20	38	24	3

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### Crop Progress by Percent

For Week Ending Sunday, May 19, 2013

Crop	Stage	Current Week	Previous Week	One Year Ago	Five Year Average
Wheat	Headed	79	65	100	98
	Soft Dough	28	16	93	63
Rye	Headed	97	92	100	100
	Soft Dough	34	25	97	75
Oats	Jointing	94	87	100	93
	Headed	50	43	88	65
	Soft Dough	10	N/A	56	29
Canola	Mature	14	6	93	N/A
Corn	Seedbed Prepared	94	92	100	100
	Planted	54	45	96	94
	Emerged	45	35	75	73
Sorghum	Seedbed Prepared	63	57	88	81
	Planted	24	11	39	28
Soybeans	Seedbed Prepared	57	48	82	72
	Planted	10	7	44	32
Peanuts	Seedbed Prepared	89	84	94	95
	Planted	44	31	66	54
	Emerged	7	N/A	34	25
Cotton	Seedbed Prepared	88	85	88	92
	Planted	16	6	35	25
Alfalfa Hay	1st Cutting	32	25	93	67
Other Hay	1st Cutting	16	11	60	32
Watermelons	Planted	86	79	86	72
	Running	11	N/A	55	18

### Mesonet Temperature and Precipitation Data

Week Ending Sunday, May 19, 2013

District	Temperature			Precipitation			
	High	Low	Average	Current Week	March 1, 2013 to May 19, 2013		
					Total	Departure From Normal	Percent of Normal
	Degrees	Degrees	Degrees	Inches	Inches	Inches	Percent
Panhandle	89	57	73	0.03	1.42	-4.13	26
West Central	87	60	73	0.17	3.71	-4.30	46
Southwest	89	61	74	0.70	5.62	-2.36	70
North Central	84	59	72	0.65	6.34	-2.20	74
Central	82	61	72	1.06	9.63	-0.59	94
South Central	84	63	73	1.69	7.04	-3.70	66
Northeast	81	60	71	1.05	9.44	-1.58	86
East Central	81	62	72	1.29	11.43	-0.60	95
Southeast	81	61	71	1.85	11.61	-1.25	90

#### Weather for Week Ending May 19, 2013:

Temperatures ranged from 43 degrees at Broken Bow on Monday, May 13th, to 104 degrees at Beaver on Saturday, May 18th. Precipitation ranged from 0.03 of an inch in the Panhandle district to 1.85 inches in the Southeast district. Soil temperature averages ranged from 63 degrees at Pryor and at Tahlequah on Monday, May 13th, to 83 degrees at Wister on Sunday, May 19th.