

South Dakota Weekly Crop Weather Report

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U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

Dry weather throughout most of the state helped producers' progress in sunflower planting, hay harvesting, post-emergence spraying and cultivating. Statewide, farmers and ranchers had 6.5 days suitable for fieldwork.

This report is based on information from county extension educators, Farm Service Agency county directors, and other reporters across the state.

WEATHER INFORMATION

Last week was a very dry one across the state with only a few stations reporting over 0.1 of an inch of precipitation, mainly in the western part of the state, according to the State Climate Office of South Dakota. Nearly all the eastern part of the state received no rainfall through Sunday noon. Long term precipitation departures from normal accumulated since Oct 1 are becoming apparent in the southwest (Oelrichs -5.62) and northwest (Buffalo -4.56). Shorter term dryness is showing in places in the east, with below average totals since April 1 (Vermillion -2.51). Much of this has been during June where large areas of the state have been below average precipitation for the month. Locations in the central third of the state have seen the most precipitation during that time. In contrast the Rapid City Airport had the 5th driest June on record.

Temperatures during the last week were generally above average in the west, with locations reaching the upper 90s and over 100° F at two stations. The hotter temperatures are exacerbating the already dry conditions in the southwest. Some stress is starting to show in crops in lighter soils in the eastern part of the state according to extension reports. This stress is starting to appear in satellite-derived crop maps, also.

SOIL CONDITION

The topsoil moisture rating dropped 11 percentage points, to 83 percent adequate to surplus, while the subsoil moisture rating fell 6 percentage points, to 84 percent adequate to surplus. Statewide, soil moisture ratings remain significantly higher than last year at this time, yet the southwest corner of the state continues to be dry.

FIELD CROPS REPORT

Sunflower planting is nearing completion at 92 percent complete. Soybean blooming is now rated at 14 percent ahead of the five-year average of 8 percent. Corn growth continues ahead of normal, with average height now at 38 inches. Fifty-eight percent of the crop has been sprayed or cultivated twice, which is behind last year but ahead of the five-year average. This week represents the first reports of tasseling in corn (at 2 percent) and harvest of winter wheat (at 1 percent). The spring small grains made large advances in percent headed, with barley, oats, and spring wheat headed rated at 85 percent, 91 percent, and 90 percent, respectively.

LIVESTOCK, PASTURE, AND RANGE REPORT

Good haying weather advanced the first cutting of alfalfa to 88 percent harvested, while other hay advanced quickly to 53 percent harvested. Seventy-eight percent of alfalfa is rated in good or excellent condition compared to 28 percent last year, and 45 percent for the five-year average.

Feed and Water Supplies Comparison as of July 1, 2007

Rating	Feed Supplies			Stock Water Supplies		
	This Week	Last Year	5 Yr. Avg.	This Week	Last Year	5 Yr. Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Very Short	2	10	12	10	22	20
Short	6	33	21	10	28	23
Adequate	85	54	62	71	48	52
Surplus	7	3	4	9	2	5

Soil Moisture Condition Comparison as of July 1, 2007

Rating	Topsoil			Subsoil		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Very Short	3	1	30	5	3	31
Short	14	5	29	11	7	25
Adequate	74	77	40	74	74	42
Surplus	9	17	1	10	16	2

Crop and Livestock Conditions as of July 1, 2007

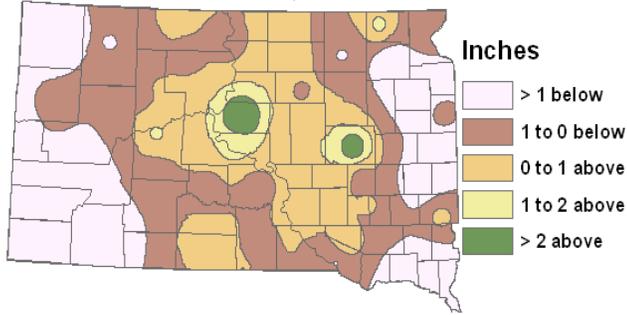
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	3	3	22	49	23
Spring Wheat	1	3	23	56	17
Barley	1	4	14	70	11
Oats	0	2	15	67	16
Corn	1	2	15	55	27
Soybeans	1	3	15	60	21
Sorghum	0	2	22	72	4
Sunflower	1	2	35	58	4
Alfalfa	2	2	18	60	18
Cattle	0	0	9	66	25
Sheep	0	0	7	65	28
Range & Pasture	1	3	22	57	17

Crop Progress as of July 1, 2007 ¹

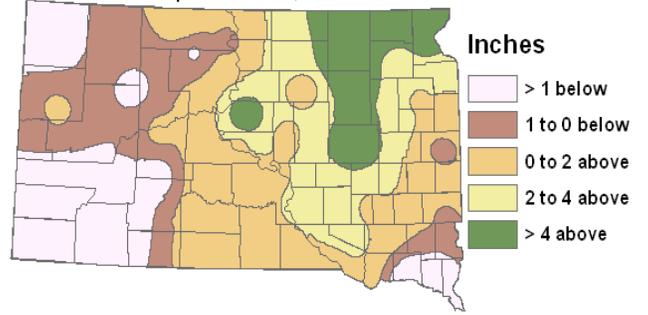
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Turning Color	85	58	89	68
Ripe	11	0	38	11
Harvested	1	0	9	2
Barley				
Headed	85	44	87	76
Turning Color	11	1	15	10
Ripe	0	0	1	0
Oats				
Headed	91	66	90	82
Turning Color	21	2	27	13
Ripe	1	0	3	1
Spring Wheat				
Headed	90	64	94	87
Turning Color	9	1	33	13
Ripe	0	0	3	1
Corn				
Ave Height (in.)	38	25	35	26
1st cult./spray	99	92	100	94
2nd cult./spray	58	34	66	44
Tasseled	2	0	3	1
Soybeans				
Blooming	14	1	14	8
Sorghum				
Emerged	98	84	96	58
Headed	0	0	0	1
Sunflower				
Planted	92	80	100	98
Alfalfa				
1st Cutting	88	75	89	82
2nd Cutting	9	1	17	8
Other Hay				
Cut	53	26	57	43

¹ Percents represent all acreage in or beyond each stage.

Accumulated Precip Departure from Normal
for Jun 2 to Jul 1, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Jul 1, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, July 1, 2007

District And Station	Temperatures Past Week				Precipitation					Growing Degree Days	
	Average	Departure From Normal	High	Low	Total			Departure From Normal		Total	Departure From Normal
					Current Week	Since Oct. 1	Since Apr. 1	Since Oct. 1	Since Apr. 1		
	<i>Degrees</i>	<i>Degrees</i>	<i>Degrees</i>	<i>Degrees</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>		
Northwest											
Bison	71	2	97	46	0.00	10.39	7.53	-2.02	-0.21	1,010	92
Buffalo	71	6	95	44	0.00	7.38	5.28	-4.56	-2.74	903	166
Dupree	71	1	97	49	0.00	11.55	8.32	-1.26	-0.03	1,086	144
McIntosh	69	-1	91	45	0.00	11.86	8.49	0.59	1.14	960	19
Newell	74	4	97	47	0.11	11.09	7.77	-0.27	0.50	1,003	102
Timber Lake	70	1	96	46	0.05	11.41	6.92	-1.67	-1.20	1,051	131
North Central											
Aberdeen	70	0	93	48	0.00	22.34	18.08	9.16	9.96	1,119	171
Faulkton	67	-3	90	46	0.00	13.64	8.72	0.23	0.77	1,064	107
Mobridge	72	2	94	47	0.07	10.73	7.02	-0.82	-0.28	1,155	218
Roscoe	67	-1	90	46	0.01	15.02	11.09	1.47	2.49	1,005	156
Northeast											
Britton	71	2	92	50	0.00	20.22	15.90	7.11	7.75	1,146	192
Clear Lake	69	0	88	48	0.00	17.48	11.19	0.60	1.42	1,038	186
Sisseton	68	-1	88	50	0.00	19.92	13.23	5.40	5.02	1,118	185
Watertown	70	2	91	44	0.00	15.74	10.43	1.47	1.73	1,132	306
Webster	68	-1	89	50	0.00	17.58	10.85	4.07	2.78	1,031	166
West Central											
Faith	74	3	98	50	0.00	9.67	6.04	-2.87	-1.79	1,022	44
Milesville	73	2	98	49	0.00	12.91	8.81	-0.61	0.24	1,159	138
Philip	76	5	100	52	0.00	9.78	5.86	-2.30	-2.00	1,208	177
Rapid City	72	4	95	44	0.04	8.89	6.67	-3.09	-1.06	973	138
Spearfish	77	9	99	53	0.05	13.07	9.11	-3.34	-0.84	1,080	236
Central											
Chamberlain	71	0	91	56	0.00	18.62	12.24	3.35	2.72	1,200	194
Highmore	69	-1	90	47	0.00	14.54	10.39	0.37	1.46	1,061	97
Huron	71	0	93	51	0.00	20.82	15.57	6.54	6.89	1,204	204
Onida	72	2	96	49	0.00	19.84	14.50	6.27	6.51	1,120	151
Pierre	73	0	96	50	0.00	14.65	10.50	0.82	1.74	1,146	84
East Central											
Brookings	68	-1	90	47	0.00	13.63	8.47	-0.78	-0.87	1,081	201
Forestburg	71	-2	91	50	0.00	19.40	13.40	3.98	3.98	1,258	140
Madison	69	1	92	49	0.00	17.10	11.42	0.71	1.62	1,127	247
Mitchell	68	-4	92	49	0.00	17.99	11.14	2.26	1.48	1,228	182
Sioux Falls	71	0	93	51	0.00	19.46	9.46	3.18	-0.18	1,220	215
Southwest											
Custer	67	4	92	41	0.02	10.23	7.13	-3.16	-1.51	730	100
Hot Springs	71	2	94	47	0.00	8.59	5.95	-3.16	-1.93	1,135	143
Oelrichs	75	5	107	44	0.00	6.60	4.59	-5.62	-3.37	1,120	126
Porcupine	76	6	105	45	0.00	8.50	5.42	-3.54	-2.34	1,114	156
South Central											
Kennebec	73	0	95	48	0.00	14.41	8.15	1.83	-0.01	1,344	168
Mission	73	2	98	48	0.00	16.92	10.77	3.21	1.76	1,177	254
Murdo	73	2	98	53	0.00	14.24	9.53	0.03	0.87	1,110	127
Winner	74	0	95	55	0.00	17.79	10.14	1.52	0.17	1,209	22
Southeast											
Armour	72	-2	91	52	0.00	20.70	12.77	4.55	3.11	1,314	116
Centerville	71	-1	90	53	0.00	15.48	9.04	-1.01	-1.15	1,248	171
Pickstown	71	-2	91	56	0.00	18.81	11.48	2.91	1.43	1,218	127
Vermillion	73	-2	92	52	0.00	16.03	7.72	-0.82	-2.51	1,390	116
Yankton	71	-1	90	53	0.00	17.47	7.98	0.72	-2.43	1,248	141

DATA AND MAP SOURCE: State Climate Office of South Dakota