

# South Dakota Weekly Crop Weather Report

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For Week Ending July 8, 2007  
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AGRICULTURAL EXTENSION SERVICE and  
U.S. DEPARTMENT OF AGRICULTURE  
FARM SERVICE AGENCY

## AGRICULTURAL SUMMARY

Hot, dry weather over most of the state allowed producers 6.6 days suitable for fieldwork. Major farm activities included harvesting hay, post-emergence spraying and cultivating.

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

## WEATHER INFORMATION

Another very warm week across the state was punctuated with temperatures at or above 100° F across much of the state on Saturday, according to the State Climate Office of South Dakota. Several stations in the western part of the state reached 110° F with humidities below 10%. Average temperatures for the whole state were above average for the week, reaching as much as 10 to 11° F above average at Rapid City and Buffalo. These conditions stressed much of the rangeland and row crop land, especially those areas that have been short of rainfall.

Most of the state has received below-average precipitation for the last 30 days. Precipitation over the last week again missed most of the driest areas. Much of the eastern third of the state is below 50% of average precipitation over the last 30 days, with a few places below 25% of average during that time. Precipitation has also been very short in the southern Black Hills and southwest. Harding County and parts of the northwest continue to lag far behind average precipitation. The western third of the state is below half of average precipitation for the last 30 days, also.

## SOIL CONDITION

Hot, dry, and windy conditions caused noteworthy changes in soil moisture conditions this week. The topsoil moisture rating dropped again this week, down 20 percentage points, to 63 percent adequate to surplus, above the five-year average of 56 percent. Also, subsoil moisture rating fell 9 percentage points, to 75 percent adequate to surplus, above the five-year average of 54 percent adequate to surplus.

## FIELD CROPS REPORT

Average corn height is rated at 53 inches, well ahead of the five-year average of 39 inches. Also, corn tasseled is 15 percent, which is ahead of last year's 7 percent. Soybeans are 31 percent blooming, behind last year's 37 percent but ahead of the normal of 24 percent. Winter wheat ripe advanced quickly this week, now rated at 52 percent ripe, ahead of the five-year average of 35 percent. The spring small grains are also turning color quickly: barley, at 35 percent; oats, at 55 percent; and spring wheat, at 37 percent turned.

## LIVESTOCK, PASTURE, AND RANGE REPORT

The first cutting of alfalfa is nearly complete at 96 percent harvested, while the second cutting is now at 26 percent harvested. Other hay advanced to 63 percent harvested. Alfalfa condition slipped 7 percentage points, to 71 percent good or excellent, but still remains in better condition than the five-year average of 44 percent.

## Feed and Water Supplies Comparison as of July 8, 2007

Rating	Feed Supplies			Stock Water Supplies		
	This Week	Last Year	5 Yr. Avg.	This Week	Last Year	5 Yr. Avg.
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	1	13	12	10	24	20
Short	7	33	21	13	29	23
Adequate	86	51	63	69	45	53
Surplus	6	3	4	8	2	4

## Soil Moisture Condition Comparison as of July 8, 2007

Rating	Topsoil			Subsoil		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	6	3	34	8	5	36
Short	31	14	37	17	11	29
Adequate	58	74	29	68	74	34
Surplus	5	9	0	7	10	1

## Crop and Livestock Conditions as of July 8, 2007

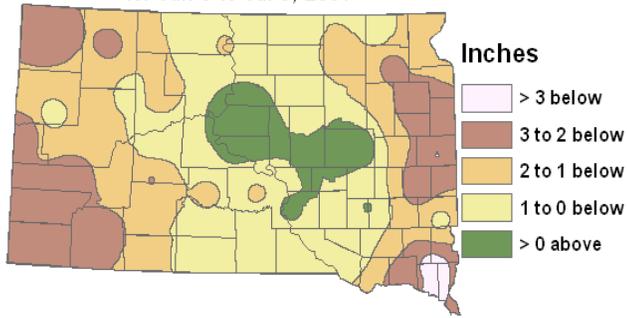
Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Winter Wheat	2	6	20	48	24
Spring Wheat	1	4	21	51	23
Barley	1	3	12	54	30
Oats	0	3	17	58	22
Corn	1	2	15	56	26
Soybeans	1	3	18	58	20
Sorghum	1	2	20	72	5
Sunflower	1	4	29	60	6
Alfalfa	3	4	22	56	15
Cattle	0	0	11	63	26
Sheep	0	0	9	50	41
Range & Pasture	2	5	22	55	16

## Crop Progress as of July 8, 2007<sup>1</sup>

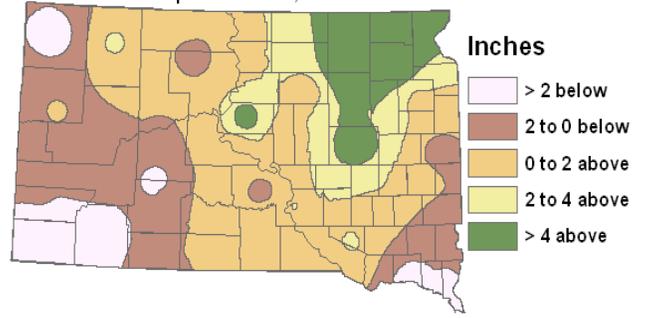
Item	This Week	Last Week	Last Year	5-Yr Avg.
	Percent	Percent	Percent	Percent
<b>Winter Wheat</b>				
Turning Color	98	85	98	90
Ripe	52	11	72	35
Harvested	13	1	35	10
<b>Barley</b>				
Headed	98	85	98	92
Turning Color	35	11	38	29
Ripe	1	0	2	2
<b>Oats</b>				
Headed	99	91	97	94
Turning Color	55	21	50	32
Ripe	6	1	7	5
Harvested	1	0	3	2
<b>Spring Wheat</b>				
Headed	99	90	99	97
Turning Color	37	9	69	39
Ripe	1	0	8	5
Harvested	0	0	1	1
<b>Corn</b>				
Ave. Height (in.)	53	38	49	39
2nd cult./spray	81	58	85	70
Tasseled	15	2	7	2
Silked	1	0	0	0
<b>Soybeans</b>				
Blooming	31	14	37	24
Setting Pods	3	0	2	1
<b>Sorghum</b>				
Headed	8	0	2	3
<b>Sunflower</b>				
Planted	99	92	100	100
Blooming	1	0	0	0
<b>Alfalfa</b>				
1st Cutting	96	88	94	91
2nd Cutting	26	9	29	21
<b>Other Hay</b>				
Cut	63	53	69	56

<sup>1</sup> Percents represent all acreage in or beyond each stage.

Accumulated Precip Departure from Normal  
for Jun 9 to Jul 8, 2007



Accumulated Precip Departure from Normal  
for Apr 1 to Jul 8, 2007



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
**Week Ending Sunday, July 8, 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>		
<b>Northwest</b>											
Bison	79	8	106	60	0.42	13.55	10.69	0.56	2.37	1,191	128
Buffalo	79	11	103	58	0.07	7.45	5.35	-5.09	-3.27	1,076	219
Dupree	77	5	108	55	0.37	12.92	9.69	-0.49	0.74	1,264	174
McIntosh	73	2	98	57	1.15	12.86	9.49	1.00	1.55	1,166	79
Newell	78	6	100	57	0.45	11.33	8.01	-0.54	0.23	1,169	120
Timber Lake	74	3	103	58	0.63	12.04	7.55	-1.67	-1.20	1,210	144
<b>North Central</b>											
Aberdeen	75	4	103	57	0.03	22.37	18.11	8.47	9.27	1,281	186
Faulkton	75	4	107	58	0.07	14.06	9.14	0.06	0.60	1,245	139
Mobridge	77	5	108	54	0.25	11.88	8.17	-0.23	0.31	1,291	202
Roscoe	75	5	105	58	0.44	15.46	11.53	1.21	2.23	1,167	178
<b>Northeast</b>											
Britton	76	5	98	62	0.42	19.62	15.30	5.68	6.32	1,359	261
Clear Lake	74	4	97	56	0.02	17.50	11.21	-0.25	0.57	1,195	204
Sisseton	74	3	100	57	0.21	20.17	13.48	4.88	4.50	1,277	197
Watertown	74	5	100	53	0.02	16.27	10.96	1.26	1.52	1,263	301
Webster	73	3	97	59	0.35	21.63	14.90	7.27	5.98	1,189	181
<b>West Central</b>											
Faith	78	6	110	58	1.25	12.55	8.92	-0.64	0.44	1,213	78
Milesville	79	6	110	60	0.12	12.90	8.80	-1.32	-0.47	1,319	141
Philip	81	8	110	58	0.00	9.78	5.86	-2.86	-2.56	1,382	194
Rapid City	80	10	105	60	0.02	8.70	6.48	-3.80	-1.77	1,148	173
Spearfish	78	8	100	59	0.77	13.84	9.88	-3.19	-0.69	1,250	264
<b>Central</b>											
Chamberlain	80	7	106	62	0.00	18.62	12.24	2.65	2.02	1,382	219
Highmore	77	5	106	59	0.10	14.64	10.49	-0.30	0.79	1,232	119
Huron	77	5	104	59	0.02	20.84	15.59	5.86	6.21	1,378	222
Onida	77	5	108	56	0.17	19.34	14.00	5.12	5.36	1,263	142
Pierre	79	5	109	55	0.13	14.78	10.63	0.24	1.16	1,323	98
<b>East Central</b>											
Brookings	74	4	98	53	0.02	13.65	8.49	-1.57	-1.66	1,241	221
Forestburg	76	2	102	59	0.00	19.40	13.40	3.28	3.28	1,426	146
Madison	75	5	99	55	0.00	17.10	11.42	-0.04	0.87	1,294	273
Mitchell	78	5	103	63	0.00	17.99	11.14	1.58	0.80	1,409	201
Sioux Falls	76	4	98	60	0.00	19.46	9.46	2.48	-0.88	1,393	234
<b>Southwest</b>											
Custer	71	6	97	52	0.37	10.65	7.55	-3.44	-1.79	862	130
Hot Springs	78	8	104	58	0.00	8.39	5.75	-3.99	-2.76	1,292	158
Oelrichs	79	7	103	59	0.00	6.60	4.59	-6.17	-3.92	1,293	152
Porcupine	79	7	102	55	0.26	9.21	6.13	-3.50	-2.30	1,286	179
<b>South Central</b>											
Kennebec	79	4	107	58	0.00	14.41	8.15	1.15	-0.69	1,537	197
Mission	79	7	106	58	0.00	16.35	10.20	1.94	0.49	1,331	254
Murdo	81	8	105	64	0.00	14.24	9.53	-0.68	0.16	1,299	157
Winner	80	5	104	61	0.00	19.80	12.15	2.75	1.40	1,396	42
<b>Southeast</b>											
Armour	77	3	100	60	0.00	20.70	12.77	3.78	2.34	1,491	126
Centerville	77	4	99	59	0.00	15.48	9.04	-1.84	-1.98	1,421	182
Pickstown	77	3	102	60	0.00	18.81	11.48	2.21	0.73	1,394	136
Vermillion	77	2	97	56	0.00	16.03	7.72	-1.63	-3.32	1,565	121
Yankton	77	4	101	61	0.19	17.66	8.17	0.09	-3.06	1,421	149

DATA AND MAP SOURCE: State Climate Office of South Dakota