

# South Dakota Weekly Crop Weather Report

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For Week Ending July 4, 2010  
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AGRICULTURAL EXTENSION SERVICE and  
U.S. DEPARTMENT OF AGRICULTURE  
FARM SERVICE AGENCY

## AGRICULTURAL SUMMARY

For the weekend, ending July 4, 2010, mostly sunny and dry conditions were exactly what the state needed last week to help dry soils and give crop development a boost. Wind was also reported around the South Dakota area, making it difficult to spray fields. These conditions left an average of 5.5 days suitable for fieldwork for the week. Field pests continue to increase in parts of the state as the grasshopper, weevil, looper, and caterpillars take a toll on crops. Planting is winding down with spraying now taking the majority of time. Farm activities focused on finishing sorghum and sunflower planting, as well as harvesting hay and spraying.

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

## WEATHER INFORMATION

Warmer conditions covered the state during the week with average temperatures in the 70s, according to the State Climate Office of South Dakota. All but the far southeast corner was 2 - 9° F above average. The state saw its first 100° F temperatures with three stations reaching or exceeding that milestone. All other stations reached the upper 80s to 90s during the week. Philip reported the highest temperature at 102° F; Custer reported the lowest temperature at 46° F.

Overall the state was quite dry for the week, especially in the west. Stations in the south central to southeast were the only ones above average. Eight stations reported over 1 inch of precipitation for the week. Aberdeen had the highest total at 1.91 inches. Other unofficial reports had totals well over 2 inches in the Aberdeen area. Sioux Falls reported heavy rainfall, but after the end of the official accumulation period for the week. Much of the rest of the state was quite dry during the week. Twelve stations reported no precipitation.

Despite the dry conditions most of the state is still well above average in precipitation except for pockets in parts of the state. Five stations are over 5 inches above average since April 1. Growing degree day accumulations are 5-10 days ahead in much of the row crop area of the state.

## SOIL CONDITION

Topsoil conditions are 92 percent adequate to surplus, 21 percentage points above the previous year. Subsoil is 96 percent adequate to surplus, 30 percentage points above the previous year.

## FIELD CROPS REPORT

Weather conditions were great in aiding crop development last week, most of which consisted of sunshine and warm weather. Average corn height is 37 inches, which increased 14 inches from the previous week and 4 inches above the five-year average. Soybeans are developing on average pace as 13 percent are now blooming compared to 14 percent for the five-year average. Spring wheat is also making great progress, now at 97 percent booted, 2 points above the previous year and 1 point behind the five-year average. Winter wheat is continuing to develop as well, now 71 percent turning color, 5 percentage points ahead of the previous year but 5 points behind the five-year average.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Pastures are rated 89 percent in good to excellent condition, 20 percentage points above the five-year average. Pastures dried out due to warm weather and windy conditions for most of the week. Cattle are rated 88 percent in the good to excellent condition. Sheep are rated 85 percent in the good to excellent condition, down 5 percent from the five-year average. Feed supplies are rated at 99 percent adequate to surplus, up 3 points from last year.

## Feed and Water Supplies Comparison as of July 4, 2010

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	0	0	3	0	0	8
Short	1	4	10	1	4	13
Adequate	79	89	79	58	86	68
Surplus	20	7	7	41	10	11

## Soil Moisture Condition Comparison as of July 4, 2010

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	1	0	3	0	1	5
Short	7	2	26	4	2	28
Adequate	61	56	64	69	57	63
Surplus	31	42	7	27	40	3

## Crop and Livestock Conditions as of July 4, 2010

Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	0	1	14	59	26
Spring Wheat	0	2	24	57	17
Barley	0	1	23	63	13
Oats	0	2	15	67	16
Corn	2	5	18	55	20
Soybeans	2	7	18	59	14
Sorghum	0	0	10	63	27
Sunflower	0	1	31	54	14
Alfalfa	0	4	18	64	14
Cattle	0	2	10	68	20
Sheep	0	0	15	55	30
Range & Pasture	0	2	9	62	27

## Crop Progress as of July 4, 2010 <sup>1</sup>

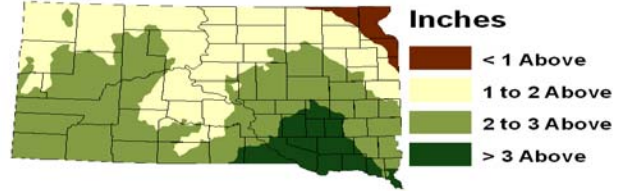
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
<b>Winter Wheat</b>				
Turning Color	71	40	66	76
<b>Barley</b>				
Boot	98	94	95	96
Headed	61	42	70	79
Turning Color	3	0	4	14
<b>Oats</b>				
Boot	93	88	97	97
Headed	78	64	73	83
Turning Color	27	12	4	20
<b>Spring Wheat</b>				
Boot	97	88	95	98
Headed	89	60	76	87
Turning Color	15	2	4	18
<b>Corn</b>				
Ave. Height (in.)	37	23	24	33
1st cult./spray	97	85	90	96
2nd cult./spray	50	25	36	54
Tasseled	0	0	0	2
<b>Soybeans</b>				
Emerged	99	94	100	99
Blooming	13	2	16	14
<b>Sorghum</b>				
Emerged	99	85	95	94
Headed	0	0	1	1
<b>Sunflower</b>				
Planted	99	82	97	97
<b>Alfalfa</b>				
1st Cutting	81	57	86	86
2nd Cutting	15	4	8	12
<b>Other Hay</b>				
Cut	39	30	44	51

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

**PAST 30 DAYS**  
Accumulated Precip Deviation from Average  
From June 5 to July 4, 2010



**GROWING SEASON**  
Accumulated Precip Deviation from Average  
From April 1 to July 4, 2010



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
Week Ending Sunday, July 4, 2010

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		
	Degrees	Degrees	Degrees	Degrees	Inches	Inches	Inches	Inches	Inches		
<b>Northwest</b>											
Bison	76	7	97	55	0.00	15.77	9.84	2.66	1.73	940	-19
Buffalo	73	5	96	54	0.34	11.56	8.42	0.06	0.68	825	-20
Dupree	75	4	94	54	0.00	20.69	16.02	7.61	7.40	1,011	28
McIntosh	76	6	99	55	0.00	12.22	6.06	0.67	-1.57	1,020	38
Newell	74	4	100	52	0.00	12.84	8.87	0.92	1.04	840	-101
Timber Lake	76	6	98	54	0.00	13.72	8.04	0.37	-0.35	1,013	73
<b>North Central</b>											
Aberdeen	74	4	90	54	1.91	23.44	14.97	9.92	6.51	1,121	129
Faulkton	74	4	91	53	0.52	18.70	8.44	5.01	0.21	1,072	74
Mobridge	77	6	100	56	0.00	14.82	7.90	1.93	3.03	1,057	78
Roscoe	73	4	91	54	0.05	19.58	10.07	5.73	1.17	1,042	153
<b>Northeast</b>											
Britton	75	5	92	51	0.45	17.09	7.20	3.62	-1.31	1,108	115
Clear Lake	71	1	87	52	0.00	26.36	10.92	10.09	1.63	1,056	168
Sisseton	73	3	89	49	0.56	23.07	8.86	8.22	-0.41	121	148
Watertown	71	2	88	49	0.63	20.22	9.64	5.60	0.59	1,071	208
Webster	73	3	87	55	0.81	19.76	9.13	5.88	0.69	1,039	133
<b>West Central</b>											
Faith	74	3	96	55	0.00	14.65	10.56	1.84	2.46	980	-42
Milesville	76	4	96	55	0.00	20.70	11.93	6.88	3.42	1,061	-4
Philip	78	6	102	53	0.02	14.75	8.74	2.41	0.62	1,062	-14
Rapid City	73	4	91	52	0.01	16.98	13.52	4.74	5.53	856	-18
Spearfish	79	9	96	58	0.00	16.25	8.73	-0.44	-1.50	960	76
<b>Central</b>											
Chamberlain	76	4	92	58	0.22	21.00	12.80	5.41	2.96	1,166	117
Highmore	74	4	92	55	0.43	16.97	8.74	4.11	0.77	999	-6
Huron	75	4	90	57	1.15	23.92	14.82	9.33	5.83	1,195	150
Onida	75	4	94	55	0.10	18.02	10.19	4.14	1.89	1,010	-1
Pierre	76	3	97	56	0.10	19.66	10.97	5.50	1.88	1,087	-21
<b>East Central</b>											
Brookings	71	2	86	52	1.08	24.31	14.56	9.54	4.86	1,070	149
Forestburg	75	3	89	61	1.47	26.93	16.79	11.21	7.07	1,245	83
Madison	71	2	87	54	1.22	21.25	11.93	4.53	1.80	1,070	150
Mitchell	75	3	90	58	1.37	24.31	14.21	8.21	4.18	1,295	203
Sioux Falls	73	2	88	53	0.00	24.03	12.75	7.43	2.79	1,175	126
<b>Southwest</b>											
Custer	66	2	86	46	0.05	12.63	9.08	-1.07	0.13	552	-105
Hot Springs	73	4	93	54	0.24	21.16	15.37	9.14	7.22	947	-87
Oelrichs	75	4	98	54	0.03	18.94	12.80	6.48	4.60	962	-69
Porcupine	76	5	96	51	0.00	19.86	10.10	7.52	2.04	941	-59
<b>South Central</b>											
Kennebec	78	4	96	56	0.46	19.83	12.22	7.05	3.76	1,245	24
Mission	76	4	94	55	0.33	17.22	9.86	3.21	0.55	1,041	73
Murdo	78	6	98	58	0.93	19.45	10.89	4.93	1.92	1,104	76
Winner	77	3	96	57	0.10	17.08	9.86	-0.69	-1.51	1,133	-104
<b>Southeast</b>											
Academy	75	3	91	58	1.50	17.58	10.40	1.50	0.18	1,121	106
Centerville	72	-1	86	54	0.09	15.81	6.44	-1.05	3.26	1,263	142
Pickstown	75	2	90	59	1.10	18.18	9.94	1.96	-0.43	1,130	-8
Vermillion	75	0	88	53	0.86	21.81	11.83	4.60	1.24	1,416	92
Yankton	74	0	89	55	0.88	26.17	13.69	9.06	2.92	1,291	138

DATA AND MAP SOURCE: State Climate Office of South Dakota