

# South Dakota Weekly Crop Weather Report

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For Week Ending July 3, 2011  
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National Agricultural Statistics Service  
South Dakota Field Office  
P.O. Box 5068  
Sioux Falls, SD 57117-5068  
Cooperating with:  
SOUTH DAKOTA STATE UNIVERSITY  
AGRICULTURAL EXTENSION SERVICE and  
U.S. DEPARTMENT OF AGRICULTURE  
FARM SERVICE AGENCY

## AGRICULTURAL SUMMARY

A variable weather pattern across the state for the past week, allowed for 4.9 days suitable for fieldwork in the past seven days. Some farmers were able to cut hay, finish planting soybeans and sunflowers, and spray corn fields. Others spent the week repairing fences, roads, and assessing rain and storm damages. Crop development made good progress last week with the warm dry days we did have. Farm activities included finishing planting of row crops, applying some fertilizer, herbicides, and pesticides, small amounts of haying, and repairing fences.

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

## WEATHER INFORMATION

Storms transitioned to more of a summer pattern with precipitation and severe weather still occurring, according to the State Climate Office of South Dakota, but becoming more sporadic during the week. Several locations statewide saw hail and strong wind events with some crop damage reported. Several places did receive heavier rains again, also. Madison reported the largest total for the week at 2.32 inches. Not far away, Sioux Falls received the least precipitation at 0.07 inches for the week as much of the southeast reported below average totals for the week. Precipitation totals since October 1 and April 1 are running ahead of average over nearly the whole state.

Temperatures were much closer to average for the first time in the growing season. Daily temperatures broke into the 100°s F in several locations and 90°s F over nearly all the state in the middle of the week. Average temperatures were in the 70°s F, generally, which were within a 1-2° F of average over the state. The high for the week was 100° F at Hot Springs. The low for the week was 40° F at Custer.

## FIELD CROPS REPORT

Rain and storms brought mixed conditions the past week. Parts of the state fared well this week with warm, dry weather conditions, while others will be assessing storm damaged fields. Average corn height is now 22 inches, but behind 35 inches for the previous year. Soybeans are 1 percent in the blooming stage, behind the 5-year average of 13 percent. Small grains also made progress. Spring wheat is 93 percent in the boot stage and 50 percent headed, lagging behind the averages of 97 and 83 percent respectively. Winter wheat growth made strides with 92 percent headed, but still behind the previous year of 99 percent. Winter wheat turning color at 28 percent is severely behind the 5-year average of 70 percent. Oats are 89 percent in the boot stage, behind last year's average of 92 percent. 1<sup>st</sup> cutting of alfalfa is catching up with averages, now 76 percent complete, just behind the previous year of 78 percent.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Livestock seem to be dealing well with the heat, insects and wet conditions. Eighty-nine percent of the cattle are rated in good to excellent condition along with 83 percent of the sheep rated good to excellent. Pasture conditions continue to remain mostly in the good to excellent condition, with adequate water supplies. Feed supplies remain steady with 97 percent rated adequate to surplus, still ahead of the 5-year average of 87 percent. Stock water supplies also continue to be stable at 99 percent rate adequate to surplus, ahead of 83 percent on the 5-year average.

## Feed and Water Supplies Comparison as of July 3, 2011

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	7
Short	3	1	10	1	1	10
Adequate	83	80	78	57	59	67
Surplus	14	19	9	42	40	16

## Soil Moisture Condition Comparison as of July 3, 2011

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	0	0	1	0	0	0
Short	1	0	6	1	0	4
Adequate	62	54	60	62	55	67
Surplus	37	46	33	37	45	29

## Crop and Livestock Conditions as of July 3, 2011

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	2	25	52	21
Spring Wheat	0	1	32	56	11
Barley	0	0	21	71	8
Oats	0	2	18	70	10
Corn	2	6	23	56	13
Soybeans	2	6	24	56	12
Sorghum	0	0	7	77	16
Sunflower	0	1	44	45	10
Alfalfa	1	3	22	60	14
Cattle	0	1	10	72	17
Sheep	0	1	16	69	14
Range & Pasture	1	3	11	56	29

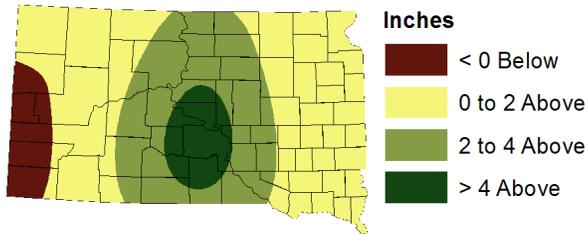
## Crop Progress as of July 3, 2011 <sup>1</sup>

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>				
Headed	92	84	99	99
Turning Color	28	6	67	70
<b>Barley</b>				
Boot	91	47	97	95
Headed	12	4	58	71
<b>Oats</b>				
Boot	89	73	92	96
Headed	54	36	76	79
<b>Spring Wheat</b>				
Boot	93	82	96	97
Headed	50	27	85	83
<b>Corn</b>				
Ave. Height (in.)	22	13	35	32
1st cult./spray	90	76	95	95
2nd cult./spray	30	17	46	51
<b>Soybeans</b>				
Emerged	99	85	98	99
Blooming	1	0	11	13
<b>Sorghum</b>				
Emerged	93	70	97	95
Headed	0	0	0	1
<b>Sunflower</b>				
Planted	97	88	97	97
<b>Alfalfa</b>				
1st Cutting	76	60	78	83
2nd Cutting	8	1	13	12
<b>Other Hay</b>				
Cut	38	25	38	48

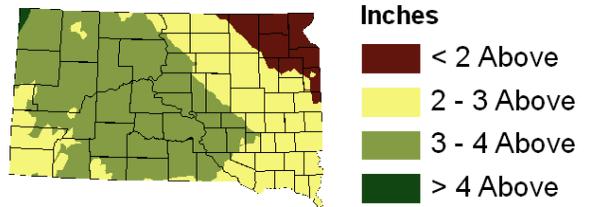
<sup>1</sup> Percents represent all acreage in or beyond each stage.

ADDRESS SERVICE REQUESTED

**PAST 30 DAYS**  
Accumulated Precip Deviation from Average  
From June 4 to July 3, 2011



**GROWING SEASON**  
Accumulated Precip Deviation from Average  
From April 1 to July 4, 2011



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
Week Ending Sunday, July 3, 2011

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	69	0	94	46	0.58	13.89	9.38	1.28	1.44	776	-196
Buffalo	68	1	97	47	1.28	14.65	10.99	3.27	3.30	660	-235
Dupree	70	0	91	49	0.34	18.67	12.63	5.68	4.10	796	-264
McIntosh	67	-2	91	47	1.28	13.19	9.29	1.73	1.61	788	-225
Newell	69	-1	97	49	0.41	15.11	10.45	2.87	2.51	721	-239
Timber Lake	72	3	92	51	0.55	18.55	12.45	5.29	4.15	854	-166
<b>North Central</b>											
Aberdeen	72	2	96	51	1.58	17.51	11.23	4.17	2.95	892	-157
Faulkton	70	0	96	49	0.80	18.70	12.66	6.68	4.53	834	-245
Mobridge	68	-2	88	48	0.63	15.27	10.06	2.73	2.67	795	-230
Roscoe	69	0	93	53	0.97	18.47	11.41	4.72	2.61	755	-161
<b>Northeast</b>											
Britton	72	3	97	51	1.08	16.22	8.30	2.84	-0.08	959	-143
Clear Lake	70	1	91	52	0.50	19.97	11.68	2.88	1.65	743	-294
Sisseton	73	3	96	51	0.62	18.74	9.58	4.00	1.15	857	-217
Watertown	71	2	94	50	0.65	18.06	9.27	3.64	0.47	782	-227
Webster	72	3	95	53	0.43	19.31	8.46	5.35	-0.06	815	-202
<b>West Central</b>											
Faith	68	-3	90	49	0.42	15.45	10.15	2.78	2.64	735	-304
Milesville	70	1	92	49	0.60	16.27	11.69	2.55	2.92	836	-257
Philip	70	-2	96	50	0.97	15.20	10.78	3.10	2.84	880	-209
Rapid City	68	0	98	47	0.48	15.42	11.45	3.32	3.64	744	-216
Spearfish	70	1	99	49	0.27	16.30	10.30	0.76	1.22	783	-117
<b>Central</b>											
Chamberlain	73	2	96	53	1.07	17.02	12.85	6.50	2.98	982	-168
Highmore	70	0	93	51	0.80	14.68	10.17	4.94	2.23	789	-320
Huron	73	2	98	51	0.90	17.53	10.78	3.09	2.00	968	-131
Onida	70	1	91	50	0.65	16.49	10.51	2.53	2.31	843	-280
Pierre	69	-3	93	50	1.35	20.73	14.09	6.74	5.22	876	-255
Wessington Spr.	72	-1	99	53	0.62	19.18	13.14	3.64	3.70	940	-231
<b>East Central</b>											
Brookings	71	2	91	50	1.13	18.68	12.49	4.03	2.91	839	-118
Madison	71	2	91	49	2.32	17.58	12.38	0.97	2.36	862	-185
Mitchell	75	3	98	53	0.37	18.40	12.79	3.31	3.79	1,044	-107
Sioux Falls	72	1	91	51	0.07	18.55	12.77	2.10	3.03	969	-159
<b>Southwest</b>											
Custer	63	0	90	40	0.69	16.53	10.74	2.97	2.01	560	-141
Hot Springs	71	2	100	46	0.81	14.40	10.30	2.37	2.14	920	-157
Oelrichs	69	-2	98	48	0.80	12.43	9.64	0.17	1.52	857	-219
Porcupine	68	-2	97	45	1.12	17.78	11.12	5.54	3.16	822	-266
<b>South Central</b>											
Kennebec	73	-1	95	48	0.58	15.44	11.27	2.66	2.91	1,006	-228
Mission	70	-1	96	48	1.77	22.47	17.46	8.56	8.25	850	-166
Murdo	71	0	97	50	1.64	20.26	14.75	5.84	5.88	860	-246
Winner	72	-2	96	51	0.90	16.55	12.81	2.23	2.69	985	-268
<b>Southeast</b>											
Academy	71	-1	97	52	0.23	19.38	16.39	3.40	6.27	918	-234
Centerville	74	1	95	50	0.19	16.96	13.53	1.12	2.98	998	-150
Pickstown	72	-1	97	51	0.11	16.43	10.68	0.33	0.43	1,078	-115
Vermillion	75	0	96	51	0.66	16.22	11.53	-0.88	1.05	1,206	-143
Yankton	73	1	96	51	1.48	21.44	14.86	4.45	4.21	1,092	-106

DATA AND MAP SOURCE: State Climate Office of South Dakota