

# South Dakota Weekly Crop Weather Report

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Cooperating with:  
SOUTH DAKOTA STATE UNIVERSITY  
AGRICULTURAL EXTENSION SERVICE and  
U.S. DEPARTMENT OF AGRICULTURE  
FARM SERVICE AGENCY

## AGRICULTURAL SUMMARY

Warmer weather aided in the growth and development of all crops, and improved the conditions of livestock and pasture. There were 5.2 days suitable for field work this week. Major farm activities included finishing up of row crop planting, first hay cutting, and spraying of weeds but in some areas rain has made these activities a challenge.

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

## WEATHER INFORMATION

Warmer than average temperatures helped to spur crop development across the whole state, according to the State Climate Office of South Dakota. Statewide temperatures were generally near to 6° F above average for the week helping decrease some of the GDD shortfall so far this growing season. Mission reported the highest temperature at 100° F. Porcupine reported the lowest at 36° F.

Unfortunately, severe weather also impacted much of the state during the last week. Numerous strong storms with tornadoes, large hail and strong winds across the state produced some severe crop damage reported in National Weather Service storm reports. The storms also brought heavy rain to certain areas, particularly east of the Missouri River. Little rain fell in the far southwest. Clear Lake reported the highest total at 2.05 inches. Three stations in the southwest reported no precipitation. The additional precipitation helped to remove small areas of D0 from the US Drought Monitor in the southeast.

## SOIL CONDITION

Topsoil moisture is at 68 percent in the adequate to surplus categories, dropping 3 percentage points from last week. Subsoil moisture is at 70 percent in the adequate to surplus categories for this week, behind the five-year average by 5 percentage points.

## FIELD CROPS REPORT

Sorghum is 97 percent planted, up 4 percentage points from last week, and equal to last year's average. Eighty-six percent of sorghum is emerged, an increase of 19 percentage points. Soybeans are 100 percent planted and 98 percent emerged. Two percent of soybeans have bloomed which is equal to last year's average. Sunflowers are at 94 percent planted, up 12 percentage point from last week. Fifty-eight percent of spring wheat is headed, up 19 percentage points from last week and ahead of last years average by 11 percentage points. Winter wheat is 96 percent headed this week, behind the five-year average by 3 percentage points. The average height of corn this week is 16 inches, equal to last year's average height but behind the five-year average height of 23 inches. Eighty-one percent of the corn crop has been cultivated/sprayed once, this is behind the five-year average by 11 percentage points.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Cattle this week rated at 87 percent in the good to excellent conditions, up 2 percentage points from last week. Sheep rate at 88 percent in the good to excellent conditions, equal to the

### Feed and Water Supplies Comparison as of June 28, 2009

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	1	1	6	0	1	12
Short	6	4	13	4	5	16
Adequate	86	84	74	88	76	63
Surplus	7	11	7	8	18	9

rating five-years ago. Seventy-nine percent of range and pasture are rated in good to excellent conditions, a 6 percentage point increase from last week and ahead of the 63 percent rating five-years ago.

### Soil Moisture Condition Comparison as of June 28, 2009

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	7	1	2	6	1
Short	29	22	7	28	22	7
Adequate	63	64	80	66	68	82
Surplus	5	7	12	4	4	10

### Crop and Livestock Conditions as of June 28, 2009

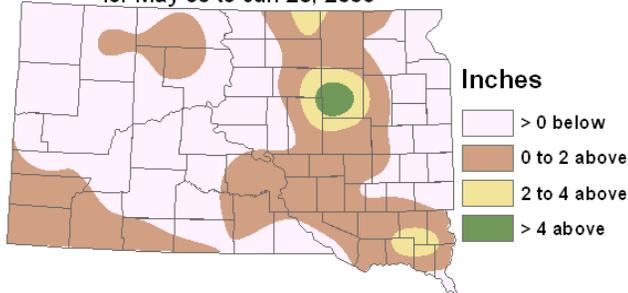
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	1	10	27	52	10
Spring Wheat	0	5	22	56	17
Barley	0	1	17	69	13
Oats	0	1	17	65	17
Corn	0	10	19	60	11
Soybeans	0	2	34	56	8
Sorghum	0	2	24	64	10
Sunflower	0	5	21	67	7
Alfalfa	0	5	21	63	11
Cattle	0	2	11	66	21
Sheep	0	1	11	62	26
Range & Pasture	0	4	17	63	16

### Crop Progress as of June 28, 2009 <sup>1</sup>

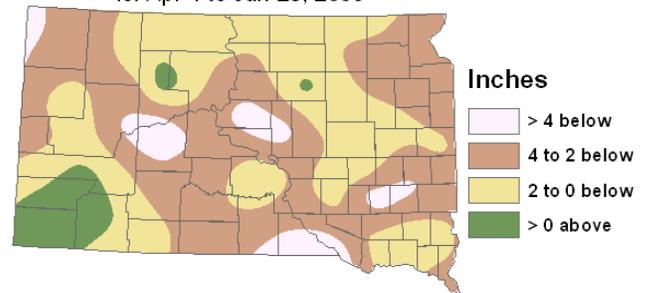
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
<b>Winter Wheat</b>				
Headed	96	88	95	99
Turning Color	25	4	16	52
Ripe	0	0	0	6
<b>Barley</b>				
Boot	87	78	72	91
Headed	64	36	28	60
Turning Color	1	0	0	5
<b>Oats</b>				
Boot	93	76	83	93
Headed	64	30	39	67
Turning Color	0	0	1	8
<b>Spring Wheat</b>				
Boot	92	78	88	96
Headed	58	39	47	74
Turning Color	1	0	1	7
<b>Corn</b>				
Ave. Height (in.)	16	10	16	23
1st cult./spray	81	68	87	92
2nd cult./spray	18	11	24	36
Tasseled	0	0	0	0
<b>Soybeans</b>				
Emerged	98	90	93	96
Blooming	2	0	2	4
<b>Sorghum</b>				
Planted	97	93	97	96
Emerged	86	67	79	84
Headed	0	0	0	0
<b>Sunflower</b>				
Planted	94	82	92	93
<b>Alfalfa</b>				
1st Cutting	77	51	63	73
2nd Cutting	1	0	1	5
<b>Other Hay</b>				
Cut	29	16	33	36

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

**PAST 30 DAYS**  
Accumulated Precip Deviation from Average  
for May 30 to Jun 28, 2009



**GROWING SEASON**  
Accumulated Precip Deviation from Average  
for Apr 1 to Jun 28, 2009



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
Week Ending Sunday, June 28, 2009

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	68	0	90	46	0.21	15.49	5.52	3.35	-1.95	758	-100
Buffalo	68	3	91	48	0.07	10.59	4.10	-1.09	-3.65	665	-22
Dupree	70	1	92	50	1.78	15.79	8.39	3.26	0.32	820	-61
McIntosh	68	0	89	52	0.73	13.10	5.89	2.10	-1.19	713	-168
Newell	70	2	92	56	0.10	12.13	5.64	1.01	-1.39	705	-134
Timber Lake	70	1	89	49	0.57	15.13	6.44	2.33	-1.40	826	-34
<b>North Central</b>											
Aberdeen	72	3	92	53	1.13	14.40	5.82	1.55	-1.97	820	-68
Faulkton	70	1	90	54	0.65	14.44	7.69	1.30	0.01	825	-70
Mobridge	71	2	92	50	0.22	12.01	5.37	0.73	-1.66	797	-76
Roscoe	70	2	89	54	0.72	14.74	7.10	1.50	-1.19	769	-22
<b>Northeast</b>											
Britton	70	1	92	55	1.12	17.41	6.02	4.66	-1.77	754	-142
Clear Lake	71	3	91	55	2.05	17.98	6.16	1.50	-3.21	744	-50
Sisseton	72	3	93	55	0.76	16.56	4.82	2.37	-3.06	831	-42
Watertown	73	6	93	57	0.98	14.49	5.64	0.58	-2.70	768	-1
Webster	72	4	90	55	0.89	14.02	4.39	0.87	-3.32	774	-32
<b>West Central</b>											
Faith	71	1	93	50	0.45	11.13	5.34	-1.14	-2.22	730	-184
Milesville	71	1	97	47	0.38	10.35	3.25	-2.87	-5.02	850	-105
Philip	73	3	97	48	0.42	10.47	4.03	-1.36	-3.58	879	-87
Rapid City	68	0	93	44	0.63	13.51	7.38	1.77	-0.11	690	-88
Spearfish	72	5	92	56	0.30	15.92	6.34	-0.18	-3.30	798	11
<b>Central</b>											
Chamberlain	76	5	94	54	1.55	13.47	6.76	-1.49	-2.45	929	-10
Highmore	74	4	94	52	0.58	9.55	4.17	-4.29	-4.43	825	-76
Huron	74	4	90	53	0.78	16.97	7.49	3.00	-0.88	891	-44
Onida	70	1	89	49	0.32	9.72	3.42	-3.55	-4.27	817	-88
Pierre	74	3	96	52	1.01	11.57	4.97	-1.93	-3.46	876	-117
<b>East Central</b>											
Brookings	73	5	90	56	1.52	15.61	7.18	1.59	-1.77	782	-41
Forestburg	76	4	92	56	1.17	16.34	8.03	1.23	-1.08	1,010	-39
Madison	73	5	90	55	0.78	13.36	5.81	-2.69	-3.65	866	44
Mitchell	77	5	94	56	1.13	14.55	5.26	-0.86	-4.08	992	13
Sioux Falls	74	4	90	56	0.88	15.82	6.49	-0.14	-2.83	927	-14
<b>Southwest</b>											
Custer	65	3	87	42	0.00	11.81	8.15	-1.28	-0.19	503	-85
Hot Springs	71	3	94	42	0.00	12.65	8.52	1.17	0.91	869	-64
Oelrichs	70	1	98	42	0.00	15.23	8.29	3.25	0.57	827	-104
Porcupine	66	-2	96	36	0.73	15.01	7.52	3.25	0.04	803	-94
<b>South Central</b>											
Kennebec	75	2	93	51	1.89	13.56	7.22	1.26	-0.66	987	-121
Mission	78	8	100	61	0.42	12.70	6.03	-0.71	-2.68	846	-13
Murdo	75	4	93	54	0.16	12.84	5.60	-1.04	-2.73	866	-52
Winner	75	2	93	55	1.32	13.17	6.68	-2.77	-2.96	939	-178
<b>Southeast</b>											
Armour	75	2	92	55	1.75	13.93	7.05	-1.89	-2.28	944	-183
Centerville	76	4	95	51	0.59	18.37	9.09	2.25	-0.73	940	-69
Pickstown	75	3	93	52	0.23	13.09	4.71	-2.50	-5.03	943	-79
Vermillion	76	2	93	53	0.10	18.77	7.53	2.28	-2.34	1,085	-117
Yankton	77	6	96	58	0.59	20.30	9.87	3.91	-0.18	991	-47

DATA AND MAP SOURCE: State Climate Office of South Dakota