

# 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

Slight rain was seen around the state this past week, and the cold temperatures were slowing growth of planted crops. There were 5 days suitable for field work in the past week. Major farm activities included cutting alfalfa and other hay, spraying of weeds, and some planting continued as well.

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

## WEATHER INFORMATION

A relatively quiet week ended with most locations in the state receiving more than 0.5 inch of precipitation and significantly cooler temperatures, according to the State Climate Office of South Dakota. East and north central SD received around half inch of rainfall or less. The northwest part of the state received more than 1 inch with areas around Buffalo receiving as much as 1.24 inches whereas locations in central SD, such as Pierre and Chamberlain, received between 0.8 inch and 0.9 inch of precipitation. Areas around Winner reported around 1.1 inches of the much needed rain. With over an inch of rainfall in Custer, reports of hail were received from the county. Certain east central locations, such as Brookings, reported heavy precipitation late Sunday night (7<sup>th</sup> June) and into early hours Monday. These precipitation reports will appear as a part of next week's report. While precipitation this week has helped, the entire state continues to remain below average since April 1<sup>st</sup>.

The first week of June ended with abnormally cold temperatures. Records for the coldest day-time high were broken on the 6<sup>th</sup> at many locations. High temperatures on 6<sup>th</sup> and 7<sup>th</sup> in Sioux Falls were coldest on record for those respective days. Low temperature on the 4<sup>th</sup> in Rapid City was the coldest on record for the day. The entire state was between 3° and 14°F below average for the week. This has been the result of a strong Canadian high pressure over southern Canada bringing cold, dry air into SD. As a result, GDD accumulation in the entire state dropped below average.

## SOIL CONDITION

The colder than average temperatures this week resulted in lower soil temperatures. Average soil temperature for the week dropped 7°F from 66° to 59°F in Cottonwood. Soil temperatures remained in 50's and 60's this week. Topsoil moisture this week is at 60 percent in the adequate to surplus categories, an increase of 8 percentage points from last week. Subsoil moisture dropped slightly this week to 69 percent in the adequate to surplus categories, falling 4 percentage points.

## FIELD CROPS REPORT

Planting continues, as warmer temperatures are needed for growth and development of crops. Soybeans are at 88 percent planted, up from last week by 15 percentage points. Emerged soybeans are at 52 percent for the week, 18 percentage points up from last week. Eighty three percent of corn has emerged, up 27 percentage points from last week's emerged. Average corn height for the week was at 4 inches, up an inch from last week. Cultivating and spraying of corn is underway with 42 percent cultivated/sprayed once.

## Feed and Water Supplies Comparison as of June 7, 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	3	1	6	0	2	13
Short	9	9	16	4	11	18
Adequate	83	83	74	86	64	58
Surplus	5	7	5	10	23	11

## LIVESTOCK, PASTURE, AND RANGE REPORT

Warmer weather would be welcomed in the state for livestock and pasture conditions to remain favorable. Sheep conditions were at 79 percent in the good to excellent categories, a decrease from last week by 3 points. Cattle conditions dropped three points this past week and currently stand at 75 percent in good to excellent condition. Range and pasture conditions are at 67 percent in the good to excellent categories, dropping 3 percentage points for the week.

## Soil Moisture Condition Comparison as of June 7, 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	4	9	1	4	3	2
Short	36	39	3	27	24	8
Adequate	58	46	64	67	67	70
Surplus	2	6	32	2	6	20

## Crop and Livestock Conditions as of June 7, 2009

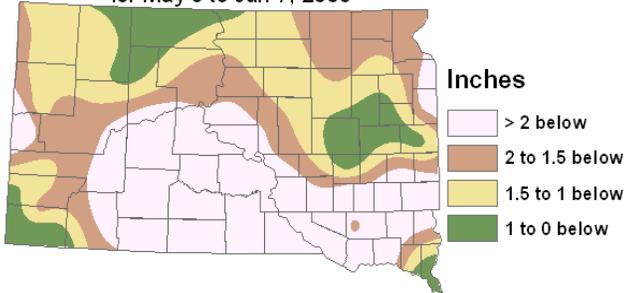
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	4	20	28	40	8
Spring Wheat	3	9	32	44	12
Barley	0	4	34	54	8
Oats	1	7	29	54	9
Corn	1	13	30	48	8
Soybeans	0	19	34	41	6
Alfalfa	2	7	31	52	8
Cattle	1	5	19	62	13
Sheep	0	4	17	63	16
Range & Pasture	3	7	23	57	10

## Crop Progress as of June 7, 2009 <sup>1</sup>

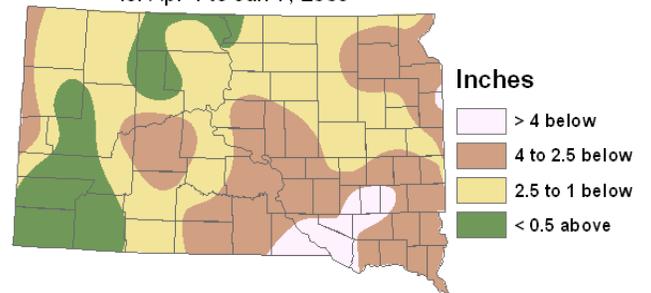
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
<b>Winter Wheat</b>				
Boot	81	59	77	92
Headed	31	6	21	58
<b>Barley</b>				
Emerged	95	92	93	98
Boot	21	5	5	25
Headed	1	0	0	2
<b>Oats</b>				
Emerged	98	94	96	99
Boot	19	5	16	38
Headed	1	0	0	5
<b>Spring Wheat</b>				
Boot	16	7	14	42
Headed	1	0	0	6
<b>Corn</b>				
Emerged	83	56	74	88
Ave. Height (in.)	4	3	3	6
1st cult./spray	42	20	26	40
2nd cult./spray	1	0	0	1
<b>Soybeans</b>				
Planted	88	73	78	84
Emerged	52	34	32	50
<b>Sorghum</b>				
Planted	81	58	58	61
Emerged	35	13	21	28
<b>Sunflower</b>				
Planted	40	23	23	39
<b>Alfalfa</b>				
1st Cutting	17	6	5	20
<b>Other Hay</b>				
Cut	4	0	1	5

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

PAST 30 DAYS  
Accumulated Precip Deviation from Average  
for May 9 to Jun 7, 2009



GROWING SEASON  
Accumulated Precip Deviation from Average  
for Apr 1 to Jun 7, 2009



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
Week Ending Sunday, June 7, 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	52	-11	77	37	1.33	13.74	3.77	3.58	-1.72	451	-58
Buffalo	48	-11	72	38	1.24	9.97	3.48	0.48	-2.08	378	-27
Dupree	54	-9	76	39	0.73	13.39	5.99	3.20	0.26	487	-36
McIntosh	50	-14	72	35	1.22	11.17	3.96	2.29	-1.00	402	-124
Newell	54	-8	83	38	0.89	10.71	4.22	1.53	-0.87	417	-71
Timber Lake	54	-9	76	38	1.14	12.44	3.75	1.86	-1.87	501	-5
<b>North Central</b>											
Aberdeen	54	-10	76	38	0.96	11.49	2.91	1.13	-2.39	473	-49
Faulkton	54	-10	73	42	0.96	10.94	4.19	-0.23	-1.52	489	-38
Mobridge	53	-11	74	38	0.96	10.68	4.04	1.46	-0.93	450	-55
Roscoe	56	-7	86	40	0.55	11.55	3.91	0.71	-1.98	440	-14
<b>Northeast</b>											
Britton	54	-10	81	31	0.50	14.26	2.87	3.94	-2.49	419	-123
Clear Lake	57	-6	83	40	0.40	14.46	2.64	1.03	-3.68	416	-30
Sisseton	55	-9	75	37	0.62	14.70	2.96	2.82	-2.61	457	-53
Watertown	52	-11	74	39	0.41	11.74	2.89	0.72	-2.56	417	-19
Webster	55	-9	74	41	0.50	11.65	2.02	0.98	-3.21	417	-37
<b>West Central</b>											
Faith	51	-13	69	40	1.08	10.45	4.66	0.11	-0.97	406	-129
Milesville	54	-11	80	40	0.72	9.43	2.33	-1.67	-3.82	512	-56
Philip	54	-10	78	42	0.40	9.10	2.66	-0.76	-2.98	520	-58
Rapid City	51	-11	74	35	0.56	11.30	5.17	1.53	-0.35	413	-43
Spearfish	54	-7	81	40	0.66	12.97	3.39	-0.46	-3.58	481	24
<b>Central</b>											
Chamberlain	58	-7	80	44	0.88	10.20	3.49	-2.41	-3.37	539	-14
Highmore	54	-10	74	41	0.51	8.05	2.67	-3.55	-3.69	466	-70
Huron	56	-9	78	42	0.98	13.60	4.12	1.94	-1.94	521	-25
Onida	52	-12	70	39	0.74	9.11	2.81	-1.96	-2.68	471	-66
Pierre	55	-10	75	42	0.84	10.20	3.60	-0.86	-2.39	508	-78
<b>East Central</b>											
Brookings	57	-6	86	40	0.25	12.13	3.70	1.14	-2.22	441	-30
Forestburg	59	-7	80	45	0.42	12.71	4.40	-0.09	-2.40	617	-16
Madison	56	-7	78	37	0.73	10.91	3.36	-2.47	-3.43	502	32
Mitchell	59	-6	81	44	0.59	11.88	2.59	-1.07	-4.29	582	15
Sioux Falls	58	-7	80	40	0.47	13.18	3.85	-0.34	-3.03	542	-17
<b>Southwest</b>											
Custer	50	-6	65	34	1.06	9.80	6.14	-1.09	0.00	289	-46
Hot Springs	56	-6	76	43	0.24	9.72	5.59	0.17	-0.09	559	-31
Oelrichs	54	-9	76	43	0.29	12.26	5.32	2.22	-0.46	522	-47
Porcupine	56	-7	85	35	0.47	12.39	4.90	2.70	-0.51	522	-23
<b>South Central</b>											
Kennebec	58	-9	86	41	0.59	9.21	2.87	-0.99	-2.91	614	-63
Mission	59	-5	89	44	0.66	10.31	3.64	-0.88	-2.85	488	-1
Murdo	58	-6	91	42	0.48	10.97	3.73	-0.57	-2.26	505	-29
Winner	57	-10	79	45	1.11	10.71	4.22	-2.91	-3.10	552	-125
<b>Southeast</b>											
Armour	59	-9	82	46	0.53	9.78	2.90	-3.74	-4.13	556	-127
Centerville	63	-4	91	42	1.41	13.27	3.99	-0.06	-3.04	556	-32
Pickstown	60	-6	87	46	0.40	10.52	2.14	-2.64	-5.17	577	-23
Vermillion	65	-4	90	46	0.50	15.57	4.33	1.60	-3.02	679	-62
Yankton	63	-3	91	46	0.32	15.11	4.68	1.42	-2.67	602	-14

DATA AND MAP SOURCE: State Climate Office of South Dakota