

South Dakota Weekly Crop Weather Report

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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

Cold and wet conditions are not helping producers get into the fields, as there were 3.5 days suitable for fieldwork last week. Most areas of South Dakota would welcome warm dry weather to help dry the wet saturated areas to allow the continuation of small grain and row crop plantings. Farm activities focused on finishing calving and lambing, moving livestock to summer pasture, planting spring small grains, corn, and soybeans.

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

WEATHER INFORMATION

Cold temperatures were the focus of the week across the state, according to the State Climate Office of South Dakota. Temperatures for the week were 5-10° F below average over the whole state. Of specific concern were low temperatures on Friday and Saturday nights. Most of the state went below freezing for several hours both of these nights. Several stations in West River areas fell to the low 20s F and even some upper teens F. Damage to any crops is being assessed and may not be apparent until temperatures warm. Most row crops seem to have not emerged enough to a concern. Damage to alfalfa seems to be the larger concern. The high temperature of the week was 78°F at Vermillion; the low temperature was 17° F at Custer.

Overall precipitation was heaviest in the northern area of the state with a mid-week storm. Much of the southern part of the state received little or no precipitation. Bison had the largest precipitation total at 1.12 inches; Mission and Winner reported no measureable precipitation for the week.

The cold temperature brought growing degree day (GDD) accumulation closer to average over large areas of the state with the cooler temperatures. Some western stations now have fallen behind in GDD accumulation. Much of the eastern areas are still as much as 100 GDD above average since April 1.

SOIL CONDITION

Soil temperatures have regressed with the colder temperatures, also. Only small locations are at or above 50° F. The rest of the state has fallen into the 40s F. Topsoil moisture was rated at 25 percent in the surplus category with subsoil moisture was rated at 23 percent in the surplus category.

FIELD CROPS REPORT

Small grains remain mostly in good to excellent condition despite the near freezing to freezing temperatures around the state last week. Forty-seven percent of the corn is planted, ahead of last year's estimate of 26 percent and also ahead of the five-year average of 38 percent. Progress was slow on planting soybeans, now at 4 percent planted. Eighty-eight percent of the spring wheat has been planted, ahead of last year's estimate of 82 percent but behind the of the five-year average of 89 percent. Fifty-nine percent of the spring wheat is emerged. Seventy-seven percent of the oats has been planted, up from last year's estimate of 70 percent but below the five-year average of 84 percent. Percent of winter wheat that is in boot stage or beyond is estimated at 26 percent, ahead of last year's progress of 6 percent and the five-year average of 19 percent.

LIVESTOCK, PASTURE, AND RANGE REPORT

Calving and lambing are both estimated to be 88 percent complete. Cattle are rated at 82 percent in good to excellent condition and 43 percent of cattle have been moved to pasture. Sheep are rated 83 percent in good to excellent condition. Feed supplies are rated at 95 percent adequate to surplus, up 12 percentage points from last year.

Feed and Water Supplies Comparison as of May 9, 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	7	6	1	0	10
Short	5	10	13	2	2	13
Adequate	89	78	76	70	81	66
Surplus	6	5	5	27	17	11

Soil Moisture Condition Comparison as of May 9, 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	0	0	0	1	0	0
Short	2	1	0	2	2	1
Adequate	73	78	86	74	78	87
Surplus	25	21	14	23	20	12

Crop and Livestock Conditions as of May 9, 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	2	20	59	19
Spring Wheat	1	1	30	59	9
Barley	1	1	11	84	3
Oats	0	1	13	73	13
Alfalfa	2	2	15	70	11
Cattle	1	3	14	69	13
Sheep	2	3	12	62	21
Range & Pasture	0	3	22	65	10

Crop Progress as of May 9, 2010 ¹

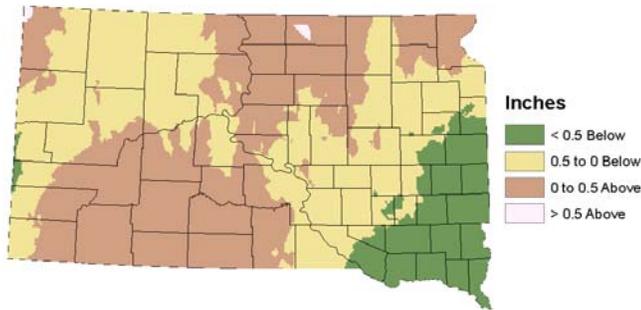
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Boot	26	20	6	19
Barley				
Seeded	64	52	63	75
Emerged	26	8	29	36
Oats				
Seeded	77	66	70	84
Emerged	46	28	29	48
Spring Wheat				
Seeded	88	75	82	89
Emerged	59	37	39	57
Corn				
Planted	47	31	26	38
Emerged	5	1	2	3
Soybeans				
Planted	4	3	6	5
Sorghum				
Planted	1	0	3	4
Sunflower				
Planted	0	0	0	1

¹ Percents represent all acreage in or beyond each stage.

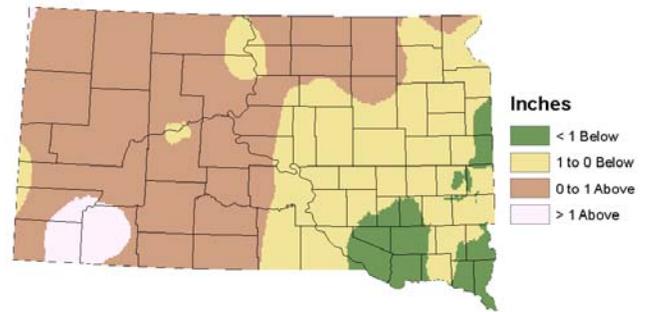
Average Soil Temperatures Week Ending May 9, 2010 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	44	Nisland	44
Beresford	50	Oacoma	49
Bowdle	47	Parkston	49
Brookings	48	Pierre	48
Caputa	45	Redfield	47
Cottonwood	49	South Shore	NA

GROWING SEASON
Accumulated Precip Deviation from Average
for April 10 to May 9, 2010



GROWING SEASON
Accumulated Precip Deviation from Average
for April 1 to May 9, 2010



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, May 9, 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			Since April 1
	Degrees	Degrees	Degrees	Degrees	Inches	Inches	Inches	Inches	Inches			
Northwest												
Bison	43	-10	61	28	1.12	9.26	4.04	1.19	0.64	186	9	
Buffalo	39	-11	63	25	0.62	5.43	1.79	-1.70	-0.81	170	17	
Dupree	44	-10	63	26	0.90	7.70	3.03	0.63	0.57	190	8	
McIntosh	43	-11	64	28	0.65	8.72	2.56	2.52	0.15	205	26	
Newell	44	-8	66	32	0.68	6.63	2.63	0.13	0.27	161	-12	
Timber Lake	43	-10	62	26	0.97	8.42	2.75	0.76	0.05	208	36	
North Central												
Aberdeen	45	-9	62	32	0.58	12.20	3.73	4.67	1.26	233	56	
Faulkton	44	-10	63	30	0.43	10.57	2.10	3.13	-0.66	227	48	
Mobridge	44	-9	63	29	0.56	9.13	2.81	2.39	-0.46	220	54	
Roscoe	44	-9	63	31	0.54	12.89	3.38	5.09	0.53	216	76	
Northeast												
Britton	45	-8	61	31	0.65	11.45	1.56	4.09	-0.84	262	77	
Clear Lake	45	-8	65	29	0.37	16.79	1.38	6.72	-1.61	235	109	
Sisseton	44	-10	62	28	0.58	17.15	2.94	8.14	0.14	229	70	
Watertown	45	-7	62	33	0.57	13.03	2.45	4.88	-0.13	211	84	
Webster	44	-10	60	32	0.65	12.76	2.64	4.93	0.15	190	58	
West Central												
Faith	42	-11	61	26	0.61	6.65	2.24	-0.55	-0.32	200	10	
Milesville	46	-9	66	27	0.50	11.10	2.33	3.32	-0.50	220	9	
Philip	45	-9	66	25	0.08	8.56	2.75	1.99	0.20	219	2	
Rapid City	43	-9	66	21	0.24	6.74	3.28	-0.09	0.67	163	2	
Spearfish	44	-9	66	26	0.44	11.04	3.52	1.30	0.14	186	27	
Central												
Chamberlain	46	-7	64	30	0.05	11.51	3.02	2.32	-0.24	228	32	
Highmore	43	-10	61	25	0.38	9.61	2.69	0.89	-0.60	199	8	
Huron	46	-8	65	31	0.41	11.91	2.81	3.23	-0.27	259	69	
Onida	45	-9	64	28	0.75	10.89	3.09	3.94	0.52	220	31	
Pierre	45	-10	65	27	0.27	11.52	1.83	3.64	0.02	231	14	
East Central												
Brookings	46	-7	68	28	0.27	11.56	1.81	3.75	-0.93	236	93	
Forestburg	48	-8	67	32	0.22	12.80	2.66	3.20	-0.93	313	71	
Madison	44	-9	61	31	0.10	13.20	2.70	2.43	-1.27	248	101	
Mitchell	49	-6	66	31	0.10	12.44	2.38	2.63	-1.17	280	86	
Sioux Falls	47	-7	69	31	0.23	14.16	2.90	3.99	-0.65	266	67	
Southwest												
Custer	36	0	57	17	0.28	6.28	3.24	-0.11	0.36	57	-37	
Hot Springs	46	-7	68	21	0.10	10.37	4.58	3.73	1.81	194	-45	
Oelrichs	44	-9	68	20	0.24	10.66	4.83	3.38	1.74	197	-21	
Porcupine	44	-9	67	19	0.25	14.16	4.40	7.24	1.76	196	-8	
South Central												
Kennebec	47	-9	66	24	0.40	11.75	2.40	3.46	0.17	275	9	
Mission	45	-8	67	23	0.00	10.99	3.75	2.66	0.50	202	38	
Murdo	45	-9	65	28	0.23	11.68	3.12	3.14	0.13	218	28	
Winner	46	-10	67	28	0.00	10.14	3.19	0.05	-0.35	225	-37	
Southeast												
Academy	46	-8	67	30	0.17	9.98	2.80	1.07	-0.93	247	65	
Centerville	48	-8	73	33	0.05	11.28	1.91	1.58	-1.47	290	87	
Pickstown	48	-8	67	31	0.05	10.42	1.98	0.86	-1.71	250	34	
Vermillion	51	-8	78	31	0.10	12.19	2.21	1.79	-1.52	368	74	
Yankton	50	-5	72	33	0.04	16.40	3.92	6.48	0.40	333	105	

DATA AND MAP SOURCE: State Climate Office of South Dakota