

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

Rainfall and below-average temperatures slowed spring planting and crop development across South Dakota. There were 2.8 days suitable for fieldwork in the past week. Farm activities focused on seeding of small grains, preparing fields for corn planting, calving and lambing activities, and general care of livestock.

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

WEATHER INFORMATION

Another spring storm brought more significant rainfall across portions of the state. Little precipitation fell as snow with this storm, but several locations received over 2 inches of precipitation during the week. East central South Dakota and areas north of the Black Hills received the heaviest precipitation. The areas of lightest precipitation were along the North Dakota and Nebraska borders. Temperatures were well below average again for the week, ranging from 1 to 7°F below average.

Some severe weather occurred in the southeast part of the state following along the Nebraska border on Tuesday, May 6. Reports were of strong winds (up to 72 mph) and hail (up to an inch diameter). Temperatures also fell well below freezing in the north central, central, and western parts of the state on Sunday morning. Some places reached the mid 20s for lows. Extension reports indicated some potential winter wheat damage.

SOIL CONDITION

Soil temperatures at 4 inches are still in the upper 40s over most the state. Coldest soil temperatures are 44°F at Caputa in the wetter soil area. Oacoma and Pierre are the warmest, at 56°F. The central part of the state has been the driest recently, allowing soil temperatures to warm more quickly.

FIELD CROPS REPORT

Precipitation across much of the state continued to delay planting for many farmers, and cold soil temperatures have slowed crop development. Topsoil moisture is now rated at 97 percent adequate to surplus, up 3 percentage points from last week. Subsoil moisture is rated at 84 percent adequate to surplus, unchanged from last week. Planting of small grains continued, but progress is behind average. Barley is 72 percent seeded, up 12 percentage points from last week. Oats are 83 percent seeded, up 10 percentage points from last week. Spring wheat increased 11 percentage points, to 86 percent seeded. While many producers are still hoping to plant spring wheat, continued rains may force them to move on to corn. Winter wheat condition improved 6 percentage points to 69 percent good to excellent, due to the occurrence of rain in dryer growing areas. Corn planted is rated at 27 percent complete, which is well behind the previous year rating of 43 percent and the 5-year average of 57 percent.

LIVESTOCK, PASTURE, AND RANGE REPORT

Feed supplies are rated at 82 percent adequate to surplus. Stock water supplies, rated at 79 percent adequate to surplus, remain stable compared to last week's rating of 80 percent. Range and pasture conditions are rated at 59 percent good to excellent, up 5 percentage points from last week. Calving has progressed to 91 percent complete, with reports increased cattle deathloss as cold, wet conditions persist. The percent of cattle moved out to pasture has progressed to 40 percent; however, alfalfa and pasture progress are behind normal due to cool ground temperatures. Lambing progress has slowed and is estimated at 93 percent complete.

Feed and Water Supplies Comparison as of May 11, 2008

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	2	5	10	8	10	16
Short	16	21	19	13	12	22
Adequate	75	72	68	68	60	56
Surplus	7	2	3	11	18	6

Soil Moisture Condition Comparison as of May 11, 2008

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	2	5	6	6
Short	3	6	6	11	10	14
Adequate	72	71	66	70	71	59
Surplus	25	23	26	14	13	21

Crop and Livestock Conditions as of May 11, 2008

Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	3	5	23	54	15
Spring Wheat	0	4	30	60	6
Barley	0	1	24	72	3
Oats	0	2	25	68	5
Alfalfa	1	3	40	52	4
Cattle	0	1	14	70	15
Sheep	0	0	10	71	19
Range & Pasture	4	7	30	51	8

Crop Progress as of May 11, 2008 ¹

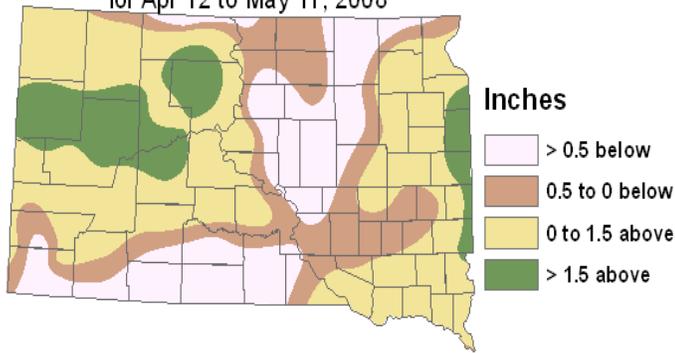
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Boot	14	9	26	28
Barley				
Seeded	72	60	79	87
Emerged	17	7	38	57
Oats				
Seeded	83	73	87	93
Emerged	40	22	52	69
Spring Wheat				
Seeded	86	75	90	96
Emerged	41	20	63	79
Corn				
Planted	27	10	43	57
Emerged	1	0	8	7
Soybeans				
Planted	2	0	5	10
Sorghum				
Planted	2	0	7	8
Sunflower				
Planted	0	0	1	2

¹ Percents represent all acreage in or beyond each stage.

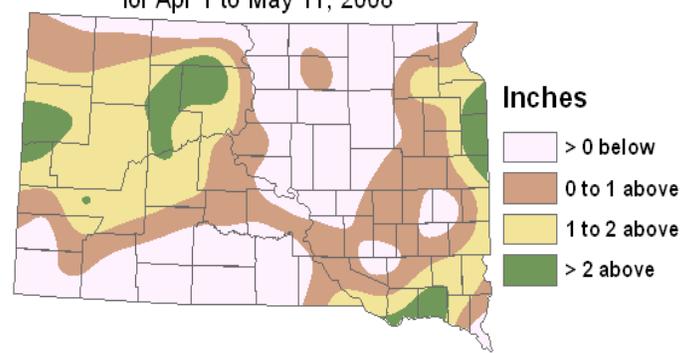
Average Soil Temperatures Week Ending May 11, 2008 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	49	Nisland	46
Beresford	48	Oacoma	56
Bowdle	49	Parkston	51
Brookings	50	Pierre	56
Caputa	44	Redfield	49
Cottonwood	52	South Shore	48

PAST 30 DAYS
Accumulated Precip Deviation from Average
for Apr 12 to May 11, 2008



GROWING SEASON
Accumulated Precip Deviation from Average
for Apr 1 to May 11, 2008



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, May 11, 2008

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>		
Northwest											
Bison	48	-6	71	30	0.58	6.31	3.85	-1.41	0.82	200	-4
Buffalo	49	-2	68	29	1.16	5.03	3.43	-1.78	0.57	140	-9
Dupree	50	-4	76	29	1.10	7.66	5.07	0.36	2.26	228	18
McIntosh	48	-7	74	30	0.04	3.21	1.71	-3.23	-0.79	159	-49
Newell	46	-7	72	25	2.07	7.65	4.66	0.99	2.11	156	-41
Timber Lake	51	-4	78	29	0.89	8.38	6.10	0.49	3.20	223	24
North Central											
Aberdeen	50	-5	78	34	0.90	5.84	1.38	-1.91	-1.28	180	-25
Faulkton	50	-4	77	30	1.18	6.10	2.21	-2.40	-0.80	193	-14
Mobridge	51	-4	77	28	1.02	5.39	2.61	-1.35	0.14	185	-9
Roscoe	48	-5	78	25	0.67	7.95	3.79	-0.08	0.74	152	-13
Northeast											
Britton	51	-4	77	30	0.51	5.43	1.56	-2.17	-1.06	164	-52
Clear Lake	50	-4	72	30	2.41	11.87	6.10	1.52	2.90	123	-28
Sisseton	49	-6	75	34	0.97	8.80	3.18	-0.46	0.26	140	-48
Watertown	48	-5	73	30	1.28	8.48	3.61	0.15	0.88	131	-20
Webster	49	-5	72	34	1.08	9.64	4.06	1.50	1.39	125	-31
West Central											
Faith	51	-4	73	28	1.14	7.24	4.94	-0.42	2.02	169	-49
Milesville	51	-4	76	29	1.65	8.19	5.09	0.14	2.02	240	0
Philip	53	-2	76	27	1.10	7.84	3.91	0.79	1.11	237	-9
Rapid City	48	-5	71	25	1.05	7.26	4.80	0.16	1.97	156	-27
Spearfish	45	-8	67	22	2.05	12.37	5.96	2.27	2.35	163	-19
Central											
Chamberlain	52	-3	76	30	1.07	11.47	3.84	2.07	0.22	205	-19
Highmore	48	-6	74	25	0.82	5.50	1.68	-3.43	-1.98	193	-27
Huron	50	-5	77	30	1.13	9.05	3.34	0.14	0.06	208	-10
Onida	51	-4	77	28	0.77	9.15	3.29	0.69	0.44	228	10
Pierre	51	-5	75	28	0.78	9.95	3.11	1.83	0.08	221	-23
East Central											
Brookings	51	-3	73	32	2.12	9.82	4.32	1.82	1.41	143	-25
Forestburg	53	-4	77	29	1.34	10.68	4.49	0.82	0.66	256	-17
Madison	51	-3	73	32	1.07	9.86	3.33	-0.45	-0.36	142	-29
Mitchell	55	-2	77	30	0.54	10.61	4.02	0.70	0.21	225	3
Sioux Falls	52	-3	75	33	1.91	14.55	4.99	4.10	1.21	192	-35
Southwest											
Custer	45	-2	67	24	0.90	7.18	3.08	-0.78	-0.09	99	-13
Hot Springs	52	-1	73	27	0.88	6.94	2.69	0.07	-0.29	231	-37
Oelrichs	52	-1	76	29	0.74	5.62	2.84	-1.66	-0.16	222	-25
Porcupine	50	-3	76	22	0.34	5.36	2.45	-1.77	-0.38	205	-27
South Central											
Kennebec	53	-5	77	27	1.58	8.77	3.23	1.24	0.15	280	-19
Mission	50	-3	74	26	0.67	9.29	3.12	1.26	-0.18	184	-4
Murdo	52	-3	75	29	1.19	9.97	3.59	1.17	0.37	197	-20
Winner	53	-5	77	29	0.86	7.81	2.95	-2.44	-0.97	218	-76
Southeast											
Armour	52	-6	76	34	0.50	11.80	3.79	1.47	-0.01	232	-66
Centerville	54	-2	77	33	1.56	13.18	4.99	3.21	1.35	205	-26
Pickstown	52	-5	78	34	0.35	13.99	5.33	4.06	1.28	207	-39
Vermillion	55	-4	80	33	0.95	13.79	4.44	3.11	0.41	263	-66
Yankton	55	-1	82	35	0.74	16.36	6.55	6.21	2.78	226	-32