

South Dakota Weekly Crop Weather Report

Released: May 14, 2007 -- 3:00 p.m. CST
For Week Ending May 13, 2007
SD-CW5620 Volume 56 Issue 20



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Cooperating with:
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AGRICULTURAL EXTENSION SERVICE and
U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

Limited precipitation and warm temperatures facilitated drying of wet fields, allowing producers to get 3.5 days suitable for fieldwork statewide. Major farm activities included planting, fixing fence, and moving cattle to pasture.

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

WEATHER INFORMATION

The limited rainfall allowed for some draining of submerged soils in the James River Valley and receding of water from Aberdeen, according to the State Climate Office of South Dakota. Rainfall totals were less than half an inch in the northwest and southeast parts of the state. Much of the state recorded no precipitation.

Temperatures continued to run well above average with average temperatures for the week generally running 6 to 10° F above average. Many locations recorded temperatures above 90° F. For most locations this was the first above 90° F reading of the year.

SOIL CONDITION

A mostly quiet weather week allowed for drying of soils in wetter areas of the east and the continuation of planting progress. On the other hand, precipitation in the western part of the state is welcomed and more is still needed to improve the subsoil moisture. Soil temperatures continue to slowly climb. Topsoil moisture was rated at 27 percent surplus, up from 24 percent last week. Subsoil moisture was rated at 24 percent surplus, up from 14 percent last week.

FIELD CROPS REPORT

Wet fields are slowly recovering from the heavy precipitation on May 5th and 6th. Producers continue to plant around the wet spots. There have been reports of fields needing replanting or likely preventive planting in some areas. Corn planting has progressed, but not as quickly as recent years, resulting in 48 percent complete, which is behind the five-year average of 66 percent. Corn emergence is rated at 11 percent, which is slightly ahead of normal. Soybean and sorghum plantings are closely following the corn with plantings rated 6 and 9 percent complete, respectively. The first reports of sunflower plantings resulted in 1 percent planting complete. Barley, oat and spring wheat seeding averaged 89 percent complete, which is getting close to the five-year averages, while emergence advanced to an average of 58 percent; yet progress remains behind normal. Winter wheat development now has 30 percent of the crop in the boot stage, compared to the average of 29 percent.

LIVESTOCK, PASTURE, AND RANGE REPORT

Alfalfa, as well as range and pasture conditions improved this week. Alfalfa rated 76 percent good to excellent, up from 69 percent last week. Range and pasture rated 56 percent good to excellent, up from 52 percent last week. Stock water supplies were rated at 79 percent adequate to surplus, up 3 points from last week. Feed supplies, as well as livestock conditions continue to hold steady. Cattle moved to pastures advanced to 53 percent, the same as last year. Calving and lambing advanced to 91 and 95 percent complete, respectively.

Feed and Water Supplies Comparison as of May 13, 2007

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	5	2	9	10	7	16
Short	22	4	18	11	18	23
Adequate	71	89	69	60	67	57
Surplus	2	5	4	19	8	4

Soil Moisture Condition Comparison as of May 13, 2007

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	1	3	3	6	7	5
Short	6	5	16	13	17	22
Adequate	66	68	65	57	62	61
Surplus	27	24	16	24	14	12

Crop and Livestock Conditions as of May 13, 2007

Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	6	4	22	54	14
Spring Wheat	1	3	28	58	10
Barley	1	2	17	74	6
Oats	1	1	20	69	9
Alfalfa	1	4	19	59	17
Cattle	0	1	16	66	17
Sheep	0	1	13	65	21
Range & Pasture	3	10	31	43	13

Crop Progress as of May 13, 2007 ¹

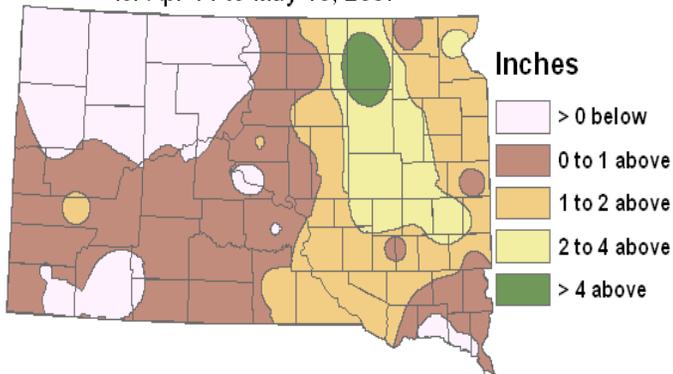
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Boot	30	15	35	29
Barley				
Seeded	85	64	81	89
Emerged	45	21	55	62
Oats				
Seeded	90	78	94	94
Emerged	59	36	70	73
Spring Wheat				
Seeded	91	86	95	97
Emerged	69	47	80	82
Corn				
Planted	48	30	61	66
Emerged	11	1	7	9
Soybeans				
Planted	6	2	12	14
Emerged	0	0	1	1
Sorghum				
Planted	9	2	11	9
Sunflower				
Planted	1	0	3	3

¹ Percents represent all acreage in or beyond each stage.

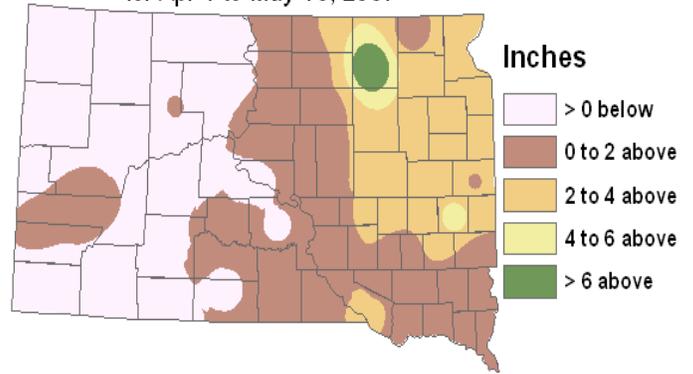
Soil Temperatures Week Ending May 13, 2007 (4-inch Depth)

Location	Temp	Location	Temp
Beresford	59	Gettysburg	NA
Brookings	57	Nisland	59
Caputa	55	Pierre	65
Oacoma	68	Redfield	65
Cottonwood	63	South Shore	55

Accumulated Precip Departure from Normal
for Apr 14 to May 13, 2007



Accumulated Precip Departure from Normal
for Apr 1 to May 13, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, May 13, 2007

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	62	8	84	43	0.00	5.67	2.81	-2.21	-0.40	285	63
Buffalo	58	7	81	40	0.03	4.66	2.56	-2.30	-0.48	249	85
Dupree	62	7	87	42	0.00	6.38	3.15	-1.09	0.14	317	89
McIntosh	60	5	82	41	0.47	5.13	1.76	-1.45	-0.90	293	66
Newell	60	6	86	36	0.35	5.69	2.37	-1.12	-0.35	282	68
Timber Lake	62	7	84	43	0.00	6.16	1.67	-1.88	-1.41	307	89
North Central											
Aberdeen	64	8	89	48	0.00	16.68	12.42	8.80	9.60	327	104
Faulkton	62	7	90	43	0.00	9.04	4.12	0.37	0.91	316	90
Mobridge	64	8	88	46	0.14	6.25	2.54	-0.63	-0.09	338	126
Roscoe	61	7	80	44	0.00	8.33	4.40	0.14	1.16	292	110
Northeast											
Britton	65	9	89	47	0.00	7.79	3.47	0.03	0.67	337	102
Clear Lake	63	8	87	46	0.03	13.09	6.80	2.60	3.42	269	101
Sisseton	64	7	91	44	0.05	12.70	6.01	3.29	2.91	295	88
Watertown	63	8	87	46	0.00	10.41	5.10	1.96	2.22	295	128
Webster	63	8	87	48	0.00	12.16	5.43	3.89	2.60	280	107
West Central											
Faith	61	5	84	41	0.01	6.09	2.46	-1.74	-0.66	282	46
Milesville	64	8	89	41	0.00	7.26	3.16	-0.98	-0.13	337	78
Philip	61	6	83	40	0.00	6.96	3.04	-0.26	0.04	337	70
Rapid City	59	6	85	40	0.00	6.02	3.80	-1.25	0.78	243	44
Spearfish	61	6	88	38	0.01	7.26	3.30	-3.03	-0.53	326	128
Central											
Chamberlain	64	8	91	46	0.00	12.04	5.66	2.43	1.80	333	89
Highmore	63	7	90	41	0.00	8.23	4.08	-0.87	0.22	317	79
Huron	65	9	90	46	0.02	11.82	6.57	2.76	3.11	355	119
Onida	67	12	93	46	0.00	9.58	4.24	0.97	1.21	340	103
Pierre	64	7	93	45	0.00	6.59	2.44	-1.71	-0.79	332	67
East Central											
Brookings	62	8	81	47	0.03	10.11	4.95	1.95	1.86	280	94
Forestburg	66	8	90	48	0.10	13.49	7.49	3.44	3.44	374	79
Madison	63	8	83	47	0.04	14.55	8.87	4.07	4.98	301	112
Mitchell	66	9	90	48	0.04	11.93	5.08	1.84	1.06	360	118
Sioux Falls	65	9	88	45	0.08	14.77	4.77	4.13	0.77	359	111
Southwest											
Custer	57	9	83	32	0.00	6.90	3.80	-1.24	0.41	183	59
Hot Springs	62	8	92	36	0.00	5.29	2.65	-1.76	-0.53	357	69
Oelrichs	60	5	88	36	0.00	5.01	3.00	-2.45	-0.20	319	53
Porcupine	59	5	88	35	0.09	5.25	2.17	-2.04	-0.84	333	81
South Central											
Kennebec	75	17	92	49	0.00	9.16	2.90	1.46	-0.38	441	119
Mission	64	9	89	43	0.00	9.51	3.36	1.27	-0.18	349	143
Murdo	62	7	82	46	0.00	8.34	3.63	-0.61	0.23	308	72
Winner	65	6	92	46	0.00	12.75	5.10	2.27	0.92	330	13
Southeast											
Armour	67	9	92	49	0.00	13.91	5.98	3.38	1.94	404	84
Centerville	66	9	89	48	0.19	10.42	3.98	0.25	0.11	375	123
Pickstown	64	7	89	47	0.00	13.98	6.65	3.84	2.36	348	81
Vermillion	68	8	88	47	0.13	13.36	5.05	2.47	0.78	429	76
Yankton	66	9	90	47	0.02	14.32	4.83	3.97	0.82	377	99

DATA AND MAP SOURCE: State Climate Office of South Dakota