

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

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For Week Ending May 6, 2007
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AGRICULTURAL SUMMARY

Warm temperatures facilitated fieldwork early last week, with 4.6 days suitable for fieldwork statewide. Strong thunderstorms over the weekend caused flooding from Aberdeen to Huron. Major farm activities included planting, fertilizing, pre-emergence spraying, 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

Heavy precipitation and several tornadoes occurred during a several day storm event through the weekend, according to the State Climate Office of South Dakota. Tornadoes caused some structural damage in Yankton, Bon Homme, Davison, and Hanson Counties. Heavy precipitation is causing serious flooding problems roughly along the James River Valley from Aberdeen down to Huron. Many daily record precipitation events occurred with this system. Two day totals of 8 to 9 inches were reported in Spink and Brown Counties leading to serious urban and agricultural flooding. Precipitation did fall over most of the state with at least 0.5 of an inch and over 1 inch in many places west of the river helping the drier conditions in the western part of the state.

The flooding occurred on fields that had recently been planted and others that were to be planted soon. Producers are gathering information about planting, possible replanting or changing varieties or crops because of flooded fields.

SOIL CONDITION

Soil temperatures continue to climb. Each station reported increases of between 3 and 6 degrees resulting in all stations being above 50 degrees. Topsoil moisture was rated at 24 percent surplus, up from 16 percent last week. Subsoil moisture was rated at 14 percent surplus, the same as last year.

FIELD CROPS REPORT

Early in the week, warm weather helped advance seeding and emergence of small grains and planting corn. Many producers are seeding around the wet spots in fields. Barley, oat and spring wheat seeding advanced an average of 29 percentage points, while emergence advanced an average of 20 percentage points; yet progress remains behind normal. Winter wheat development now has 15 percent of the crop in the boot stage. Corn planting advanced to 30 percent, similar to last year's 32 percent. Soybean and sorghum planting has begun, both at only 2 percent complete.

LIVESTOCK, PASTURE, AND RANGE REPORT

The first alfalfa condition report of the year rated alfalfa at 69 percent good to excellent. Range and pasture conditions improved 13 percentage points from last week, to 52 percent good to excellent. Stock water supplies are mostly adequate to surplus except for the western part of the state that remains short. Feed supplies increased slightly, to 74 percent adequate to surplus. Livestock conditions continue to hold steady. Cattle moved to pastures advanced to 44 percent. Some producers moved their cattle due to muddy conditions, but continue to provide hay. Calving and lambing advanced to 88 and 91 percent complete, respectively.

Feed and Water Supplies Comparison as of May 6, 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	6	0	9	10	8	18
Short	20	4	17	14	15	23
Adequate	72	90	70	61	68	56
Surplus	2	6	4	15	9	3

Soil Moisture Condition Comparison as of May 6, 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	3	2	2	7	8	5
Short	5	7	12	17	21	18
Adequate	68	75	69	62	59	63
Surplus	24	16	17	14	12	14

Crop and Livestock Conditions as of May 6, 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	2	5	26	56	11
Alfalfa	1	4	26	56	13
Cattle	0	1	16	68	15
Sheep	0	1	9	73	17
Range & Pasture	4	12	32	40	12

Crop Progress as of May 6, 2007 ¹

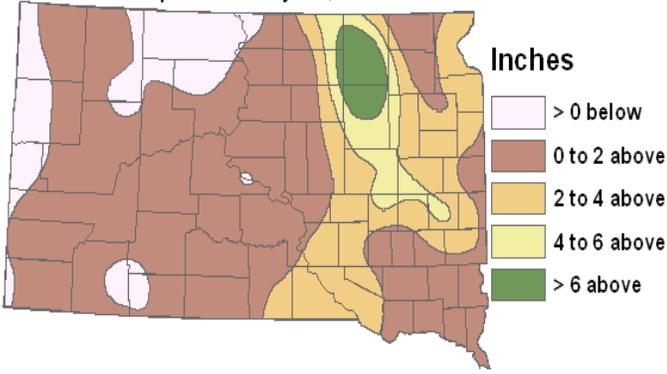
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Boot	15	4	19	15
Barley				
Seeded	64	33	70	79
Emerged	21	6	39	42
Oats				
Seeded	78	52	85	87
Emerged	36	18	55	54
Spring Wheat				
Seeded	86	57	89	93
Emerged	47	19	62	64
Corn				
Planted	30	8	32	41
Emerged	1	0	2	2
Soybeans				
Planted	2	0	3	5
Sorghum				
Planted	2	0	3	3
Sunflower				
Planted	0	0	0	1

¹ Percents represent all acreage in or beyond each stage.

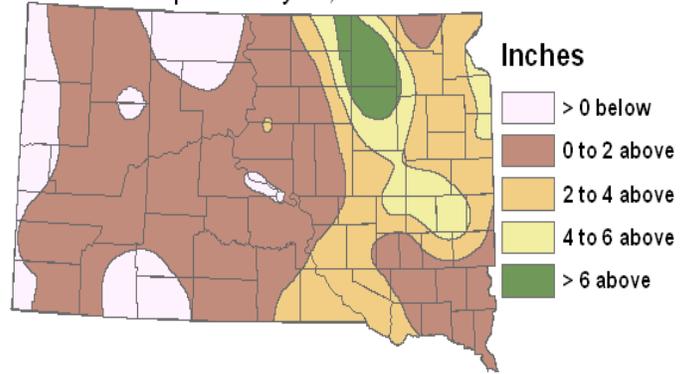
Soil Temperatures Week Ending May 6, 2007 (4-inch Depth)

Location	Temp	Location	Temp
Beresford	57	Gettysburg	NA
Brookings	52	Nisland	56
Caputa	52	Pierre	61
Oacoma	64	Redfield	59
Cottonwood	59	South Shore	51

Accumulated Precip Departure from Normal
for Apr 07 to May 06, 2007



Accumulated Precip Departure from Normal
for Apr 1 to May 06, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, May 6, 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		
	Degrees	Degrees	Degrees	Degrees	Inches	Inches	Inches	Inches	Inches		
Northwest											
Bison	57	5	75	38	1.60	5.67	2.81	-1.59	0.22	187	26
Buffalo	58	9	78	40	1.12	4.63	2.53	-1.70	0.12	177	64
Dupree	59	7	77	39	0.98	6.33	3.10	-0.49	0.74	218	53
McIntosh	58	5	76	40	0.41	4.66	1.29	-1.36	-0.81	207	45
Newell	56	5	79	42	1.26	5.51	2.19	-0.73	0.04	188	31
Timber Lake	58	6	76	36	0.24	6.16	1.67	-1.25	-0.78	211	56
North Central											
Aberdeen	61	8	80	40	9.01	16.68	12.42	9.36	10.16	231	72
Faulkton	59	6	80	40	1.66	9.04	4.12	1.04	1.58	224	62
Mobridge	62	10	80	36	0.89	6.11	2.40	-0.21	0.33	235	85
Roscoe	58	7	77	38	1.85	8.33	4.40	0.78	1.80	203	78
Northeast											
Britton	62	9	77	44	0.60	7.79	3.47	0.64	1.28	231	63
Clear Lake	57	6	76	42	2.17	13.06	6.77	3.20	4.02	175	63
Sisseton	58	4	74	39	2.49	12.65	5.96	3.82	3.44	200	56
Watertown	60	9	77	39	1.29	10.41	5.10	2.46	2.72	199	86
Webster	58	6	75	42	1.20	12.16	5.43	4.45	3.16	187	71
West Central											
Faith	59	6	77	39	1.25	6.08	2.45	-1.05	0.03	197	23
Milesville	59	5	78	40	2.08	7.26	3.16	-0.22	0.63	232	39
Philip	60	7	81	41	1.69	6.96	3.04	0.43	0.73	244	44
Rapid City	57	7	76	40	1.81	6.02	3.80	-0.61	1.42	164	18
Spearfish	62	11	82	40	0.60	5.05	1.09	-4.47	-1.97	244	99
Central											
Chamberlain	61	9	83	43	2.97	11.44	5.06	2.64	2.01	232	54
Highmore	59	7	78	42	2.53	7.86	3.71	-0.54	0.55	218	43
Huron	63	9	84	39	4.63	11.80	6.55	3.37	3.72	252	80
Onida	60	7	80	40	1.84	9.58	4.24	1.59	1.83	223	50
Pierre	60	6	79	40	0.91	6.59	2.44	-1.04	-0.12	231	34
East Central											
Brookings	59	7	82	38	1.30	10.08	4.92	2.50	2.41	191	64
Forestburg	61	6	82	41	4.39	13.39	7.39	4.11	4.11	265	43
Madison	61	9	85	40	4.19	14.51	8.83	4.73	5.64	208	77
Mitchell	64	10	88	42	1.71	11.06	4.21	1.68	0.90	253	77
Sioux Falls	62	9	92	39	1.84	14.69	4.69	4.80	1.44	248	67
Southwest											
Custer	52	6	71	33	1.68	6.88	3.78	-0.52	1.13	109	24
Hot Springs	59	7	81	39	1.22	5.29	2.65	-1.07	0.16	253	31
Oelrichs	58	6	81	36	1.50	5.01	3.00	-1.75	0.50	227	25
Porcupine	59	7	82	35	1.16	5.16	2.08	-1.50	-0.30	243	55
South Central											
Kennebec	62	7	81	44	1.60	9.16	2.90	2.14	0.30	280	34
Mission	59	7	77	44	1.77	9.51	3.36	2.07	0.62	242	95
Murdo	60	7	81	41	1.79	8.34	3.63	0.02	0.86	217	44
Winner	61	5	82	41	2.60	12.75	5.10	3.13	1.78	228	-13
Southeast											
Armour	64	8	86	41	2.60	13.91	5.98	4.22	2.78	285	40
Centerville	63	9	91	40	1.32	10.10	3.66	0.71	0.57	257	72
Pickstown	63	8	89	42	3.00	13.98	6.65	4.68	3.20	246	47
Vermillion	66	8	92	39	1.07	13.23	4.92	3.18	1.49	301	29
Yankton	64	10	92	42	0.63	14.30	4.81	4.79	1.64	264	56

DATA AND MAP SOURCE: State Climate Office of South Dakota