

South Dakota Weekly Crop Weather Report

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For Week Ending May 20, 2007
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Cooperating with:
SOUTH DAKOTA STATE UNIVERSITY
AGRICULTURAL EXTENSION SERVICE and
U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

Limited precipitation, winds and temperatures facilitated drying of wet fields, allowing producers to get 6.1 days suitable for fieldwork statewide. Major farm activities included planting row crops, post-emergence spraying, 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

Precipitation occurred in isolated locations during the week, according to the State Climate Office of South Dakota. Because we are transitioning to mostly convective precipitation, the aerial coverage was very sporadic. Many storms dropped their heaviest rainfall between recording stations. Other stations not reported on the precipitation table on the back did have larger recorded precipitation amounts. (Note that the storms which occurred late Sunday night are after the end time of this report.) The north central part of the state continues to lag in precipitation, accumulating less than half of average in the last 30 days and less than 70% of average over much of the northwest quarter.

Some cooler temperatures occurred with some patchy frost as temperatures reached the mid-30s in some locations last Tuesday through Thursday. Temperatures ran above average for the fifth consecutive week. Only a few stations in the north and northeast parts of the state measured near-average temperatures.

SOIL CONDITION

The overall dry, warm and windy conditions improved planting conditions and dried fields for continuation of fieldwork. Cool overnight temperatures resulted in patchy frost and limited changes in soil temperature. Topsoil moisture was rated at 15 percent surplus, down from 27 percent last week. Subsoil moisture was rated at 15 percent surplus, down from 24 percent last week.

FIELD CROPS REPORT

Dry, windy conditions allowed corn planting to progress quickly to 76 percent complete compared to 48 percent last week. Corn emergence proceeded to 38 percent, actually ahead of normal. There have been a few reports of soils drying so fast that corn seedlings are struggling to break the surface. Soybean, sorghum and sunflower plantings are closely following the corn with plantings rated 26, 25 and 5 percent complete, respectively. Barley, oat and spring wheat seeding are nearly complete; while, emergence advanced to nearly normal levels. Winter wheat development now has 70 percent of the crop in the boot stage.

LIVESTOCK, PASTURE, AND RANGE REPORT

Cattle, sheep, alfalfa, and range and pasture conditions all showed higher percentages in the good to excellent categories than last week. Alfalfa condition reported the largest increase at 7 percentage points higher than last week, with a rating of 83 percent good to excellent. Cattle moved to pastures advanced to 73 percent, ahead of both last year and the five-year average. Calving is rated at 94 percent complete, while lambing is virtually complete.

Soil Temperatures Week Ending May 20, 2007 (4-inch Depth)

Location	Temp	Location	Temp
Beresford	59	Gettysburg	NA
Brookings	57	Nisland	62
Caputa	56	Pierre	68
Oacoma	68	Redfield	64
Cottonwood	66	South Shore	55

Feed and Water Supplies Comparison as of May 20, 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	2	7	10	10	16
Short	14	7	19	11	20	23
Adequate	78	86	70	62	65	58
Surplus	2	5	4	17	5	3

Soil Moisture Condition Comparison as of May 20, 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	1	9	6	6	13
Short	11	6	25	13	13	21
Adequate	73	66	56	66	57	57
Surplus	15	27	10	15	24	9

Crop and Livestock Conditions as of May 20, 2007

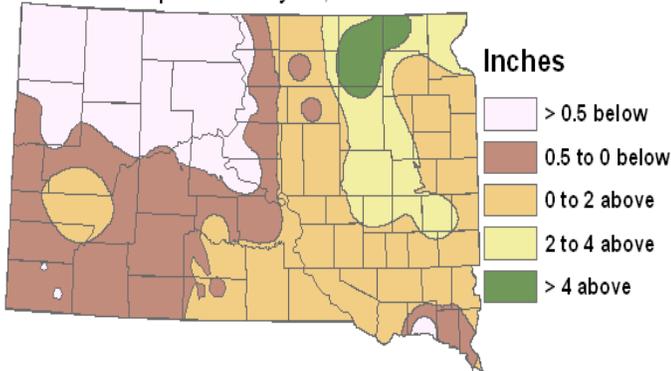
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	2	5	23	56	14
Spring Wheat	1	3	22	58	16
Barley	0	1	17	71	11
Oats	0	2	18	70	10
Corn	1	4	25	60	10
Alfalfa	1	2	14	58	25
Cattle	0	1	11	69	19
Sheep	0	1	8	71	20
Range & Pasture	4	8	26	44	18

Crop Progress as of May 20, 2007 ¹

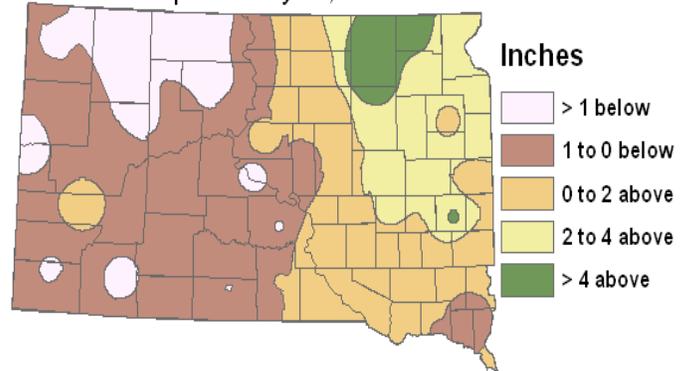
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Boot	70	30	56	48
Headed	4	0	2	3
Barley				
Seeded	95	85	90	96
Emerged	74	45	72	80
Oats				
Seeded	98	90	98	99
Emerged	87	59	87	87
Boot	1	0	0	1
Spring Wheat				
Seeded	99	91	99	99
Emerged	91	69	93	93
Boot	1	0	1	1
Corn				
Planted	76	48	81	83
Emerged	38	11	29	27
Soybeans				
Planted	26	6	37	34
Emerged	4	0	4	4
Sorghum				
Planted	25	9	23	19
Emerged	6	0	1	1
Sunflower				
Planted	5	1	13	8
Alfalfa				
1st Cutting	1	0	3	1
Other Hay				
Cut	0	0	1	0

¹ Percents represent all acreage in or beyond each stage.

Accumulated Precip Departure from Normal
for Apr 21 to May 20, 2007



Accumulated Precip Departure from Normal
for Apr 1 to May 20, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, May 20, 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	58	1	89	36	0.00	5.67	2.81	-2.84	-1.03	370	77
Buffalo	59	5	87	37	0.13	4.79	2.69	-2.84	-1.02	328	107
Dupree	61	4	90	40	0.00	6.38	3.15	-1.79	-0.56	410	110
McIntosh	59	1	91	38	0.06	5.19	1.82	-1.97	-1.42	377	76
Newell	62	6	87	37	0.00	5.69	2.37	-1.75	-0.98	382	103
Timber Lake	60	3	90	38	0.04	6.20	1.71	-2.51	-2.04	396	108
North Central											
Aberdeen	59	0	85	34	0.01	16.69	12.43	8.20	9.00	405	109
Faulkton	62	4	88	40	0.00	9.04	4.12	-0.33	0.21	408	110
Mobridge	62	4	91	37	0.00	6.25	2.54	-1.24	-0.70	434	152
Roscoe	60	3	92	39	0.00	8.33	4.40	-0.56	0.46	374	127
Northeast											
Britton	59	0	87	38	0.07	13.82	9.50	5.40	6.04	399	87
Clear Lake	60	3	87	38	0.00	13.09	6.80	1.90	2.72	356	123
Sisseton	59	0	85	38	0.34	13.04	6.35	3.00	2.62	379	98
Watertown	61	5	87	37	0.00	10.41	5.10	1.39	1.65	392	160
Webster	58	1	82	41	0.05	12.21	5.48	3.35	2.06	352	113
West Central											
Faith	61	3	90	38	0.00	6.09	2.46	-2.44	-1.36	373	65
Milesville	64	6	91	37	0.01	7.27	3.17	-1.78	-0.93	442	110
Philip	64	5	91	36	0.00	6.96	3.04	-0.99	-0.69	443	102
Rapid City	61	6	84	40	0.84	6.86	4.64	-1.11	0.92	335	75
Spearfish	62	7	87	42	0.00	7.26	3.30	-3.85	-1.35	424	165
Central											
Chamberlain	63	5	91	39	0.00	12.04	5.66	1.59	0.96	436	118
Highmore	60	2	86	38	0.00	8.23	4.08	-1.57	-0.48	406	94
Huron	62	3	85	41	0.00	11.82	6.57	2.06	2.41	447	137
Onida	62	4	90	39	0.00	9.58	4.24	0.32	0.56	436	126
Pierre	64	4	93	40	0.00	6.59	2.44	-2.42	-1.50	432	91
East Central											
Brookings	60	3	87	33	0.00	10.11	4.95	1.29	1.20	372	118
Forestburg	63	2	84	37	0.00	13.49	7.49	2.67	2.67	472	97
Madison	62	4	87	33	0.00	14.55	8.87	3.32	4.23	399	143
Mitchell	64	5	90	41	0.00	11.93	5.08	1.07	0.29	468	151
Sioux Falls	63	4	85	34	0.03	14.80	4.80	3.39	0.03	460	138
Southwest											
Custer	58	7	83	31	0.26	7.16	4.06	-1.75	-0.10	255	83
Hot Springs	63	7	90	33	0.03	5.32	2.68	-2.43	-1.20	466	105
Oelrichs	61	4	94	31	0.02	5.03	3.02	-3.14	-0.89	416	76
Porcupine	63	6	95	34	0.29	5.54	2.46	-2.38	-1.18	433	110
South Central											
Kennebec	66	6	90	36	0.00	9.16	2.90	0.76	-1.08	563	155
Mission	63	6	89	38	0.00	9.51	3.36	0.43	-1.02	451	179
Murdo	63	5	94	40	0.03	8.37	3.66	-1.27	-0.43	404	98
Winner	63	2	92	39	0.00	12.75	5.10	1.36	0.01	435	34
Southeast											
Armour	64	3	84	37	0.00	13.91	5.98	2.52	1.08	515	111
Centerville	63	3	88	37	0.00	10.46	4.02	-0.55	-0.69	470	143
Pickstown	63	3	89	37	0.00	13.98	6.65	3.00	1.52	456	112
Vermillion	67	5	90	41	0.00	13.37	5.06	1.64	-0.05	551	110
Yankton	63	3	91	34	0.00	14.32	4.83	3.06	-0.09	486	127

DATA AND MAP SOURCE: State Climate Office of South Dakota