

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

Despite cooler-than-average temperatures and some severe weather in the state, significant gains in spring fieldwork were able to take place in South Dakota. There were 5.0 days suitable for fieldwork in the past week. Farm activities focused on spring fieldwork, moving cattle to pasture, application of fertilizer and chemicals 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

South Dakota witnessed severe weather last week that also brought heavy rain in several parts of the state, according to the State Climate Office of South Dakota. Rapid City recorded over 4 inches of rain and several locations in the southwest and northwest accumulated over 2 inches. While many parts of the state accumulated 1 inch of precipitation or more, the southeast part of the state accumulated less than 0.25 inch of precipitation with Webster accumulating just 0.03 inch. Severe weather spawned multiple tornado touchdowns in Dewey County and one in Ziebach County. Reports of penny- and quarter-sized hail were also received from several counties. Many west river locations with below-average accumulation since April saw improvement from the precipitation last week. The southeast corner of the state continued to be more than 1.5 inch below average precipitation since April.

Temperatures continued to be up to 5° F below average. Overnight low temperatures in Redfield, Watertown and Aberdeen were below freezing on Wednesday with Redfield reaching 30° F close to 6 am. Growing degrees days continued to accumulate less than average as well. Most parts of the state were 20 to 40 GDD below average despite the warm weather in the early part of the week that saw Porcupine miss the 90°F mark by a degree.

SOIL CONDITION

Soil temperatures showed a consistent and expected increase from last week. Pierre and Oacoma both recorded average soil temperatures over 60° F for the week and all locations in the state were in the 50s. Pierre recorded the warmest temperature at 61° F. Caputa and South Shore recorded the coolest, at 54° F averaged over the week.

FIELD CROPS REPORT

Spring fieldwork made progress in South Dakota over the past week, but still remains well behind last year and the five-year average. The estimate for percentage of corn planted made another significant jump over the past week, up 30 percentage points, now estimated at 85 percent complete. Soybeans planted advanced 24 percentage points from last week, now at 42 percent complete.

LIVESTOCK, PASTURE, AND RANGE REPORT

Range and pasture conditions improved slightly over the past week, currently rated at 60 percent good to excellent. Feed supplies and stock water supplies continue to improve with feed supplies rated at 87 percent adequate to surplus and stock water supplies at 80 percent adequate to surplus. Cattle condition remains stable at 88 percent good to excellent and 72 percent of cattle have been moved to pasture. Sheep condition is rated at 90 percent good to excellent.

Feed and Water Supplies Comparison as of May 25, 2008

Rating	Feed Supplies			Stock Water Supplies		
	This Week	Last Year	5 Yr. Avg.	This Week	Last Year	5 Yr. Avg.
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	0	4	8	8	11	16
Short	13	16	19	12	11	22
Adequate	81	77	69	70	67	57
Surplus	6	3	4	10	11	5

Soil Moisture Condition Comparison as of May 25, 2008

Rating	Topsoil			Subsoil		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	1	0	1	5	4	6
Short	11	8	10	15	12	12
Adequate	75	81	76	71	76	68
Surplus	13	11	13	9	8	14

Crop and Livestock Conditions as of May 25, 2008

Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Winter Wheat	3	5	27	55	10
Spring Wheat	0	6	21	59	14
Barley	0	1	23	68	8
Oats	0	2	16	71	11
Corn	0	3	23	62	12
Alfalfa	0	3	29	57	11
Cattle	0	0	12	71	17
Sheep	0	0	10	71	19
Range & Pasture	2	5	33	50	10

Crop Progress as of May 25, 2008 ¹

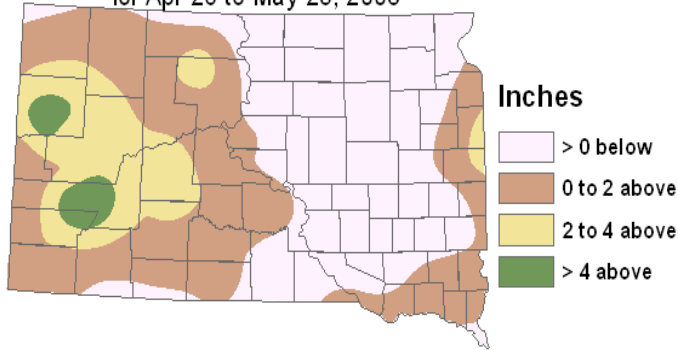
Item	This Week	Last Week	Last Year	5-Yr Avg.
	Percent	Percent	Percent	Percent
Winter Wheat				
Boot	41	24	81	73
Headed	1	0	25	14
Barley				
Seeded	93	91	99	99
Emerged	57	48	85	90
Boot	0	0	1	2
Oats				
Seeded	98	93	99	100
Emerged	86	68	94	95
Boot	1	0	12	6
Headed	0	0	1	0
Spring Wheat				
Seeded	99	96	100	100
Emerged	90	78	95	98
Boot	1	0	8	4
Headed	0	0	1	0
Corn				
Planted	85	55	87	91
Emerged	23	5	59	53
Soybeans				
Planted	42	18	48	53
Emerged	4	0	14	12
Sorghum				
Planted	30	16	39	32
Emerged	4	0	16	7
Sunflower				
Planted	8	3	15	14
Alfalfa				
1st Cutting	1	0	5	5
Other Hay				
Cut	0	0	1	1

¹ Percents represent all acreage in or beyond each stage.

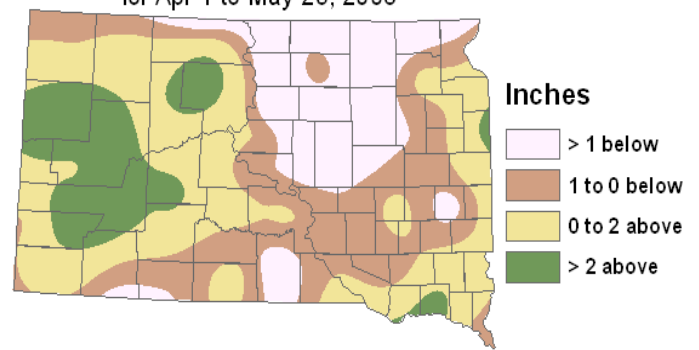
Average Soil Temperatures Week Ending May 25, 2008 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	59	Nisland	56
Beresford	57	Oacoma	60
Bowdle	55	Parkston	59
Brookings	57	Pierre	61
Caputa	54	Redfield	55
Cottonwood	58	South Shore	54

PAST 30 DAYS
Accumulated Precip Deviation from Average
for Apr 26 to May 25, 2008



GROWING SEASON
Accumulated Precip Deviation from Average
for Apr 1 to May 25, 2008



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, May 25, 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	57	-1	79	41	1.31	7.67	5.21	-1.31	0.92	337	-10
Buffalo	54	-2	76	38	0.92	5.95	4.35	-2.21	0.14	252	-16
Dupree	57	-2	74	39	1.18	8.94	6.35	0.19	2.09	359	2
McIntosh	54	-5	73	37	1.12	4.33	2.83	-3.30	-0.86	276	-82
Newell	56	-2	74	44	2.84	10.72	7.73	2.81	3.93	267	-63
Timber Lake	56	-4	73	31	0.93	9.31	7.03	0.07	2.78	354	12
North Central											
Aberdeen	58	-2	80	31	0.25	6.12	1.66	-2.87	-2.24	340	-12
Faulkton	57	-3	77	33	0.27	6.38	2.49	-3.52	-1.92	329	-26
Mobridge	58	-2	72	39	0.50	5.89	3.11	-2.07	-0.58	329	-8
Roscoe	57	-2	76	36	0.06	8.05	3.89	-1.39	-0.57	288	-11
Northeast											
Britton	60	0	75	37	0.13	5.56	1.69	-3.38	-2.27	340	-31
Clear Lake	56	-3	73	36	0.15	12.20	6.43	0.42	1.80	247	-38
Sisseton	59	-1	76	36	0.16	8.97	3.35	-1.57	-0.85	294	-43
Watertown	56	-2	74	31	0.13	8.83	3.96	-0.69	0.04	262	-22
Webster	59	-1	75	40	0.03	9.67	4.09	0.33	0.22	274	-17
West Central											
Faith	55	-4	74	40	1.04	8.37	6.07	-0.70	1.74	290	-75
Milesville	58	-2	75	40	1.33	9.52	6.42	-0.16	1.72	380	-11
Philip	58	-2	79	37	2.60	10.50	6.57	1.97	2.29	388	-11
Rapid City	53	-3	74	41	4.84	12.15	9.69	3.66	5.47	267	-41
Spearfish	58	0	80	39	1.21	14.27	7.86	2.53	2.61	288	-21
Central											
Chamberlain	58	-2	78	40	1.15	12.74	5.11	1.66	-0.19	356	-21
Highmore	56	-3	77	35	1.11	9.25	3.22	-1.08	-1.84	321	-48
Huron	58	-2	82	36	0.16	9.39	3.68	-0.90	-0.98	362	-5
Onida	57	-3	73	37	0.30	9.75	3.89	-0.04	-0.29	362	-5
Pierre	57	-4	77	39	0.52	10.53	3.69	0.95	-0.80	364	-37
East Central											
Brookings	56	-3	74	35	0.51	10.45	4.95	1.08	0.67	259	-49
Forestburg	59	-3	81	36	0.72	11.66	5.47	0.26	0.10	423	-15
Madison	56	-3	77	36	0.45	10.46	3.93	-1.35	-1.26	260	-49
Mitchell	60	-1	83	39	1.32	12.05	5.46	0.61	0.12	381	6
Sioux Falls	59	-1	81	35	0.52	15.24	5.68	3.25	0.36	347	-34
Southwest											
Custer	53	0	76	38	2.89	10.13	6.03	0.64	1.32	188	-23
Hot Springs	58	0	77	44	3.09	10.18	5.93	1.91	1.55	370	-48
Oelrichs	59	0	80	47	2.25	8.07	5.29	-0.67	0.83	360	-37
Porcupine	61	3	89	43	1.57	7.24	4.33	-1.17	0.22	363	-16
South Central											
Kennebec	58	-4	79	35	1.30	10.14	4.60	1.21	0.12	438	-35
Mission	59	0	79	40	2.20	11.52	5.35	1.81	0.37	325	0
Murdo	59	-1	78	45	1.69	11.76	5.38	1.59	0.79	333	-29
Winner	59	-3	80	40	1.04	11.15	4.16	-0.92	-1.58	367	-100
Southeast											
Armour	59	-4	82	40	0.86	12.71	4.70	0.66	-0.82	392	-78
Centerville	58	-3	81	38	1.33	14.51	6.32	2.84	0.98	339	-49
Pickstown	58	-4	80	44	1.09	15.15	6.49	3.54	0.76	352	-52
Vermillion	62	-2	84	39	1.66	15.45	6.10	3.06	0.36	440	-74
Yankton	59	-3	82	40	1.49	17.97	8.16	6.02	2.59	382	-39

DATA AND MAP SOURCE: State Climate Office of South Dakota