

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

Planting progress was made early in the week with 3.9 days suitable for fieldwork in the past seven days. Dry weather for parts of the week allowed for this progression, but all crops, except sorghum, were still behind last year's progress and the five year averages. Farm activities included planting, fertilizing, repairing fences, and moving cattle to pastures.

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

WEATHER INFORMATION

A large upper air low pressure area impacted the state during most of the week, this according to the State Climate Office of South Dakota. Southeasterly winds brought ample moisture to the state. Precipitation gradually crossed the state from mid-week on dropping some very heavy amounts in the western part of the state. These led to flooding of roads in Butte County and other minor flooding.

Except for a few isolated stations, the whole state received above average precipitation. Most of the state recorded over an inch with several stations above three inches. Hot Springs had the largest total for the week at 3.71 inches; Faulkton had the least at 0.66 inches. The additional precipitation brought totals up since April 1 to above average over most of the state. Only a few scattered locations were below average. The most below average was 1.13 inches at Pickstown. Porcupine at 2.47 inches was the most above average since April 1.

Average temperatures were mostly in the 50's F for the week. These were consistently below average across the state. A few stations in the east were near average. Coldest temperatures below average were generally across the west. Pickstown and Yankton again shared the high temperature of the week at 78° F. Kennebec had the lowest temperature at 26° F. Accumulated GDDs continue to lag, ranging from roughly 6-10 days behind across the state.

SOIL CONDITION

Despite the overall colder than average temperatures, soil temperatures warmed several degrees statewide. All locations now had 4 inch soil temperatures in the 50's F. Oacoma had the warmest soil temperature at 59° F; Bowdle was the lowest at 51° F.

FIELD CROPS REPORT

Although gains were made in the percentage of small grains planted over the last week, they are still behind last year's progress. Spring wheat planting was estimated at 89 percent for the state, compared to 95 percent last year and 98 percent for the five-year average. Eighty-four percent of the oats have been planted, down from 90 percent for last year. Sixty-two percent of the barley has been planted, compared to 85 percent last year. Winter wheat growth was still considerably below average at 25 percent now in the boot stage, compared to last year's 45 percent. Corn and soybeans planted made substantial progress, with corn at 73 percent complete and soybeans at 21 percent complete. Even with the considerable improvement, they are still behind the 5- year averages of 78 percent and 36 percent, respectively, due to saturating rains late in the week.

LIVESTOCK, PASTURE, AND RANGE REPORT

The calving season was right on schedule with the previous and 5-year averages, with 95 percent complete. Sixty-six percent of cattle have been moved to pasture, compared to 68 percent in the previous year. Feed supplies, with 93 percent rated adequate to surplus, were ahead of the 5 year average of 87 percent. Stock water supplies remained stable with 100 percent rated adequate to surplus.

Feed and Water Supplies Comparison as of May 22, 2011

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	1	0	3	0	0	6
Short	6	6	10	0	2	10
Adequate	84	84	81	66	69	70
Surplus	9	10	6	34	29	14

Soil Moisture Condition Comparison as of May 22, 2011

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	0	0	0	0
Short	1	1	1	3	3	1
Adequate	56	62	67	54	61	67
Surplus	43	37	32	43	36	32

Crop and Livestock Conditions as of May 22, 2011

Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	1	3	15	70	11
Spring Wheat	0	1	29	62	8
Barley	0	0	7	90	3
Oats	0	0	12	78	10
Corn	0	3	13	69	15
Alfalfa	0	5	16	67	12
Cattle	1	1	14	75	9
Sheep	0	1	12	75	12
Range & Pasture	1	4	25	55	15

Crop Progress as of May 22, 2011 ¹

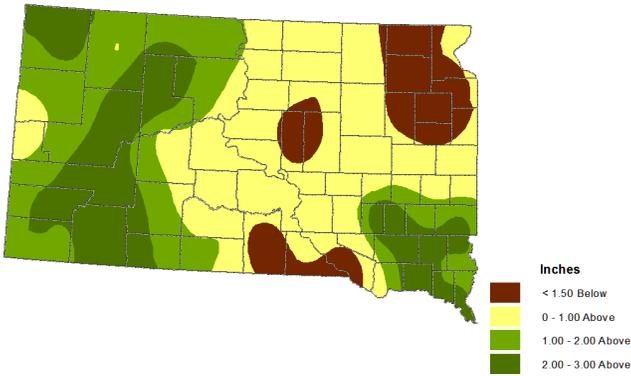
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Boot	25	19	45	48
Headed	0	0	1	4
Barley				
Seeded	62	59	85	92
Emerged	13	10	60	69
Oats				
Seeded	84	80	90	95
Emerged	54	34	75	81
Spring Wheat				
Seeded	89	84	95	98
Emerged	51	36	82	87
Corn				
Planted	73	44	74	78
Emerged	18	2	32	32
Soybeans				
Planted	21	5	30	36
Emerged	1	0	3	6
Sorghum				
Planted	7	3	5	23
Emerged	0	0	0	4
Sunflower				
Planted	3	0	8	10

¹ Percents represent all acreage in or beyond each stage.

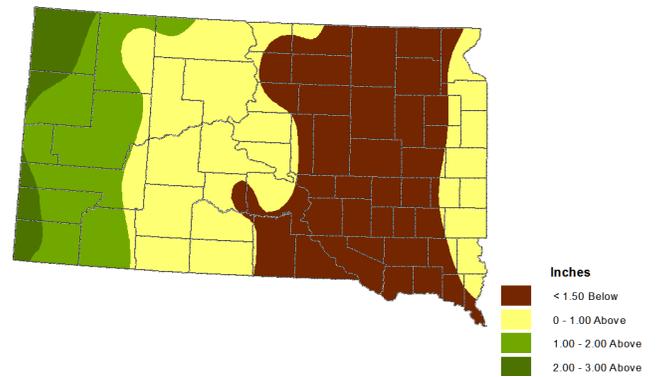
Average Soil Temperatures Week Ending May 22, 2011 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	53	Nisland	52
Beresford	53	Oacoma	59
Bowdle	51	Parkston	55
Brookings	54	Pierre	56
Caputa	52	Redfield	57
Cottonwood	55	South Shore	53

GROWING SEASON
Accumulated Precip Deviation from Average
From April 1 to May 23, 2011



PAST 30 DAYS
Accumulated Precip Deviation from Average
From April 24 to May 23, 2011



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, May 22, 2011

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>Degrees</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>		
Northwest											
Bison	54	-3	64	32	1.82	9.35	4.94	0.66	0.91	231	-115
Buffalo	53	-2	68	36	2.92	9.15	5.49	2.03	2.06	187	-135
Dupree	54	-5	66	37	1.05	11.96	5.92	3.57	1.99	231	-159
McIntosh	56	-3	71	34	1.48	8.71	4.81	1.37	1.25	231	-132
Newell	53	-5	68	36	2.65	9.43	4.77	1.44	1.08	201	-138
Timber Lake	55	-3	69	36	1.97	11.55	5.45	2.64	1.50	237	-124
North Central											
Aberdeen	57	-2	72	36	0.69	11.11	4.83	2.48	1.26	265	-105
Faulkton	56	-3	70	36	0.66	8.79	3.81	0.79	-0.08	223	-168
Mobridge	56	-3	70	35	1.38	9.63	4.42	1.14	1.08	259	-89
Roscoe	55	-2	70	35	1.58	11.75	4.69	2.66	0.55	211	-99
Northeast											
Britton	59	0	74	38	0.72	10.75	2.94	2.08	-0.68	243	-151
Clear Lake	54	-4	72	34	1.32	12.56	4.27	1.20	-0.03	199	-157
Sisseton	56	-3	73	36	1.43	13.17	4.01	2.95	0.10	241	-139
Watertown	56	-1	73	34	0.72	11.66	2.87	2.50	-0.67	219	-121
Webster	59	0	72	41	0.81	13.73	2.88	4.49	-0.92	213	-135
West Central											
Faith	53	-6	68	34	2.45	11.40	6.10	2.31	2.17	220	-157
Milesville	56	-3	71	37	1.20	9.65	5.07	0.36	0.73	292	-108
Philip	51	-8	69	32	1.11	8.39	3.97	0.39	0.13	254	-144
Rapid City	51	-5	68	32	3.00	9.45	5.48	1.34	1.66	228	-125
Spearfish	53	-3	72	36	3.35	11.41	5.41	0.06	0.52	241	-70
Central											
Chamberlain	56	-3	72	38	1.79	9.61	5.57	-1.11	0.74	300	-124
Highmore	56	-2	70	37	1.55	7.41	4.09	-2.51	-0.57	233	-177
Huron	58	-1	74	36	0.67	11.24	4.49	1.32	0.23	290	-95
Onida	55	-4	71	35	1.45	10.11	4.13	0.47	0.25	255	-161
Pierre	55	-5	73	32	1.46	11.57	4.93	2.40	0.88	279	-130
East Central											
Brookings	56	-2	73	33	1.34	10.69	4.50	1.67	0.55	226	-89
Forestburg	58	-3	74	39	1.25	11.98	5.94	0.81	0.87	290	-140
Madison	56	-2	73	31	1.16	10.89	5.69	-0.56	0.83	235	-124
Mitchell	60	0	77	40	1.94	12.93	7.32	1.93	2.41	329	-73
Sioux Falls	56	-3	74	33	1.95	12.52	6.74	0.93	1.86	303	-91
Southwest											
Custer	42	-9	54	31	3.00	11.55	5.76	2.46	1.50	103	-130
Hot Springs	52	-5	65	32	3.71	10.02	5.92	1.97	1.74	310	-111
Oelrichs	51	-6	67	30	2.97	7.76	5.04	-0.51	1.03	279	-134
Porcupine	52	-5	68	35	2.69	12.95	6.29	4.85	2.47	271	-143
South Central											
Kennebec	55	-6	70	26	1.77	9.36	5.19	0.76	1.01	330	-138
Mission	54	-4	70	33	2.39	10.80	5.79	1.48	1.17	260	-97
Murdo	56	-3	71	38	1.58	9.85	4.34	0.01	0.05	257	-148
Winner	57	-5	72	37	1.37	8.17	4.43	-1.30	-0.84	304	-173
Southeast											
Academy	56	-6	74	38	1.95	9.02	6.03	-2.20	0.67	287	-141
Centerville	57	-3	75	34	2.12	10.77	6.01	0.51	1.17	310	-95
Pickstown	59	-2	78	35	0.73	9.99	4.24	-1.23	-1.13	363	-66
Vermillion	59	-4	77	32	1.67	12.11	7.42	0.13	2.06	409	-108
Yankton	58	-2	78	35	1.99	13.92	7.34	2.40	2.16	353	-77

DATA AND MAP SOURCE: State Climate Office of South Dakota