

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

Above average temperatures this past week helped with the emergence of row crops, but the lack of rain is causing drier soil conditions. There were 6.1 days suitable for fieldwork in the past week. Farm activities focused on moving livestock to summer pastures, finishing small grain planting, and continuing row crop planting.

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

WEATHER INFORMATION

A string of three weeks of below average temperatures reached an end last week as all of the state was above average except for a few stations in north central South Dakota, according to the State Climate Office of South Dakota. The first 100° F event occurred last week as several stations reached the upper 90s and one 100° F event at Porcupine. The lowest temperature was also at Porcupine at 28° F.

Precipitation was largely limited to south central to east central and Black Hills areas of the state. Some heavy rainfall did lead to minor flooding in the Rapid City area. The rest of the state received little precipitation. Vermillion reported 1.18 inches for the week. Several stations reported no precipitation for the week ending on Sunday.

Because of the short term dryness in the south central-southeast part of the state, a small area of D0 was introduced on last week's Drought Monitor map. Some stations in this area are 2-3 inches below average in precipitation since April 1. At this point the issue has been short term dryness and dryness in near-surface soils.

SOIL CONDITION

Soil temperatures reached over 60° F in many areas, but some areas continued to warm more slowly. Topsoil moisture was rated 73 percent adequate to surplus, dropping 12 percentage points for this week. Subsoil moisture ratings dropped only slightly at 88 percent in the adequate to surplus categories.

FIELD CROPS REPORT

Rain would benefit crop progress across much of the state, but there are still a few areas where wet soil is impeding the planting of row crops. Small grain seeding is nearly complete across the state. Corn planted is now 82 percent complete, compared to 81 percent last year and 89 percent for the five-year average. Soybeans are now 47 percent planted, 1 percentage point behind the five-year average.

LIVESTOCK, PASTURE, AND RANGE REPORT

South Dakota livestock have benefited from more cooperative weather conditions in May, but rain is needed to help maintain pasture conditions over the summer. Cattle moved to pasture was estimated at 81 percent. Calving is nearly complete with 97 percent reported this past week. Sheep condition was fairly constant with 82 percent good to excellent. This past week cattle condition was reported at 80 percent. Range and pasture conditions increased 12 percentage points to 76 percent in the good to excellent categories.

Average Soil Temperatures Week Ending May 24, 2009 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	60	Nisland	60
Beresford	57	Oacoma	63
Bowdle	57	Parkston	62
Brookings	60	Pierre	69
Caputa	55	Redfield	60
Cottonwood	65	South Shore	53

Feed and Water Supplies Comparison as of May 24, 2009

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	7	0	6	1	8	15
Short	8	14	15	5	12	19
Adequate	80	80	75	84	70	60
Surplus	5	6	4	10	10	6

Soil Moisture Condition Comparison as of May 24, 2009

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	0	1	1	1	5
Short	26	15	11	11	9	15
Adequate	68	74	75	79	84	71
Surplus	5	11	13	9	6	9

Crop and Livestock Conditions as of May 24, 2009

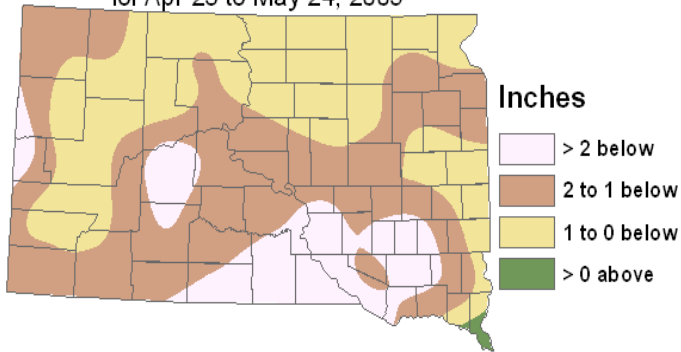
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	4	8	29	50	9
Spring Wheat	0	3	30	57	10
Barley	0	1	21	71	7
Oats	0	1	26	67	6
Corn	0	1	40	54	5
Alfalfa	0	3	16	70	11
Cattle	0	3	17	68	12
Sheep	0	3	15	67	15
Range & Pasture	1	2	21	63	13

Crop Progress as of May 24, 2009 ¹

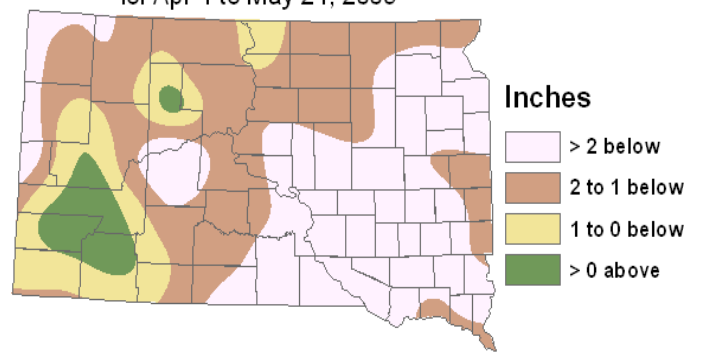
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Boot	30	14	39	66
Headed	1	0	1	11
Barley				
Seeded	97	84	93	97
Emerged	84	57	56	83
Boot	2	0	0	1
Oats				
Seeded	96	87	97	99
Emerged	80	56	83	92
Boot	1	0	1	5
Spring Wheat				
Seeded	99	94	99	100
Emerged	86	63	88	95
Boot	3	0	1	3
Corn				
Planted	82	63	81	89
Emerged	39	10	20	46
Soybeans				
Planted	47	19	39	48
Emerged	10	1	3	10
Sorghum				
Planted	36	14	28	30
Emerged	8	0	3	7
Sunflower				
Planted	16	2	7	13
Alfalfa				
1st Cutting	0	0	1	3
Other Hay				
Cut	0	0	0	1

¹ Percents represent all acreage in or beyond each stage.

PAST 30 DAYS
Accumulated Precip Deviation from Average
for Apr 25 to May 24, 2009



GROWING SEASON
Accumulated Precip Deviation from Average
for Apr 1 to May 24, 2009



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, May 24, 2009

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	60	2	85	38	0.01	12.41	2.44	3.54	-1.76	310	-26
Buffalo	61	6	87	39	0.06	8.72	2.23	0.68	-1.88	258	-1
Dupree	61	2	89	40	0.22	11.91	4.51	3.30	0.36	340	-6
McIntosh	60	1	88	38	0.00	9.35	2.14	1.83	-1.46	288	-58
Newell	60	2	88	39	0.00	9.38	2.89	1.58	-0.82	286	-34
Timber Lake	61	2	88	39	0.16	10.84	2.15	1.73	-2.00	353	22
North Central											
Aberdeen	62	2	96	42	0.00	10.52	1.94	1.66	-1.86	331	-10
Faulkton	63	3	96	39	0.02	9.98	3.23	0.21	-1.08	345	1
Mobridge	62	2	85	41	0.07	9.34	2.70	1.49	-0.90	315	-11
Roscoe	59	1	89	38	0.00	10.76	3.12	1.46	-1.23	287	-1
Northeast											
Britton	61	1	95	39	0.00	13.54	2.15	4.72	-1.71	279	-80
Clear Lake	61	3	96	42	0.05	13.57	1.75	1.94	-2.77	286	12
Sisseton	61	1	95	36	0.00	13.90	2.16	3.49	-1.94	322	-4
Watertown	62	5	94	39	0.02	10.10	1.25	0.71	-2.57	304	31
Webster	63	4	94	38	0.00	10.68	1.05	1.46	-2.73	287	6
West Central											
Faith	60	1	85	41	0.59	9.37	3.58	0.43	-0.65	288	-66
Milesville	62	2	90	42	0.05	8.64	1.54	-0.89	-3.04	365	-14
Philip	62	2	89	44	0.08	8.59	2.15	0.20	-2.02	377	-11
Rapid City	60	4	94	41	0.78	10.74	4.61	2.37	0.49	292	-6
Spearfish	65	8	95	48	0.02	11.96	2.38	0.37	-2.75	332	34
Central											
Chamberlain	66	6	98	45	0.09	9.25	2.54	-1.68	-2.64	383	18
Highmore	63	4	98	40	0.16	7.28	1.90	-2.92	-3.06	331	-26
Huron	64	4	98	44	0.25	11.75	2.27	1.59	-2.29	372	17
Onida	61	2	93	41	0.06	8.37	2.07	-1.29	-2.01	335	-21
Pierre	62	1	91	43	0.18	9.32	2.72	-0.13	-1.66	361	-28
East Central											
Brookings	62	4	95	42	0.75	11.24	2.81	2.00	-1.36	298	1
Forestburg	67	5	99	41	0.70	11.29	2.98	0.03	-2.28	441	16
Madison	64	5	93	40	0.29	10.07	2.52	-1.60	-2.56	350	52
Mitchell	68	7	98	46	0.10	10.98	1.69	-0.32	-3.54	415	52
Sioux Falls	65	6	95	45	0.16	12.65	3.32	0.80	-1.89	385	16
Southwest											
Custer	57	5	86	35	0.74	8.43	4.77	-0.92	0.17	181	-23
Hot Springs	64	6	95	39	0.05	8.30	4.17	0.15	-0.11	405	-2
Oelrichs	64	6	98	42	0.78	10.57	3.63	1.96	-0.72	380	-5
Porcupine	63	5	100	28	0.11	11.87	4.38	3.58	0.37	363	-4
South Central											
Kennebec	66	5	98	42	0.06	8.57	2.23	-0.23	-2.15	436	-25
Mission	65	6	98	46	0.35	9.58	2.91	0.02	-1.95	338	24
Murdo	64	5	93	45	0.04	10.46	3.22	0.42	-1.27	347	-3
Winner	67	5	99	49	0.09	9.30	2.81	-2.61	-2.80	397	-56
Southeast											
Armour	64	2	96	43	0.53	9.14	2.26	-2.75	-3.14	395	-62
Centerville	65	4	94	48	0.36	11.86	2.58	0.35	-2.63	375	-1
Pickstown	64	3	96	47	0.13	9.73	1.35	-1.73	-4.26	415	24
Vermillion	69	5	95	50	1.18	15.07	3.83	2.84	-1.78	464	-35
Yankton	66	5	97	48	0.43	14.34	3.91	2.56	-1.53	413	5

DATA AND MAP SOURCE: State Climate Office of South Dakota