

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

Warmer weather continues to facilitate the development of row crops and small grains in South Dakota. However, dry conditions in some parts of the state are causing early indications of moisture stress in some crops and hay. There were 6.6 days suitable for fieldwork in the past week. Farm activities focused on the cutting of hay, application of fertilizer and chemicals, general care of livestock and preparing machinery for the harvest of small grains.

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

WEATHER INFORMATION

Temperatures went into the 90s over nearly the whole state last week, according to the State Climate Office of South Dakota. Average temperatures for the week were still were below average over much of the western part of the state, by as much as 4°F. However, average temperatures stayed a couple degrees above average over much of the eastern part of the state. But GDD accumulations since the beginning of the growing season are still from 25 to 300 GDDs behind average.

Storms were generally confined to western parts of the state during the week, with over 1 inch rainfalls in Milesville and in the Black Hills. Generally, accumulations were much less than an inch at stations. This is leading to problems in the eastern part of the state where accumulations over the last 30 days are less than 50% of average.

Large hail, greater than an inch in diameter, was reported during storms in the western and northern parts of the state on Wednesday and Thursday.

SOIL CONDITION

Lack of recent precipitation in some areas of the state has caused topsoil moisture ratings in the adequate and surplus categories to drop 17 percentage points from last week, this week rated at 65 percent. Subsoil moisture is also drying out, this week rated at 80 percent adequate to surplus. The U.S. Drought Monitor has rated 18.1% of the state as abnormally dry, with the rating covering areas in the southwest, northwest and northeast corners of the state.

FIELD CROPS REPORT

Temperatures in the 90s has lead to continued development of South Dakota crops, but some reporters have commented that continued lack of precipitation could soon cause moisture stress in some areas. The average height of corn is currently estimated at 37 inches, still 14 inches behind the five-year average. Soybeans advanced to 26 percent in the blooming stage. Winter wheat is 12 percent ripe, 46 percentage points behind the five-year average.

LIVESTOCK, PASTURE, AND RANGE REPORT

The first cutting of alfalfa advanced to 90 percent complete and second cutting is also progressing well, this week estimated at 19 percent complete. Range and pasture conditions declined slightly, down 4 percentage points in the good to excellent categories, now estimated at 82 percent. Feed supplies and stock water supplies remain strong, rated at 94 percent and 92 percent adequate to surplus. With no major reports of any livestock problems, cattle and sheep conditions remain high at 91 percent and 94 percent good to excellent, respectively.

Feed and Water Supplies Comparison as of July 13, 2008

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	0	1	6	1	11	15
Short	6	8	16	7	16	21
Adequate	85	83	72	80	64	58
Surplus	9	7	6	12	9	6

Soil Moisture Condition Comparison as of July 13, 2008

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	2	2	9	3	2	9
Short	33	16	40	17	12	22
Adequate	60	73	48	75	76	63
Surplus	5	9	3	5	10	6

Crop and Livestock Conditions as of July 13, 2008

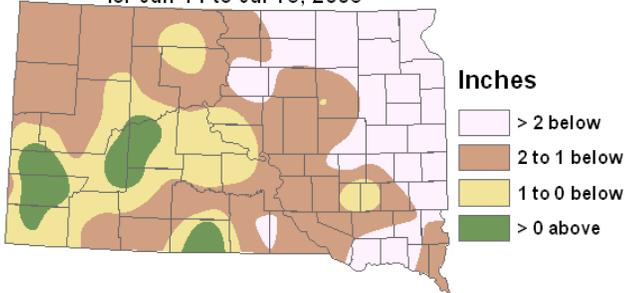
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	3	3	20	55	19
Spring Wheat	2	2	22	60	14
Barley	2	1	16	69	12
Oats	2	1	15	67	15
Corn	1	3	22	59	15
Soybeans	1	3	23	60	13
Sorghum	2	2	19	67	10
Sunflower	1	2	27	62	8
Alfalfa	1	4	16	61	18
Cattle	0	0	9	70	21
Sheep	0	0	6	70	24
Range & Pasture	1	2	15	63	19

Crop Progress as of July 13, 2008 ¹

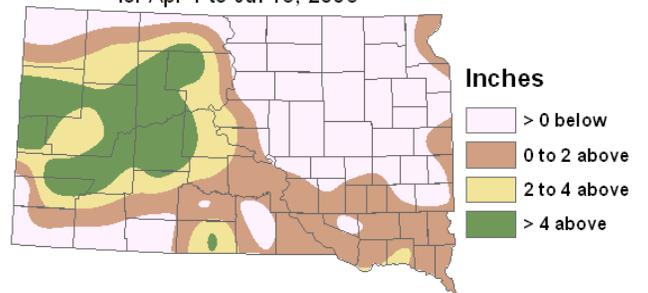
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Turning Color	84	63	99	98
Ripe	12	1	76	58
Harvested	2	0	39	27
Barley				
Boot	95	90	100	100
Headed	89	61	99	98
Turning Color	18	5	66	52
Ripe	1	0	13	7
Harvested	0	0	1	1
Oats				
Headed	95	76	100	98
Turning Color	42	13	78	55
Ripe	4	0	32	16
Harvested	0	0	7	5
Spring Wheat				
Headed	96	83	100	100
Turning Color	27	3	69	60
Ripe	1	0	10	9
Harvested	0	0	1	2
Corn				
Ave. Height (in.)	37	25	60	51
1st cult./spray	98	96	100	100
2nd cult./spray	63	46	87	84
Tasseled	2	0	34	17
Silked	0	0	12	4
Soybeans				
Blooming	26	5	52	42
Setting Pods	1	0	4	2
Sorghum				
Headed	0	0	31	12
Sunflower				
Blooming	0	0	3	2
Alfalfa				
1st Cutting	90	78	99	96
2nd Cutting	19	6	49	37
Other Hay				
Cut	65	48	73	67

¹ Percents represent all acreage in or beyond each stage.

PAST 30 DAYS
Accumulated Precip Deviation from Average
for Jun 14 to Jul 13, 2008



GROWING SEASON
Accumulated Precip Deviation from Average
for Apr 1 to Jul 13, 2008



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, July 13, 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	71	-1	95	45	0.32	13.12	10.66	-0.29	1.94	1,063	-108
Buffalo	67	-1	94	43	0.06	9.78	8.18	-3.19	-0.84	904	-46
Dupree	72	0	95	48	0.75	17.38	14.79	3.55	5.45	1,101	-100
McIntosh	68	-4	93	44	0.51	9.79	8.29	-2.48	-0.04	911	-287
Newell	71	-1	96	51	0.21	16.57	13.58	4.35	5.47	976	-185
Timber Lake	73	1	94	49	0.58	16.92	14.64	2.77	5.48	1,080	-95
North Central											
Aberdeen	71	-1	94	49	0.13	9.57	5.11	-4.85	-4.22	1,101	-105
Faulkton	72	0	97	51	0.15	12.06	8.17	-2.37	-0.77	1,071	-146
Mobridge	70	-3	93	46	0.00	10.93	8.15	-1.57	-0.08	1,058	-145
Roscoe	72	1	94	51	0.00	13.19	9.03	-1.54	-0.72	994	-100
Northeast											
Britton	72	1	92	51	0.45	11.04	7.17	-3.47	-2.36	1,129	-75
Clear Lake	72	1	92	51	0.00	16.25	10.48	-2.12	-0.74	966	-129
Sisseton	72	0	94	51	0.30	15.17	9.55	-0.65	0.07	1,052	-136
Watertown	71	1	94	53	0.08	13.25	8.38	-2.26	-1.53	962	-101
Webster	71	0	90	51	0.00	13.92	8.34	-1.07	-1.18	997	-119
West Central											
Faith	70	-4	92	50	0.00	15.87	13.57	2.20	4.64	989	-261
Milesville	70	-3	94	48	1.14	19.91	16.81	5.16	7.04	1,116	-177
Philip	71	-3	97	47	0.01	17.83	13.90	4.77	5.09	1,159	-143
Rapid City	67	-4	95	43	0.19	16.91	14.45	4.04	5.85	914	-167
Spearfish	72	1	96	54	0.86	24.94	18.53	7.51	7.59	1,011	-82
Central											
Chamberlain	75	1	97	53	0.00	19.22	11.59	2.72	0.87	1,192	-84
Highmore	70	-2	95	45	0.00	14.27	8.24	-1.25	-2.01	1,035	-189
Huron	73	0	96	51	0.00	13.94	8.23	-1.57	-1.65	1,160	-113
Onida	72	0	95	48	0.00	16.18	10.32	1.48	1.23	1,097	-135
Pierre	73	-2	98	47	0.03	19.01	12.17	3.98	2.23	1,126	-217
East Central											
Brookings	73	2	93	54	0.06	16.66	11.16	0.91	0.50	1,015	-109
Forestburg	74	0	96	50	0.00	16.14	9.95	-0.48	-0.64	1,268	-129
Madison	73	2	93	53	0.05	15.92	9.39	-1.75	-1.66	1,023	-102
Mitchell	75	1	96	55	0.02	18.96	12.37	2.07	1.58	1,293	-35
Sioux Falls	75	2	96	52	0.14	20.33	10.77	2.82	-0.07	1,249	-24
Southwest											
Custer	62	-4	86	38	1.25	17.14	13.04	2.52	3.20	705	-107
Hot Springs	70	-2	94	42	1.25	14.75	10.50	1.90	1.54	1,093	-144
Oelrichs	71	-2	99	43	0.00	11.39	8.61	-1.75	-0.25	1,059	-190
Porcupine	71	-2	99	39	0.03	12.43	9.52	-0.75	0.64	1,109	-108
South Central											
Kennebec	74	-2	96	47	0.00	15.63	10.09	1.89	0.80	1,280	-178
Mission	74	1	94	52	0.13	19.91	13.74	4.97	3.53	1,096	-96
Murdo	73	0	95	55	0.00	18.03	11.65	2.59	1.79	1,117	-141
Winner	75	-1	95	54	0.17	17.71	10.72	0.08	-0.59	1,225	-250
Southeast											
Armour	76	0	98	54	0.01	18.76	10.75	1.27	-0.21	1,272	-216
Centerville	76	2	94	54	0.18	21.33	13.14	3.43	1.57	1,247	-110
Pickstown	75	0	94	52	0.04	21.31	12.65	4.22	1.44	1,222	-157
Vermillion	77	1	92	53	0.57	21.80	12.45	3.56	0.86	1,407	-160
Yankton	76	2	94	55	0.26	23.78	13.97	5.62	2.19	1,319	-72

DATA AND MAP SOURCE: State Climate Office of South Dakota