

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

With 6.7 days suitable for field work last week crop progress was still ahead of average but crop conditions continued to decline with little or no moisture received. Stock water supplies and range and pasture conditions continued to decline, however livestock conditions remain mostly in the good to excellent range. Major activities last week included spraying for weeds and insects, finishing up planting, caring for livestock, and cutting hay.

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

WEATHER INFORMATION

Warm and dry conditions dominated the week once again over nearly the whole state, according to the State Climate Office of South Dakota. Very little precipitation occurred statewide along with much above average temperatures. The combination of high temperatures, lower relative humidities and higher crop water use are producing potentially stressful crop situations across the state. Crop reports are coming with various places where corn and soybeans are showing stress.

Isolated precipitation fell in a few areas of the state. By far most of the state received little or no precipitation. Faith received the most precipitation for the week at 1.14 inches. A few other stations received amounts over a half inch. Seventeen stations received no precipitation for the week. Another thirteen received less than 0.10 inch. Several growing season precipitation deficits have reached over 3 inches or more.

Temperatures for the week averaged from the upper 70's to the low 80's. These averages ranged from a few degrees above average in the northeast to over 10°F above average in the southwest. The highest temperature was 111° F at Buffalo. The lowest reported was 51° F at Custer, Chamberlain and Mobridge.

SOIL CONDITION

Topsoil moisture was rated at 28 percent in adequate to surplus, 47 percent short and 25 percent very short. Subsoil moisture was rated at 35 percent adequate to surplus, 42 percent short and 23 percent very short.

FIELD CROPS REPORT

Winter wheat harvest was under way with 11 percent harvested. Corn had an average height of 43 inches, ahead of the five year average of 26 inches. Eighty percent of corn had been cultivated or sprayed twice. Soybeans were at 29 percent blooming, ahead of the five year average of 8 percent. Sunflowers were at 100 percent planted. Spring wheat was at 65 percent turning color, with 1 percent ripe. Barley was at 92 percent headed, with 48 percent turning color. Oats were reported at 98 percent headed, with 56 percent turning color and 12 percent ripe.

Soil Moisture Condition Comparison as of July 1, 2012

Rating	Topsoil			Subsoil		
	This Week	Last Year	Last Year	This Week	Last Year	Last Year
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	25	11	0	23	15	0
Short	47	40	1	42	35	1
Adequate	27	46	60	34	46	60
Surplus	1	3	40	1	4	39

LIVESTOCK, PASTURE, AND RANGE REPORT

Cattle conditions were rated 89 percent in the good to excellent range, while sheep conditions were rated 95 percent good to excellent. Stock water supplies were 5 percent very short, 25 percent short and 70 percent adequate to surplus. Feed supplies were 3 percent very short, 23 percent short and 74 percent adequate to surplus. Range and pasture conditions were rated 6 percent very poor, 21 percent poor, 38 percent fair and 35 percent good to excellent.

Feed and Water Supplies Comparison as of July 1, 2012

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	3	0	1	5	0	2
Short	23	3	4	25	1	4
Adequate	72	84	84	69	55	69
Surplus	2	13	11	1	44	24

Crop and Livestock Conditions as of July 1, 2012

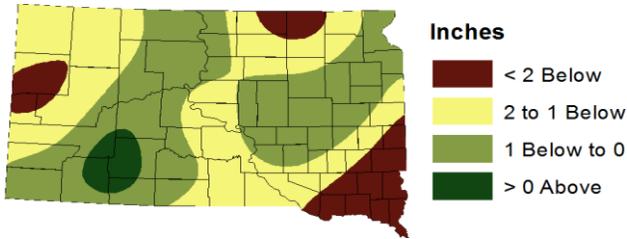
Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Winter Wheat	5	12	24	52	7
Spring Wheat	2	7	31	56	4
Barley	0	2	36	61	1
Oats	11	6	29	48	6
Corn	1	5	28	55	11
Soybeans	1	4	32	54	9
Sorghum	0	9	41	47	3
Sunflower	0	4	28	67	1
Alfalfa	10	31	39	19	1
Cattle	0	1	10	78	11
Sheep	0	0	5	73	22
Range & Pasture	6	21	38	29	6

Crop Progress as of July 1, 2012 ¹

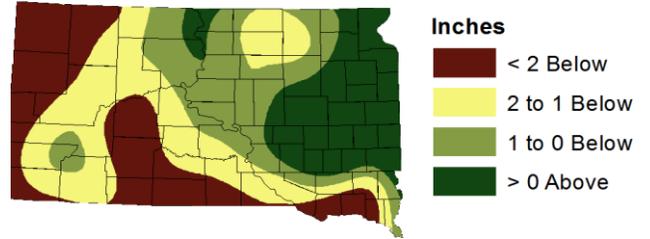
Item	This Week	Last Week	Last Year	5-Yr Avg.
	Percent	Percent	Percent	Percent
Winter Wheat				
Turning Color	97	84	22	48
Ripe	44	16	0	2
Harvested	11	1	0	0
Barley				
Headed	92	69	10	51
Turning Color	48	11	0	3
Oats				
Headed	98	94	49	66
Turning Color	56	22	0	10
Ripe	12	1	0	0
Spring Wheat				
Turning Color	65	17	6	6
Ripe	1	0	0	0
Corn				
Ave. Height (in.)	43	28	19	26
2nd cult./spray	80	50	26	36
Silked	4	0	0	0
Soybeans				
Blooming	29	11	1	8
Sorghum				
Emerged	100	92	86	91
Headed	1	0	0	0
Sunflower				
Planted	100	94	94	94
Blooming	0	0	0	0
Alfalfa				
1st Cutting	96	77	71	76
2nd Cutting	38	19	6	6
Other Hay				
Cut	69	43	34	40

¹ Percents represent all acreage in or beyond each stage.

PAST 30 DAYS
Accumulated Precip Deviation from Average
From June 2 to July 1, 2012



GROWING SEASON
Accumulated Precip Deviation from Average
From April 1 to July 1, 2012



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, July 1, 2012

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		
	Degrees	Degrees	Degrees	Degrees	Inches	Inches	Inches	Inches	Inches		
Northwest											
Bison	75	7	100	53	0.01	8.88	5.68	-4.22	-2.78	1,066	132
Buffalo	78	11	111	56	0.03	6.18	3.84	-6.35	-4.31	1,060	201
Dupree	77	8	99	54	0.31	9.94	7.18	-3.36	-1.67	1,111	91
McIntosh	75	6	95	57	0.02	7.80	7.02	-3.83	-0.76	1,063	88
Newell	77	9	104	57	0.00	6.82	4.70	-5.05	-3.10	1,137	217
Timber Lake	76	6	96	57	0.53	11.40	8.56	-2.05	0.05	1,138	157
North Central											
Aberdeen	74	5	91	53	0.20	9.14	6.03	-4.31	-2.38	1,150	141
Faulkton	73	3	90	52	0.74	9.69	7.80	-4.16	-0.64	1,131	92
Mobridge	75	5	92	51	0.21	11.00	7.76	-1.76	0.34	1,104	119
Roscoe	74	6	89	57	0.55	9.85	7.43	-4.18	-1.66	1,051	169
Northeast											
Britton	73	2	90	53	0.00	10.58	8.23	-2.79	-0.18	1,124	64
Clear Lake	71	2	85	57	0.00	15.71	11.26	-1.51	1.12	1,007	10
Sisseton	71	1	88	56	0.00	12.30	9.49	-2.43	0.80	1,113	78
Watertown	73	4	87	56	0.04	13.67	10.84	-0.79	1.93	1,066	97
Webster	75	6	88	62	0.00	11.69	8.77	-2.30	0.16	1,077	99
West Central											
Faith	77	7	103	57	1.14	10.34	7.90	-2.73	0.03	1,154	156
Milesville	80	9	105	56	0.05	8.79	6.49	-5.10	-2.50	1,280	228
Philip	80	10	108	54	0.11	5.97	4.38	-6.49	-3.88	1,268	221
Rapid City	78	10	109	55	0.00	10.36	7.24	-1.53	-0.43	1,126	205
Spearfish	77	6	103	56	0.70	10.69	6.78	-5.88	-3.34	1,170	308
Central											
Chamberlain	78	7	96	51	0.01	15.42	8.77	0.28	-0.58	1,270	161
Highmore	75	5	93	54	0.05	11.77	8.17	-3.09	-1.64	1,082	14
Huron	77	6	91	59	0.00	16.37	10.56	1.78	1.61	1,266	209
Onida	76	5	98	55	0.09	14.41	8.30	1.25	0.65	1,151	70
Pierre	77	5	100	55	0.00	11.02	7.12	-2.82	-1.68	1,187	99
Wessington Spr.	75	3	90	63	0.00	17.11	13.02	0.66	2.75	1,159	69
East Central											
Brookings	74	5	91	58	0.00	15.49	11.88	-0.99	1.72	1,115	196
Madison	76	6	98	59	0.00	18.52	14.28	1.74	4.06	1,221	215
Mitchell	81	9	97	66	0.00	18.84	13.29	2.41	2.72	1,379	271
Sioux Falls	78	7	96	59	0.06	12.98	7.74	-3.44	-2.09	1,295	211
Southwest											
Custer	72	9	96	51	0.08	9.65	6.81	-3.40	-1.40	797	127
Hot Springs	80	11	105	57	0.10	9.47	6.70	-2.54	-1.46	1,305	267
Oelrichs	78	9	106	58	0.00	10.78	8.12	-2.09	-0.51	1,251	216
Porcupine	77	7	102	57	0.04	11.19	7.98	-1.54	-0.49	1,245	198
South Central											
Kennebec	79	6	99	59	0.00	12.67	8.32	-0.44	-0.39	1,368	178
Mission	79	8	101	63	0.04	10.89	6.22	-3.01	-2.99	1,266	291
Murdo	80	8	103	65	0.04	11.21	8.53	-3.32	-0.48	1,249	186
Winner	80	8	100	61	0.10	12.29	7.61	-3.93	-2.35	1,352	144
Southeast											
Academy	78	7	97	62	0.00	13.77	9.04	-1.80	-1.30	1,235	125
Centerville	79	7	101	63	0.14	10.87	7.15	-5.42	-3.02	1,332	227
Pickstown	82	9	99	64	0.11	11.11	7.45	-5.29	-3.13	1,402	253
Vermillion	81	7	99	64	0.00	14.13	9.75	-3.74	-1.54	1,530	228
Yankton	79	6	101	64	0.00	13.17	7.14	-4.17	-3.89	1,373	219

DATA AND MAP SOURCE: State Climate Office of South Dakota