

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

Conditions continued to decline, as the area endured another week of high temperatures and minimal moisture. Dry conditions allowed for 6.9 days suitable for field work. Major activities last week included harvesting of small grains, hauling water for livestock, 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

Little change in drought conditions occurred across the state, according to the State Climate Office of South Dakota. Warm and very dry conditions continued to dominate throughout most of the week statewide. All locations in the state were included in some form on the US Drought Monitor map. The worst locations were in D2 (Severe Drought) in the south central and far west.

Average temperatures were in the 70's to low 80's. These temperatures ranged from near to slightly above average across most of the southern part of the state to over 5° F above average across the north. Daily temperatures once again reached triple digits in much of the west. Highs in the northeast reached around 90° F for a high. Milesville had the high for the week at 107° F. Custer had the low at 50° F. These temperatures continue to plague already dry locations across much of the state increasing stress on already stressed crops, pastures, and rangeland.

Precipitation for the week was very light or non-existent across nearly the whole state. Most locations received very light totals. A few isolated stations (not in this report) received more than an inch of precipitation. All stations reported here received much less than an inch. Webster received the highest total at 0.65 inches. Fourteen locations received no precipitation. Many locations statewide (most in the southeast) over the last 30 days are in the top ten driest all time.

SOIL CONDITION

Topsoil moisture dwindled from last week's 27 percent adequate to surplus to 11 percent in adequate, 38 percent short and 51 percent very short. Subsoil moisture was rated at 15 percent adequate, 46 percent short and 39 percent very short.

FIELD CROPS REPORT

Small grain harvest was underway with winter wheat at 82 percent harvested, oats at 48 percent, spring wheat at 12 percent and barely at 2 percent. All were well ahead of last year and the five year average. Sixty percent of corn had tasseled, with 36 percent in the silked and 3 percent in the dough stage. Soybeans were at 74 percent blooming with 12 percent setting pods ahead of the five year average of 3 percent setting pods. Sorghum had 12 percent of the crop headed. Sunflowers were at 8 percent blooming ahead of the five year average of 2 percent.

LIVESTOCK, PASTURE, AND RANGE REPORT

Cattle conditions were rated 77 percent in the good to excellent range, while sheep conditions were rated 85 percent good to excellent. Stock water supplies were 10 percent very short, 33 percent short and 57 percent adequate. Feed supplies were 7 percent very short, 35 percent short and 58 percent adequate to surplus. Range and pasture conditions were rated 14 percent very poor, 29 percent poor, 37 percent fair and 20 percent good to excellent.

Feed and Water Supplies Comparison as of July 15, 2012

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	0	10	0	3
Short	35	2	5	33	1	8
Adequate	57	83	83	57	71	71
Surplus	1	15	12	0	27	18

Soil Moisture Condition Comparison as of July 15, 2012

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	51	32	0	39	27	1
Short	38	41	4	46	44	3
Adequate	11	26	71	15	28	66
Surplus	0	1	25	0	1	30

Crop and Livestock Conditions as of July 15, 2012

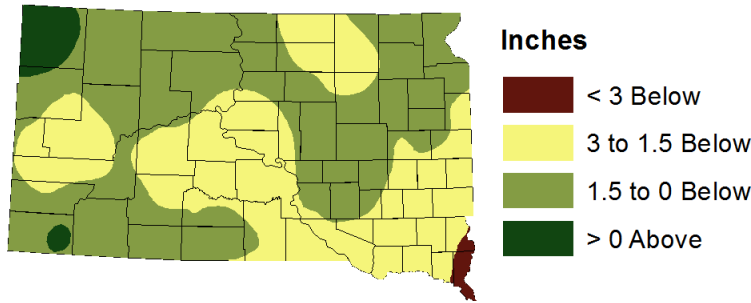
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	0	7	33	49	11
Spring Wheat	2	24	28	40	6
Barley	1	20	38	34	7
Oats	11	12	30	42	5
Corn	7	20	36	33	4
Soybeans	3	17	39	37	4
Sorghum	0	11	60	28	1
Sunflower	1	39	34	26	0
Alfalfa	21	36	30	13	0
Cattle	0	2	21	66	11
Sheep	0	1	14	66	19
Range & Pasture	14	29	37	18	2

Crop Progress as of July 15, 2012 ¹

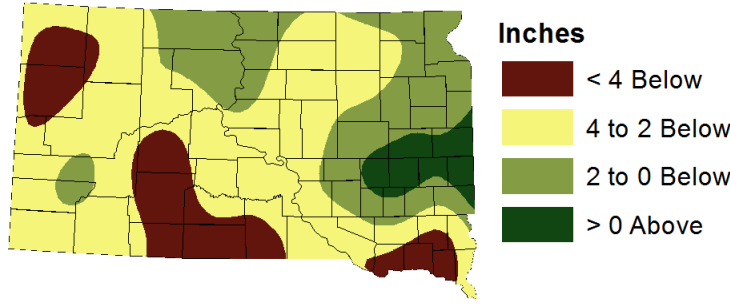
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Ripe	98	89	14	42
Harvested	82	41	1	15
Barley				
Turning Color	98	78	5	40
Ripe	56	5	1	5
Harvested	2	0	0	0
Oats				
Turning Color	96	84	39	56
Ripe	68	34	4	13
Harvested	48	20	1	3
Spring Wheat				
Turning Color	99	92	18	45
Ripe	60	10	1	5
Harvested	12	0	0	0
Corn				
2nd cult./spray	97	87	59	71
Tasseled	60	52	9	18
Silked	36	24	1	6
Dough	3	0	0	0
Soybeans				
Blooming	74	45	31	41
Setting Pods	12	0	0	3
Sorghum				
Headed	12	4	2	11
Sunflower				
Blooming	8	0	1	2
Alfalfa				
2nd Cutting	79	69	26	34
3rd Cutting	9	0	0	0
Other Hay				
Cut	84	73	60	67

¹ Percents represent all acreage in or beyond each stage.

PAST 30 DAYS
Accumulated Precip Deviation from Average
From June 16 to July 15, 2012



GROWING SEASON
Accumulated Precip Deviation from Average
From April 1 to July 15, 2012



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, July 15, 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		
	<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	78	6	98	56	0.11	10.17	6.97	-5.86	-4.42	1,391	178
Buffalo	78	8	99	56	0.05	7.54	5.20	-7.73	-5.69	1,387	265
Dupree	81	9	103	59	0.05	10.76	8.00	-4.00	-2.31	1,437	123
McIntosh	77	6	96	57	0.23	9.24	8.46	-4.48	-1.41	1,388	126
Newell	76	4	100	58	0.01	7.28	5.16	-6.69	-4.74	1,460	254
Timber Lake	80	8	101	60	0.04	12.40	9.56	-3.36	-1.26	1,481	208
North Central											
Aberdeen	76	5	95	53	0.14	9.43	6.32	-6.23	-4.30	1,490	185
Faulkton	77	5	95	57	0.10	9.90	8.01	-6.01	-2.49	1,465	130
Mobridge	78	5	97	57	0.07	11.90	8.66	-2.40	-0.30	1,439	158
Roscoe	77	7	92	51	0.03	10.49	8.07	-5.87	-3.35	1,397	258
Northeast											
Britton	76	3	90	57	0.21	11.00	8.65	-4.95	-2.34	1,480	120
Clear Lake	74	4	89	57	0.02	15.73	11.28	-4.06	-1.43	1,346	54
Sisseton	75	3	92	58	0.05	12.41	9.60	-4.93	-1.70	1,457	123
Watertown	74	3	90	57	0.03	13.70	10.87	-3.03	-0.31	1,421	156
Webster	77	6	91	64	0.65	12.34	9.42	-4.45	-1.99	1,453	183
West Central											
Faith	78	5	98	58	0.03	11.30	8.86	-4.22	-1.46	1,493	196
Milesville	82	8	107	57	0.05	9.24	6.94	-7.01	-4.41	1,618	261
Philip	80	6	104	53	0.00	6.08	4.49	-8.46	-5.85	1,608	261
Rapid City	77	5	104	56	0.06	11.04	7.92	-1.84	-0.74	1,447	243
Spearfish	80	6	101	58	0.01	10.93	7.02	-7.46	-4.92	1,513	369
Central											
Chamberlain	80	6	97	59	0.10	15.52	8.87	-1.23	-2.09	1,648	226
Highmore	78	7	96	57	0.00	11.77	8.17	-6.50	-5.05	1,406	38
Huron	77	4	95	59	0.08	16.45	10.64	-0.30	-0.47	1,639	272
Onida	78	5	96	57	0.03	14.49	8.38	-0.63	-1.23	1,496	108
Pierre	80	5	100	58	0.00	11.06	7.16	-4.46	-3.32	1,539	132
Wessington Spr.	78	4	93	63	0.04	17.20	13.11	-1.92	0.17	1,535	336
East Central											
Brookings	75	5	90	55	0.00	15.49	11.88	-3.06	-0.35	1,473	60
Madison	76	5	88	55	0.02	18.54	14.30	-0.51	1.81	1,580	275
Mitchell	81	7	102	64	0.00	18.84	13.29	1.15	1.46	1,768	340
Sioux Falls	76	3	96	56	0.00	12.98	7.74	-5.40	-4.05	1,671	270
Southwest											
Custer	69	3	90	50	0.16	10.75	7.91	-4.26	-2.26	1,060	159
Hot Springs	78	6	100	55	0.00	10.31	7.54	-3.54	-2.46	1,625	300
Oelrichs	76	3	100	55	0.00	11.27	8.61	-3.96	-2.38	1,573	242
Porcupine	77	4	100	56	0.23	11.43	8.22	-3.82	-2.77	1,566	223
South Central											
Kennebec	81	6	104	53	0.04	12.75	8.40	-2.65	-2.60	1,732	219
Mission	78	5	98	54	0.00	11.13	6.46	-4.70	-4.68	1,575	305
Murdo	82	8	100	64	0.00	11.24	8.56	-5.53	-2.69	1,626	254
Winner	80	5	101	58	0.21	12.51	7.83	-6.61	-5.03	1,731	194
Southeast											
Academy	77	4	96	58	0.06	13.89	9.16	-3.84	-3.34	1,601	180
Centerville	75	2	96	53	0.00	10.87	7.15	-8.13	-5.73	1,696	280
Pickstown	80	5	103	61	0.00	11.11	7.45	-7.71	-5.55	1,784	307
Vermillion	78	3	98	55	0.00	14.13	9.75	-7.90	-5.70	1,875	232
Yankton	76	2	99	56	0.00	13.32	7.29	-6.73	-6.45	1,736	255

⁰ AND MAP SOURCE: State Climate Office of South Dakota