

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

Mild weather throughout the state helped producers make progress in row crop planting and hay harvesting, while some areas still need a few warm, rain-free days to dry things out. Statewide, farmers and ranchers had 5.3 days suitable for fieldwork. Major farm activities included planting row crops, post-emergence spraying, cultivating, and haying.

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

WEATHER INFORMATION

Temperatures continued to rise, as high pressure influenced the state and thunderstorms became less frequent. One moved from Corson County to Douglas County on Thursday morning, bringing large hail up to softball-size and confirmed severe crop damage along with it. Crop and property damage was confirmed with this storm. Other than the precipitation associated with this event and a couple other storm events on the same day, most of the state received less than a half inch of precipitation. The highest precipitation reported was 1.91" at Armour; the lowest, 0.01" at Spearfish. While conditions have improved overall, several stations in the west and southeast are still running below average on precipitation since April 1. Mostly western stations are behind since October 1. Short-term moisture deficits are showing up in the eastern edge of the state, where precipitation totals over the last 30 days have been up to an inch below average.

Temperatures were much warmer than average, overall, with temperatures 1-2° F above average in the southeast to 7° F above average in Rapid City. These temperatures were reaching stressful conditions across the western part of the state as highs reached well into the 90s F and over 100° F in Newell, Spearfish, and Oelrichs.

SOIL CONDITION

The topsoil moisture rating fell slightly last week, to 94 percent adequate to surplus, while the subsoil moisture rating held steady, at 90 percent adequate to surplus. Statewide, soil moisture ratings remain significantly higher than last year at this time, yet the southwest corner of the state continues to be dry.

FIELD CROPS REPORT

While soybean and sorghum planting near completion, sunflower planting continues to lag behind last year and the five-year average. Sunflower planting is rated at 80 percent complete, behind the five-year average of 92 percent. Corn advanced to an average height of 25 inches, with 92 percent of the corn crop sprayed or cultivated once and 34 percent of the crop sprayed or cultivated twice. Winter wheat is rated at 58 percent turning color, behind last year's development, yet ahead of the five-year average. The spring small grains are advancing through the boot stage, with barley, oats, and spring wheat headed rated at 44 percent, 66 percent, and 64 percent respectively.

LIVESTOCK, PASTURE, AND RANGE REPORT

While some areas need more rain-free days to help dry the hay, the first cutting of alfalfa advanced to 75 percent harvested, while other hay is rated at 26 percent harvested. The majority of alfalfa, range and pasture, cattle, and sheep remain rated in good to excellent conditions.

Feed and Water Supplies Comparison as of June 24, 2007

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	2	9	12	7	16	19
Short	9	29	21	9	25	24
Adequate	82	59	63	70	57	53
Surplus	7	3	4	14	2	4

Soil Moisture Condition Comparison as of June 24, 2007

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	24	3	5	27
Short	5	3	22	7	6	23
Adequate	77	71	53	74	68	48
Surplus	17	26	1	16	21	2

Crop and Livestock Conditions as of June 24, 2007

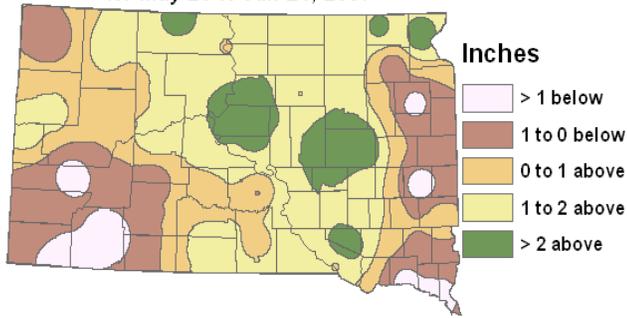
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	2	5	23	47	23
Spring Wheat	1	2	18	58	21
Barley	1	1	11	77	10
Oats	0	1	13	69	17
Corn	0	1	14	59	26
Soybeans	0	2	15	62	21
Sorghum	0	2	22	71	5
Sunflower	0	2	32	59	7
Alfalfa	1	3	14	62	20
Cattle	0	0	9	67	24
Sheep	0	0	7	69	24
Range & Pasture	2	4	19	53	22

Crop Progress as of June 24, 2007 ¹

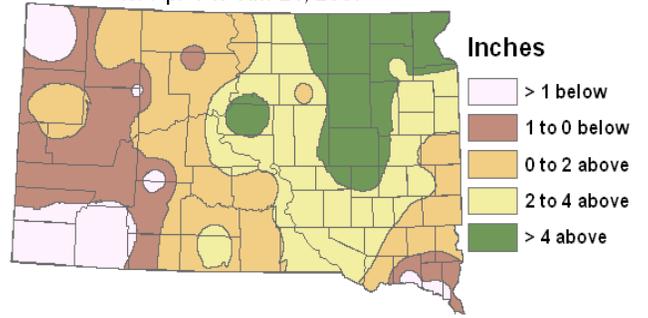
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Turning Color	58	17	75	36
Ripe	0	0	9	2
Barley				
Boot	97	80	93	86
Headed	44	24	67	52
Turning Color	1	0	4	2
Oats				
Boot	97	87	94	89
Headed	66	37	71	57
Turning Color	2	0	7	3
Spring Wheat				
Boot	96	84	95	92
Headed	64	31	79	63
Turning Color	1	0	6	2
Corn				
Ave Height (in.)	25	15	21	17
1st cult./spray	92	76	96	83
2nd cult./spray	34	14	32	21
Soybeans				
Emerged	97	86	98	95
Blooming	1	0	1	1
Sorghum				
Planted	95	87	100	95
Emerged	84	57	89	45
Sunflower				
Planted	80	58	96	92
Alfalfa				
1st Cutting	75	55	86	69
2nd Cutting	1	0	6	2
Other Hay				
Cut	26	17	46	29

¹ Percents represent all acreage in or beyond each stage.

Accumulated Precip Departure from Normal
for May 26 to Jun 24, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Jun 24, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, June 24, 2007

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	3	95	47	0.00	10.39	7.53	-1.39	0.42	866	83
Buffalo	68	4	98	43	0.01	7.38	5.28	-3.89	-2.07	762	136
Dupree	71	3	93	49	0.23	11.55	8.32	-0.58	0.65	944	139
McIntosh	67	0	88	45	0.12	11.86	8.49	1.26	1.81	829	23
Newell	73	5	101	51	0.17	10.98	7.66	0.20	0.97	852	89
Timber Lake	70	2	89	48	1.10	11.36	6.87	-1.04	-0.57	912	128
North Central											
Aberdeen	71	2	87	49	0.06	22.34	18.08	9.94	10.74	981	171
Faulkton	71	3	87	48	0.05	13.64	8.72	0.86	1.40	942	126
Mobridge	71	2	88	45	0.41	10.66	6.95	-0.26	0.28	1,005	210
Roscoe	70	3	88	49	0.74	15.01	11.08	2.21	3.23	884	165
Northeast											
Britton	71	4	86	52	1.04	20.22	15.90	7.95	8.59	1,002	181
Clear Lake	70	3	86	50	0.16	17.48	11.19	1.56	2.38	908	187
Sisseton	71	3	84	55	0.75	19.92	13.23	6.17	5.79	992	196
Watertown	72	5	86	50	0.07	15.74	10.43	2.35	2.61	993	295
Webster	70	3	84	53	0.21	17.58	10.85	4.91	3.62	906	174
West Central											
Faith	71	2	95	48	0.46	9.67	6.04	-2.24	-1.16	873	40
Milesville	72	3	95	51	0.85	12.91	8.81	0.09	0.94	1,007	134
Philip	74	5	99	51	0.20	9.78	5.86	-1.69	-1.39	1,046	164
Rapid City	73	7	98	55	0.03	8.85	6.63	-2.55	-0.52	828	121
Spearfish	71	5	101	52	0.01	13.02	9.06	-2.63	-0.13	918	203
Central											
Chamberlain	74	5	91	58	0.06	18.62	12.24	4.10	3.47	1,059	202
Highmore	71	2	87	48	0.18	14.54	10.39	1.14	2.23	926	102
Huron	72	3	88	53	0.04	20.82	15.57	7.29	7.64	1,061	208
Onida	71	2	91	48	0.37	19.84	14.50	6.97	7.21	971	144
Pierre	73	2	89	52	0.06	14.65	10.50	1.59	2.51	994	88
East Central											
Brookings	71	4	88	53	0.15	13.63	8.47	0.16	0.07	957	209
Forestburg	73	3	89	51	0.41	19.40	13.40	4.73	4.73	1,119	156
Madison	71	4	89	53	0.13	17.10	11.42	1.53	2.44	993	245
Mitchell	74	3	90	54	0.69	17.99	11.14	3.02	2.24	1,105	212
Sioux Falls	72	3	91	53	1.66	19.46	9.46	3.94	0.58	1,080	219
Southwest											
Custer	65	4	89	39	0.32	10.21	7.11	-2.48	-0.83	611	75
Hot Springs	73	5	97	47	0.60	8.59	5.95	-2.53	-1.30	998	138
Oelrichs	72	4	101	46	0.04	6.60	4.59	-5.04	-2.79	961	109
Porcupine	71	3	98	45	0.10	8.50	5.42	-2.89	-1.69	952	131
South Central											
Kennebec	74	3	91	51	0.02	14.41	8.15	2.51	0.67	1,190	171
Mission	72	3	89	53	0.01	16.92	10.77	3.91	2.46	1,025	245
Murdo	72	3	90	53	0.00	14.24	9.53	0.80	1.64	956	120
Winner	74	3	91	55	0.19	17.79	10.14	2.29	0.94	1,048	23
Southeast											
Armour	73	1	89	55	1.91	20.70	12.77	5.31	3.87	1,168	133
Centerville	73	2	92	54	0.15	15.48	9.04	-0.12	-0.26	1,103	180
Pickstown	72	1	91	52	0.23	18.81	11.48	3.66	2.18	1,077	143
Vermillion	74	1	91	51	0.24	16.03	7.72	0.02	-1.67	1,237	128
Yankton	73	2	93	54	0.42	17.47	7.98	1.57	-1.58	1,104	153

DATA AND MAP SOURCE: State Climate Office of South Dakota