

South Dakota Weekly Crop Weather Report

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Cooperating with:
SOUTH DAKOTA STATE UNIVERSITY
AGRICULTURAL EXTENSION SERVICE and
U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

Despite scattered rainfall, dry conditions over the entire state allowed producers 6.6 days suitable for fieldwork. Major farm activities included harvesting small grains and hay, caring for livestock, and irrigating where available.

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

WEATHER INFORMATION

Average temperatures across the state were above normal, according to the State Climate Office of South Dakota. Temperatures soared over 100°F in the western part of the state with Milesville and Philip hitting 109 and 108°F, respectively. Rapid City broke high temperature records for July 21st and 22nd. The east side of the state remained relatively cooler with highs in upper 80s and 90s. Higher temperatures continued to induce stress on crops this week, especially in the western parts of the state. Precipitation in the last 30 days has been below normal for the entire state. On a positive note, several parts of the state received at least some rain. The western part of the state received much needed rainfall, with Buffalo and Rapid City receiving over 1 inch of rain last week. Sioux Falls received 0.31 inch of rain, after a stretch of over 25 days of insignificant to no precipitation. The northwestern and southwestern corners of the state, along with the southeastern corner and portions of Brookings County, continue to be 2 inches or more below normal since the first of October.

SOIL CONDITION

While most parts of the state received at least some precipitation this past week, dry conditions remain across the state. Warmer-than-average temperatures have also contributed to dryer topsoil moisture and subsoil moisture conditions. The topsoil moisture rating continues to decline, with 68 percent rated short or very short, up 14 percentage points from last week and seven points higher than the five-year average of 61 percent. The subsoil moisture rating also declined, with 46 percent rated short or very short, up from 34 percent last week, but still better than normal, at 57 percent.

FIELD CROPS REPORT

Warm weather and dry conditions have allowed the continued rapid progression of the winter wheat harvest and the start of the harvest of other small grains. Winter wheat harvest hit 80 percent completed this week, ahead of the five-year average of 66 percent. Barley, oats, and spring wheat harvests saw their first week of significant gains at 6 percent, 29 percent, and 11 percent completed, respectively. Corn tasseled has progressed to 72 percent, which is well ahead of the five-year average of 50 percent. Soybeans are 78 percent blooming, ahead of normal, at 67 percent.

LIVESTOCK, PASTURE, AND RANGE REPORT

The dry soils continue to hurt alfalfa and range and pasture conditions. Alfalfa condition dropped 6 percentage points in the good to excellent categories, now at 57 percent. Range and pasture condition dropped 4 percentage points rated good to excellent, now at 55 percent. The second cutting of alfalfa continues to progress quickly, now at 79 percent compete, and the third cutting of alfalfa has started in some areas of the state, with 3 percent harvested.

Feed and Water Supplies Comparison as of July 22, 2007

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	1	16	13	11	29	23
Short	11	41	23	18	33	26
Adequate	81	41	60	64	39	49
Surplus	7	2	4	7	0	3

Soil Moisture Condition Comparison as of July 22, 2007

Rating	Topsoil			Subsoil		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	14	10	49	9	10	44
Short	54	44	42	37	24	36
Adequate	31	44	9	51	61	20
Surplus	1	2	0	3	5	0

Crop and Livestock Conditions as of July 22, 2007

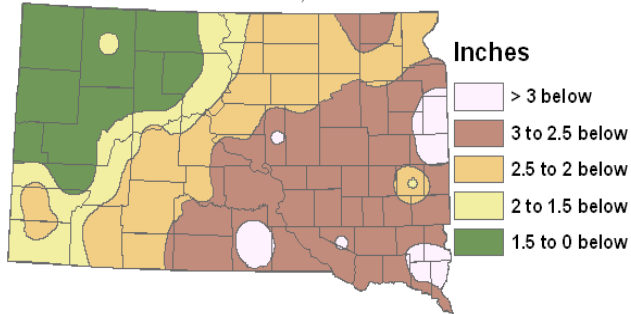
Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Spring Wheat	0	3	22	46	29
Barley	0	1	13	58	28
Oats	0	2	20	57	21
Corn	1	4	25	51	19
Soybeans	1	3	26	51	19
Sorghum	3	4	38	47	8
Sunflower	2	5	35	52	6
Alfalfa	4	11	28	47	10
Cattle	0	1	11	65	23
Sheep	0	1	6	52	41
Range & Pasture	3	9	33	42	13

Crop Progress as of July 22, 2007 ¹

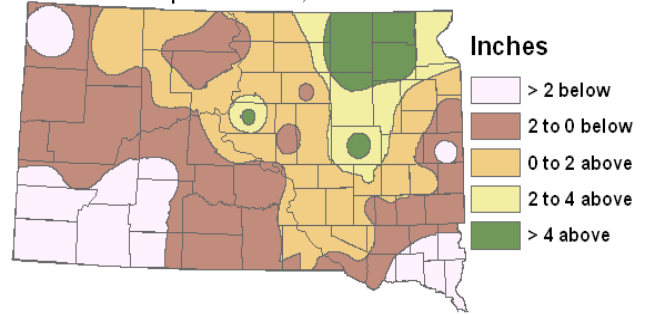
Item	This Week	Last Week	Last Year	5-Yr Avg.
	Percent	Percent	Percent	Percent
Winter Wheat				
Ripe	99	85	100	89
Harvested	80	50	89	66
Barley				
Turning Color	98	79	94	81
Ripe	52	18	46	33
Harvested	6	1	12	9
Oats				
Turning Color	96	87	95	87
Ripe	70	42	65	49
Harvested	29	10	41	26
Spring Wheat				
Turning Color	99	82	99	91
Ripe	46	14	64	41
Harvested	11	1	30	15
Corn				
2nd cult./spray	95	89	95	93
Tasseled	72	42	72	50
Silked	40	17	38	23
Dough	4	0	3	1
Soybeans				
Blooming	78	60	77	67
Setting Pods	12	5	15	13
Sorghum				
Headed	48	40	34	20
Coloring	0	0	7	5
Sunflower				
Blooming	8	4	12	7
Alfalfa				
2nd Cutting	79	58	70	57
3rd Cutting	3	1	6	2
Other Hay				
Cut	85	77	86	79

¹ Percents represent all acreage in or beyond each stage.

Accumulated Precip Departure from Normal
for Jun 23 to Jul 22, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Jul 22, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, July 22, 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	80	7	107	61	0.04	14.01	11.15	-0.02	1.79	1,501	127
Buffalo	82	12	103	61	1.10	8.65	6.55	-4.91	-3.09	1,403	279
Dupree	81	7	106	58	0.04	14.21	10.98	-0.22	1.01	1,586	183
McIntosh	78	6	107	59	0.01	12.90	9.53	0.02	0.57	1,469	71
Newell	80	6	101	61	0.38	11.79	8.47	-0.95	-0.18	1,496	132
Timber Lake	79	7	105	60	0.03	12.88	8.39	-1.94	-1.47	1,532	153
North Central											
Aberdeen	74	2	92	54	0.22	23.06	18.80	7.86	8.66	1,570	161
Faulkton	74	1	95	55	0.01	14.19	9.27	-0.93	-0.39	1,535	114
Mobridge	81	8	105	60	0.04	11.94	8.23	-1.17	-0.63	1,621	206
Roscoe	73	1	94	55	0.03	15.52	11.59	0.01	1.03	1,449	159
Northeast											
Britton	75	3	89	59	0.12	19.78	15.46	4.32	4.96	1,662	261
Clear Lake	72	1	86	54	0.12	17.62	11.33	-1.69	-0.87	1,469	185
Sisseton	73	1	89	56	0.77	20.99	14.30	4.30	3.92	1,566	175
Watertown	75	4	92	55	0.17	16.45	11.14	0.17	0.43	1,560	310
Webster	73	1	89	58	0.79	22.69	15.96	6.65	5.36	1,479	166
West Central											
Faith	82	8	106	60	0.03	12.66	9.03	-1.77	-0.69	1,560	98
Milesville	83	8	109	62	0.00	13.55	9.45	-2.01	-1.16	1,656	153
Philip	84	9	108	62	0.00	9.81	5.89	-3.85	-3.55	1,728	219
Rapid City	82	10	106	64	1.02	9.84	7.62	-3.55	-1.52	1,493	213
Spearfish	81	8	99	63	0.72	14.68	10.72	-3.29	-0.79	1,583	289
Central											
Chamberlain	82	7	103	59	0.16	18.89	12.51	1.59	0.96	1,708	224
Highmore	79	6	103	60	0.04	14.73	10.58	-1.71	-0.62	1,549	121
Huron	77	4	98	58	0.12	21.02	15.77	4.73	5.08	1,692	208
Onida	80	6	103	60	0.03	19.86	14.52	4.42	4.66	1,587	152
Pierre	82	6	107	62	0.01	14.91	10.76	-0.87	0.05	1,655	96
East Central											
Brookings	70	-1	88	47	0.12	13.77	8.61	-2.81	-2.90	1,497	185
Forestburg	78	3	97	55	0.10	19.50	13.50	2.10	2.10	1,746	134
Madison	73	2	92	51	1.21	18.34	12.66	-0.18	0.73	1,575	260
Mitchell	75	0	96	51	0.00	17.99	11.14	0.41	-0.37	1,720	175
Sioux Falls	76	2	97	54	0.31	19.78	9.78	1.49	-1.87	1,698	214
Southwest											
Custer	75	8	95	59	0.23	11.04	7.94	-4.45	-2.80	1,141	180
Hot Springs	79	7	101	58	0.10	8.82	6.18	-4.73	-3.50	1,610	183
Oelrichs	82	7	104	59	0.24	7.17	5.16	-6.57	-4.32	1,632	185
Porcupine	82	9	104	56	0.00	9.33	6.25	-4.60	-3.40	1,618	203
South Central											
Kennebec	82	5	102	62	0.03	14.53	8.27	0.01	-1.83	1,877	203
Mission	80	7	101	63	0.00	16.52	10.37	0.72	-0.73	1,664	264
Murdo	82	7	102	63	0.00	14.74	10.03	-1.46	-0.62	1,645	175
Winner	83	6	102	62	0.00	19.80	12.15	1.21	-0.14	1,751	56
Southeast											
Armour	78	2	100	58	0.03	20.83	12.90	2.48	1.04	1,820	112
Centerville	77	3	98	60	0.00	15.48	9.04	-3.34	-3.48	1,742	170
Pickstown	78	3	101	59	0.00	19.00	11.67	1.13	-0.35	1,712	112
Vermillion	76	0	96	57	0.20	16.53	8.22	-2.67	-4.36	1,883	92
Yankton	79	4	99	55	0.46	18.12	8.63	-0.97	-4.12	1,747	141

DATA AND MAP SOURCE: State Climate Office of South Dakota