

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

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For Week Ending August 5, 2007
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AGRICULTURAL SUMMARY

Some locations in South Dakota received some much needed rain at the end of this past week, while other locations are still seeking precipitation to aid in crop development, pasture and range conditions, and livestock water supplies. With 5.9 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

A widespread storm system brought rainfalls in excess of one inch to an area south of US Highway 212 and roughly east of a line extending from Gettysburg to Martin, according to the State Climate Office of South Dakota. Embedded in this area were smaller areas of rainfall in excess of 5 inches. This brought some much-needed rainfall to these areas and unfortunately, some flooding. This rainfall was the first significant rainfall much of this area had seen in 4 to 6 weeks. Despite the heavy rainfalls, much of the state is still below average for total precipitation since April 1. Temperatures continue to run above average over most of the state and growing degree day accumulation continues to be ahead of average for the whole state.

SOIL CONDITION

Rainfall in some areas of the state allowed for improvement in topsoil moisture ratings, with 66 percent of the state now rated short or very short, down 11 percentage points from 77 percent last week, but equal to the five-year average. The subsoil moisture rating has remained stable, with 60 percent rated short or very short, up only one point from last week.

FIELD CROPS REPORT

The small grain harvest continues to progress rapidly across the state. The spring wheat harvest has progressed to 74 percent completed this week, 37 percentage points ahead of last week and 10 points ahead of the five-year average. The barley harvest is now 52 percent complete, up 22 points from last week and the oats harvest is 90 percent complete, 20 points ahead of last week. The row crops are also continuing to progress with 86 percent of the corn crop silked, up 9 points from the five-year average. Fifty-nine percent of soybeans are setting pods, which is slightly ahead of the five-year average of 55 percent.

LIVESTOCK, PASTURE, AND RANGE REPORT

The lack of precipitation over the last month continues to hurt alfalfa and range and pasture conditions. Alfalfa condition dropped 7 percentage points in the good to excellent categories, now at 35 percent. Range and pasture condition also dropped 7 percentage points rated good to excellent, now at 37 percent. However, the cattle and sheep conditions have improved, up to 81 percent and 90 percent rated good to excellent, respectively.

Feed and Water Supplies Comparison as of August 5, 2007

Rating	Feed Supplies			Stock Water Supplies		
	This Week	Last Year	5 Yr. Avg.	This Week	Last Year	5 Yr. Avg.
Very Short	2	22	16	15	35	26
Short	14	40	24	23	34	28
Adequate	78	37	56	56	31	44
Surplus	6	1	4	6	0	2

Soil Moisture Condition Comparison as of August 5, 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	25	27	58	21	17	55
Short	41	50	30	39	42	34
Adequate	32	22	12	37	39	11
Surplus	2	1	0	3	2	0

Crop and Livestock Conditions as of August 5, 2007

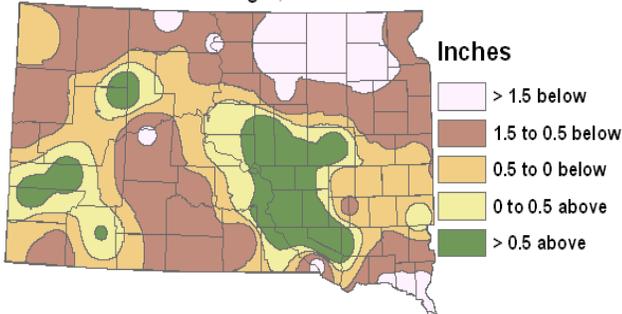
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Spring Wheat	1	4	25	48	22
Barley	0	1	20	62	17
Oats	0	2	23	58	17
Corn	2	12	32	43	11
Soybeans	1	8	28	49	14
Sorghum	3	14	37	39	7
Sunflower	2	4	38	49	7
Alfalfa	6	21	38	31	4
Cattle	1	2	16	64	17
Sheep	0	1	9	65	25
Range & Pasture	5	16	42	30	7

Crop Progress as of August 5, 2007 ¹

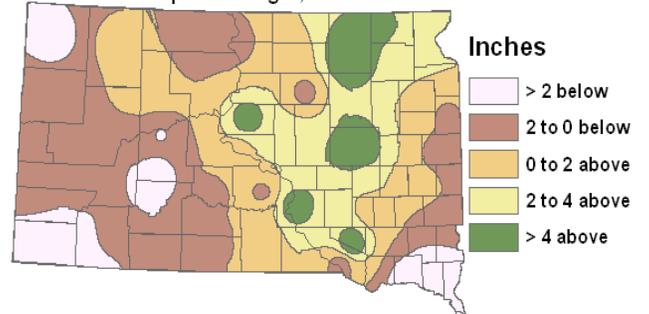
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Barley				
Ripe	95	86	93	81
Harvested	52	30	73	51
Oats				
Ripe	98	93	97	91
Harvested	90	70	88	75
Spring Wheat				
Ripe	96	81	96	90
Harvested	74	37	82	64
Corn				
Tasseled	98	93	95	93
Silked	86	68	83	77
Dough	18	10	25	16
Dent	3	1	3	2
Silage Harvested	1	0	4	1
Soybeans				
Blooming	95	88	96	92
Setting Pods	59	38	67	55
Sorghum				
Headed	79	67	79	62
Coloring	8	3	26	13
Silage Harvested	0	0	9	2
Sunflower				
Blooming	36	20	53	41
Ray Flowers Dry	2	0	3	4
Bracts Yellow	0	0	1	1
Alfalfa				
2nd Cutting	92	87	85	83
3rd Cutting	17	10	21	17
Other Hay				
Cut	93	89	93	90

¹ Percents represent all acreage in or beyond each stage.

Accumulated Precip Departure from Normal
for Jul 7 to Aug 5, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Aug 5, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, August 5, 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	77	4	101	57	0.05	14.13	11.27	-0.76	1.05	1,854	166
Buffalo	79	8	102	59	0.14	8.96	6.86	-5.37	-3.55	1,747	339
Dupree	79	5	100	60	0.40	15.61	12.38	0.34	1.57	1,952	234
McIntosh	76	2	101	53	0.03	12.93	9.56	-0.82	-0.27	1,806	93
Newell	79	5	100	58	0.16	12.12	8.80	-1.32	-0.55	1,839	153
Timber Lake	77	4	97	57	0.36	14.04	9.55	-1.76	-1.29	1,884	183
North Central											
Aberdeen	72	-1	90	51	0.04	23.11	18.85	6.70	7.50	1,896	165
Faulkton	73	-1	93	52	0.62	14.81	9.89	-1.54	-1.00	1,860	117
Mobridge	77	3	99	52	0.04	12.27	8.56	-1.81	-1.27	1,978	227
Roscoe	74	3	93	54	0.03	15.98	12.05	-0.70	0.32	1,784	190
Northeast											
Britton	74	2	91	55	0.06	20.36	16.04	3.62	4.26	2,012	297
Clear Lake	71	0	86	54	1.68	19.42	13.13	-1.29	-0.47	1,795	212
Sisseton	73	0	92	57	0.39	22.07	15.38	4.08	3.70	1,895	186
Watertown	71	1	90	54	1.14	17.65	12.34	0.14	0.40	1,884	344
Webster	72	-1	87	57	0.09	22.78	16.05	5.11	3.82	1,812	186
West Central											
Faith	78	3	97	61	0.00	15.64	12.01	0.24	1.32	1,921	130
Milesville	80	4	102	60	0.06	13.75	9.65	-2.99	-2.14	2,026	193
Philip	80	4	99	61	0.80	10.67	6.75	-3.89	-3.59	2,096	265
Rapid City	79	6	101	62	0.89	11.58	9.36	-2.65	-0.62	1,854	259
Spearfish	79	6	97	59	0.14	14.92	10.96	-3.89	-1.39	1,927	317
Central											
Chamberlain	76	1	94	55	6.01	24.90	18.52	6.41	5.78	2,065	256
Highmore	74	0	92	53	5.06	19.79	15.64	2.03	3.12	1,882	133
Huron	73	-1	91	54	3.54	24.56	19.31	7.15	7.50	2,038	223
Onida	75	1	94	55	2.41	22.29	16.95	5.73	5.97	1,928	174
Pierre	76	0	97	59	2.47	17.38	13.23	0.56	1.48	2,008	107
East Central											
Brookings	71	0	88	52	2.40	16.17	11.01	-1.67	-1.76	1,815	209
Forestburg	75	0	91	57	2.10	21.60	15.60	3.11	3.11	2,098	150
Madison	72	1	88	53	1.24	19.58	13.90	-0.32	0.59	1,908	299
Mitchell	75	1	91	60	1.65	19.64	12.79	1.01	0.23	2,074	193
Sioux Falls	75	2	89	59	2.83	22.61	12.61	3.06	-0.30	2,057	245
Southwest											
Custer	70	3	88	53	1.89	14.29	11.19	-2.47	-0.82	1,414	215
Hot Springs	77	5	96	59	1.27	10.45	7.81	-4.13	-2.90	1,952	227
Oelrichs	80	5	100	62	0.11	7.32	5.31	-7.26	-5.01	1,984	225
Porcupine	78	4	97	62	2.50	12.16	9.08	-2.76	-1.56	1,975	249
South Central											
Kennebec	78	1	93	55	2.45	16.98	10.72	1.33	-0.51	2,248	238
Mission	75	0	92	59	1.21	17.73	11.58	0.77	-0.68	2,017	289
Murdo	77	1	94	62	1.10	15.84	11.13	-1.39	-0.55	2,013	207
Winner	77	0	94	60	1.81	21.61	13.96	1.73	0.38	2,120	82
Southeast											
Armour	75	-1	90	59	6.51	27.34	19.41	7.74	6.30	2,177	125
Centerville	76	2	91	60	1.71	17.19	10.75	-3.03	-3.17	2,105	198
Pickstown	77	2	91	61	0.31	19.31	11.98	0.29	-1.19	2,092	147
Vermillion	76	0	91	61	0.00	16.53	8.22	-4.10	-5.79	2,258	117
Yankton	77	3	92	61	1.09	19.21	9.72	-1.28	-4.43	2,123	181

DATA AND MAP SOURCE: State Climate Office of South Dakota