

South Dakota Weekly Crop Weather Report

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National Agricultural Statistics Service
South Dakota Field Office
P.O. Box 5068
Sioux Falls, SD 57117-5068
Cooperating with:
SOUTH DAKOTA STATE UNIVERSITY
AGRICULTURAL EXTENSION SERVICE and
U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

Widespread rain caused continued delay in the completion of the planting of row crops as well as causing crop flooding and hail damage in some areas of the state. There were 2.0 days suitable for fieldwork in the past week. Farm activities focused on attempting to complete the planting of row crops, moving cattle to pasture, application of fertilizer and chemicals and general care of livestock.

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

WEATHER INFORMATION

Heavy precipitation was the main story of the week across much of the state, according to the State Climate Office of South Dakota. This rain fell on wet ground in many locations of the state. In the southeast part of the state this has led to delayed planting due to wet soil conditions. Across western parts of the state, the heavy rain has meant flooding along some streams and rivers. The positive aspect has also been the reports of ponds and dugouts filling in many places in the western part of the state.

Nearly the whole state received over two inches during the week with many areas receiving much more. The largest reports were from Milesville at 6.54 inches, DuPree at 6.50 inches and Spearfish at 6.19 inches. The far southwest was the driest location with Custer, Hot Springs and Oral receiving below an inch total. Temperatures were below average for the week overall with only the southeast above average for the week. Accumulations of growing degree days are behind average about 3 to 10 days. In addition to the rainfall, hail and wind have damaged crops and rangeland in several places across the state including northeast of Pierre, southern Perkins County and other areas.

SOIL CONDITION

Statewide topsoil moisture jumped 21 percentage points in the surplus category, this week estimated at 35 percent. Only 2 percent of the state is rated short or very short for topsoil moisture. Subsoil moisture also saw a large jump, the surplus category rising 16 percentage points to 22 percent. Nine percent of the state is rated short or very short for subsoil moisture.

FIELD CROPS REPORT

Statewide heavy precipitation made the completion of planting row crops difficult. While the weather conditions provided needed soil moisture in some areas, it produced crop flooding and severe hail damage in others. Corn emerged is now estimated at 77 percent complete, 17 percentage points behind the five-year average. The planting of soybeans increased to 79 percent complete and soybeans emerged has progressed to 35 percent. The small grains made their first significant increase in the boot stage with barley estimated at 6 percent, oats estimated at 18 percent, and spring wheat estimated at 16 percent.

LIVESTOCK, PASTURE, AND RANGE REPORT

Statewide precipitation helped improve range and pasture conditions over the past week, now rated at 75 percent good to excellent, 11 percentage points higher than last week. Feed supplies remained stable, currently rated at 90 percent adequate to surplus. The precipitation aided in filling stock dams with stock water supplies rising 12 percentage points to be rated at 89 percent adequate to surplus. Cattle condition remains stable at 88 percent good to excellent and cattle moved to pasture is now estimated at 93 percent. Sheep condition also remains stable, this week rated at 89 percent good to excellent.

Feed and Water Supplies Comparison as of June 8, 2008

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	2	6	1	8	14
Short	9	9	19	10	9	22
Adequate	83	84	71	63	65	58
Surplus	7	5	4	26	19	6

Soil Moisture Condition Comparison as of June 8, 2008

Rating	Topsoil			Subsoil		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	0	4	0	2	4	4
Short	2	12	3	7	17	8
Adequate	63	70	76	69	73	69
Surplus	35	14	21	22	6	19

Crop and Livestock Conditions as of June 8, 2008

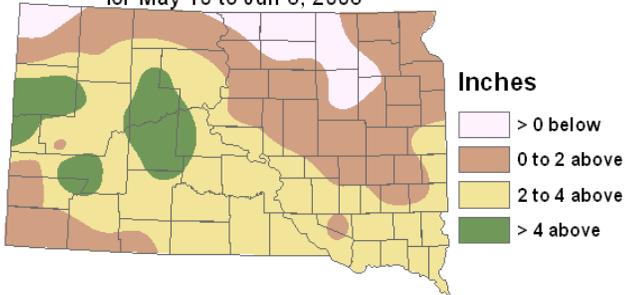
Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Winter Wheat	4	5	25	49	17
Spring Wheat	1	3	28	52	16
Barley	0	0	39	52	9
Oats	0	2	26	56	16
Corn	0	3	26	61	10
Soybeans	0	4	32	57	7
Alfalfa	0	4	28	53	15
Cattle	0	0	12	68	20
Sheep	0	0	11	61	28
Range & Pasture	1	3	21	56	19

Crop Progress as of June 8, 2008¹

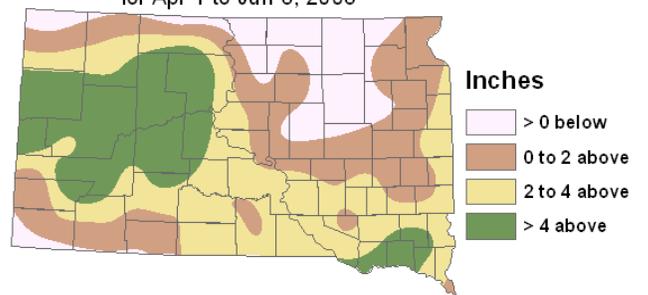
Item	This Week	Last Week	Last Year	5-Yr Avg.
	Percent	Percent	Percent	Percent
Winter Wheat				
Boot	80	62	99	95
Headed	24	4	84	67
Turning Color	0	0	1	1
Barley				
Emerged	94	85	99	100
Boot	6	1	44	34
Headed	0	0	2	3
Oats				
Emerged	97	93	100	100
Boot	18	3	62	46
Headed	0	0	8	7
Spring Wheat				
Boot	16	2	59	51
Headed	0	0	8	7
Corn				
Planted	95	93	99	99
Emerged	77	57	94	92
Ave. Height (in.)	3	NA	8	6
1st cult./spray	29	NA	52	45
Soybeans				
Planted	79	69	85	87
Emerged	35	15	58	58
Sorghum				
Planted	59	55	64	63
Emerged	22	12	40	26
Sunflower				
Planted	24	18	33	46
Alfalfa				
1st Cutting	6	2	24	26
Other Hay				
Cut	1	1	6	7

¹ Percents represent all acreage in or beyond each stage.

PAST 30 DAYS
Accumulated Precip Deviation from Average
for May 10 to Jun 8, 2008



GROWING SEASON
Accumulated Precip Deviation from Average
for Apr 1 to Jun 8, 2008



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, June 8, 2008

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	60	-3	73	48	2.91	10.65	8.19	0.37	2.60	464	-59
Buffalo	57	-3	71	41	1.82	7.85	6.25	-1.77	0.58	367	-50
Dupree	61	-3	78	48	6.50	15.65	13.06	5.31	7.21	501	-36
McIntosh	58	-6	70	44	2.11	6.50	5.00	-2.50	-0.06	395	-145
Newell	59	-4	77	45	3.22	15.14	12.15	5.84	6.96	394	-107
Timber Lake	61	-2	77	48	4.14	13.58	11.30	2.86	5.57	498	-22
North Central											
Aberdeen	63	-2	77	48	1.98	8.21	3.75	-2.30	-1.67	500	-37
Faulkton	62	-2	75	51	3.46	10.15	6.26	-1.15	0.45	479	-62
Mobridge	61	-3	75	49	2.95	9.17	6.39	-0.17	1.32	473	-47
Roscoe	61	-1	84	51	2.39	10.61	6.45	-0.38	0.44	421	-46
Northeast											
Britton	61	-3	76	51	2.77	8.56	4.69	-1.89	-0.78	505	-51
Clear Lake	62	-1	80	51	2.04	14.65	8.88	1.04	2.42	397	-63
Sisseton	61	-4	75	51	3.04	12.19	6.57	0.17	0.89	446	-78
Watertown	61	-2	73	52	1.66	10.77	5.90	-0.42	0.31	402	-48
Webster	60	-4	73	51	2.07	11.91	6.33	1.10	0.99	413	-56
West Central											
Faith	59	-5	71	47	4.80	13.37	11.07	2.90	5.34	416	-135
Milesville	61	-4	74	48	6.54	16.56	13.46	5.32	7.20	515	-68
Philip	62	-3	76	48	4.11	15.21	11.28	5.22	5.54	540	-52
Rapid City	58	-3	74	40	1.96	15.01	12.55	5.12	6.93	375	-93
Spearfish	59	-3	77	45	6.19	21.73	15.32	8.13	8.21	412	-58
Central											
Chamberlain	64	0	77	51	5.13	17.98	10.35	5.22	3.37	525	-44
Highmore	61	-3	75	49	3.00	12.50	6.47	0.77	0.01	454	-98
Huron	65	0	79	55	2.53	12.42	6.71	0.62	0.54	538	-23
Onida	60	-4	74	48	3.88	13.84	7.98	2.63	2.38	494	-57
Pierre	62	-3	76	51	4.56	15.81	8.97	4.61	2.86	510	-92
East Central											
Brookings	64	1	81	53	3.91	14.56	9.06	3.41	3.00	423	-62
Forestburg	66	-1	77	55	3.19	14.99	8.80	2.05	1.89	612	-38
Madison	64	1	81	54	3.27	14.28	7.75	0.74	0.83	426	-59
Mitchell	67	1	80	53	3.77	16.01	9.42	2.91	2.42	581	-4
Sioux Falls	68	3	79	57	3.02	19.15	9.59	5.48	2.59	555	-19
Southwest											
Custer	54	-3	69	37	0.83	11.42	7.32	0.39	1.07	283	-62
Hot Springs	60	-2	76	44	0.54	11.34	7.09	1.67	1.31	508	-95
Oelrichs	60	-3	74	45	0.67	9.24	6.46	-0.92	0.58	488	-96
Porcupine	61	-2	81	46	2.68	10.57	7.66	0.76	2.15	502	-57
South Central											
Kennebec	66	-1	78	55	3.35	13.72	8.18	3.39	2.30	623	-71
Mission	63	-1	79	48	4.71	16.39	10.22	5.06	3.62	475	-29
Murdo	63	-1	79	49	3.08	15.42	9.04	3.74	2.94	487	-62
Winner	64	-4	78	48	4.70	16.26	9.27	2.49	1.83	533	-161
Southeast											
Armour	66	-1	79	55	3.86	17.10	9.09	3.43	1.95	582	-118
Centerville	68	2	83	56	3.17	19.60	11.41	6.10	4.24	548	-57
Pickstown	67	1	85	53	4.22	19.60	10.94	6.29	3.51	549	-68
Vermillion	70	2	84	57	1.91	19.88	10.53	5.76	3.06	673	-87
Yankton	71	4	87	57	2.41	22.95	13.14	9.09	5.66	616	-18

DATA AND MAP SOURCE: State Climate Office of South Dakota