

South Dakota Weekly Crop Weather Report



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

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For Week Ending September 18, 2011
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AGRICULTURAL SUMMARY

Last week's cooler temperatures and mostly dry conditions brought 6.1 days suitable for field work. Row crop development was slowed by cooler temperatures and continued lack of moisture in many areas. Range and pasture conditions changed little from last week and livestock conditions remain mostly in the good to excellent range. Major activities this week included; winter wheat seeding, harvesting of silage, preparing machinery for row crop harvest and working ground that was too wet to plant last spring.

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

WEATHER INFORMATION

The main weather story of the week was a very early season cold outbreak which took temperatures to or below freezing over much of the eastern half of the state, according to the State Climate Office of South Dakota. A few locations did fall to 28° F or below which would have been a killing freeze ending the growing season. So far frozen soybeans have been the main issue regarding frozen crops.

The cold outbreak brought statewide temperatures cooler for most of the week even after a warm start for the week. Most of the temperatures averaged in the 50s F, except for a few stations in the southern part of the state. These averages were from 3-9° F below average for the week. Warm temperatures dominated the early part of the week as most of the state reached the 90s F. Pickstown and Philip had the highs at 94° F. McIntosh had the low at 27° F. The colder week dropped growing degree day accumulations further behind average. The worst areas are now more than 10 days behind.

The southwestern part of the state received the most precipitation with over an inch at several places. This was a good development as it had been one of the driest areas over the latter part of the summer. Hot Springs was one of two stations with over 1 inch at 1.64 inches. Much of the northeast received little or no precipitation extending the period of dryness there. The US Drought Monitor has increased the area of D0 and D1 in the last couple weeks across the northeast to east central. Six stations (Aberdeen, Britton, Sisseton, Webster, Highmore, and Onida) received no precipitation. Another twelve stations received less than 0.10 inches for the week.

SOIL CONDITION

Soil moisture conditions continue to drop with the lack of rain in many areas. Topsoil moisture is rated at 54 percent adequate to surplus, 7 percentage points below last week, and 24 percentage points below last year. Subsoil moisture was rated at 66 percent adequate to surplus, 4 percentage points below last week, and 11 percentage points below the previous year.

FIELD CROPS REPORT

Crop development was slowed last week due to cooler temperatures and a killing frost in some counties affected soybean fields worse than other crops. Soybeans dropping leaves are at 62 percent, behind the previous year of 69 percent. Ninety percent of the corn is now at the dent stage, with 30 percent rated mature, behind last year at 40 percent. Harvesting of corn silage is now 62 percent complete, behind last year at 77 percent, but slightly ahead of the 5-year average of 61 percent. Producers continue to make slow progress with seeding of winter wheat with 30 percent complete, 4 percentage points behind last year and 8 percentage points behind the 5-year average.

LIVESTOCK, PASTURE, AND RANGE REPORT

Cooler temperatures helped cattle and sheep conditions to remain mostly in the good to excellent range, even though some pastures could still benefit from some rainfall. Cattle are rated 89 percent in good to excellent condition. Sheep are also rated 89 percent in good to excellent condition. Range and pasture is reported at 65 percent in good to excellent condition, the same as last week, and still ahead of the 5-year average of 53 percent.

Feed and Water Supplies Comparison as of September 18, 2011

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	0	0	5	1	0	9
Short	4	3	9	6	6	16
Adequate	84	74	75	84	74	67
Surplus	12	23	11	9	20	8

Soil Moisture Condition Comparison as of September 18, 2011

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	7	7	6	5	4	6
Short	39	32	16	29	26	17
Adequate	51	58	65	59	62	60
Surplus	3	3	13	7	8	17

Crop and Livestock Conditions as of September 18, 2011

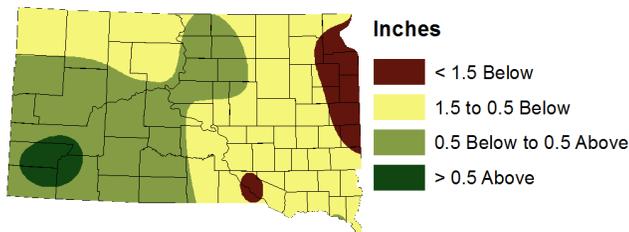
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn	2	6	22	52	18
Soybeans	3	10	29	47	11
Sorghum	0	4	18	66	12
Sunflower	3	4	26	55	12
Alfalfa	1	3	16	70	10
Cattle	0	1	10	75	14
Sheep	0	1	10	73	16
Range & Pasture	1	6	28	54	11

Crop Progress as of September 18, 2011 ¹

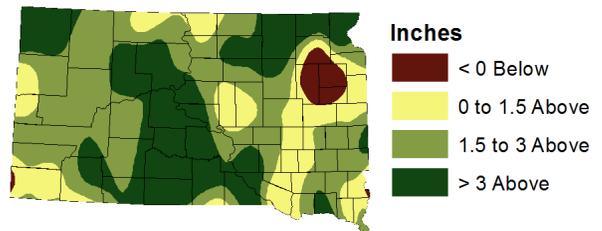
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Seeded	30	17	34	38
Emerged	3	0	9	7
Corn				
Dent	90	79	91	88
Mature	30	10	40	31
Grain Harvested	0	0	1	2
Silage Harvested	62	41	77	61
Soybeans				
Dropping Leaves	62	33	69	66
Mature	13	1	16	14
Sorghum				
Coloring	92	87	97	92
Mature	8	5	40	30
Grain Harvested	0	0	2	2
Silage Harvested	43	7	67	58
Sunflower				
Ray Flowers Dry	95	86	90	91
Bracts Yellow	78	65	69	69
Mature	8	0	9	8
Alfalfa				
3rd Cutting	86	81	81	79

¹ Percents represent all acreage in or beyond each stage.

PAST 30 DAYS
Accumulated Precip Deviation from Average
From August 20 to September 18, 2011



GROWING SEASON
Accumulated Precip Deviation from Average
From April 1 to September 18, 2011



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, September 18, 2011

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	52	-9	89	35	0.02	18.78	14.27	1.91	2.07	2,326	-100
Buffalo	54	-5	89	38	0.01	19.32	15.66	4.09	4.12	2,139	-126
Dupree	54	-7	88	32	0.15	24.19	18.15	6.71	5.13	2,387	-197
McIntosh	53	-7	91	27	0.05	15.40	11.50	-0.59	-0.71	2,314	-164
Newell	56	-5	91	39	0.57	18.79	14.13	2.20	1.84	2,337	-89
Timber Lake	54	-7	87	34	0.18	23.44	17.34	5.46	4.32	2,423	-96
North Central											
Aberdeen	55	-5	87	30	0.00	24.75	18.47	5.26	4.04	2,503	-36
Faulkton	55	-6	90	30	0.02	23.27	17.23	5.13	2.98	2,425	-176
Mobridge	56	-6	91	37	0.03	18.55	13.34	2.18	2.12	2,376	-167
Roscoe	54	-5	86	36	0.01	25.13	18.07	5.92	3.81	2,287	9
Northeast											
Britton	56	-5	88	31	0.00	29.42	21.50	9.54	6.62	2,440	-191
Clear Lake	53	-6	85	30	0.05	25.39	17.10	1.91	0.68	2,201	-293
Sisseton	56	-5	87	30	0.00	31.02	21.86	9.74	6.89	2,442	-138
Watertown	54	-5	87	31	0.05	22.93	14.14	1.74	-1.43	2,346	-107
Webster	56	-3	86	38	0.00	24.43	13.58	2.83	-2.58	2,322	-146
West Central											
Faith	55	-8	92	36	0.22	20.11	14.81	2.82	2.68	2,324	-258
Milesville	57	-6	82	35	0.55	21.03	16.45	2.13	2.50	2,536	-138
Philip	61	-2	94	37	0.36	18.48	14.06	1.95	1.69	2,450	-198
Rapid City	57	-5	92	39	0.52	18.39	14.42	2.21	2.53	2,303	-130
Spearfish	54	-5	87	34	0.70	20.55	14.55	0.60	1.06	2,272	-73
Central											
Chamberlain	58	-5	93	32	0.06	20.87	16.70	5.56	2.04	2,729	-55
Highmore	55	-7	88	29	0.00	17.81	13.30	1.90	-0.81	2,388	-282
Huron	56	-6	90	30	0.06	22.62	15.87	2.44	1.35	2,658	-7
Onida	56	-5	89	31	0.00	22.17	16.19	2.73	2.51	2,497	-215
Pierre	57	-7	93	32	0.03	26.82	20.18	7.59	6.07	2,542	-230
Wessington Spr.	58	-6	90	40	0.21	23.39	17.35	1.79	1.85	2,672	-104
East Central											
Brookings	54	-6	86	30	0.11	24.11	17.92	2.21	1.09	2,366	37
Madison	54	-6	85	28	0.13	24.88	19.68	0.65	2.04	2,420	-114
Mitchell	57	-6	91	35	0.24	21.88	16.27	0.67	1.15	2,770	-1
Sioux Falls	57	-5	90	32	0.09	25.88	20.10	2.16	3.09	2,615	-86
Southwest											
Custer	52	-5	80	33	0.91	23.33	17.54	3.69	2.73	1,709	-163
Hot Springs	61	-3	90	38	1.64	18.15	14.05	1.22	0.99	2,505	-56
Oelrichs	58	-3	93	39	1.28	15.62	12.83	-1.01	0.34	2,449	-167
Porcupine	58	-3	92	38	0.76	22.43	15.77	6.12	3.74	2,451	-171
South Central											
Kennebec	58	-7	91	29	0.14	21.03	16.86	2.89	3.14	2,699	-215
Mission	56	-6	90	36	0.80	27.58	22.57	8.22	7.91	2,472	-58
Murdo	58	-5	91	37	0.34	30.71	25.20	11.47	11.51	2,560	-146
Winner	59	-7	92	37	0.25	24.54	20.80	3.80	4.26	2,750	-209
Southeast											
Academy	56	-6	93	33	0.36	25.28	22.29	3.12	5.99	2,545	-199
Centerville	56	-7	90	29	0.14	20.96	17.53	-2.17	-0.31	2,681	-8
Pickstown	59	-5	94	37	0.16	21.01	15.26	-1.52	-1.42	2,885	3
Vermillion	60	-6	90	31	0.13	22.78	18.09	-1.67	0.26	2,975	-105
Yankton	57	-7	92	32	0.15	28.48	21.90	4.30	4.06	2,818	-19

DATA AND MAP SOURCE: State Climate Office of South Dakota