

# 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 September 25, 2011  
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## AGRICULTURAL SUMMARY

Another week of fall like temperatures and mostly dry conditions brought 6.7 days suitable for field work last week. Most row crop development is moving along on schedule, but conditions are dropping slightly with the lack of moisture in many areas. Range and pasture conditions also dropped from lack of rain last week, but livestock conditions remain mostly in the good to excellent range. Major activities this week included; winter wheat seeding, harvesting of silage, beginning row crop harvest and moving hay.

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

## WEATHER INFORMATION

Mostly dry conditions continued over the state except for a small area in the northeast continuing a late season dry trend over most of the state, according to the State Climate Office of South Dakota. More than half the stations reported less than 0.10 inches totals for the week. The least reported were 20 stations which reported no precipitation. In the wetter area of the week, Webster had the highest total at 1.16 inches. Much of the state has received well below average precipitation over the last 30 days with several areas 1.5 inches or more below average. These areas of the east, south central and northwest have received less than 50% of average over this time.

More sub-freezing conditions occurred over the state adding to the area with crops having been frozen ending the growing season. Average temperatures were in the 50's F statewide. These were generally below average by 1-6° F except for a few locations in the west, which were near average. Faith had the high daily temperature at 92° F. Kennebec and Highmore had the low at 27° F.

## SOIL CONDITION

Soil moisture conditions continue to dry out with the lack of rain in many areas. Topsoil moisture is rated at 52 percent adequate to surplus, 2 percentage points below last week, and 31 percentage points below last year. Subsoil moisture was rated at 64 percent adequate to surplus, 2 percentage points below last week, and 16 percentage points below the previous year.

## FIELD CROPS REPORT

Row crop development for most crops is slowly reaching the mature stage and harvest of corn and soybeans is just beginning in some areas. Soybeans dropping leaves are at 82 percent, just behind the 5-year average of 85 percent. Forty-eight percent of the corn is now at the mature stage, with 2 percent harvested, equal to the same time last year. Harvesting of corn silage is now 84 percent complete, slightly ahead of last year at 83 percent. Sunflower in the bracts yellow stage are estimated at 86 percent, ahead of the 5-year average of 81 percent. Sorghum is 96 percent coloring, even with the 5-year average, but maturity is behind with 19 percent rated mature compared to the 5-year average of 48 percent. Third cuttings of alfalfa are winding down with 89 percent complete, ahead of the previous year of 85 percent. Dry conditions continue to make seeding of winter wheat difficult with 54 percent now complete, 4 percentage points behind last year. Thirteen percent of winter wheat has emerged, 12 percentage points behind last year and 8 percentage points behind the 5-year average.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Cattle and sheep conditions continue to remain mostly in the good to excellent range, even though range and pasture conditions are starting to drop with the lack of moisture in many areas. Cattle are rated 85 percent in good to excellent condition. Sheep are rated 86 percent in good to excellent condition. Range and pasture is reported at 60 percent in good

to excellent condition, 5 percentage points behind last week, but still ahead of the 5-year average of 54 percent. Stock water supplies are 92 percent adequate to surplus and feed supplies are 94 percent adequate to surplus, both ahead of the 5-year averages of 76 and 87 percent, respectively.

## Feed and Water Supplies Comparison as of September 25, 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	1	0	4	1	0	9
Short	5	3	9	7	6	16
Adequate	82	79	77	85	74	67
Surplus	12	18	10	7	20	9

## Soil Moisture Condition Comparison as of September 25, 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	8	7	3	6	5	9
Short	40	39	13	30	29	12
Adequate	50	51	59	58	59	54
Surplus	2	3	24	6	7	26

## Crop and Livestock Conditions as of September 25, 2011

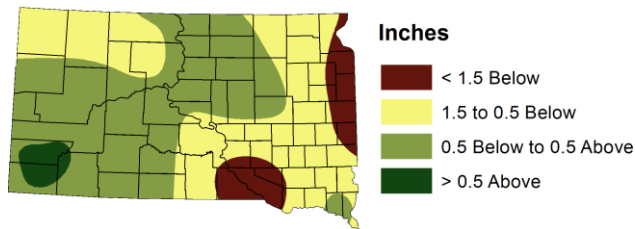
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn	2	9	23	50	16
Soybeans	3	13	27	46	11
Sorghum	0	6	22	66	6
Sunflower	0	3	38	50	9
Alfalfa	1	4	25	62	8
Cattle	0	1	14	74	11
Sheep	0	1	13	68	18
Range & Pasture	2	7	31	52	8

## Crop Progress as of September 25, 2011 <sup>1</sup>

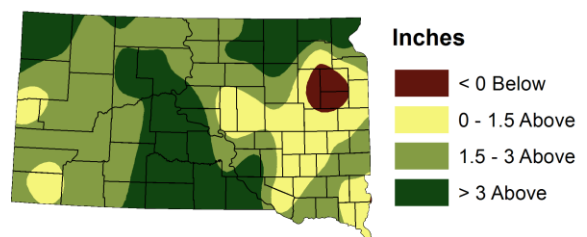
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
<b>Winter Wheat</b>				
Seeded	54	30	58	60
Emerged	13	3	25	21
<b>Corn</b>				
Dent	95	90	97	96
Mature	48	30	64	52
Grain Harvested	2	0	2	4
Silage Harvested	84	62	83	74
<b>Soybeans</b>				
Dropping Leaves	82	62	82	85
Mature	32	13	44	37
Harvested	2	0	3	4
<b>Sorghum</b>				
Coloring	96	92	100	96
Mature	19	8	63	48
Grain Harvested	1	0	2	5
Silage Harvested	70	43	88	73
<b>Sunflower</b>				
Bracts Yellow	86	78	80	81
Mature	19	8	26	21
Harvested	0	0	0	1
<b>Alfalfa</b>				
3rd Cutting	89	86	85	84

<sup>1</sup> Percents represent all acreage in or beyond each stage.

**PAST 30 DAYS**  
Accumulated Precip Deviation from Average  
From August 27 to September 25, 2011



**GROWING SEASON**  
Accumulated Precip Deviation from Average  
From April 1 to September 25, 2011



**TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS**  
Week Ending Sunday, September 25, 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		
	Degrees	Degrees	Degrees	Degrees	Inches	Inches	Inches	Inches	Inches		
<b>Northwest</b>											
Bison	57	-1	88	34	0.07	18.85	14.34	1.70	1.86	2,406	-90
Buffalo	59	3	89	34	0.09	19.41	15.75	3.95	3.98	2,228	-104
Dupree	59	1	87	29	0.00	24.19	18.15	6.43	4.85	2,471	-190
McIntosh	56	-2	88	32	0.19	15.59	11.69	-0.68	-0.80	2,393	-153
Newell	58	-1	90	33	0.00	18.79	14.13	1.88	1.52	2,427	-70
Timber Lake	59	1	85	30	0.23	23.67	17.57	5.41	4.27	2,511	-75
<b>North Central</b>											
Aberdeen	55	-2	80	31	0.31	25.06	18.78	5.15	3.93	2,575	-30
Faulkton	55	-4	80	31	0.06	23.33	17.29	4.84	2.69	2,485	-190
Mobridge	57	-2	84	30	0.22	18.77	13.56	1.93	1.87	2,457	-152
Roscoe	54	-3	79	33	0.15	25.28	18.22	5.72	3.61	2,346	10
<b>Northeast</b>											
Britton	56	-2	78	36	0.75	30.17	22.25	9.80	6.88	2,502	-200
Clear Lake	52	-5	77	33	0.20	25.59	17.30	1.55	0.32	2,246	-313
Sisseton	54	-4	76	33	0.14	31.16	22.00	9.46	6.61	2,499	-149
Watertown	54	-2	78	31	0.17	23.10	14.31	1.49	-1.68	2,400	-115
Webster	55	-1	75	40	1.16	25.59	14.74	3.57	-1.84	2,379	-151
<b>West Central</b>											
Faith	59	-1	92	34	0.00	20.11	14.81	2.57	2.43	2,412	-245
Milesville	60	0	89	33	0.00	21.03	16.45	1.82	2.19	2,633	-120
Philip	58	-1	90	32	0.00	18.48	14.06	1.68	1.42	2,545	-184
Rapid City	58	0	90	32	0.00	18.39	14.42	1.96	2.28	2,395	-111
Spearfish	59	2	85	36	0.02	20.57	14.57	0.27	0.73	2,353	-59
<b>Central</b>											
Chamberlain	59	-2	85	32	0.00	20.87	16.70	5.13	1.61	2,817	-48
Highmore	56	-3	85	27	0.02	17.83	13.32	1.61	-1.10	2,461	-287
Huron	56	-3	82	33	0.30	22.92	16.17	2.32	1.23	2,731	-6
Onida	56	-3	83	29	0.00	22.17	16.19	2.38	2.16	2,577	-215
Pierre	58	-3	85	29	0.02	26.84	20.20	7.26	5.74	2,627	-225
Wessington Spr.	57	-4	83	40	0.00	23.39	17.35	1.30	1.36	2,736	-120
<b>East Central</b>											
Brookings	52	-5	77	29	0.02	24.13	17.94	1.67	0.55	2,415	25
Madison	53	-5	78	28	0.20	25.08	19.88	0.11	1.50	2,473	-129
Mitchell	57	-2	84	35	0.00	21.88	16.27	0.17	0.65	2,852	4
Sioux Falls	55	-4	79	30	0.03	25.91	20.13	1.62	2.55	2,684	-88
<b>Southwest</b>											
Custer	53	-1	80	30	0.00	23.33	17.54	3.37	2.41	1,771	-158
Hot Springs	59	1	86	31	0.00	18.15	14.05	0.94	0.71	2,603	-41
Oelrichs	59	1	89	31	0.00	15.62	12.83	-1.29	0.06	2,548	-153
Porcupine	57	-1	86	29	0.00	22.43	15.77	5.77	3.39	2,541	-162
<b>South Central</b>											
Kennebec	57	-5	85	27	0.00	21.03	16.86	2.57	2.82	2,794	-209
Mission	57	-2	85	30	0.00	27.58	22.57	7.83	7.52	2,556	-46
Murdo	60	-1	85	37	0.00	30.71	25.20	11.19	11.23	2,646	-136
Winner	58	-5	84	33	0.00	24.54	20.80	3.31	3.77	2,829	-220
<b>Southeast</b>											
Academy	56	-3	89	34	0.00	25.28	22.29	2.59	5.46	2,616	-209
Centerville	55	-5	80	29	0.02	20.98	17.55	-2.64	-0.78	2,748	-18
Pickstown	59	-2	86	35	0.01	21.02	15.27	-2.00	-1.90	2,973	11
Vermillion	57	-6	81	30	0.00	22.78	18.09	-2.23	-0.30	3,054	-120
Yankton	56	-5	82	33	0.02	28.50	21.92	3.83	3.59	2,888	-31

DATA AND MAP SOURCE: State Climate Office of South Dakota