

# 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 October 15, 2006  
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## AGRICULTURAL SUMMARY

Colder than normal temperatures and a hard frost across most of the state last week helped row crops to dry down for harvest. Soybean harvest continues to make good progress. Corn and sorghum harvest has begun in earnest. Nearly all sunflowers are mature. Light and widely scattered rain and snow flurries had little impact on conditions and field work. Statewide, 6.1 days were suitable for fieldwork. Much of the western part of the state continues to be short of moisture. The winter wheat seeding is nearing completion. The main activities on farms last week were harvesting soybeans and other row crops, moving livestock off summer pastures, and weaning calves.

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

## WEATHER INFORMATION

Colder than average temperatures brought a hard freeze last week. Average temperatures in the upper 30's to lower 40's rated 10 to 15 degree below normal. The high temperature in the state last week was 74 degrees, reported in Long Valley, while Porcupine had the low for the week, at 13 degrees. Light precipitation was scattered around the state with a mix of rain and snow resulting in little to no impact on moisture levels. Only a few locations had noteworthy precipitation, with Vermillion reporting the most precipitation, at 0.66 of an inch.

## SOIL CONDITION

Cooler temperature brought the soil temperatures down to the upper 40's and lower 50's. The topsoil and subsoil moisture levels were reported to be slightly drier in the state last week. Topsoil moisture levels dropped from 75 percent adequate to surplus the previous week, to 73 percent adequate to surplus this week. Subsoil moisture levels dropped from 50 percent adequate to surplus the previous week, to 48 percent rated adequate to surplus this week. Still most of the western part of the state remains short on moisture.

## FIELD CROPS REPORT

A hard frost last week helped row crops dry down for harvest. Soybean harvest has advanced to 77 percent complete, slightly behind last year's 80 percent, but ahead of the five-year average of 71 percent. Corn harvested for grain is 23 percent complete, behind last year's 30 percent and the five-year average of 28 percent. There have been reports of above average amounts of common corn smut. Sorghum harvested for grain is 45 percent complete also behind the pace of 61 percent last year and 54 percent for the five-year average. Sunflower maturity has advanced to 81 percent, on pace with last year but behind the five-year average of 88 percent. However, only 17 percent has been harvested, behind last year's 36 percent and the average of 38 percent. Winter wheat seeding is finishing with 97 percent complete, rating it slightly ahead of last year's 95 percent as well as the average of 94 percent. Seventy-four percent of the winter wheat has emerged.

## LIVESTOCK, PASTURE, AND RANGE REPORT

Cattle and sheep conditions continue to be stable with little change week to week. Many farmers and ranchers are moving livestock off summer pastures to stubble fields or winter pens. In the process, many calves, if not weaned earlier, are being weaned now. Range and pasture conditions and stock water supplies show modest change from a week earlier. The main concern about short stock water supplies is in the western part of the state, where precipitation continues to be below normal. Of the alfalfa intended for a third cutting, 97 percent has been harvested.

## Feed and Water Supplies Comparison as of October 15, 2006

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	14	3	11	26	18	23
Short	22	9	21	24	21	22
Adequate	62	81	64	48	57	53
Surplus	2	7	4	2	4	2

## Soil Moisture Condition Comparison as of October 15, 2006

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	10	21	25	18
Short	19	18	21	31	25	24
Adequate	70	73	64	45	48	53
Surplus	3	2	5	3	2	5

## Crop and Livestock Conditions as of October 15, 2006

Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	2	1	31	49	17
Corn	20	25	23	27	5
Sunflower	22	31	33	13	1
Alfalfa	18	18	33	27	4
Cattle	0	2	22	61	15
Sheep	0	2	21	59	18
Range & Pasture	17	22	32	26	3

## Crop Progress as of October 15, 2006 <sup>1</sup>

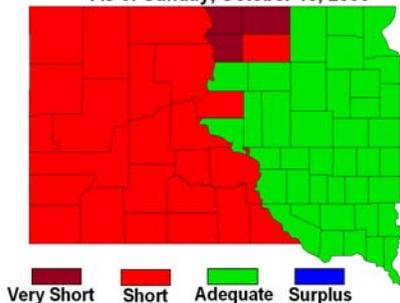
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
<b>Winter Wheat</b>				
Seeded	97	90	95	94
Emerged	74	60	66	65
<b>Corn</b>				
Grain Harvested	23	16	30	28
<b>Soybeans</b>				
Harvested	77	52	80	71
<b>Sorghum</b>				
Mature	96	93	96	94
Grain Harvested	45	30	61	54
<b>Sunflower</b>				
Mature	81	69	82	88
Harvested	17	8	36	38
<b>Alfalfa</b>				
3rd Cutting	97	92	96	96

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

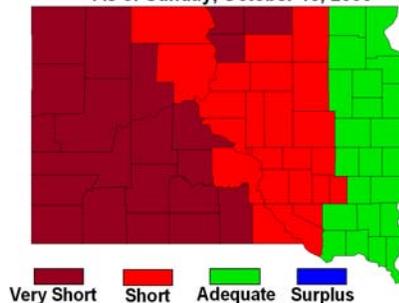
## Soil Temperatures Week Ending Oct 15, 2006 (4-inch Depth)

Location	Temp	Location	Temp
Beresford	47	Gettysburg	48
Brookings	48	Nisland	51
Caputa	47	Pierre	51
Oacoma	51	Redfield	44
Cottonwood	48	South Shore	46

**TOPSOIL MOISTURE**  
As of Sunday, October 15, 2006



**SUBSOIL MOISTURE**  
As of Sunday, October 15, 2006



**TEMPERATURE and PRECIPITATION**  
Week Ending Sunday, October 15, 2006

District And Station	Temperatures Past Week				Precipitation				
	Average	Departure From Norm	High	Low	Total			Departure From Norm.	
					Current Week	Since Jan. 1	Since Apr. 1	Since Jan. 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>
<b>Northwest</b>									
Bison	40	-11	70	20	0.00	10.82	8.61	-4.65	-4.90
Buffalo	37	-13	57	18	0.03	8.97	8.41	-3.77	-3.15
Dupree	38	-14	68	19	0.03	11.22	9.41	-4.02	-4.14
McIntosh	38	-12	67	19	0.00	10.98	9.92	-4.21	-3.80
Newell	39	-11	62	19	0.13	12.72	11.28	-1.02	-0.96
Timber Lake	39	-12	65	17	0.05	9.20	7.97	-6.92	-6.19
<b>North Central</b>									
Aberdeen	38	-13	58	18	0.12	14.86	13.82	-2.22	-1.08
Eureka	40	-10	67	19	0.09	12.31	11.68	-3.16	-2.21
Faulkton	37	-13	58	20	0.13	12.17	10.78	-4.88	-4.17
Mobridge	39	-13	58	19	0.08	7.42	6.89	-8.04	-6.67
Roscoe	35	-15	56	18	0.15	13.38	12.64	-3.80	-2.62
<b>Northeast</b>									
Britton	40	-12	65	22	0.16	18.14	16.43	0.93	0.93
Clear Lake	36	-15	57	19	0.17	23.74	21.61	2.02	2.80
Sisseton	39	-13	58	24	0.17	19.87	18.30	0.92	1.78
Webster	37	-13	65	20	0.23	20.00	18.53	0.87	1.69
Watertown	37	-13	57	22	0.10	16.50	15.28	-3.49	-2.18
<b>West Central</b>									
Faith	38	-13	56	21	0.06	11.55	10.10	-3.72	-3.36
Milesville	40	-13	72	19	0.05	13.74	12.09	-2.74	-2.47
Long Valley	42	-12	74	18	0.06	12.26	10.47	-4.21	-4.13
Philip	40	-13	59	16	0.05	9.75	7.69	-4.99	-5.41
Rapid City	40	-11	59	19	0.04	10.97	9.43	-4.14	-3.74
Spearfish	39	-12	71	23	0.21	18.26	16.13	-1.52	-0.86
<b>Central</b>									
Chamberlain	40	-14	61	22	0.06	12.73	10.21	-3.35	-4.10
Highmore	42	-11	68	21	0.06	14.77	13.45	-3.25	-2.50
Huron	40	-11	60	18	0.06	15.51	14.68	-2.68	-0.76
Onida	40	-13	69	20	0.03	14.72	12.80	-1.97	-1.56
Pierre	41	-12	58	22	0.06	10.68	9.22	-6.38	-5.80
<b>East Central</b>									
Brookings	37	-12	58	20	0.15	21.06	19.04	0.03	-0.01
Madison	38	-12	59	21	0.04	20.03	18.23	-1.38	-0.07
Mitchell	40	-13	59	22	0.15	23.15	20.70	3.27	3.45
Sioux Falls	41	-10	61	22	0.09	23.55	20.03	2.24	1.51
<b>Southwest</b>									
Custer	34	-13	53	14	0.12	17.03	14.42	-0.44	-1.17
Hot Springs	40	-13	73	21	0.31	11.69	8.14	-2.92	-4.98
Oelrichs	39	-14	60	17	0.09	14.63	12.00	-0.75	-1.46
Porcupine	38	-13	63	13	0.00	17.80	14.71	3.15	1.54
<b>South Central</b>									
Murdo	40	-13	56	22	0.14	12.46	9.50	-3.93	-4.63
Winner	44	-12	71	22	0.11	15.38	12.50	-6.19	-6.24
<b>Southeast</b>									
Armour	43	-11	67	23	0.09	21.86	19.93	1.04	1.99
Centerville	41	-11	56	18	0.16	23.99	21.59	1.36	1.74
Marion	40	-11	59	23	0.23	24.59	21.55	2.65	2.60
Pickstown	42	-12	58	25	0.38	22.96	19.81	2.83	2.17
Vermillion	44	-10	66	21	0.66	21.11	18.01	-1.03	-1.50
Yankton	42	-12	56	24	0.15	23.76	19.06	2.51	0.32

SOURCE: National Weather Service, provided by AWIS, Inc.