

# 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 November 18, 2007  
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## AGRICULTURAL SUMMARY

Another mostly-dry week across the state allowed harvest to continue. Statewide, 6.6 days were suitable for fieldwork. Major farm activities included harvesting row crops, autumn tillage, fertilizing for next year's crops, baling or grazing crop residue, hauling hay for winter, and preparing equipment for winter storage.

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

## WEATHER INFORMATION

Another week of more of the same.....limited precipitation and warmer temperatures ruled the state, according to the State Climate Office of South Dakota. A handful of stations reported very light precipitation for the week. The highest total was Spearfish, at 0.13 of an inch. More than half of the stations recorded no precipitation. After a wet period in September and early October, precipitation has been very limited, allowing quick progress at the end of the harvest season. But the dry conditions have been unwelcome in the northwest part of the state, where soil moisture conditions continue to worsen. Air temperatures for the week were well above average throughout the state, ranging from 7 to 14° F above average for the week.

## SOIL CONDITION

Above-average air temperatures have helped to stabilize soil temperatures. Soil temperature measurements, at a depth of 4 inches, were generally in the low 40s across the state. Statewide, topsoil moisture is rated at 80 percent adequate to surplus, down from 84 percent last week, but well above the average, for this time of year, of 58 percent. Subsoil moisture was rated at 75 percent adequate to surplus, down from 80 percent last week, but also above the average, at 47 percent. The western third of the state has the biggest concern for soil moisture.

## FIELD CROPS REPORT

Continued mostly-dry conditions have allowed row crop harvest to advance. Some producers have reported harvesting low spots previously too wet for harvest. Corn harvest is now rated at 94 percent complete, placing between last year's 96 percent and the average of 92 percent. Sorghum harvest is complete, slightly ahead of the five-year average of 97 percent. Sunflower harvest rounds out the row crops with harvest rated at 91 percent, behind last year's 95 percent and behind the five-year average of 94 percent. Winter wheat condition was rated at 71 percent good to excellent, which is an improvement over the five-year average of 54 percent.

## LIVESTOCK, PASTURE, AND RANGE REPORT

The condition of both the cattle and sheep were rated at 90 percent good to excellent. Stock water supplies were rated at 73 percent adequate to surplus, which is better than last year's 50 percent. Feed supplies are rated at 93 percent adequate to surplus, which indicates most producers are well prepared to tend to their livestock through the winter.

## Feed and Water Supplies Comparison as of November 18, 2007

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	12	NA	14	22	NA
Short	6	25	NA	13	28	NA
Adequate	82	61	NA	65	50	NA
Surplus	11	2	NA	8	0	NA

## Soil Moisture Condition Comparison as of November 18, 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	5	4	10	11	11	23
Short	15	12	33	14	9	35
Adequate	72	79	56	68	74	41
Surplus	8	5	1	7	6	1

## Crop and Livestock Conditions as of November 18, 2007

Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat	1	3	25	58	13
Cattle	0	1	9	70	20
Sheep	0	1	9	69	21

## Crop Progress as of November 18, 2007 <sup>1</sup>

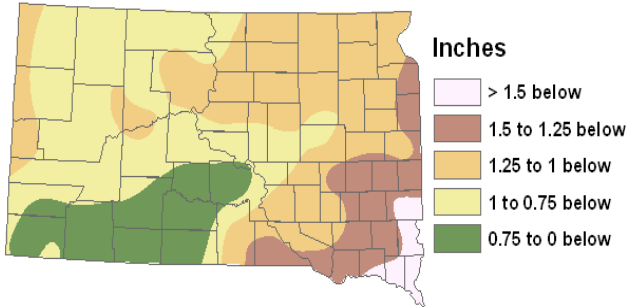
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
<b>Corn</b>				
Grain Harvested	94	87	96	92
<b>Sunflower</b>				
Harvested	91	78	95	94

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

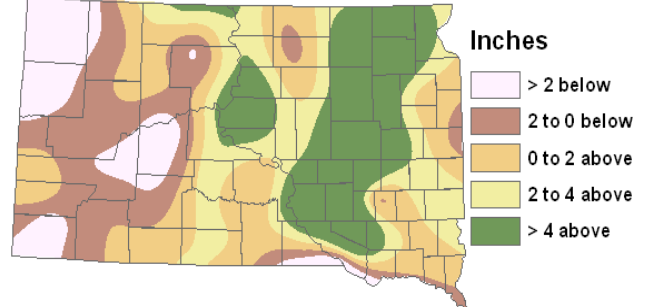
## Average Soil Temperatures Week Ending November 18, 2007 (4-inch Depth)

Location	Temp	Location	Temp
Beresford	38	Nisland	42
Brookings	42	Oacoma	46
Caputa	42	Pierre	45
Cottonwood	43	Redfield	43
Gettysburg	NA	South Shore	39

Accumulated Precip Departure from Normal  
for Oct 20 to Nov 18, 2007



Accumulated Precip Departure from Normal  
for Apr 1 to Nov 18, 2007



**TEMPERATURE and PRECIPITATION**  
**Week Ending Sunday, November 18, 2007**

District and Station	Temperatures Past Week				Precipitation					
	Average	Departure from Normal	High	Low	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>	<i>Inches</i>	
<b>Northwest</b>										
Bison	40	9	62	16	0.00	0.38	13.49	-1.51	-0.99	
Buffalo	43	14	58	18	0.00	0.86	9.99	-1.06	-4.67	
Dupree	41	11	60	17	0.00	1.13	15.72	-0.85	0.36	
McIntosh	38	8	60	13	0.05	0.76	18.07	-1.04	3.75	
Newell	44	12	73	14	0.00	0.95	11.08	-0.89	-2.15	
Timber Lake	41	11	60	15	0.02	0.76	13.79	-1.35	-1.96	
<b>North Central</b>										
Aberdeen	38	9	64	18	0.01	1.50	24.13	-0.66	6.81	
Faulkton	39	10	66	20	0.00	2.27	18.32	0.01	1.21	
Mobridge	40	8	58	16	0.07	2.68	18.23	0.71	3.57	
Roscoe	38	10	59	18	0.00	1.75	17.02	-0.41	-0.45	
<b>Northeast</b>										
Britton	38	9	57	15	0.00	1.91	23.15	-0.27	5.25	
Clear Lake	40	11	62	20	0.07	3.82	21.82	0.89	0.23	
Sisseton	40	10	60	24	0.05	2.77	23.21	0.16	4.83	
Watertown	39	10	63	22	0.03	2.51	20.38	-0.07	1.43	
Webster	37	9	58	20	0.00	2.44	26.28	0.14	7.36	
<b>West Central</b>										
Faith	43	11	62	19	0.00	0.80	16.00	-1.21	1.05	
Milesville	43	10	62	16	0.00	1.75	13.63	-0.44	-3.24	
Philip	45	13	67	21	0.00	1.82	11.87	0.05	-2.78	
Rapid City	44	11	66	15	0.02	0.63	12.81	-1.18	-1.39	
Spearfish	48	14	63	23	0.13	2.27	16.10	-0.50	-1.87	
<b>Central</b>										
Chamberlain	45	12	69	20	0.00	4.02	25.85	1.65	6.88	
Highmore	40	9	67	16	0.00	2.10	21.28	-0.23	2.96	
Huron	40	9	71	20	0.01	3.13	26.41	0.92	8.90	
Onida	42	12	61	16	0.00	4.53	23.79	2.37	7.37	
Pierre	42	9	65	22	0.01	5.72	21.14	3.59	4.20	
<b>East Central</b>										
Brookings	40	10	61	19	0.00	4.45	20.71	1.97	0.49	
Forestburg	42	9	61	19	0.00	4.20	26.48	1.65	7.75	
Madison	41	10	61	20	0.00	4.80	24.69	2.01	3.34	
Mitchell	44	11	70	23	0.00	3.29	19.80	0.98	0.70	
Sioux Falls	42	10	61	21	0.00	5.98	24.21	3.13	3.31	
<b>Southwest</b>										
Custer	41	8	57	17	0.05	1.15	18.90	-0.75	1.56	
Hot Springs	45	12	66	12	0.05	1.58	12.57	-0.09	-2.56	
Oelrichs	40	8	68	11	0.00	1.55	12.54	-0.19	-2.19	
Porcupine	41	10	67	7	0.00	1.89	15.07	0.02	-0.04	
<b>South Central</b>										
Kennebec	44	11	71	16	0.00	3.92	16.79	1.98	0.56	
Mission	44	11	68	20	0.01	4.13	19.85	2.09	2.44	
Murdo	45	12	67	21	0.03	4.20	19.01	2.04	2.63	
Winner	47	12	72	24	0.00	3.51	21.21	0.93	1.21	
<b>Southeast</b>										
Armour	43	8	68	24	0.00	6.46	31.22	3.97	11.50	
Centerville	41	7	63	20	0.01	6.19	22.21	3.49	1.00	
Pickstown	45	10	69	20	0.00	3.72	18.16	1.27	-1.81	
Vermillion	46	10	69	22	0.00	5.35	21.51	2.39	-0.19	
Yankton	44	10	66	26	0.00	5.83	21.44	3.14	0.00	

DATA AND MAPS SOURCE: State Climate Office of South Dakota