

South Dakota Weekly Crop Weather Report



National Agricultural Statistics Service
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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 December 13, 2009
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AGRICULTURAL SUMMARY

Cold temperatures throughout the state stopped some producers from finishing the already late harvest, as there were 4.5 days suitable for fieldwork in the past week. Farm activities focused on harvesting corn, preparing livestock for winter season, moving hay, winterizing equipment, and moving snow.

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

WEATHER INFORMATION

The first major winter storm hit the eastern part of the state last week bringing much colder temperatures and snowfalls of over 6 inches in the far southeast corner of the state, according to the State Climate Office of South Dakota. Other locations reported overall lighter amounts. Another snowfall occurred over the central and northeast part of the state just after the end of the recording period. Overall, the whole state has snow cover ranging from an inch to 5+ inches in locations of the far southeast, northeast and Black Hills.

The week provided contrasting effects for producers. Colder temperatures froze soils opening up areas that could not have been harvested previously. But the snow limited harvest progress. Average temperatures were in the single digits for the week except for a few stations along the southern edge of the state and in the Black Hills. These numbers were 9-20° F colder than average. Oelrichs and Spearfish had the highest daily temperature for the week at 45° F; Porcupine had the lowest at -20° F.

All stations reported precipitation during the week. Yankton reported the largest weekly total at 0.74 inch of liquid; McIntosh and Pierre reported the least at 0.03 inch through Sunday.

SOIL CONDITION

Soil temperatures at 4 inch-depth for all stations were at or below freezing for the week except for Beresford in the southeast at 33° F. Aberdeen was the coolest at 28° F. Topsoil moisture was rated at 92 percent in the adequate to surplus range last week. Subsoil was rated at 79 percent in the adequate to surplus range.

FIELD CROPS REPORT

Corn harvested slowed down last week as cold temperatures and snow caused some producers to stop harvesting. Corn harvest did advanced 9 percentage points, now estimated at 82 percent complete. Winter wheat condition is rated as 1 percent very poor, 3 percent poor, 27 percent fair, 60 percent good, and 9 percent excellent.

LIVESTOCK, PASTURE, AND RANGE REPORT

Despite the cold temperatures livestock conditions remain mostly in the good to excellent range. Cattle are rated 84 percent in good to excellent condition. Sheep are rated 85 percent in good to excellent condition. Feed supplies remain very strong in the state, this week rated at 96 percent adequate to surplus. Stock water supplies are also in good shape with 91 percent in the adequate to surplus categories.

Feed and Water Supplies Comparison as of December 13, 2009

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	0	NA	NA	1	NA	NA
Short	4	NA	NA	8	NA	NA
Adequate	87	NA	NA	84	NA	NA
Surplus	9	NA	NA	7	NA	NA

Soil Moisture Condition Comparison as of December 13, 2009

Rating	Topsoil			Subsoil		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
	Percent	Percent	Percent	Percent	Percent	Percent
Very Short	2	1	NA	4	2	NA
Short	6	7	NA	17	20	NA
Adequate	85	82	NA	75	70	NA
Surplus	7	10	NA	4	8	NA

Crop and Livestock Conditions as of December 13, 2009

Item	V Poor	Poor	Fair	Good	Excel
	Percent	Percent	Percent	Percent	Percent
Winter Wheat	1	3	27	60	9
Cattle	0	1	15	67	17
Sheep	0	1	14	65	20

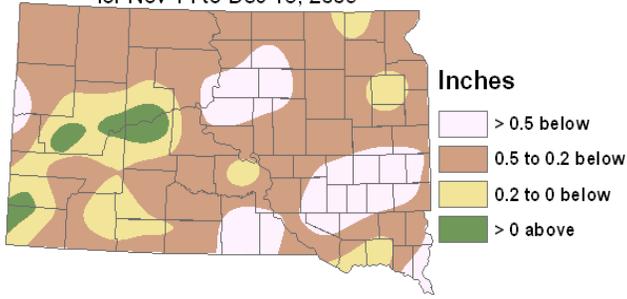
Crop Progress as of December 13, 2009

Item	This Week	Last Week	Last Year	5-Yr Avg.
	Percent	Percent	Percent	Percent
Corn				
Grain Harvested	82	73	97	99

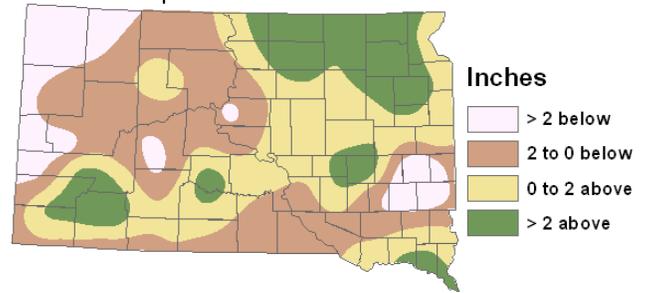
Average Soil Temperatures Week Ending December 13, 2009 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	28	Nisland	31
Beresford	33	Oacoma	30
Bowdle	30	Parkston	31
Brookings	31	Pierre	29
Caputa	31	Redfield	32
Cottonwood	29	South Shore	32

PAST 30 DAYS
Accumulated Precip Deviation from Average
for Nov 14 to Dec 13, 2009



GROWING SEASON
Accumulated Precip Deviation from Average
for Apr 1 to Dec 13 2009



TEMPERATURE and PRECIPITATION
Week Ending Sunday, December 13, 2009

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>	
Northwest										
Bison	3	-18	25	-17	0.07	3.41	12.67	1.22	-2.11	
Buffalo	5	-15	30	-18	0.10	1.98	9.47	-0.20	-5.45	
Dupree	4	-16	26	-13	0.05	2.43	16.39	0.20	0.78	
McIntosh	0	-19	22	-14	0.03	2.89	13.58	0.84	-0.99	
Newell	6	-16	39	-15	0.06	2.03	13.13	-0.08	-0.37	
Timber Lake	3	-16	27	-12	0.05	2.78	15.43	0.27	-0.72	
North Central										
Aberdeen	2	-14	21	-13	0.15	4.72	20.24	2.16	2.52	
Faulkton	4	-13	26	-8	0.05	4.93	19.34	2.21	1.77	
Mobridge	4	-16	23	-8	0.05	3.43	15.12	1.21	0.21	
Roscoe	3	-13	21	-9	0.09	4.74	21.72	2.08	3.75	
Northeast										
Britton	2	-14	21	-11	0.20	5.53	24.44	2.95	6.14	
Clear Lake	4	-12	26	-10	0.31	7.88	23.52	4.25	1.23	
Sisseton	3	-14	23	-9	0.24	7.89	20.84	4.71	1.89	
Watertown	6	-10	24	-9	0.15	6.83	22.10	3.82	2.72	
Webster	4	-12	23	-8	0.22	5.72	23.67	2.99	4.32	
West Central										
Faith	5	-17	27	-10	0.06	2.30	15.26	0.02	0.04	
Milesville	5	-18	29	-10	0.48	4.31	15.56	1.87	-1.56	
Philip	8	-14	35	-8	0.16	3.83	12.63	1.74	-2.34	
Rapid City	8	-16	40	-15	0.15	2.69	15.14	0.48	0.54	
Spearfish	15	-12	45	-10	0.05	3.77	15.51	0.37	-3.09	
Central										
Chamberlain	9	-13	30	-8	0.26	3.27	19.02	0.37	-0.48	
Highmore	3	-16	24	-11	0.08	3.71	19.90	0.97	1.17	
Huron	6	-13	24	-8	0.17	4.17	18.89	1.48	0.90	
Onida	7	-12	27	-7	0.04	4.48	15.06	1.82	-1.86	
Pierre	7	-16	26	-7	0.03	4.40	15.91	1.93	-1.37	
East Central										
Brookings	5	-12	27	-11	0.05	6.55	21.07	3.62	0.40	
Forestburg	8	-13	29	-8	0.16	5.19	23.65	2.01	4.29	
Madison	7	-10	32	-13	0.20	5.38	17.71	1.87	-4.36	
Mitchell	9	-12	31	-5	0.25	4.73	19.53	1.69	-0.30	
Sioux Falls	10	-9	33	-8	0.33	6.06	19.40	2.47	-2.24	
Southwest										
Custer	6	-20	32	-16	0.47	2.85	16.41	0.45	-1.44	
Hot Springs	9	-17	42	-12	0.28	4.17	17.64	2.21	2.22	
Oelrichs	8	-16	45	-13	0.15	3.57	16.02	1.38	0.84	
Porcupine	6	-17	36	-20	0.30	5.30	18.78	3.07	3.31	
South Central										
Kennebec	5	-17	28	-14	0.17	3.91	17.58	1.67	1.05	
Mission	8	-16	39	-12	0.15	2.63	18.39	0.09	0.48	
Murdo	9	-13	29	-7	0.17	4.18	19.54	1.52	2.66	
Winner	10	-16	37	-6	0.01	2.02	18.99	-1.11	-1.56	
Southeast										
Armour	8	-16	33	-9	0.25	4.49	19.94	1.37	-0.41	
Centerville	9	-12	33	-12	0.52	5.36	23.76	1.89	1.78	
Pickstown	9	-15	37	-8	0.40	4.90	20.09	1.86	-0.47	
Vermillion	12	-12	34	-10	0.33	5.90	24.87	2.15	2.38	
Yankton	11	-12	36	-6	0.74	6.72	24.49	3.33	2.35	

DATA AND MAPS SOURCE: State Climate Office of South Dakota