

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 16, 2007
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AGRICULTURAL SUMMARY

First widespread frost of the season occurred last week in many areas of the state. Mostly dry conditions allowed for 6.2 days suitable for fieldwork. Major farm activities included cutting silage, seeding winter wheat, preparing to sell calves and lambs, and preparing for row crop harvest.

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

WEATHER INFORMATION

A much colder-than-average week occurred over the state with temperatures as much as 11° F below average, according to the State Climate Office of South Dakota. The main weather story of the week was the sub-freezing temperatures which ended the growing season for many crops across the state. Low temperatures reached 25° F in Porcupine and well below freezing in several other locations on Thursday night as cold temperatures, low wind, and dry air settled over much of western South Dakota. Southeast South Dakota received its stretch of cold Friday as the area of high pressure moved eastward with Yankton reaching 28° F and Brookings reaching 29° F. Row crops and gardens reached the end of their season in many places on one of these two nights. Light precipitation occurred only in the southeast part of the state. Most of the state was dry for the week.

SOIL CONDITION

Cooler air temperatures drove average soil temperatures down approximately 10° F. The southwest part of the state remains quite dry, but statewide soil moisture is adequate. Topsoil moisture was rated at 76 percent adequate to surplus. Subsoil moisture was rated at 65 percent adequate to surplus.

FIELD CROPS REPORT

Forty-two percent of corn is rated mature, ahead of the five-year average of 32 percent. This week marked the first few reports of high-moisture corn harvest. Aided by frost, soybeans now have 61 percent of the crop dropping leaves, behind the average of 67 percent. Sorghum is rated at 38 percent mature, ahead of the average of 27 percent. The sunflower crop has 75 percent bracts yellow, ahead of the normal of 66 percent. Thirty-six percent of winter wheat has been planted, which jumps it ahead of the normal of 32 percent.

LIVESTOCK, PASTURE, AND RANGE REPORT

Corn and sorghum silage harvest are at 57 and 58 percent, respectively, both behind the five-year average of 62 percent. Cattle, sheep, and alfalfa conditions held nearly steady this week. August rains improved the range and pasture condition to 55 percent rated good to excellent, an improvement over the five-year average of 25 percent for this time of the year. Some producers are making plans for weaning calves and contracting fall sales.

Soil Temperatures Week Ending September 16, 2007 (4-inch Depth)

Location	Temp	Location	Temp
Beresford	60	Nisland	65
Brookings	59	Oacoma	66
Caputa	58	Pierre	67
Cottonwood	60	Redfield	58
Gettysburg	NA	South Shore	57

Feed and Water Supplies Comparison as of September 16, 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	22	15	12	28	28
Short	9	27	23	19	29	26
Adequate	84	50	58	64	41	44
Surplus	6	1	4	5	2	2

Soil Moisture Condition Comparison as of September 16, 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	6	5	19	11	10	36
Short	18	18	26	24	29	26
Adequate	73	74	52	63	58	36
Surplus	3	3	3	2	3	2

Crop and Livestock Conditions as of September 16, 2007

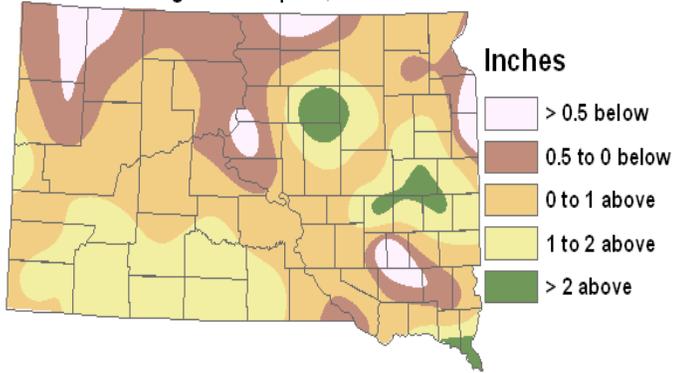
Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn	2	6	24	55	13
Soybeans	0	2	20	56	22
Sorghum	2	6	31	54	7
Sunflower	2	5	30	53	10
Alfalfa	3	2	30	58	7
Cattle	0	1	11	70	18
Sheep	0	0	8	72	20
Range & Pasture	4	9	32	49	6

Crop Progress as of September 16, 2007¹

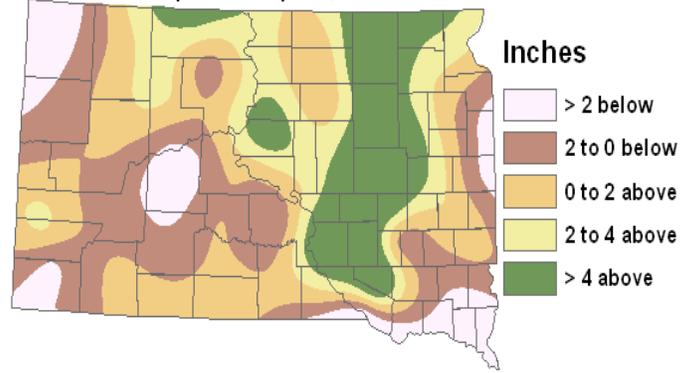
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Seeded	36	10	34	32
Emerged	5	0	3	4
Corn				
Dent	95	87	96	89
Mature	42	25	33	32
Grain Harvested	2	0	3	2
Silage Harvested	57	30	80	62
Soybeans				
Dropping Leaves	61	42	62	67
Mature	14	5	8	18
Harvested	0	0	1	1
Sorghum				
Coloring	95	89	92	89
Mature	38	19	29	27
Grain Harvested	3	0	2	3
Silage Harvested	58	40	78	62
Sunflower				
Ray Flowers Dry	95	84	89	87
Bracts Yellow	75	64	72	66
Mature	9	4	13	15
Harvested	0	0	1	1
Alfalfa				
3rd Cutting	84	80	80	77

¹ Percents represent all acreage in or beyond each stage.

Accumulated Precip Departure from Normal
for Aug 18 to Sep 16, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Sep 16, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, September 16, 2007

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	57	-5	90	27	0.00	15.91	13.05	-0.79	1.02	2,551	96
Buffalo	59	1	91	26	0.00	11.13	9.03	-4.92	-3.10	2,461	399
Dupree	58	-3	89	28	0.00	17.66	14.43	0.39	1.62	2,735	258
McIntosh	53	-8	83	30	0.00	20.07	16.70	4.25	4.80	2,451	-10
Newell	56	-6	84	31	0.00	13.36	10.04	-1.61	-0.84	2,590	131
Timber Lake	54	-7	87	27	0.00	16.97	12.48	-1.03	-0.56	2,607	156
North Central											
Aberdeen	53	-8	77	32	0.01	26.14	21.88	6.76	7.56	2,565	104
Faulkton	53	-9	81	32	0.00	19.95	15.03	0.36	0.90	2,549	45
Mobridge	58	-4	80	39	0.00	18.42	14.71	2.11	2.65	2,737	203
Roscoe	51	-8	80	35	0.00	18.63	14.70	-0.93	0.09	2,428	147
Northeast											
Britton	52	-10	76	34	0.00	24.31	19.99	4.59	5.23	2,702	254
Clear Lake	51	-9	74	34	0.00	21.78	15.49	-2.92	-2.10	2,446	192
Sisseton	54	-7	76	33	0.00	24.94	18.25	3.70	3.32	2,573	147
Watertown	55	-4	72	36	0.00	21.31	16.00	0.23	0.49	2,579	398
Webster	53	-7	73	37	0.00	25.30	18.57	4.07	2.78	2,484	177
West Central											
Faith	60	-4	92	29	0.00	18.24	14.61	1.22	2.30	2,674	70
Milesville	61	-2	96	30	0.00	15.21	11.11	-3.78	-2.93	2,843	191
Philip	62	-1	96	29	0.18	13.63	9.72	-2.93	-2.62	2,942	299
Rapid City	59	-2	93	29	0.00	14.10	11.88	-2.02	0.01	2,664	309
Spearfish	57	-3	84	31	0.06	17.65	13.69	-3.27	-0.77	2,704	363
Central											
Chamberlain	58	-6	84	39	0.31	27.97	21.59	6.48	5.85	2,895	267
Highmore	56	-6	85	28	0.11	22.61	18.46	2.17	3.26	2,637	109
Huron	54	-8	79	34	0.01	28.00	22.75	7.94	8.29	2,814	225
Onida	57	-5	88	31	0.00	24.02	18.68	4.88	5.12	2,709	182
Pierre	59	-6	89	33	0.00	18.73	14.58	-0.40	0.52	2,818	69
East Central											
Brookings	50	-10	70	29	0.02	20.45	15.29	-1.29	-1.38	2,497	222
Forestburg	57	-7	81	34	0.18	26.45	20.45	5.11	5.11	2,908	136
Madison	51	-10	72	29	0.00	24.73	19.05	0.68	1.59	2,621	329
Mitchell	58	-5	82	35	0.00	22.29	15.44	0.42	-0.36	2,889	210
Sioux Falls	53	-9	77	30	0.09	27.23	17.23	3.67	0.31	2,857	295
Southwest											
Custer	55	-2	80	29	0.00	20.01	16.91	0.49	2.14	2,034	262
Hot Springs	60	-1	88	30	0.22	13.37	10.73	-3.38	-2.15	2,766	300
Oelrichs	60	-2	97	27	0.06	12.72	10.71	-3.95	-1.70	2,795	251
Porcupine	54	-8	90	25	0.39	16.02	12.94	-0.80	0.40	2,757	260
South Central											
Kennebec	60	-6	90	28	0.15	18.86	12.60	0.80	-1.04	3,130	251
Mission	55	-8	89	30	0.25	21.45	15.30	2.17	0.72	2,823	309
Murdo	56	-7	87	33	0.33	18.26	13.55	-0.90	-0.06	2,851	219
Winner	62	-4	89	32	0.00	24.85	17.20	2.11	0.76	2,999	69
Southeast											
Armour	55	-10	80	34	0.34	31.12	23.19	8.42	6.98	3,018	92
Centerville	53	-10	78	33	0.52	20.64	14.20	-3.19	-3.33	2,915	223
Pickstown	57	-8	84	40	0.00	21.59	14.26	-0.78	-2.26	2,964	165
Vermillion	55	-11	76	33	0.31	22.09	13.78	-2.19	-3.88	3,133	103
Yankton	53	-11	80	28	0.45	24.04	14.55	-0.09	-3.24	2,963	202

DATA AND MAP SOURCE: State Climate Office of South Dakota