

South Dakota Weekly Crop Weather Report

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AGRICULTURAL EXTENSION SERVICE and
U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

Precipitation throughout the eastern part of state has slowed the start up of the soybean harvest. There were 5.5 days suitable for fieldwork in the past week. Some of the major farm activities included moving cattle and calves closer to home, cutting silage, seeding winter wheat, and the start up of the row crop harvest.

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

WEATHER INFORMATION

Another week of generally warmer than average temperatures continued to push crop maturation, according to the State Climate office of South Dakota. Most of the northern and eastern parts of the state were 1–4° F above average last week. Stations from the Black Hills across the south were near normal to a few degrees below average for temperature. This again helped to close the GDD shortfall slightly. The highest temperature for the week was 87° F at Porcupine and Murdo; the lowest temperature was 25° F at Custer. No sub-freezing temperatures had occurred outside the Black Hills through Sunday.

More precipitation fell across the state last week. The highest totals fell across northeast and east central South Dakota where several amounts exceeded 1 inch. The most reported was at Britton with 2.07 inches. Six stations from west to north central South Dakota reported no precipitation. Many other stations across the west reported amounts less than 0.25 inch. This continues a dry trend across much of the western half of the state over the last 30 days.

SOIL CONDITION

Topsoil rated at 56 percent in the adequate to surplus range last week, compared to 63 percent in 2008 and 71 percent for the five-year average. Subsoil was rated at 57 percent in the adequate to surplus range, compared to 62 percent last year and 58 percent for the five-year average. Soil temperatures are responding to cooler overall conditions with five stations having average temperatures in the 50s F.

FIELD CROPS REPORT

Eighty-nine percent of the corn is in or beyond the dent stage, compared to last year and the five-year average at 98 percent. Corn rated mature is at 34 percent, compared to 41 percent last year and 59 percent for the five-year average. Corn harvested for silage is at 52 percent compared to last year's 74 percent and five-year average of 80 percent. Eighty-six percent of the soybeans are dropping leaves, compared to last years 89 percent and five-year average of 90 percent. Twenty-six percent of the soybean crop is rated mature, compared to 43 percent last year and 49 percent for the five-year average. Two percent of the soybean crop has been harvested, compared to last year and the five-year average at 9 percent. Sixty-six percent of the winter wheat seeding is complete, compared to 58 percent last year and 64 percent for the five-year average.

Feed and Water Supplies Comparison as of September 27, 2009

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	0	0	6	1	2	16
Short	4	6	14	12	16	22
Adequate	84	82	73	81	74	57
Surplus	12	12	7	6	8	5

LIVESTOCK, PASTURE, AND RANGE REPORT

Cattle rated 86 percent in good to excellent condition, compared to 87 percent last year and 83 percent for the five-year average. Sheep rated 84 percent in good to excellent condition, compared to 90 percent in 2008 and 86 percent for the five-year average. Range and pasture rated at 64 percent in good to excellent condition, compared to 62 percent last year and 43 percent for the five-year average.

Soil Moisture Condition Comparison as of September 27, 2009

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	7	8	6	3	9	7
Short	37	30	31	40	34	30
Adequate	54	60	61	56	54	62
Surplus	2	2	2	1	3	1

Crop and Livestock Conditions as of September 27, 2009

Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn	0	3	17	56	24
Soybeans	1	3	24	51	21
Sorghum	0	2	20	63	15
Sunflower	0	3	19	62	16
Alfalfa	0	6	25	56	13
Cattle	0	1	13	67	19
Sheep	0	1	15	62	22
Range & Pasture	1	7	28	51	13

Crop Progress as of September 27, 2009 ¹

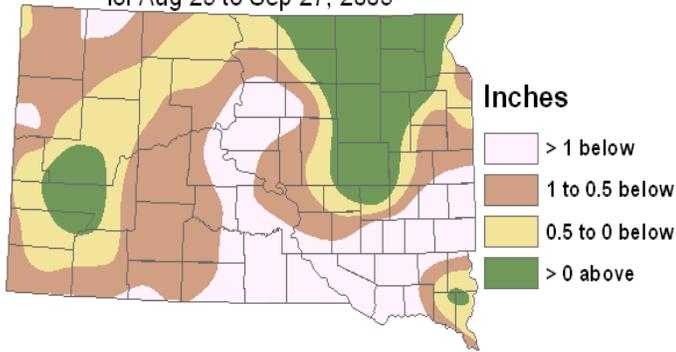
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Seeded	66	50	58	64
Emerging	23	12	20	23
Corn				
Dent	89	73	98	98
Mature	34	11	41	59
Grain Harvested	0	0	2	6
Silage Harvested	52	38	74	80
Soybeans				
Dropping Leaves	86	71	89	90
Mature	26	11	43	49
Harvested	2	0	9	9
Sorghum				
Coloring	95	84	95	97
Mature	36	22	23	54
Grain Harvested	7	1	3	9
Silage Harvested	47	29	73	78
Sunflower				
Ray Flowers Dry	95	89	95	97
Bracts Yellow	74	67	82	86
Mature	13	5	17	27
Harvested	0	0	0	2
Alfalfa				
3rd Cutting	81	77	82	85

¹ Percents represent all acreage in or beyond each stage.

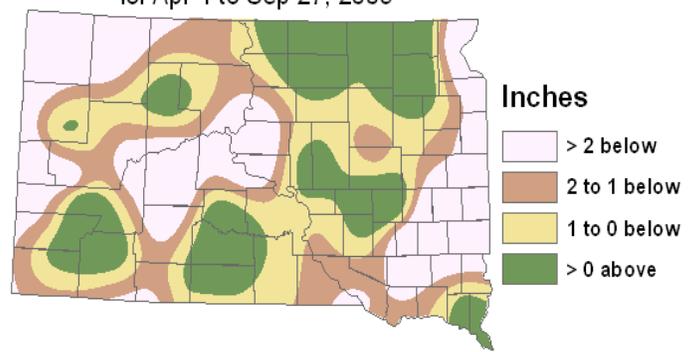
Average Soil Temperatures Week Ending September 27, 2009 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	59	Nisland	60
Beresford	62	Oacoma	65
Bowdle	58	Parkston	62
Brookings	62	Pierre	66
Caputa	56	Redfield	58
Cottonwood	64	South Shore	59

PAST 30 DAYS
Accumulated Precip Deviation from Average
for Aug 29 to Sep 27, 2009



GROWING SEASON
Accumulated Precip Deviation from Average
for Apr 1 to Sep 27, 2009



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, September 27, 2009

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	60	3	84	43	0.05	19.23	9.26	2.09	-3.21	2,319	-256
Buffalo	58	4	86	34	0.02	13.74	7.25	-2.78	-5.34	2,202	37
Dupree	59	2	83	38	0.00	21.36	13.96	3.65	0.71	2,434	-163
McIntosh	58	2	83	43	0.23	17.88	10.67	1.59	-1.70	2,140	-437
Newell	55	-1	79	38	0.03	17.59	11.10	2.23	-0.17	2,201	-382
Timber Lake	60	3	84	39	0.08	21.34	12.65	2.89	-0.84	2,392	-174
North Central											
Aberdeen	58	1	77	44	0.92	24.10	15.52	4.06	0.54	2,287	-285
Faulkton	58	1	81	45	0.21	21.16	14.41	1.01	-0.28	2,292	-333
Mobridge	59	1	84	42	0.22	18.33	11.69	1.54	-0.85	2,377	-272
Roscoe	58	2	80	41	0.78	24.62	16.98	4.51	1.82	2,176	-212
Northeast											
Britton	57	0	75	40	2.07	30.30	18.91	9.81	3.38	2,113	-453
Clear Lake	60	4	76	47	1.66	27.46	15.64	1.90	-2.81	2,159	-192
Sisseton	60	3	77	50	1.31	24.69	12.95	2.79	-2.64	2,300	-232
Watertown	58	4	74	48	0.80	24.12	15.27	2.37	-0.91	2,156	-122
Webster	59	3	75	49	1.89	27.58	17.95	5.70	1.51	2,220	-180
West Central											
Faith	57	0	84	38	0.00	18.68	12.89	1.18	0.10	2,305	-427
Milesville	59	0	85	38	0.00	18.35	11.25	-1.13	-3.28	2,539	-246
Philip	57	0	86	41	0.00	15.16	8.72	-1.82	-4.04	2,608	-172
Rapid City	55	-1	83	39	0.00	18.58	12.45	2.06	0.18	2,223	-255
Spearfish	54	-1	84	34	0.00	21.32	11.74	-0.16	-3.28	2,375	-77
Central											
Chamberlain	58	0	80	45	0.13	22.16	15.45	-0.01	-0.97	2,625	-139
Highmore	57	0	79	46	0.12	21.42	16.04	0.37	0.23	2,319	-336
Huron	59	2	77	47	0.88	24.03	14.55	3.31	-0.57	2,474	-237
Onida	57	0	80	41	0.17	16.88	10.58	-2.81	-3.53	2,271	-384
Pierre	59	0	83	44	0.11	17.84	11.24	-1.86	-3.39	2,540	-344
East Central											
Brookings	59	3	78	44	1.42	22.95	14.52	0.35	-3.01	2,184	-199
Forestburg	62	2	80	47	0.66	26.77	18.46	4.77	2.46	2,619	-288
Madison	57	0	73	41	1.04	19.88	12.33	-5.05	-6.01	2,259	-143
Mitchell	60	1	77	47	0.01	24.08	14.79	1.41	-1.81	2,691	-114
Sioux Falls	59	1	74	44	0.81	22.67	13.34	-1.79	-4.48	2,503	-180
Southwest											
Custer	50	-3	77	25	0.01	17.17	13.51	-2.87	-1.78	1,706	-168
Hot Springs	57	0	84	35	0.33	17.60	13.47	0.41	0.15	2,503	-102
Oelrichs	57	0	86	37	0.29	19.39	12.45	2.28	-0.40	2,462	-223
Porcupine	56	0	87	35	0.19	20.97	13.48	3.60	0.39	2,400	-236
South Central											
Kennebec	60	0	84	43	0.17	20.01	13.67	1.45	-0.47	2,686	-344
Mission	56	-1	83	40	0.23	22.43	15.76	2.54	0.57	2,433	-208
Murdo	60	1	87	48	0.08	22.60	15.36	2.98	1.29	2,588	-175
Winner	58	-3	81	46	0.11	23.30	16.81	-0.21	-0.40	2,652	-427
Southeast											
Armour	59	-2	76	45	0.40	22.33	15.45	-1.18	-1.57	2,554	-515
Centerville	59	0	74	43	0.10	27.68	18.40	3.08	0.10	2,480	-338
Pickstown	59	0	81	48	0.56	23.57	15.19	0.41	-2.12	2,554	-379
Vermillion	61	0	79	46	0.46	30.21	18.97	5.06	0.44	2,731	-449
Yankton	60	0	81	44	0.13	28.20	17.77	3.30	-0.79	2,641	-254

DATA AND MAP SOURCE: State Climate Office of South Dakota