

South Dakota Weekly Crop Weather Report

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SOUTH DAKOTA STATE UNIVERSITY
AGRICULTURAL EXTENSION SERVICE and
U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

Last week brought 6.4 days suitable for fieldwork, which helped bring small grain harvest to a near close. Areas in the central and south central part of the state are experiencing problems with grasshoppers. Major farm activities include moving bales and caring for livestock.

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

WEATHER INFORMATION

Statewide variation in conditions was very apparent this week, according to the State Climate office of South Dakota.

Temperatures ranged from 7° F below average in Vermillion to 8° F above average in Buffalo. The area of colder than average temperature was generally southeast of a Watertown to Martin line. Warmer temperatures existed northeast of this line with the warmest temperatures generally around the Black Hills. The high temperature for the week was at Oelrichs at 93° F. Brookings reported the lowest at 40° F.

Precipitation also showed large variability. Most of the state reported no or only light precipitation. Sixteen stations listed here reported no precipitation with several other indicating less than a tenth inch. Centerville (1.73 inches) and Vermillion (1.17 inches) were the highest reports here. But other storms dropped heavier precipitation during the week. Radar estimates and other reports indicated as much as 3 inches in Kingsbury County.

SOIL CONDITION

Topsoil rated at 67 percent in the adequate to surplus range last week, compared to 59 percent in 2008 and 55 percent for the five-year average. Subsoil was rated at 69 percent in the adequate to surplus range, compared to 62 percent last year and 48 percent for the five-year average.

FIELD CROPS REPORT

Eighty-five percent of the corn is in or beyond the dough stage, compared to 92 percent last year and 94 percent for the five-year average. Forty-two percent of corn is in the dent stage, compared to the five year average of 67 percent. Corn in the mature stage is at 2 percent and equal to last year, but behind the five-year average of 9 percent. Corn harvested for silage is at 7 percent compared to last year's 12 percent and five-year average of 30 percent. Soybeans dropping leaves are 34 percent, compared to last years 24 percent and five-year average of 31 percent. Only 1 percent of the soybean crop is rated mature, with the five-year average at 2 percent.

Feed and Water Supplies Comparison as of September 6, 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	8	1	2	19
Short	3	6	16	9	12	21
Adequate	87	80	68	83	77	56
Surplus	10	14	8	7	9	4

LIVESTOCK, PASTURE, AND RANGE REPORT

Cattle rated at 88 percent in the good to excellent condition, compared to 90 percent in 2008 and 81 percent for the five-year average. Sheep rated at 86 percent in the good to excellent condition, compared to 92 percent in 2008 and 85 percent for the five-year average. Range and pasture rated at 72 percent in the good to excellent condition, compared to 64 percent last year and 41 percent for the five-year average.

Soil Moisture Condition Comparison as of September 6, 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	3	3	6	2	7	5
Short	30	20	35	29	25	33
Adequate	65	74	55	68	65	58
Surplus	2	3	4	1	3	4

Crop and Livestock Conditions as of September 6, 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	5	17	59	19
Soybeans	1	4	24	59	12
Sorghum	1	2	15	63	19
Sunflower	1	5	15	65	14
Alfalfa	1	4	25	55	15
Cattle	0	1	11	73	15
Sheep	0	1	13	68	18
Range & Pasture	1	3	24	56	16

Crop Progress as of September 6, 2009 ¹

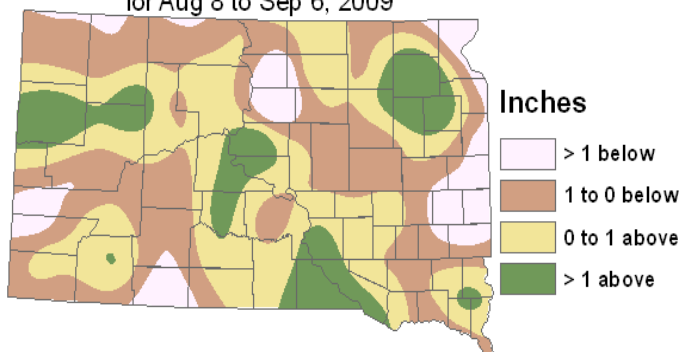
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Seeded	14	5	9	12
Barley				
Harvested	98	88	99	100
Oats				
Harvested	98	92	100	100
Spring Wheat				
Harvested	97	91	100	100
Corn				
Dough	85	68	92	94
Dent	42	11	59	67
Mature	2	1	2	9
Silage Harvested	7	2	12	30
Soybeans				
Dropping Leaves	34	11	24	31
Mature	1	0	0	2
Sorghum				
Headed	97	92	96	99
Coloring	51	33	65	75
Mature	8	2	2	8
Silage Harvested	17	0	13	34
Sunflower				
Blooming	99	94	100	100
Ray Flowers Dry	46	33	61	65
Bracts Yellow	12	6	31	38
Mature	0	0	0	1
Alfalfa				
2nd Cutting	98	93	99	100
3rd Cutting	56	46	64	68

¹ Percents represent all acreage in or beyond each stage.

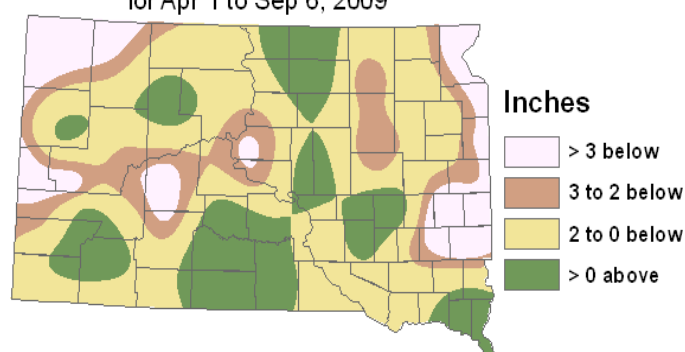
Average Soil Temperatures Week Ending September 6, 2009 (4-inch Depth)

Location	Temp	Location	Temp
Aberdeen	63	Nisland	69
Beresford	63	Oacoma	69
Bowdle	62	Parkston	67
Brookings	65	Pierre	70
Caputa	63	Redfield	60
Cottonwood	72	South Shore	61

PAST 30 DAYS
Accumulated Precip Deviation from Average
for Aug 8 to Sep 6, 2009



GROWING SEASON
Accumulated Precip Deviation from Average
for Apr 1 to Sep 6, 2009



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, September 6, 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		
	Degrees	Degrees	Degrees	Degrees	Inches	Inches	Inches	Inches	Inches		
Northwest											
Bison	67	2	87	51	0.12	19.01	9.04	2.71	-2.59	1,978	-344
Buffalo	70	8	92	54	0.22	13.39	6.90	-2.27	-4.83	1,892	-54
Dupree	67	1	85	52	0.19	20.88	13.48	3.97	1.03	2,096	-247
McIntosh	67	2	87	47	0.00	17.07	9.86	1.65	-1.64	1,830	-501
Newell	66	0	87	46	0.00	17.23	10.74	2.56	0.16	1,906	-416
Timber Lake	66	1	84	47	0.21	20.53	11.84	2.93	-0.80	2,042	-282
North Central											
Aberdeen	64	0	81	44	0.04	19.73	11.15	0.95	-2.57	1,991	-346
Faulkton	62	-2	83	42	0.01	20.16	13.41	1.17	-0.12	1,983	-388
Mobridge	68	1	84	54	0.07	17.52	10.88	1.62	-0.77	2,041	-362
Roscoe	61	-1	80	46	0.23	23.26	15.62	4.23	1.54	1,888	-273
Northeast											
Britton	64	0	78	46	0.00	24.62	13.23	5.60	-0.83	1,820	-502
Clear Lake	62	-1	77	45	0.02	25.51	13.69	1.64	-3.07	1,840	-304
Sisseton	64	0	82	47	0.01	22.25	10.51	1.70	-3.73	1,977	-330
Watertown	62	0	78	44	0.12	22.72	13.87	2.34	-0.94	1,852	-219
Webster	64	0	77	50	0.15	23.79	14.16	3.18	-1.01	1,909	-291
West Central											
Faith	68	1	86	54	0.35	18.02	12.23	1.40	0.32	1,984	-478
Milesville	68	1	86	54	0.05	17.95	10.85	-0.64	-2.79	2,193	-313
Philip	69	2	88	51	0.00	14.83	8.39	-1.35	-3.57	2,264	-231
Rapid City	68	2	91	50	0.00	16.82	10.69	1.04	-0.84	1,928	-291
Spearfish	69	4	88	53	0.00	20.53	10.95	0.05	-3.07	2,083	-133
Central											
Chamberlain	67	0	82	54	0.00	21.14	14.43	0.35	-0.61	2,304	-175
Highmore	64	-1	81	51	0.00	20.46	15.08	0.53	0.39	2,023	-368
Huron	65	0	81	47	0.15	21.64	12.16	2.18	-1.70	2,152	-305
Onida	63	-2	80	49	0.00	16.49	10.19	-2.15	-2.87	1,982	-406
Pierre	67	-1	84	53	0.00	17.40	10.80	-1.23	-2.76	2,206	-393
East Central											
Brookings	60	-3	78	40	0.01	21.44	13.01	0.57	-2.79	1,883	-276
Forestburg	63	-3	80	45	0.37	24.98	16.67	4.33	2.02	2,284	-340
Madison	62	-2	75	48	0.07	18.83	11.28	-4.33	-5.29	1,975	-198
Mitchell	66	0	80	53	0.25	23.52	14.23	2.45	-0.77	2,358	-182
Sioux Falls	62	-2	78	42	0.32	21.78	12.45	-0.88	-3.57	2,185	-248
Southwest											
Custer	64	4	82	48	0.05	15.99	12.33	-3.03	-1.94	1,491	-170
Hot Springs	68	3	91	46	0.00	16.61	12.48	0.31	0.05	2,187	-133
Oelrichs	68	1	93	46	0.00	18.62	11.68	2.37	-0.31	2,144	-249
Porcupine	67	1	88	45	0.00	20.11	12.62	3.70	0.49	2,090	-258
South Central											
Kennebec	66	-2	82	52	0.00	19.60	13.26	2.02	0.10	2,345	-372
Mission	64	-2	80	48	0.00	21.87	15.20	3.09	1.12	2,142	-232
Murdo	66	-1	83	53	0.00	22.35	15.11	3.59	1.90	2,242	-243
Winner	66	-3	80	54	0.01	22.80	16.31	0.76	0.57	2,323	-438
Southeast											
Armour	63	-5	79	44	0.40	21.83	14.95	-0.07	-0.46	2,247	-519
Centerville	62	-4	79	43	1.73	27.16	17.88	4.13	1.15	2,168	-385
Pickstown	63	-4	81	48	0.14	22.91	14.53	1.34	-1.19	2,239	-408
Vermillion	62	-7	79	43	1.17	29.54	18.30	6.06	1.44	2,416	-445
Yankton	61	-5	82	41	0.66	27.78	17.35	4.38	0.29	2,313	-301

DATA AND MAP SOURCE: State Climate Office of South Dakota