

South Dakota Weekly Crop Weather Report

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

AGRICULTURAL SUMMARY

Statewide, it was a warm and windy week allowing row crops to mature. There were 5.9 days suitable for fieldwork. Major farm activities included cutting silage and alfalfa, seeding winter wheat, preparing winter lots for cattle and sheep, and initiating 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

Northeast South Dakota, which had not seen as much recovery from the mid-summer dryness, was the beneficiary of this week's rain, according to the State Climate Office of South Dakota. Over half-inch rains fell across much of the northeast quarter of the state, with localized totals over 4 inches. Precipitation over most of the rest of the state was very light, with only a couple isolated storms producing significant rainfall in the southeast and over the west.

Temperatures were generally above average over most of the state. Continued dry down of crops occurred during the week. Some locations escaped the freeze of the previous week, allowing usual dry down.

SOIL CONDITION

Soil temperatures were the same or warmer than last week due to the warm air temperatures. Statewide, soil moisture ratings remain adequate. Topsoil moisture was rated at 73 percent adequate to surplus, which is similar to last year's 71 percent and better than the five-year average of 56 percent. Subsoil moisture was rated at 65 percent adequate to surplus, an improvement over both last year's 43 percent and the five-year average at 41 percent. The southwest part of the state continues to be quite dry.

FIELD CROPS REPORT

Warm, windy conditions facilitated dry down of row crops. Sixty-seven percent of corn is rated mature, ahead of both last year's 57 percent and the five-year average of 53 percent. Soybeans now have 81 percent of the crop dropping leaves, behind the average of 86 percent. Also, soybeans were rated at 34 percent mature, behind the five-year average of 39 percent. This week marked the first few harvest reports of soybeans, at 1 percent. Sorghum appeared to dry down the most this week with maturity rated at 74 percent, ahead of the five-year average of 44 percent. The sunflower crop has 90 percent bracts yellow, ahead of the normal of 79 percent. Sunflower maturity is now rated at 20 percent, behind the five-year average of 28 percent. Sixty percent of winter wheat has been planted, which equals last year. Winter wheat emergence is rated at 19 percent, ahead of 17 percent last year.

LIVESTOCK, PASTURE, AND RANGE REPORT

Corn silage harvest is at 76 percent, behind the average of 79 percent. Sorghum silage harvest is now rated 68 percent, behind the five-year average of 76 percent. Cattle and sheep conditions continue to be strong. The range and pasture condition is rated at 54 percent good to excellent, ahead of the five-year average of 26 percent. Alfalfa condition is rated at 62 percent good to excellent, an improvement over the five-year average of 32 percent. The third cutting of alfalfa is at 88 percent, compared to last year's 83 percent.

Feed and Water Supplies Comparison as of September 23, 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	18	14	14	29	28
Short	8	27	23	18	29	26
Adequate	82	54	59	61	40	44
Surplus	9	1	4	7	2	2

Soil Moisture Condition Comparison as of September 23, 2007

Rating	Topsoil			Subsoil		
	This Week	Last Year	Last Year	This Week	Last Year	Last Year
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Very Short	7	6	11	13	11	28
Short	20	18	18	22	24	29
Adequate	70	73	67	63	63	41
Surplus	3	3	4	2	2	2

Crop and Livestock Conditions as of September 23, 2007

Item	V Poor	Poor	Fair	Good	Excel
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn	3	5	24	55	13
Soybeans	0	3	19	56	22
Sorghum	3	9	38	42	8
Sunflower	3	7	31	50	9
Alfalfa	4	5	29	57	5
Cattle	0	1	12	68	19
Sheep	0	1	9	74	16
Range & Pasture	3	10	33	48	6

Crop Progress as of September 23, 2007 ¹

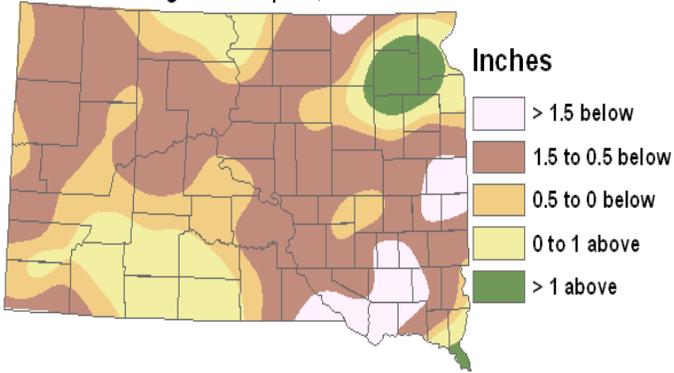
Item	This Week	Last Year	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Seeded	60	36	60	52
Emerged	19	5	17	13
Corn				
Mature	67	42	57	53
Grain Harvested	7	2	6	5
Silage Harvested	76	57	90	79
Soybeans				
Dropping Leaves	81	61	86	86
Mature	34	14	34	39
Harvested	1	0	2	6
Sorghum				
Mature	74	38	43	44
Grain Harvested	8	3	4	7
Silage Harvested	68	58	90	76
Sunflower				
Bracts Yellow	90	75	81	79
Mature	20	9	23	28
Harvested	0	0	2	4
Alfalfa				
3rd Cutting	88	84	83	81

¹ Percents represent all acreage in or beyond each stage.

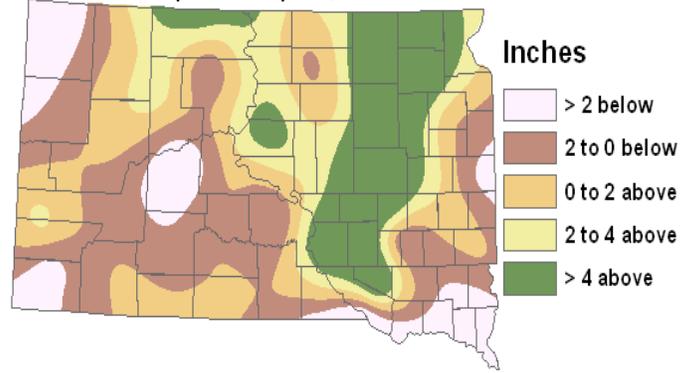
Soil Temperatures Week Ending September 23, 2007 (4-inch Depth)

Location	Temp	Location	Temp
Beresford	64	Nisland	65
Brookings	62	Oacoma	68
Caputa	59	Pierre	69
Cottonwood	66	Redfield	60
Gettysburg	NA	South Shore	60

Accumulated Precip Departure from Normal
for Aug 25 to Sep 23, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Sep 23, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, September 23, 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	63	4	93	41	0.06	15.97	13.11	-1.01	0.80	2,648	113
Buffalo	62	6	93	42	0.10	11.23	9.13	-5.10	-3.28	2,550	420
Dupree	67	8	96	40	0.00	17.66	14.43	0.11	1.34	2,854	296
McIntosh	61	3	90	38	0.61	20.68	17.31	4.58	5.13	2,541	3
Newell	66	7	92	46	0.09	13.45	10.13	-1.75	-0.98	2,702	160
Timber Lake	67	8	95	44	0.04	17.01	12.52	-1.27	-0.80	2,722	194
North Central											
Aberdeen	61	3	92	37	0.40	26.54	22.28	6.74	7.54	2,660	126
Faulkton	63	4	93	41	0.50	20.45	15.53	0.50	1.04	2,647	63
Mobridge	63	4	89	39	0.82	19.24	15.53	2.65	3.19	2,836	225
Roscoe	59	2	86	37	0.03	18.66	14.73	-1.25	-0.23	2,511	158
Northeast											
Britton	62	3	91	37	1.10	25.41	21.09	5.20	5.84	2,799	273
Clear Lake	65	8	85	45	1.57	23.35	17.06	-1.91	-1.09	2,555	237
Sisseton	64	6	90	46	1.76	26.70	20.01	5.04	4.66	2,672	175
Watertown	65	8	88	44	0.74	22.05	16.74	0.54	0.80	2,687	441
Webster	63	6	88	43	4.67	29.97	23.24	8.32	7.03	2,583	213
West Central											
Faith	66	5	95	43	0.57	18.81	15.18	1.51	2.59	2,784	95
Milesville	68	7	99	44	0.05	15.26	11.16	-4.02	-3.17	2,961	221
Philip	69	9	97	41	0.31	13.94	10.03	-2.88	-2.57	3,068	334
Rapid City	66	8	95	45	0.29	14.39	12.17	-1.97	0.06	2,777	341
Spearfish	67	9	88	43	0.14	17.79	13.83	-3.48	-0.98	2,824	409
Central											
Chamberlain	70	9	95	43	0.00	27.97	21.59	6.04	5.41	3,034	316
Highmore	64	4	93	39	0.22	22.83	18.68	2.02	3.11	2,745	133
Huron	66	7	91	39	0.18	28.18	22.93	7.70	8.05	2,933	264
Onida	67	7	94	42	0.03	24.05	18.71	4.56	4.80	2,825	213
Pierre	66	5	97	41	0.66	19.39	15.24	-0.09	0.83	2,931	92
East Central											
Brookings	62	5	87	37	0.04	20.49	15.33	-1.81	-1.90	2,606	259
Forestburg	69	7	90	40	0.35	26.80	20.80	5.04	5.04	3,043	182
Madison	66	8	89	37	0.00	24.73	19.05	0.12	1.03	2,743	378
Mitchell	70	10	93	41	0.00	22.29	15.44	-0.10	-0.88	3,030	268
Sioux Falls	68	9	90	43	0.35	27.58	17.58	3.44	0.08	2,984	342
Southwest											
Custer	59	5	82	38	0.16	20.17	17.07	0.33	1.98	2,113	273
Hot Springs	69	11	92	41	0.00	13.37	10.73	-3.66	-2.43	2,898	340
Oelrichs	62	2	95	41	0.03	12.75	10.74	-4.20	-1.95	2,885	248
Porcupine	66	7	93	39	0.10	16.12	13.04	-1.05	0.15	2,869	281
South Central											
Kennebec	69	7	95	38	0.00	18.86	12.60	0.50	-1.34	3,265	287
Mission	64	4	93	39	0.03	21.48	15.33	1.83	0.38	2,926	328
Murdo	66	5	93	43	0.00	18.26	13.55	-1.18	-0.34	2,962	243
Winner	71	7	96	42	0.06	24.91	17.26	1.68	0.33	3,139	111
Southeast											
Armour	70	7	92	42	0.00	31.12	23.19	7.89	6.45	3,155	134
Centerville	68	7	91	42	0.38	21.02	14.58	-3.30	-3.44	3,042	266
Pickstown	65	3	91	42	0.06	21.65	14.32	-1.23	-2.71	3,074	187
Vermillion	70	7	89	43	0.64	22.73	14.42	-2.11	-3.80	3,275	147
Yankton	65	4	91	40	0.42	24.46	14.97	-0.16	-3.31	3,078	229

DATA AND MAP SOURCE: State Climate Office of South Dakota