

South Dakota Weekly Crop Weather Report

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For Week Ending September 30, 2007
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Cooperating with:
SOUTH DAKOTA STATE UNIVERSITY
AGRICULTURAL EXTENSION SERVICE and
U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

The week started out dry with 5.9 days suitable for field work, allowing some harvest of row crops. 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

The last week of September continued the trend for the month being above average in temperature again by 2 to 7 °F except for a few locations in the western part of the state. Overall the month ranged from 1 to 5° F above average.

Many storms on Saturday and Sunday produced severe weather events. Hail reports up to an inch in diameter and a few wind gusts to 60 mph were reported over parts of southeast and east central South Dakota. Reports of damage included downed tree limbs. No specific crop damage was reported in the storm reports.

The other results of these storms were many rainfalls of over an inch mainly in the southeast parts of the state. With the dryness during the mid-summer across most of the row crop areas, this shouldn't be a large issue. But continued rainfall could impact harvest through wetter soils. Additional rainfalls will likely occur during the week. Generally, these rains should only slow the progress of harvest as most soils should have sufficient capacity to keep from becoming too moist. Most of the western part of the state received little or light rainfalls only through the week. The exception was one early week storm that did catch a narrow SW-NE swath which included Murdo with over an inch.

SOIL CONDITION

Rainfall this week should benefit the soils with winter wheat emerging. Statewide, soil moisture ratings held nearly level. Topsoil moisture was rated at 74 percent adequate to surplus, up from 73 percent last week. Subsoil moisture was rated at 64 percent adequate to surplus, down from 65 percent last week.

FIELD CROPS REPORT

Dry conditions in the early part of the week allowed for some harvest progress. Late week showers slowed harvest for a few days. Corn harvest advanced to 13 percent complete, ahead of last year and the five year average, both at 9 percent. Soybeans now have 69 percent of the crop rated mature, slightly ahead of last year's 64 percent and the five-year average of 68 percent. Sorghum harvested for grain advanced quickly to 23 percent, ahead of both last year's 7 percent and the normal at 14 percent. Sunflower maturity is now rated at 44 percent, passing by last year's 39 percent and the normal at 43 percent. Seventy-eight percent of winter wheat has been planted, followed closely by winter wheat emergence, rated at 39 percent, ahead of both last year's 37 percent and the five-year average of 29 percent.

LIVESTOCK, PASTURE, AND RANGE REPORT

Third cutting alfalfa, as well as corn and sorghum silage harvest, are approaching completion, rated at 90, 91, and 88 percent, respectively; all three slightly ahead of their five-year averages. Cattle condition was rated at 87 percent good to excellent, while sheep condition was rated 90 percent. Both range and pasture condition, as well as alfalfa condition, are better than normal for this time of year. Range and pasture condition is rated at 54 percent good to excellent, compared to the five-year average of 27 percent. Alfalfa condition is rated at 64 percent good to excellent, compared to the five-year average of 33 percent.

Feed and Water Supplies Comparison as of September 30, 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	15	12	10	26	25
Short	9	24	24	18	26	26
Adequate	81	60	60	64	46	47
Surplus	9	1	4	8	2	2

Soil Moisture Condition Comparison as of September 30, 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	7	7	13	13	19
Short	20	20	14	23	22	29
Adequate	70	70	75	61	63	49
Surplus	4	3	4	3	2	3

Crop and Livestock Conditions as of September 30, 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	7	21	53	17
Soybeans	1	3	20	56	20
Sorghum	4	8	34	48	6
Sunflower	3	6	32	49	10
Alfalfa	1	6	29	55	9
Cattle	0	1	12	70	17
Sheep	0	1	9	72	18
Range & Pasture	2	10	34	48	6

Crop Progress as of September 30, 2007 ¹

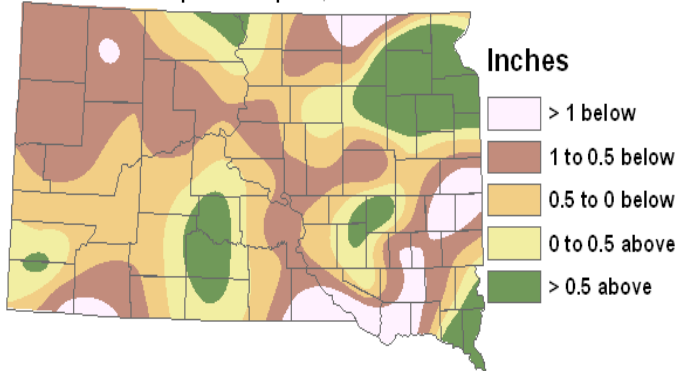
Item	This Week	Last Week	Last Year	5-Yr Avg.
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Winter Wheat				
Seeded	78	60	76	71
Emerged	39	19	37	29
Corn				
Mature	82	67	79	74
Grain Harvested	13	7	9	9
Silage Harvested	91	76	95	88
Soybeans				
Dropping Leaves	93	81	96	96
Mature	69	34	64	68
Harvested	13	1	7	19
Sorghum				
Mature	87	74	71	65
Grain Harvested	23	8	7	14
Silage Harvested	88	68	95	83
Sunflower				
Bracts Yellow	95	90	93	88
Mature	44	20	39	43
Harvested	2	0	5	9
Alfalfa				
3rd Cutting	90	88	86	86

¹ Percents represent all acreage in or beyond each stage.

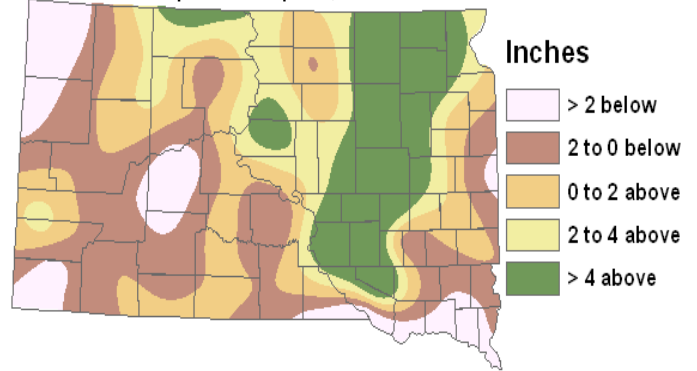
Average Soil Temperatures Week Ending September 30, 2007 (4-inch Depth)

Location	Temp	Location	Temp
Beresford	60	Nisland	63
Brookings	59	Oacoma	67
Caputa	56	Pierre	68
Cottonwood	61	Redfield	59
Gettysburg	NA	South Shore	59

Accumulated Precip Departure from Normal
for Sep 1 to Sep 30, 2007



Accumulated Precip Departure from Normal
for Apr 1 to Sep 30, 2007



TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS
Week Ending Sunday, September 30, 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	59	3	89	36	0.00	15.97	13.11	-1.29	0.52	2,730	125
Buffalo	56	3	87	33	0.00	11.23	9.13	-5.43	-3.61	2,619	430
Dupree	60	4	92	38	0.16	17.82	14.59	-0.02	1.21	2,936	308
McIntosh	57	1	92	34	0.00	20.68	17.31	4.24	4.79	2,614	8
Newell	61	5	85	33	0.00	13.45	10.13	-2.03	-1.26	2,798	184
Timber Lake	62	6	92	37	0.51	17.52	13.03	-1.08	-0.61	2,822	228
North Central											
Aberdeen	59	4	85	35	0.35	26.89	22.63	6.67	7.47	2,750	151
Faulkton	60	3	90	36	0.52	20.97	16.05	0.66	1.20	2,733	77
Mobridge	58	2	87	36	0.02	19.26	15.55	2.32	2.86	2,914	236
Roscoe	61	7	92	43	0.54	19.20	15.27	-1.06	-0.04	2,599	184
Northeast											
Britton	58	2	82	35	0.15	25.56	21.24	4.88	5.52	2,883	288
Clear Lake	59	4	79	40	0.94	24.29	18.00	-1.48	-0.66	2,632	257
Sisseton	59	4	82	36	0.43	27.13	20.44	5.05	4.67	2,756	198
Watertown	58	4	81	37	1.13	23.18	17.87	1.24	1.50	2,762	460
Webster	59	5	81	43	0.60	30.57	23.84	8.51	7.22	2,657	235
West Central											
Faith	59	1	91	40	0.02	18.83	15.20	1.18	2.26	2,861	98
Milesville	62	4	92	41	0.72	15.98	11.88	-3.65	-2.80	3,053	234
Philip	61	4	91	37	0.02	13.96	10.05	-3.14	-2.83	3,158	343
Rapid City	59	3	90	38	0.01	14.40	12.18	-2.24	-0.21	2,857	348
Spearfish	59	4	83	38	0.00	17.79	13.83	-3.87	-1.37	2,910	431
Central											
Chamberlain	63	5	90	40	0.24	28.21	21.83	5.86	5.23	3,132	334
Highmore	61	4	90	44	0.50	23.33	19.18	2.10	3.19	2,830	144
Huron	61	4	88	39	0.35	28.53	23.28	7.63	7.98	3,023	283
Onida	61	4	90	40	0.55	24.60	19.26	4.76	5.00	2,914	228
Pierre	61	2	92	42	0.18	19.57	15.42	-0.31	0.61	3,016	98
East Central											
Brookings	59	4	87	32	0.93	21.42	16.26	-1.39	-1.48	2,696	287
Forestburg	64	6	87	37	1.48	28.28	22.28	6.10	6.10	3,155	214
Madison	61	6	88	31	0.84	25.57	19.89	0.42	1.33	2,840	411
Mitchell	62	5	86	39	1.07	23.36	16.51	0.50	-0.28	3,130	293
Sioux Falls	61	5	81	36	0.65	28.23	18.23	3.54	0.18	3,079	367
Southwest											
Custer	51	-1	75	31	0.67	20.84	17.74	0.65	2.30	2,157	258
Hot Springs	58	2	84	36	0.26	13.63	10.99	-3.70	-2.47	2,984	344
Oelrichs	60	3	90	35	0.25	13.00	10.99	-4.25	-2.00	2,980	260
Porcupine	61	5	89	37	0.14	16.26	13.18	-1.26	-0.06	2,965	294
South Central											
Kennebec	66	6	92	42	0.27	19.13	12.87	0.42	-1.42	3,380	313
Mission	61	4	92	44	0.39	21.87	15.72	1.80	0.35	3,011	337
Murdo	63	4	95	45	1.26	19.52	14.81	-0.25	0.59	3,050	254
Winner	62	1	86	42	0.43	25.34	17.69	1.62	0.27	3,233	116
Southeast											
Armour	65	4	87	40	1.57	32.69	24.76	8.97	7.53	3,267	161
Centerville	62	4	83	39	1.44	22.46	16.02	-2.35	-2.49	3,140	290
Pickstown	66	7	92	43	0.12	21.77	14.44	-1.60	-3.08	3,190	224
Vermillion	65	4	88	40	1.74	24.47	16.16	-0.89	-2.58	3,392	174
Yankton	63	4	90	36	0.64	25.10	15.61	0.01	-3.14	3,190	261

DATA AND MAP SOURCE: State Climate Office of South Dakota