

# SOUTH DAKOTA WEEKLY CROP-WEATHER REPORT


 SOUTH DAKOTA  
FIELD OFFICE  
NATIONAL AGRICULTURAL  
STATISTICS SERVICE  
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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 July 23, 2006  
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**AGRICULTURAL SUMMARY:** Temperatures were mostly above normal across the state last week. Precipitation amounts were greatest in northeastern areas. Hot, dry weather caused further depletion of soil moisture levels. Row crop development advanced ahead of normal while the small grain harvest continued. Major farm activities included haying, cultivating, irrigating, moving hay, combining, maintaining machinery, and tending to livestock. Statewide, there were 6.7 days suitable for fieldwork.

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

**WEATHER INFORMATION:** Temperatures last week ranged from 2 degrees below normal to 6 degrees above normal. Last week's high temperature was 113, reported in Mobridge. The low temperature was 46 degrees, reported in Brookings. Sisseton received the most precipitation, at 0.79 inch.

**SOIL CONDITION:** A week of mostly hot, dry weather caused topsoil and subsoil moisture levels to decrease. Topsoil moisture levels fell 7 percentage points last week to 8 percent adequate to surplus. Subsoil moisture fell to 19 percent adequate to surplus, compared to 24 percent the previous week.

**FIELD CROPS REPORT:** Hot, dry conditions last week caused row crops to continue to decline. Corn tasseling advanced to 78 percent, while 42 percent has silked, and dough is at 3 percent; compared to the five-year averages of 49 percent tasseling, 23 percent silked, and none in dough. Soybeans blooming increased to 79 percent, while setting pods advanced to 17 percent, compared to last year's 70 percent blooming and 11 percent setting pods. Sorghum headed is at 37 percent, an increase of 22 percentage points from last week. Sorghum turning color is reported at 8 percent, compared to the five-year average of 4 percent. Winter wheat advanced to 91 percent harvested, ahead of the five-year average of 54 percent. Small grain harvest is well underway and ahead of both last year and the five-year averages.

**LIVESTOCK, PASTURE, AND RANGE REPORT:** Cattle and sheep remain in mostly good to excellent condition. Range and pastures conditions continue to deteriorate. Stock water supplies continue to fall, with 38 percent in adequate to surplus supply. Second cutting of alfalfa hay advanced to 72 percent cut, with the third cutting of alfalfa hay at 7 percent cut.

## FEED AND WATER SUPPLIES COMPARISON AS OF JULY 23, 2006

RATING	FEED SUPPLIES			STOCK WATER SUPPLIES		
	This Year	Last Year	5-Yr. Ave.	This Year	Last Year	5-Yr. Ave.
			Percent			
Very Short	17	2	11	29	10	18
Short	41	7	17	33	15	20
Adeq.	40	82	67	38	69	57
Surplus	2	9	5	0	6	5

## SOIL MOISTURE CONDITION COMPARISON AS OF JULY 23, 2006

RATING	TOPSOIL			SUBSOIL		
	This Week	Last Week	Last Year	This Week	Last Week	Last Year
	Percent					
Very Short	50	43	14	45	41	9
Short	42	42	39	36	35	29
Adeq.	8	15	44	19	24	59
Surplus	0	0	3	0	0	3

## CROP AND LIVESTOCK CONDITIONS AS OF JULY 23, 2006

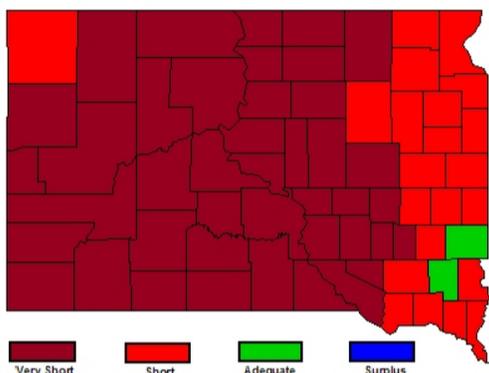
ITEM	V POOR	POOR	FAIR	GOOD	EXCEL
	Percent				
Spring Wheat	28	27	27	17	1
Barley	27	36	19	17	1
Oats	27	31	23	18	1
Corn	13	21	32	30	4
Soybeans	8	17	35	34	6
Sorghum	13	26	52	7	2
Sunflower	21	29	41	9	0
Alfalfa	25	30	31	12	2
Cattle	0	4	27	56	13
Sheep	0	1	18	62	19
Range & Pasture	29	34	24	12	1

## CROP PROGRESS AS OF JULY 23, 2006 1/

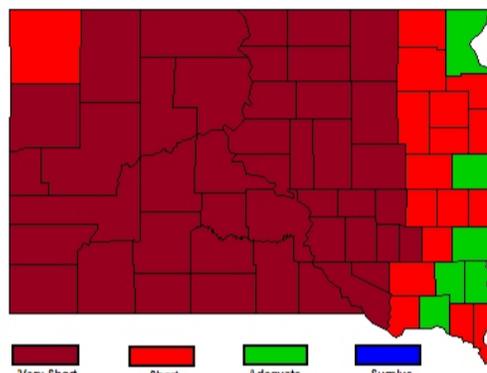
ITEM	This Week	Last Week	Last Year	5-Yr. Ave
	Percent			
<b>Barley</b>				
turning color	95	89	77	78
ripe	48	31	24	30
harvested	13	5	9	8
<b>Spring wheat</b>				
turning color	100	93	90	87
ripe	68	40	47	36
harvested	33	11	15	11
<b>Oats</b>				
turning color	96	86	86	86
ripe	69	43	50	46
harvested	45	18	24	21
<b>Corn</b>				
2 <sup>nd</sup> cult./sprayed	95	92	94	93
tasseling	78	39	66	49
silked	42	12	33	23
dough	3	0	0	0
<b>Sorghum</b>				
headed	37	15	8	20
coloring	8	0	0	4
<b>Soybeans</b>				
blooming	79	65	70	65
setting pods	17	5	11	14
<b>Sunflower</b>				
blooming	13	3	7	7
<b>Winter wheat</b>				
harvested	91	75	73	54
<b>Alfalfa</b>				
2 <sup>nd</sup> cutting	72	61	53	56
3 <sup>rd</sup> cutting	7	NA	2	2
<b>Other hay</b>				
cut	87	80	81	77

1/ Percents represent all acreage in or beyond each stage.

**TOPSOIL MOISTURE**  
As of Sunday, July 23, 2006



**SUBSOIL MOISTURE**  
As of Sunday, July 23, 2006



**TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAYS**

WEEK ENDING SUNDAY, July 23, 2006

Dist.	Station	Temperature Past Week				Precipitation					Growing Degree Days	
		Average	Departure from Normal	High	Low	Total			Departure from Normal		Accum. Total	Departure from Normal
						Current Week	Since Jan. 1	Since Apr. 1	Since Jan. 1	Since Apr. 1		
		----- Degrees -----				----- Inches -----						
NW	Bison	77	5	103	56	0.10	5.29	3.08	-6.34	-6.59	1634	428
	Buffalo	76	5	102	56	0.06	5.95	5.39	-3.43	-2.81	1465	323
	Dupree	79	5	105	54	0.29	5.86	4.05	-5.56	-5.68	1742	403
	McIntosh	79	6	103	57	0.16	4.57	3.51	-6.25	-5.84	1717	465
	Newell	77	4	104	55	0.00	8.81	7.37	-1.35	-1.29	1536	339
	Timber Lake	78	5	103	57	0.47	4.48	3.25	-7.21	-6.48	1659	366
NC	Aberdeen	74	2	104	49	0.36	9.49	8.45	-2.31	-1.17	1501	184
	Eureka	76	4	101	56	0.64	6.16	5.53	-4.63	-3.68	1688	478
	Faulkton	77	4	106	57	0.72	5.48	4.09	-6.36	-5.65	1641	353
	Mobridge	79	5	113	56	0.30	2.82	2.29	-8.38	-7.01	1818	489
	Roscoe	75	3	106	56	0.59	6.70	5.96	-5.73	-4.55	1452	168
NE	Britton	75	3	93	60	0.72	9.31	7.60	-2.53	-2.53	1669	325
	Clear Lake	72	-2	97	51	0.54	11.20	9.07	-3.28	-2.50	1379	64
	Sisseton	73	-1	102	52	0.79	9.66	8.09	-3.05	-2.19	1512	123
	Webster	74	2	93	57	0.37	11.71	10.24	-1.00	-0.18	1461	161
	Watertown	74	2	99	51	0.39	7.92	6.70	-5.68	-4.37	1463	157
WC	Faith	78	4	108	58	0.29	4.71	3.26	-6.87	-6.51	1712	384
	Milesville	79	4	108	57	0.10	6.13	4.48	-5.74	-5.47	1816	386
	Long Valley	80	5	106	56	0.11	7.23	5.44	-4.98	-4.90	1818	412
	Philip	80	4	111	56	0.05	6.16	4.10	-4.78	-5.20	1821	354
	Rapid City	78	6	107	58	0.16	6.95	5.41	-4.19	-3.79	1688	511
	Spearfish	78	6	102	53	0.22	10.74	8.61	-4.23	-3.57	1618	497
C	Chamberlain	79	3	112	57	0.04	6.83	4.31	-4.73	-5.48	1782	204
	Highmore	79	4	104	57	0.11	8.05	6.73	-4.53	-3.78	1823	414
	Huron	76	2	102	53	0.15	6.10	5.27	-7.03	-5.11	1647	233
	Onida	76	1	103	55	0.14	6.01	4.09	-5.99	-5.58	1750	293
	Pierre	80	4	110	57	0.17	4.88	3.42	-7.70	-7.12	1885	398
EC	Brookings	70	-2	91	46	0.03	9.11	7.09	-4.79	-4.83	1369	175
	Madison	74	2	99	48	0.00	8.30	6.50	-6.11	-4.80	1490	184
	Mitchell	75	-2	101	53	0.13	10.89	8.44	-2.97	-2.79	1571	22
	Sioux Falls	76	1	98	50	0.01	14.57	11.05	0.79	0.06	1636	193
SW	Custer	70	4	97	48	0.39	11.99	9.38	-0.59	-1.32	960	213
	Hot Springs	78	5	105	54	0.01	8.82	5.27	-1.97	-4.03	1632	301
	Oelrichs	79	4	108	52	0.14	11.68	9.05	0.19	-0.52	1618	240
	Porcupine	78	3	106	52	0.18	10.95	7.86	-0.05	-1.66	1607	261
SC	Murdo	79	4	110	60	0.18	7.11	4.15	-5.23	-5.93	1852	452
	Winner	78	0	98	58	0.17	8.67	5.79	-6.90	-6.95	1978	307
SE	Armour	79	3	105	54	0.00	8.83	6.90	-5.90	-4.95	1869	260
	Centerville	75	1	101	51	0.00	11.12	8.72	-4.17	-3.79	1657	169
	Marion	74	-1	98	52	0.04	12.27	9.23	-2.41	-2.46	1564	117
	Pickstown	77	1	106	55	0.07	12.05	8.90	-1.89	-2.55	1744	194
	Vermillion	80	4	105	53	0.00	11.84	8.74	-3.18	-3.65	1969	250
	Yankton	75	-1	99	54	0.02	15.31	10.61	0.68	-1.51	1743	192

SOURCE: National Weather Service, provided by AWIS, Inc.