

NEBRASKA WEATHER & CROPS



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AGRICULTURAL
STATISTICS
SERVICE

For Week Ending August 8, 1999

Issue: 22-99

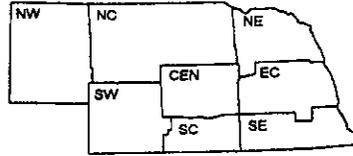
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P O Box 81069
Lincoln, NE 68501

Phone (402) 437-5541
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Internet <http://www.agr.state.ne.us/agstats/index.htm>
e-mail nass-ne@nass.usda.gov

National Agricultural Statistics Service
U S Department of Agriculture
and U S Department of Commerce
National Oceanic and Atmospheric Admn
National Weather Service



Nebraska Department of Agriculture
Division of Agr'l Statistics
Cooperative Extension Service
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WEATHER

Temperatures for the week averaged six to eight degrees below normals for Nebraska. Precipitation across the State averaged from thirty-eight hundredths of an inch in the Northwest to over seven inches in extreme eastern counties. Flooding was noted along the Missouri River.

GENERAL

Cooler temperatures with scattered showers during the week brought relief to crops and livestock, according to the Nebraska Agricultural Statistics Service. Most producers were still pumping water onto corn and soybeans that were badly in need of moisture and dryland crops were showing signs of stress. Insect activity was low. However, Gray Leaf Spot was noted in some corn fields. The cool moist weather conditions caused additional concern about potential of severe infestation. Producers' activities included haying, moving grain to market, caring for livestock, tilling summer fallow, mowing and shredding roadsides, and soil preparation for fall seeded wheat.

CROPS

Corn conditions rated 1% very poor, 6% poor, 23% fair, 54% good, and 16% excellent. Dryland corn rated 63% and irrigated corn rated 75% in good and excellent conditions. Corn silked rated 98%, same as last year, but above 92% average. Corn reaching dough stage rated 35%, slightly below last year's 38%, but above 31% average. High temperatures were noted to have affected pollination and grain set in dryland corn. Some irrigated corn was being sprayed for Gray Leaf Spot. The flight of second generation corn borer moth was un-

CROPS (Cont.)

Soybean blooming was 96%, just below last year's 97%, but above 93% average. Soybean setting pods rated 51%, below last year's 65% and 56% average. Soybean conditions rated 1% very poor, 7% poor, 26% fair, 52% good, and 14% excellent.

Sorghum headed rated 52%, below last year's 75% and 56% average. Sorghum conditions also rated 2% very poor, 7% poor, 32% fair, 56% good, and 3% excellent. Green bugs were sighted in some fields.

Dry Bean blooming was at 95%, above last year's 87%, and 89% average. Dry bean setting pods rated 58%, above 19% last year and 56% average. Dry bean conditions rated 3% poor, 24% fair, 68% good, and 5% excellent.

Winter Wheat harvest rated 99% complete, just above last year's 97% and 98% average.

Oats harvested rated 92%, slightly below last year's 93%, but same as average.

Alfalfa conditions rated 1% very poor, 4% poor, 25% fair, 59% good, and 11% excellent. Alfalfa second cutting was 99% complete, just above last year's 96% and 95% average. Alfalfa third cutting was 17%, slightly above last year's 16%, but same as average.

Wild Hay conditions rated at 3% poor, 19% fair, 63% good, and 15% excellent.

LIVESTOCK, PASTURE & RANGE

Pasture and range conditions rated 2% very poor, 6% poor, 30% fair, 53% good, and 9% excellent. Pastures are in need of moisture. Livestock were doing better with last week's cloudy and cool temperatures. Cooler weather last week gave livestock a chance to recover from the previous week's severe and sometimes killer heat.

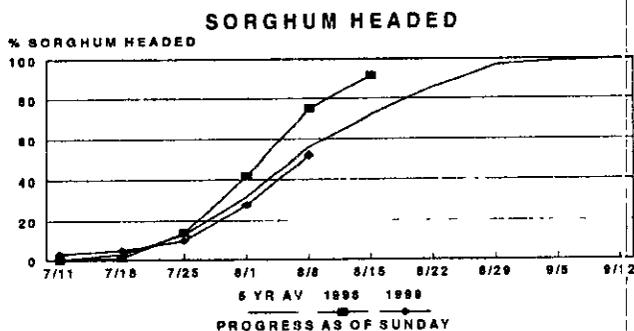
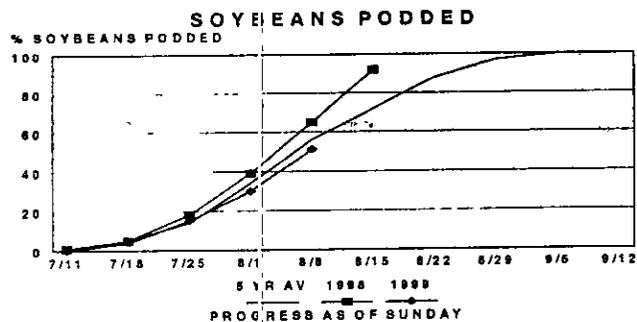
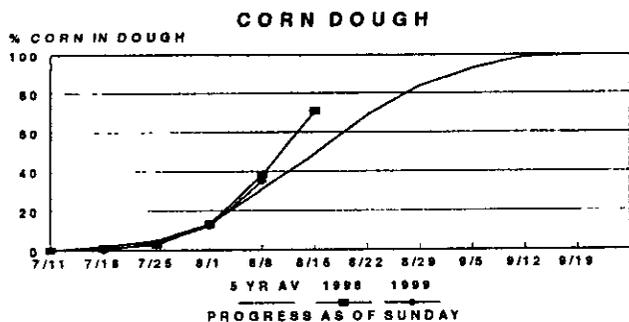
CROP PROGRESS AS OF AUGUST 8, 1999	AGRICULTURAL DISTRICTS				CROPS DISTRICTS				STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	CEN	EC	SW	SC	SE				
% Wheat Harvested	98	100	100	100	100	100	100	100	99	97	97	98
% Soybeans Blooming	n/a	97	97	84	96	87	91	98	96	84	97	93
% Soybeans Setting Pods	n/a	81	35	53	51	42	75	59	51	30	65	56
% Corn Silked	88	97	98	98	99	95	100	98	98	93	98	92
% Corn Dough	11	2	38	44	32	27	47	45	35	12	38	31
% Sorghum Headed	n/a	50	10	29	69	58	58	50	52	28	75	56
% Dry Beans Blooming	100	85	n/a	75	n/a	87	n/a	n/a	95	73	87	89
% Dry Beans Setting Pods	65	33	n/a	10	n/a	43	n/a	n/a	58	n/a	19	56
% Alfalfa Second Cutting	92	100	100	100	100	100	100	100	99	96	96	95
% Alfalfa Third Cutting	0	11	22	12	25	15	30	38	17	5	16	17
% Oats Harvested	73	68	100	92	94	100	100	100	92	86	93	92
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF AUGUST 6, 1999												
Days suitable	37	56	68	61	60	28	43	57	52	68	46	
Topsoil moisture - Very Short (Percent)	0	0	12	7	2	0	1	17	5	12	0	
- Short	16	7	34	44	43	12	24	39	28	44	13	
- Adequate	84	93	53	48	50	83	75	44	65	43	84	
- Surplus	0	0	1	1	5	5	0	0	2	1	3	
Subsoil moisture - Very Short (Percent)	0	0	6	4	1	1	1	8	3	8	1	
- Short	16	25	18	26	34	22	29	55	29	30	14	
- Adequate	84	75	73	70	62	77	70	37	67	62	83	
- Surplus	0	0	3	0	3	0	0	0	1	0	2	

n/a = not available

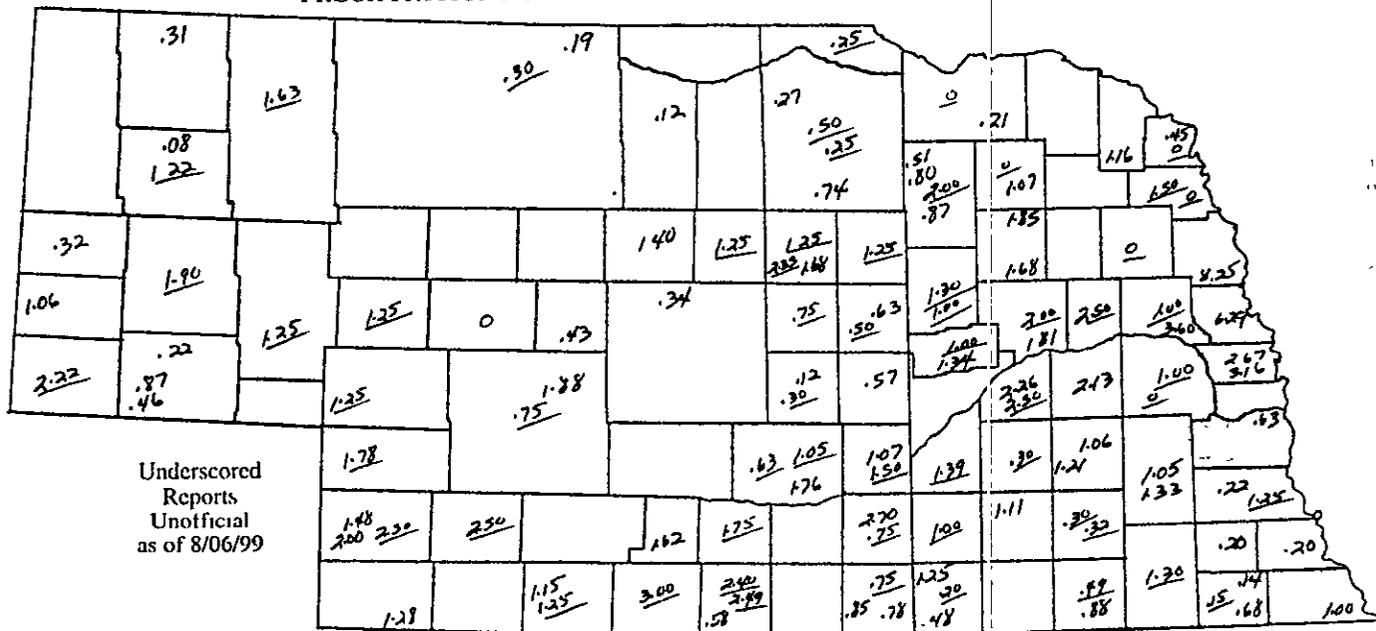
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PRECIPITATION MAP FOR WEEK ENDING SATURDAY, AUGUST 7, 1999



PRECIPITATION, APRIL 1 - AUGUST 7, 1999

	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week	38	60	1 69	75	2 29	1.56	1 31	62
Total since April 1	13 33	15.65	20 92	18 40	21 85	13 03	17 93	18 93
Normal since April 1	10 66	12 80	14 30	14 03	15 23	12.08	13 86	15 47
Total as % of normal	125%	122%	146%	131%	143%	108%	129%	122%

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA,
WEEK ENDING SATURDAY, AUGUST 7, 1999

Station	Temperature				Precipitation Total Inches	Growing Degree Data Since April 15		
	Extremes		Mean	Departure		Last Week	Current	Normal
	Max	Min						
NW	Chadron	90	50	69	---	---	---	---
	Scottsbluff	87	53	67	---	121	1670	1709
	Sidney	85	55	66	---	110	1574	1752
NC	Valentine	89	52	69	---	---	---	---
	Arthur	---	---	---	---	126	1662	1842
	O'Neill	---	---	---	---	131	1766	1967
NE	Norfolk	81	52	67	---	---	---	---
	Sioux City	83	51	69	---	---	---	---
	Concord	---	---	---	---	124	1851	2013
	Elgin	---	---	---	---	127	1784	2013
	West Point	---	---	---	---	125	1887	2125
CEN	Grand Island	84	56	69	---	---	---	---
	Ord	84	56	71	---	---	---	---
	Kearney	---	---	---	---	130	1896	2015
EC	Lincoln	87	55	71	---	---	---	---
	Omaha	83	54	69	---	---	---	---
	Central City	---	---	---	---	---	---	---
	Mead	---	---	---	---	126	1987	2197
SW	Imperial	87	54	68	---	---	---	---
	North Platte	84	57	68	---	---	---	---
	Curtis	---	---	---	---	---	---	---
SC	Holdrege	---	---	---	---	---	---	---
	Red Cloud	---	---	---	---	---	---	---
SE	Beatrice	---	---	---	---	---	---	---
	Clay Center	---	---	---	---	---	---	---

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is $\text{Max temp} + \text{min. temp.} \div 2 - 50 = \text{GDD}$. For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 15.

Growing Degree Day data is furnished by the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.