

NEBRASKA WEATHER & CROPS

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8-16-93*



For Week Ending August 15, 1993

Issue: 24-93

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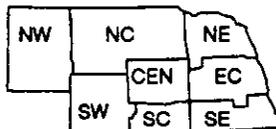
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National Oceanic and Atmospheric Admn
National Weather Service



Nebraska Department of Agriculture
Division of Agr'l. Statistics
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WEATHER

Temperatures for the week averaged two to four degrees above normals. Scattered precipitation occurred throughout the week with amounts varying from a tenth of an inch in the southwest up to nearly two inches in the central portion of the State.

GENERAL

Above normal temperatures and limited rainfall aided crop development and all fieldwork activities, according to the Nebraska Agricultural Statistics Service. These same weather conditions brought stress to some livestock and some dryland crops with shallow root systems. Irrigation systems were "started up" last week in many areas for the first time during this growing season, while some low areas still have water standing from the recent severe weather. Other producer activities included hay harvest, finishing small grain harvest, weed control, and field preparations for fall seeded crops.

CROPS

Winter wheat harvest progressed well last week as producers were nearing completion. Parts of some fields were being abandoned due to excess weed growth, "down wheat," and muddy or "standing water" conditions. Wheat delivered to elevators has varied from excellent quality to some poor enough to be rejected. Summer fallow operations were underway as well as some field preparations for fall seeding.

CROPS (Cont.)

Corn condition was rated at 85% good or excellent for dryland fields and 77% good or excellent for irrigated fields. Weather conditions last week improved overall conditions as well as kept crop development at a normal pace. Current development is about a week and a half behind normal.

Soybean condition was rated at 75% good or excellent. Chemical and mechanical weed control activities continued active. Improved growing conditions allowed the crop to "catch up" a little and was about one week behind normal as of Sunday.

Sorghum condition was rated at 20% poor, 32% fair, 45% good, and 3% excellent. The crop continued to develop at a rapid rate last week and at week's end 49% had headed out. This was about a week and a half behind normal. Weed control activities continued active.

Dry bean condition was rated at 8% poor, 26% fair and 66% good. As of Sunday, 91% had bloomed with 50% setting pods.

Alfalfa condition was rated at 75% good or excellent. Third cutting had begun across the State with 17% harvested by week's end. Wild hay condition was rated at 90% good or excellent. Haying was quite active.

LIVESTOCK

Pasture and range condition was rated at 102% of normal and compares with 99% of normal last year at this time. Pastures continued to provide excellent grazing for livestock, except where hail has damaged the browse. Higher temperatures last week did stress animals.

FIELD WORK PROGRESS AS OF AUGUST 15, 1993	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% wheat harvested	100	100	100	100	100	99	100	100	100	91	100	100
% oats harvested	72	94	100	100	100	95	100	95	97	83	100	100
% corn silked	73	93	92	93	93	99	100	100	94	84	99	99
% corn dough stage	8	21	20	15	25	40	40	52	28	13	39	60
% sorghum headed	13	36	34	29	54	48	61	46	49	18	67	76
% soybeans blooming	0	89	94	91	87	100	82	96	91	78	99	100
% soybeans setting pods	0	62	49	35	53	47	43	73	55	25	69	74
% dry beans blooming	89	91	55	92	0	100	100	0	91	84	n/a	n/a
% dry beans podded	46	68	47	12	0	61	31	0	50	41	n/a	n/a
% dry beans turning	0	0	0	0	0	0	17	0	0	0	n/a	n/a
% alfalfa third cutting	7	21	10	21	21	30	34	12	17	4	31	n/a
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF AUGUST 13, 1993												
Days suitable	5.7	6.6	6.1	6.4	6.3	5.1	6.4	6.1	6.2	5.5	4.8	
Topsoil moisture - Short	0	18	25	25	15	12	13	47	20	3	3	
(Percent) - Adequate	100	82	75	75	74	75	62	46	72	75	72	
- Surplus	0	0	0	0	11	13	25	7	8	22	25	
Subsoil moisture - Short	0	8	0	0	0	0	0	0	1	0	0	
(Percent) - Adequate	100	75	81	100	79	87	75	73	82	67	92	
- Surplus	0	17	19	0	21	13	25	27	17	33	8	

n/a - not available.

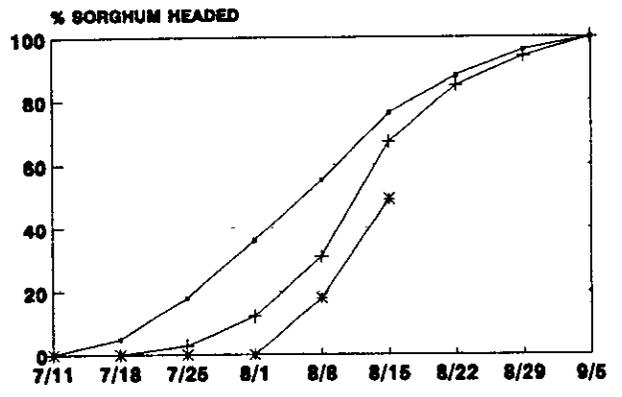
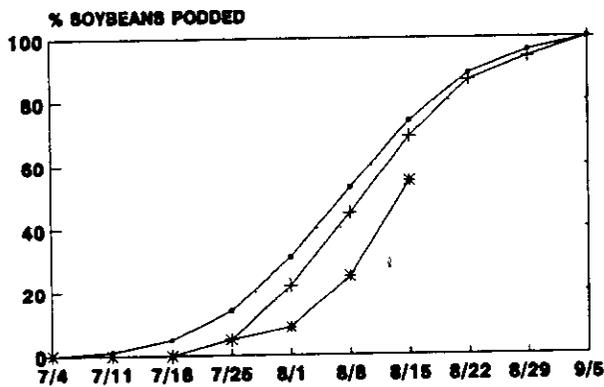
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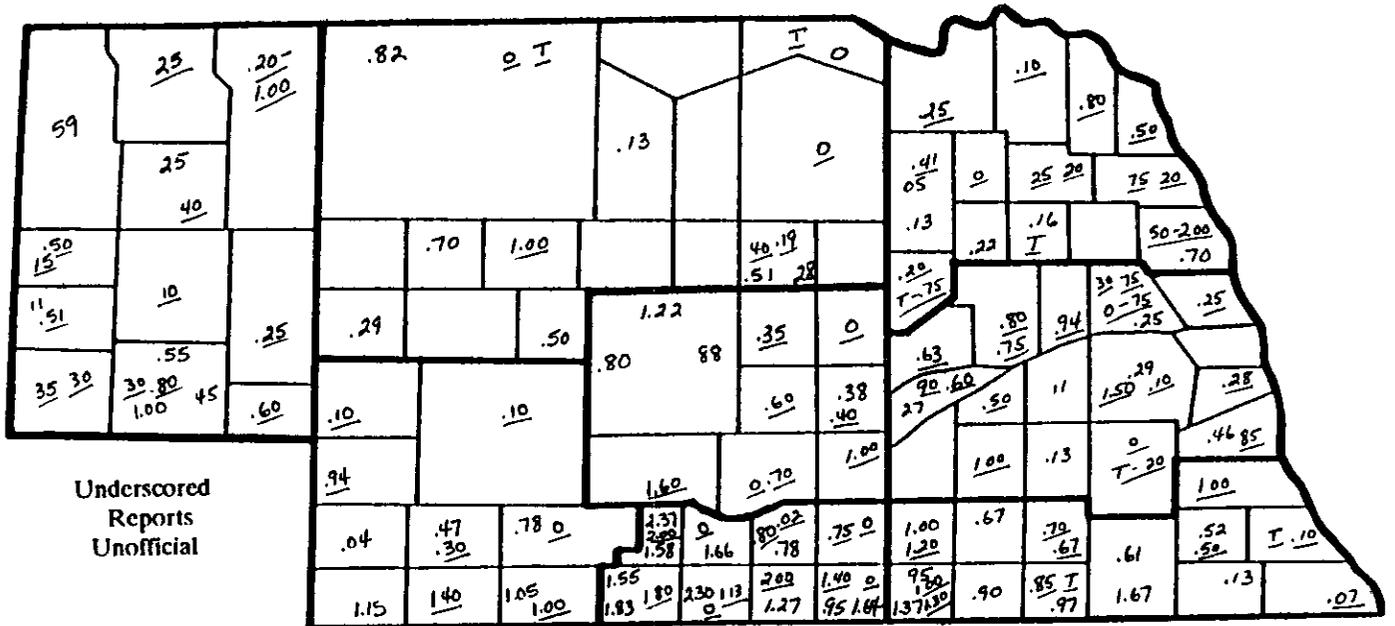
— 5 YR AV + 1992 * 1993

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PROGRESS AS OF SUNDAY

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PRECIPITATION MAP FOR WEEK ENDING FRIDAY, AUGUST 13, 1993



Underscored Reports Unofficial

PRECIPITATION, APRIL 1 - AUGUST 13, 1993

	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week	.49	.40	.25	.82	.25	.70	1.59	.88
Total since April 1	11.88	18.29	22.69	22.57	26.50	17.54	24.22	28.55
Normal since April 1	10.91	13.16	15.02	14.16	15.84	12.06	14.21	16.52
Total as % of normal	109%	139%	151%	159%	167%	145%	170%	173%

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA, WEEK ENDING SUNDAY, AUGUST 15, 1993

Station	Temperature				Precipitation Total Inches 1/	Growing Degree Data Since April 15		
	Extremes		Mean	Departure		Last Week	Current	Normal
	Max	Min						
NW Chadron	95	55	72	---	.64	---	---	---
Scottsbluff	91	56	71	+2	.45	1629	n/a	n/a
Sidney	---	---	---	---	---	1549	1695	1820
NC Valentine	94	54	75	+2	0	1615	n/a	n/a
NE Norfolk	95	65	78	+4	.33	---	---	---
Stoux City	92	62	77	+3	1.08	---	---	---
Concord	---	---	---	---	---	1684	1855	2162
Elgin	---	---	---	---	---	1648	1818	2108
West Point*	---	---	---	---	---	1808	1981	2221
CEN Grand Island	97	63	78	+3	1.98	1869	n/a	n/a
Ord	93	61	75	---	1.12	1699	1864	2122
EC Lincoln	96	65	80	+4	.08	1982	n/a	n/a
Omaha	93	69	79	+4	1.50	1946	n/a	n/a
Columbus	---	---	---	---	---	1960	n/a	n/a
York	---	---	---	---	---	1909	n/a	n/a
SW Imperial	93	59	75	---	.13	---	---	---
North Platte	94	58	75	+2	.05	**1603	**1758	**2043
SC Holdrege	---	---	---	---	---	1833	2012	2227
SE Beatrice	---	---	---	---	---	1975	2168	2305
Clay Center	---	---	---	---	---	1847	2031	2262

1/ Precipitation totals not included in map above. * Automated weather station. ** North Platte Experiment Station. n/a = not available.

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: Max. temp. + min. temp. divided by 2 minus 50 = 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.