

NEBRASKA WEATHER & CROPS

NEBRASKA
AGRICULTURAL
STATISTICS
SERVICE

For Week Ending July 31, 1994

Issue: 21-94

Phone: (402) 437-5541

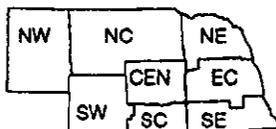
P.O. Box 81069

Released: 8/1/94 - 3:00 p.m.

Location: 273 Federal Bldg.

Lincoln, NE 68501

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 from two to nine degrees below normals. Precipitation varied from only trace amounts in the northwest and north central to 1.14 inches in the east central.

GENERAL

Cooler temperatures and reduced rainfall this past week slowed crop development to a near normal pace, according to the Nebraska Agricultural Statistics Service. Due to the reduced rainfall, dryland crops in some areas were suffering and irrigated crops were being watered. Irrigation systems were in operation across the State last week. Grasshopper activity continued in the southwest and northwest. Spraying for control continued actively. Other producer activities included moving farm-stored grain to market, weed control, and oat and hay harvest.

CROPS

The all corn condition was rated at 1% poor, 7% fair, 65% good, and 27% excellent. Irrigated corn condition was rated at 94% good or excellent with dryland corn rated at 90% good or excellent. Plant development slowed to a normal pace last week with silking at 98% complete, about two and a half weeks ahead of normal. Fields in or beyond the dough stage remained a little over one week ahead of normal.

Soybean condition was rated at 8% fair, 64% good, and 28% excellent. Plants were setting pods about a week

CROPS (Cont.)

and a half ahead of normal, a slightly slower pace than a week ago. Weed control continued active with producers walking fields, using a chemical wick bar, or cultivating where possible.

Sorghum condition was rated at 13% fair, 71% good, and 16% excellent. Heading at 73% was about two and a half weeks ahead of normal, continuing at a faster than normal pace. Weed control continued active.

Oat harvest progressed to 95% complete by week's end. This compared to 34% last year and 72% for the 5-year average. Baling of oat straw remained active.

Dry bean condition was rated at 27% fair, 61% good, and 12% excellent. Blooming was rated at 89% complete with 49% of the acreage setting pods to date.

Alfalfa condition was rated at 1% very poor, 1% poor, 16% fair, 75% good, and 7% excellent. Second cutting activities were nearly complete with third cutting activities well underway at 11% harvested. Wild hay condition was rated at 2% very poor, 8% poor, 39% fair, 46% good, and 5% excellent.

LIVESTOCK

Pasture and range condition was rated at 89% of normal and compares with 108% last year. Recent rains have promoted grass regrowth in some areas while areas without rains or sufficient rains continue to see deteriorating grazing potential. Additional rains would be welcomed in all areas.

FIELD WORK PROGRESS AS OF JULY 31, 1994	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% corn silked	85	96	97	100	100	99	100	100	98	95	56	77
% corn dough stage	10	21	22	29	31	40	33	30	28	14	4	11
% sorghum headed	0	70	47	61	77	69	68	75	73	35	2	22
% soybeans blooming	0	96	97	100	100	95	100	100	99	90	50	71
% soybeans setting pods	0	41	33	37	60	32	65	70	53	34	10	21
% alfalfa second cutting	93	97	100	100	98	100	99	100	98	90	62	83
% alfalfa third cutting	0	7	10	14	13	14	11	23	11	0	0	8
% oats harvested	46	87	100	100	100	99	100	100	95	82	34	72
% dry beans blooming	89	100	91	84	0	87	100	0	89	79	39	n/a
% dry beans podded	55	93	27	20	0	35	23	0	49	18	3	n/a
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF JULY 29, 1994												
Days suitable	6.5	6.0	6.2	4.8	5.5	5.3	4.1	6.7	5.7	5.0	3.3	
Topsoil moisture - Short	56	6	12	0	30	43	0	77	28	14	3	
(Percent) - Adequate	44	94	88	83	70	43	100	23	70	81	41	
- Surplus	0	0	0	17	0	14	0	0	2	5	56	
Subsoil moisture - Short	44	0	0	0	5	43	0	30	12	16	2	
(Percent) - Adequate	56	94	100	83	95	57	100	70	86	77	51	
- Surplus	0	6	0	17	0	0	0	0	2	7	47	

n/a = not available.

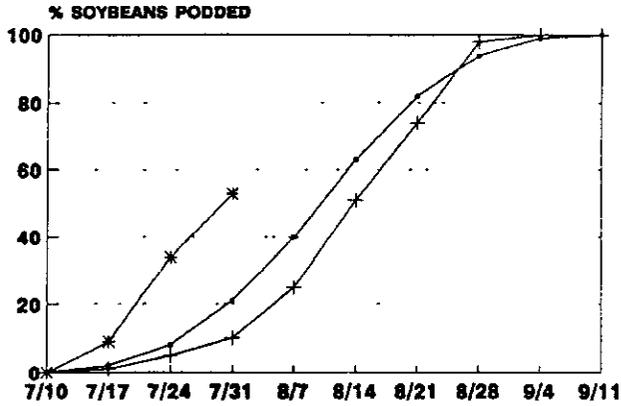
NEBRASKA WEATHER & CROPS (ISSN 0745-0117) is published weekly April-November and monthly December-March by the Nebraska Department of Agriculture, Nebraska Agricultural Statistics Service (NASS), 100 Centennial Mall North, Room 273 Federal Building, Lincoln, NE 68508. Subscription is free to survey respondents upon request to NASS, P O Box 81069, Lincoln, NE 68501, or by calling (402) 437-5541 and available for \$15.00 per year to non-reporters POSTMASTER. Send address changes to NEBRASKA WEATHER & CROPS, P.O. Box 81069, Lincoln, NE 68501.

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P.O. Box 81069
Lincoln, NE 68501

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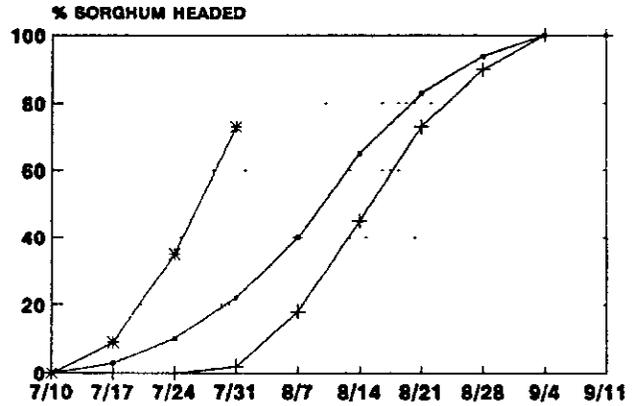
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SOYBEANS PODDED



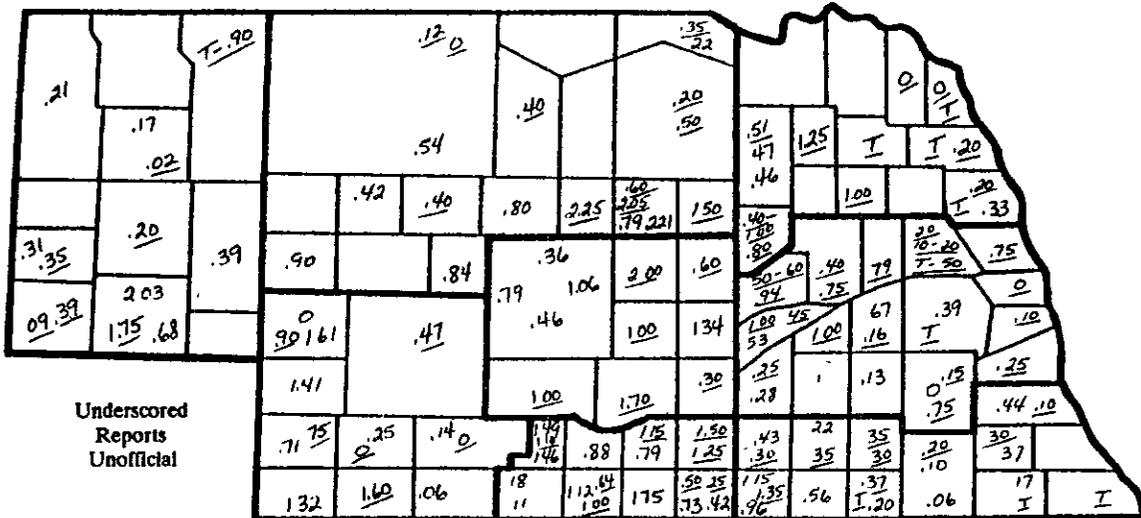
→ 5 YR AV + 1993 * 1994
PROGRESS AS OF SUNDAY

SORGHUM HEADED



→ 5 YR AV + 1993 * 1994
PROGRESS AS OF SUNDAY

PRECIPITATION MAP FOR WEEK ENDING FRIDAY, JULY 29, 1994



PRECIPITATION, APRIL 1 - JULY 29, 1994

	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week	.63	.84	.42	.80	.33	.69	.89	.42
Total since April 1	7.53	12.87	12.62	14.26	14.90	9.91	13.90	13.72
Normal since April 1	10.10	11.97	13.50	12.82	14.14	11.02	12.82	14.70
Total as % of normal	75%	108%	93%	111%	105%	90%	108%	93%

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA, WEEK ENDING SUNDAY, JULY 31, 1994

Station	Temperature				Precipitation Total Inches 1/	Growing Degree Data Since April 15		
	Extremes		Mean	Departure		Last Week	Current	Normal
	Max	Min						
NW Chadron	97	41	73	---	0	---	---	---
Scottsbluff	96	50	72	-3	.07	1641	1780	1644
Sidney	91	52	70	---	.01	1557	1697	1508
NC Valentine	99	45	69	-6	0	---	---	---
Arthur	---	---	---	---	---	1561	1685	1534
O'Neill	---	---	---	---	---	1617	1741	1741
NE Norfolk	93	51	70	-2	.38	---	---	---
Sioux City	91	50	69	-7	T	---	---	---
Concord	---	---	---	---	---	1678	1797	1819
Elgin	---	---	---	---	---	1677	1801	1758
West Point	---	---	---	---	---	1794	1917	1862
CEN Grand Island	93	50	70	-7	.06	---	---	---
Ord	94	46	69	---	0	1734	1862	1780
Wood River	---	---	---	---	---	1786	1920	1931
EC Lincoln	91	47	69	-9	.31	1936	2084	2003
Omaha	92	52	70	-7	1.14	---	---	---
Central City	---	---	---	---	---	1809	1940	1950
Mead	---	---	---	---	---	1817	1943	1943
Rising City	---	---	---	---	---	1790	1919	1910
SW Imperial	90	51	70	---	.55	---	---	---
North Platte	91	47	69	-6	.01	1669	1799	1703
McCook	---	---	---	---	---	1847	1987	1885
SC Holdrege	---	---	---	---	---	1803	1937	1871
Red Cloud	---	---	---	---	---	1856	1991	1923
SE Beatrice	---	---	---	---	---	1862	2001	1936
Clay Center	---	---	---	---	---	1816	1946	1896

1/ Precipitation totals not included in map above.

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.