

NEBRASKA WEATHER & CROPS



For Week Ending June 27, 1993

Issue: 17-93

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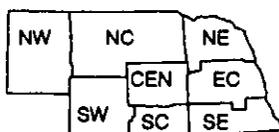
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National Agricultural Statistics Service
U.S. Department of Agriculture
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National Oceanic and Atmospheric Admin
National Weather Service



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

CROPS (Cont.)

Temperatures for the week averaged from one to four degrees below normals. Precipitation occurred throughout the week with amounts ranging from .78 inch at Valentine up to 2.50 inches at Ord.

Corn condition was rated at 2% poor, 21% fair, 71% good, and 6% excellent. Cultivation and chemical weed control continued where surface conditions permitted. Reports indicate that the corn has been "growing out" of its previous yellow appearance, but remains behind normal in overall growth. Good growing weather continues to be needed.

GENERAL

Fieldwork activities this past week once again met with weather delays, according to the Nebraska Agricultural Statistics Service. Severe weather last week in the form of high winds, excessive rainfall, and hail brought some damage to buildings and crops. Locally, damage ranged from light to heavy. Water erosion in a few areas may require replantings. Many low-lying fields still have water standing and some may not be planted this year. Sunshine this past week has helped grass growth and crop color, but additional sunny, warmer days are needed for proper plant growth and development. Producer activities included weed control, haying, and some planting.

Soybean condition was rated at 5% poor, 16% fair, 76% good, and 3% excellent. Producers attempted to finish up planting last week, but delays still occurred on wet lowland areas.

Sorghum condition was rated at 4% poor, 20% fair, 73% good, and 3% excellent. Some yellowing was occurring due to excessive moisture.

Dry bean planting was virtually completed last week with 96% emerged. Severe weather damaged the crop locally and some acres may have to be replanted.

Alfalfa condition was rated at 6% fair, 70% good, and 24% excellent. First cutting activities are nearing completion with second cutting beginning. Wild hay condition was rated at 3% fair, 61% good, and 36% excellent.

CROPS

Winter wheat condition was rated at 26% fair, 72% good, and 2% excellent. The crop was coloring about a week behind normal with 68% turned color by week's end. The crop was also beginning to ripen and was about ten days behind normal. Harvest is expected to start during the first few days of July in south central areas with most areas getting a start by July 10. Wet weather-related disease problems continue to affect many southern fields.

LIVESTOCK

Pasture and range condition was rated at 104% of normal and compares with 87% of normal last year at this time. Pastures are providing excellent grazing in most areas. Cattle are doing well with improved calf health.

FIELD WORK PROGRESS AS OF JUNE 27, 1993	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% wheat turning	57	62	43	62	59	73	94	67	68	27	88	86
% wheat ripe	2	0	1	0	1	0	8	4	2	0	13	28
% sorghum emerged	98	100	98	100	94	100	97	97	97	83	100	99
% soybeans emerged	0	100	94	100	91	100	99	98	94	83	100	99
% dry beans planted	100	100	95	100	0	100	100	0	100	91	n/a	n/a
% dry beans emerged	95	96	40	100	0	100	100	0	96	63	n/a	n/a
% alfalfa first cutting	85	93	92	99	93	100	100	99	94	80	100	97
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF JUNE 25, 1993												
Days suitable	4.8	4.2	3.2	2.3	2.6	3.8	3.1	1.8	3.1	4.1	5.8	
Topsoil moisture - Short	15	0	0	0	0	0	0	0	2	4	19	
(Percent) - Adequate	69	69	42	43	24	44	71	37	47	61	80	
- Surplus	16	31	58	57	76	56	29	63	51	35	1	
Subsoil moisture - Short	0	0	0	0	0	0	0	0	0	3	17	
(Percent) - Adequate	100	87	58	86	48	89	79	56	70	74	83	
- Surplus	0	13	42	14	52	11	21	44	30	23	0	

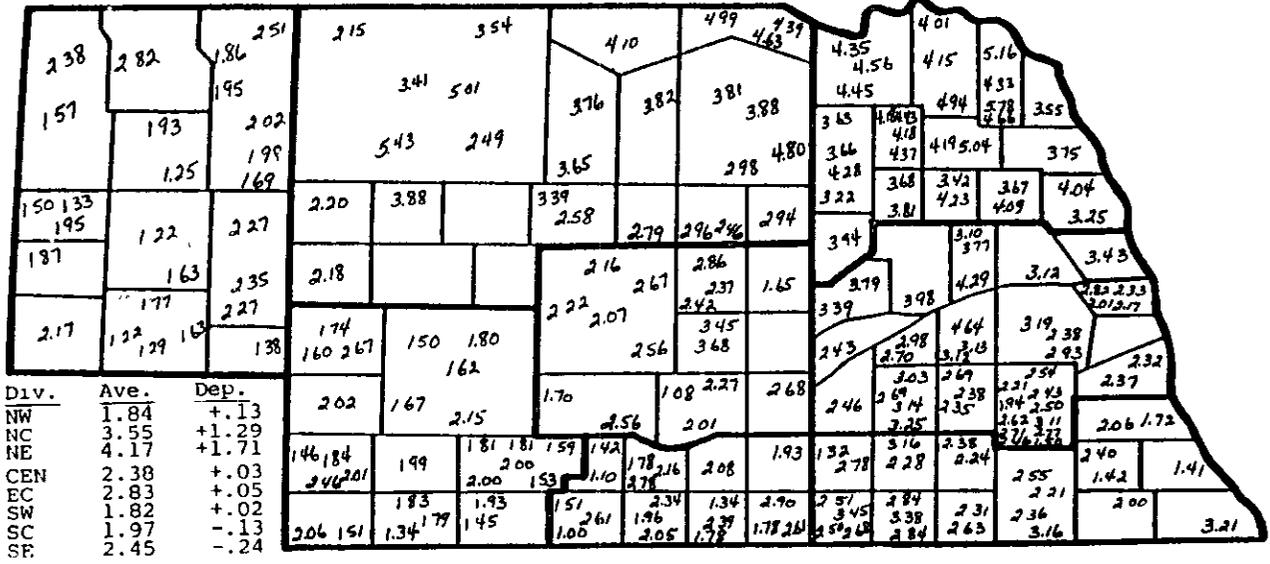
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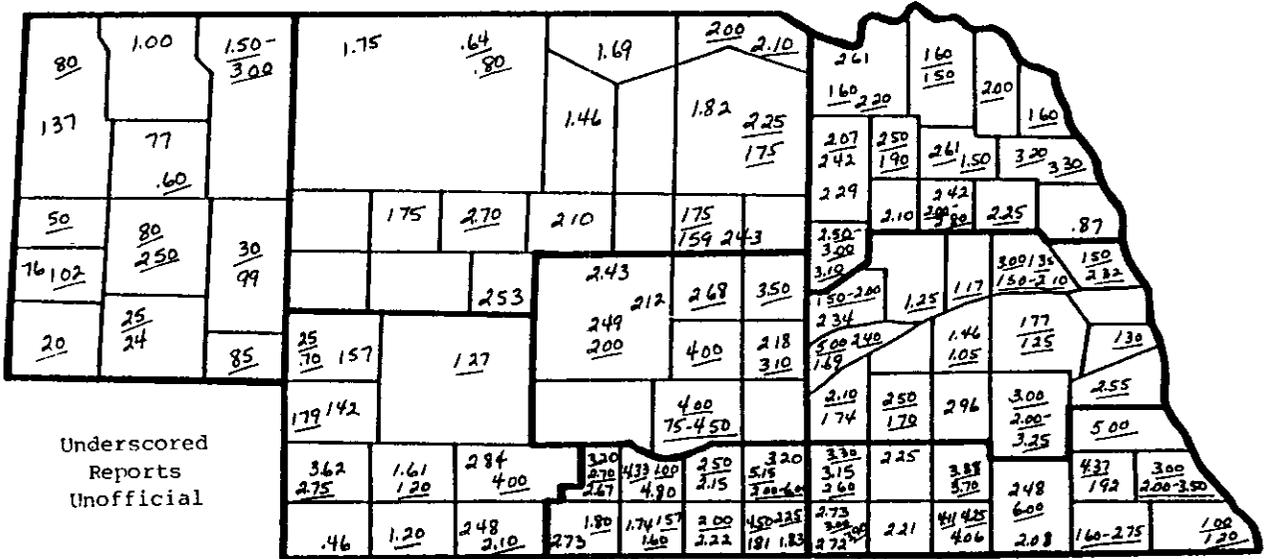
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PRECIPITATION MAP FOR MONTH OF APRIL 1993 1/



1/ Courtesy of the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.

PRECIPITATION MAP FOR WEEK ENDING FRIDAY, JUNE 25, 1993



PRECIPITATION, APRIL 1 - JUNE 25, 1993

	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week86	1.90	2.12	2.31	2.04	2.00	2.57	2.62
Total since April 1	7.95	10.83	12.79	11.80	14.16	8.83	9.51	13.41
Normal since April 1	7.36	8.52	9.83	9.24	10.36	7.72	9.15	10.40
Total as % of normal	108%	127%	130%	128%	137%	114%	104%	129%

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA,
WEEK ENDING SUNDAY, JUNE 27, 1993

Station	Temperature				Precipitation Total Inches 1/	Growing Degree Data Since April 15			
	Extremes		Mean	Departure		Last Week	Current	Normal	
	Max	Min							
NW	Chadron	---	---	---	---	---	---	---	
	Scottsbluff	93	39	66	-4	1.48	730	847	868
	Sidney	95	39	67	---	---	663	783	867
NC	Valentine	93	41	68	-3	.78	707	832	866
NE	Norfolk	91	54	69	-3	1.39	---	---	---
	Sioux City	89	54	72	-1	1.38	---	---	---
	Concord	---	---	---	---	---	705	852	1041
	Elgin	---	---	---	---	---	678	819	992
	West Point*	---	---	---	---	---	760	911	1072
CEN	Grand Island	91	51	71	-3	1.94	794	940	1037
	Ord	91	53	71	---	2.50	712	845	1043
EC	Lincoln	88	51	71	-4	2.09	830	976	1097
	Omaha	88	58	70	-4	.93	834	994	1034
	Columbus	---	---	---	---	---	842	993	1069
	York	---	---	---	---	---	789	940	1118
SW	Imperial	91	45	71	---	1.41	---	---	---
	North Platte	88	45	68	-2	1.37	**741	**868	**982
SC	Holdrege	---	---	---	---	---	780	918	1098
SE	Beatrice	---	---	---	---	---	841	990	1202
	Clay Center	---	---	---	---	---	774	920	1125

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

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.