

# NEBRASKA WEATHER & CROPS

Run 1600  
5/11/91

NEBRASKA  
AGRICULTURAL  
STATISTICS  
SERVICE

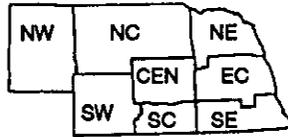
For Week Ending June 30, 1991

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## WEATHER

The week was warm and humid. Temperatures averaged from two degrees above normal in the northwest up to eleven degrees above normal in the central portion. Precipitation occurred the latter half of the week with amounts from less than a tenth of an inch in the east central portion of the State up to 1.60 inches in the northwest.

## GENERAL

Nebraska farmers and ranchers were able to conduct fieldwork activities nearly every day last week. The hot, dry winds were conducive to ripening and harvesting of wheat in most areas of the State. These same weather conditions were not as welcome to producers of other crops. The hot, dry, windy weather began stressing all crops and pastures with many corn fields showing rolling leaves by the weekend. Irrigation systems are either in full swing or in preparation stages from the Panhandle to the Missouri River. Other fieldwork activity included crop replanting, corn borer treatment, cultivating, and wild hay and alfalfa harvesting.

## CROPS

Winter wheat condition was rated at 5% poor, 48% fair, 45% good, and 2% excellent. Wheat harvest was in full swing in the Southeast, East Central, and South Central Districts. Statewide, harvest was 23% completed, compared with 11% last year and 20% for the 5-year average. Some reports indicate light test weights and widely varying yields. Red rust and other wet weather-related diseases were reported damaging fields.

## CROPS (Cont.)

Corn condition was rated at 6% fair, 80% good, and 14% excellent. Cultivating and hilling activities continued where crop growth did not exceed equipment height restrictions. Corn borers continue to be treated in many areas. Irrigation systems were in use and many dryland producers were in need of moisture. Early rains have limited corn root development and therefore, these plants require continued moisture to reach full plant capabilities. Rolling leaves were common from heat stress by the weekend.

Sorghum and soybeans are both in mostly good condition. Cultivating and replanting activities continued last week. Soybean blooming has occurred on 7% of the acreage. This compares with none at this time last year and 4% for the average.

Alfalfa condition was rated at mostly good. As first cutting activities come to a close, second cutting activity has begun in most areas of the State. Wild hay continues to be rated at good to excellent. Wild hay harvest began last week in the North Central and Northeast Districts.

## LIVESTOCK

Pasture and range condition was rated at 94% of normal, in the good to excellent category. Cattle continue to do well on pastures. Flies have become a problem for cattle in several areas.

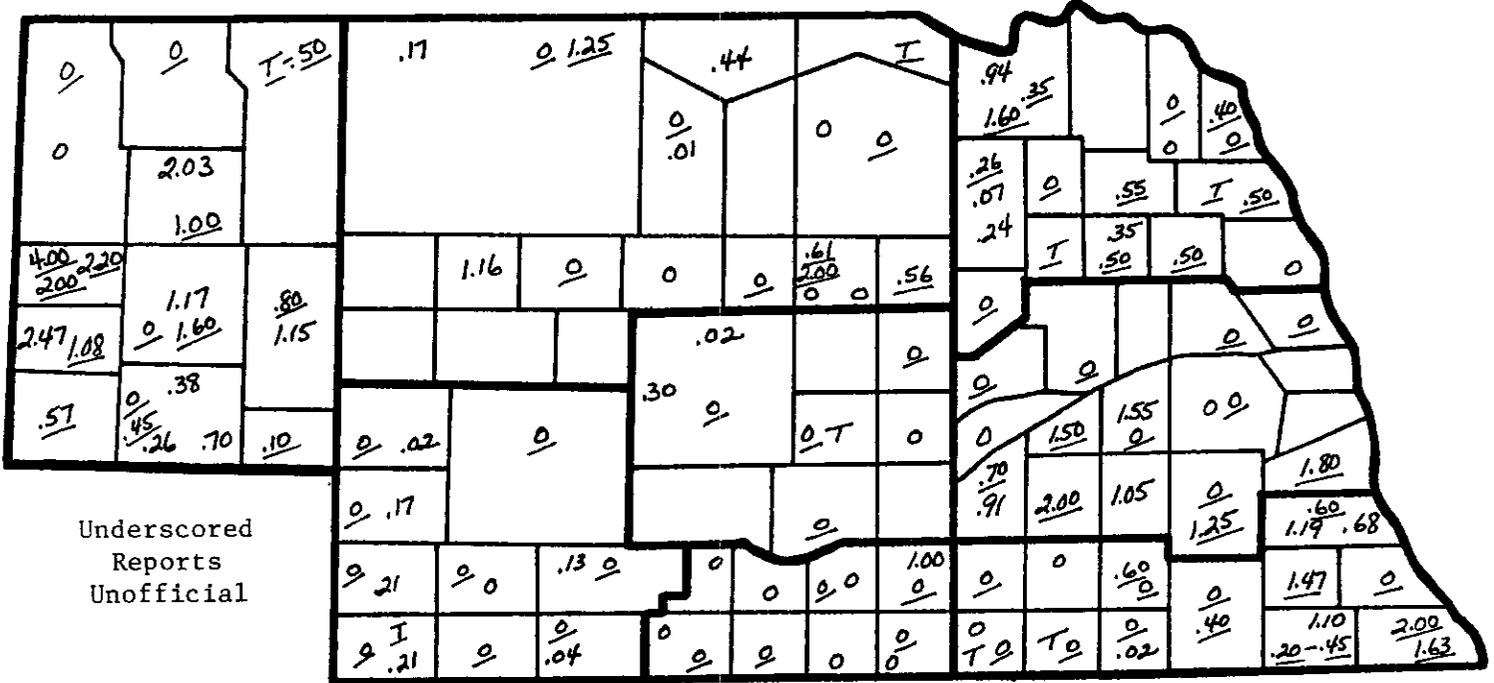
FIELD WORK PROGRESS AS OF JUNE 30, 1991	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% wheat turning	85	70	89	93	100	100	100	100	94	80	87	94
% wheat ripe	0	15	24	26	93	21	93	100	41	14	37	49
% wheat harvested	0	1	1	3	31	3	34	96	23	0	11	20
% soybeans blooming	0	0	7	0	5	0	11	13	7	0	0	4
% alfalfa second cutting	1	2	8	0	19	1	0	23	7	0	6	14
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF JUNE 28, 1991												
Days suitable	5.8	6.3	6.3	6.6	5.9	6.6	6.6	5.7	6.2	5.7	6.5	
Topsoil moisture - Short	25	20	31	80	32	0	92	57	39	24	34	
(Percent) - Adequate	55	80	69	20	68	100	8	43	58	62	61	
- Surplus	20	0	0	0	0	0	0	0	3	14	5	
Subsoil moisture - Short	0	13	6	20	5	0	8	60	15	12	34	
(Percent) - Adequate	94	87	94	80	86	100	92	40	82	80	66	
- Surplus	6	0	0	0	9	0	0	0	3	8	0	

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PRECIPITATION MAP FOR WEEK ENDING FRIDAY, JUNE 28, 1991



Underscored Reports  
Unofficial

Precipitation, April 1 - June 28, 1991								
	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week	1.02	.34	.27	.08	.70	.11	.14	.37
Total since April 1	9.96	10.24	11.78	10.77	13.02	9.95	10.14	8.72
Normal since April 1	7.69	8.90	10.25	9.63	10.81	8.05	9.57	10.85
Total as % of normal	130%	115%	115%	112%	120%	124%	106%	80%

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA,  
WEEK ENDING SUNDAY, JUNE 30, 1991

Station	Temperature				Precipitation Total Inches 1/	Growing Degree Data Since April 15		
	Extremes		Mean	Departure		Last Week	Current	Normal
	Max	Min						
NW Chadron	98	52	75	---	.94	---	---	---
Scottsbluff	94	51	73	+2	1.60	822	976	931
Sidney	94	55	74	---	.01	779	934	928
NC Valentine	97	61	77	+6	0	926	1101	930
NE Norfolk	100	63	84	+10	.33	---	---	---
Sioux City	98	64	83	+9	0	---	---	---
Concord	---	---	---	---	---	970	1159	1112
Elgin	---	---	---	---	---	978	1170	1061
West Point*	---	---	---	---	---	1073	1268	1144
CEN Grand Island	104	62	85	+11	.02	1130	1339	1110
Ord	100	57	82	---	0	996	1191	1114
EC Lincoln	99	62	84	+9	0	1225	1434	1171
Omaha	96	63	82	+8	.04	1208	1418	1105
Columbus	---	---	---	---	---	1150	1330	1142
York	---	---	---	---	---	1098	1287	1192
SW Imperial	98	62	80	---	.01	---	---	---
North Platte	94	59	78	+7	.17	**889	**1072	**1049
SC Holdrege	---	---	---	---	---	1011	1209	1169
SE Beatrice	---	---	---	---	---	1185	1374	1278
Clay Center	---	---	---	---	---	1091	1285	1197

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.