

NEBRASKA WEATHER & CROPS

Rup 700
9-23-91



For Week Ending September 22, 1991

Issue: 28-91

Phone: (402) 437-5541

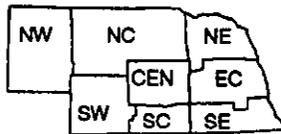
P.O. Box 81069

Released: 9/23/91 - 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
Institute of Agriculture
and Natural Resources--UNL

WEATHER

The week was dry and mild. Temperatures averaged from five to eight degrees below normals. Only trace amounts of precipitation occurred throughout the week.

GENERAL

The State received its first killing frost at midweek, according to the Nebraska Agricultural Statistics Service. Generally, most crops were already mature and therefore escaped serious damage and row crops will dry down faster because of the frost. However, some late planted, replanted, or drought-affected slow maturing row crops were hurt by the early frost. Row crop harvesting was in full swing in many areas. The dry bean harvest continued active in the West and some sugar beet harvesting was getting underway. Other farm activities included ground preparation and winter wheat planting, moving hay, some fourth cutting of alfalfa, and livestock care.

CROPS

Corn condition was rated at 5% very poor, 8% poor, 30% fair, 50% good, and 7% excellent. Silage harvesting was complete in some areas and winding down in others. Grain harvesting moved into full swing with 14% complete. Some replanted fields may have been affected by the frost. Heavy winds caused some lodging in the northern part of the State, and corn borer damage has caused ear droppage and stalk breakage in some areas.

CROPS (Cont.)

Soybean condition was rated at 9% very poor, 22% poor, 50% fair, 18% good, and 1% excellent. The harvest progressed to 13% complete. The soybean crop was most seriously affected by the frost as replanted fields and later maturing varieties were damaged.

Sorghum condition was rated at 11% very poor, 22% poor, 44% fair, 21% good, and 2% excellent. The harvest progressed rapidly to 19% complete, well ahead of last year and the 5-year average. The sorghum crop was also mostly mature before last week's frost, with only replanted fields and late heading fields, due to the drought conditions, being affected. Some drought-damaged fields in the Southeast have never headed. Stalk rot was causing concern for producers in the Southeast.

Wheat seeding progressed with 59% of the acreage complete. Dry conditions were slowing progress in the South and Southeast, while western growers were reporting good conditions. Heavy rains in the West caused some fields to be replanted.

LIVESTOCK

Pasture and range condition was rated at 60% of normal, down slightly from last week, although some pastures showed improvement after receiving some rain. Many cattlemen were supplementing cattle on pastures with hay and green chop. Livestock were moving into stalk fields as they became available. Weight gains improved with the cooler weather and fewer flies.

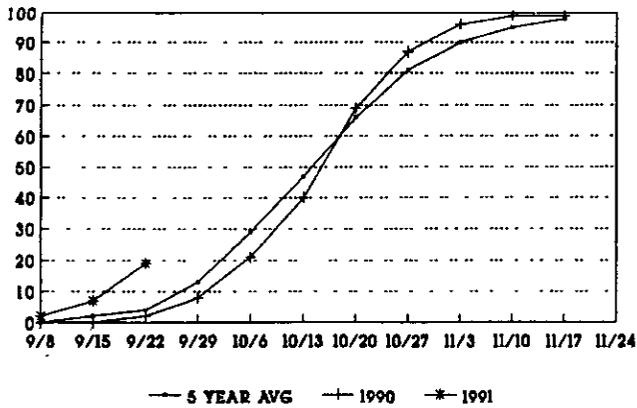
FIELD WORK PROGRESS AS OF SEPTEMBER 22, 1991	AGRICULTURAL STATISTICS DISTRICTS									STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE					
% corn mature	76	66	96	73	97	97	97	100	91	64	65	72	
% corn harvested	9	3	16	11	17	4	10	34	14	8	7	7	
% sorghum mature	64	48	87	73	93	91	84	97	91	59	49	61	
% sorghum harvested	0	3	7	15	14	3	6	31	19	7	2	4	
% soybeans turning color	0	96	100	100	96	100	90	100	98	91	89	92	
% soybeans dropping leaves	0	58	84	83	81	84	71	91	84	53	59	59	
% soybeans harvested	0	2	9	7	17	6	15	15	13	3	6	6	
% wheat sown	85	72	30	70	43	51	65	23	59	27	52	61	
% wheat emerged	38	34	4	11	9	5	23	1	18	0	20	28	
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF SEPTEMBER 20, 1991													
Days suitable	6.4	6.5	5.3	6.4	6.7	5.5	7.0	6.7	6.4	5.1	5.5		
Topsoil moisture - Short	33	36	31	71	75	33	92	100	62	68	76		
(Percent) - Adequate	67	64	69	29	25	67	8	0	38	27	24		
- Surplus	0	0	0	0	0	0	0	0	0	5	0		
Subsoil moisture - Short	58	79	81	86	100	56	100	100	86	85	77		
(Percent) - Adequate	42	21	19	14	0	44	0	0	14	15	23		
- Surplus	0	0	0	0	0	0	0	0	0	0	0		

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.

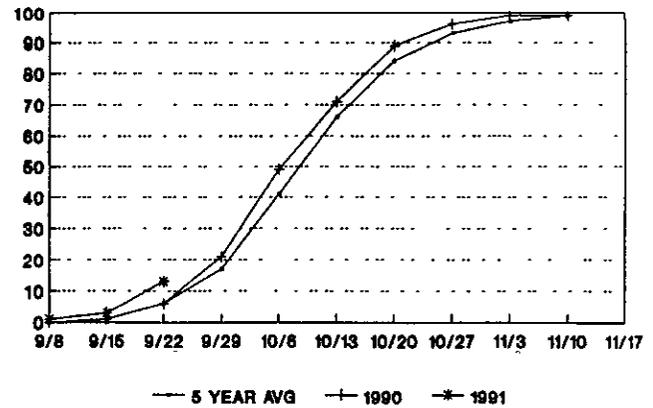
NEBRASKA WEATHER & CROPS
P.O. Box 81069
Lincoln, NE 68501

Second Class Postage
Paid at
Lincoln, Nebraska

NEBRASKA -- SORGHUM HARVESTED



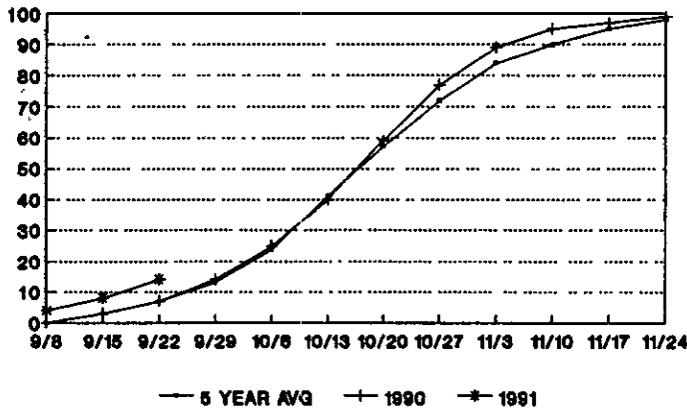
NEBRASKA -- SOYBEANS HARVESTED



PROGRESS AS OF SUNDAY

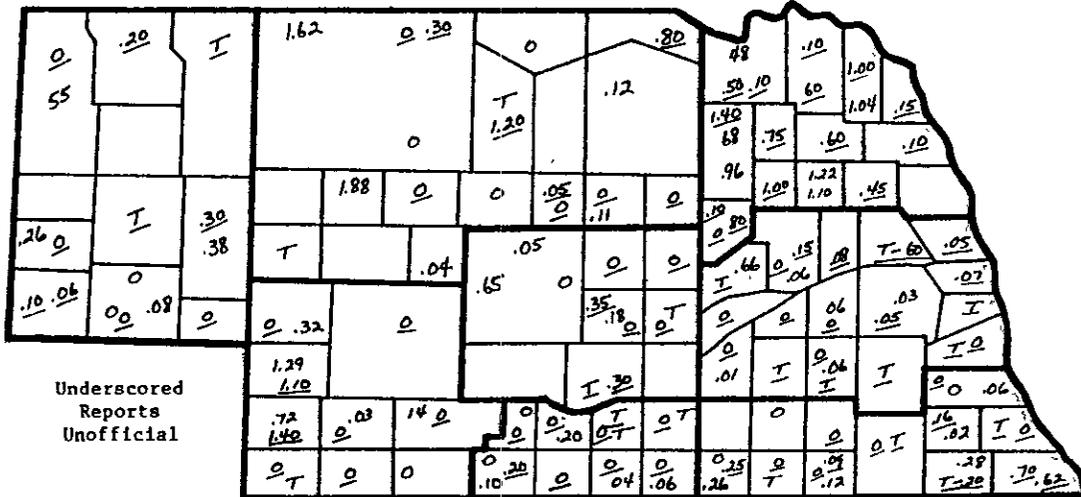
PROGRESS AS OF SUNDAY

NEBRASKA -- CORN HARVESTED



PROGRESS AS OF SUNDAY

PRECIPITATION MAP FOR WEEK ENDING FRIDAY, SEPTEMBER 20, 1991



Underscored Reports Unofficial

Precipitation, April 1 - September 20, 1991								
	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week21	.38	.88	.18	.15	.36	.05	.08
Total since April 1	13.85	15.40	17.73	15.14	18.98	15.73	15.95	15.18
Normal since April 1	12.71	15.80	18.42	17.18	20.00	14.37	17.56	21.13
Total as % of normal	109%	97%	96%	88%	95%	109%	91%	72%

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA, WEEK ENDING SUNDAY, SEPTEMBER 22, 1991

Station	Temperature				Precipitation Total Inches 1/	Growing Degree Data Since April 15		
	Extremes		Mean	Departure		Last Week	Current	Normal
	Max	Min						
NW Chadron	90	25	56	---	T	---	---	---
Scottsbluff	92	30	55	-5	01	2527	2605	2608
Sidney	90	32	55	---	T	2464	2536	2559
NC Valentine	85	17	55	-5	01	2680	2750	2636
NE Norfolk	76	26	54	-8	01	---	---	---
Sioux City	74	29	55	-8	02	---	---	---
Concord	---	---	---	---	---	2852	2905	2914
Elgin	---	---	---	---	---	2886	2941	2842
West Point*	---	---	---	---	---	2993	3050	2981
CEN Grand Island	80	27	56	-7	.00	3065	3142	2990
Ord	77	22	56	---	00	2902	2966	2946
EC Lincoln	82	29	58	-6	T	3259	3345	3113
Omaha	76	31	56	-7	T	3213	3282	2984
Columbus	---	---	---	---	---	3201	3267	3047
York	---	---	---	---	---	3140	3212	3150
SW Imperial	---	---	---	---	---	---	---	---
North Platte	79	26	54	-7	00	**2696	**2762	**2811
SC Holdrege	---	---	---	---	---	2949	3020	3056
SE Beatrice	---	---	---	---	---	3204	3281	3125
Clay Center	---	---	---	---	---	3027	3099	3103

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.