

NEBRASKA

WEATHER & CROPS

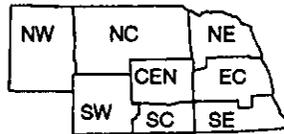
Run 1800 8/5/91



For Week Ending September 1, 1991

Issue: 25-91 Phone: (402) 437-5541 P.O. Box 81069
 Released: 9/3/91 - 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 warm and dry. Temperatures averaged from eight to ten degrees above normals. Only light amounts of precipitation averaging less than a tenth of an inch occurred in the central and southwest portions. The remainder of the State was dry.

GENERAL

Nebraska farmers and ranchers experienced another week of hot, dry weather conditions, according to the Nebraska Agricultural Statistics Service. Weather conditions this past week further stressed dryland crops and pushed ahead maturity of all crops. Rapid deterioration of crop condition, in some areas, was reflected in the individual crop conditions in this report. Irrigation wells continued to supply water to later planted crops as many irrigators have applied their last water of the season and are preparing for harvest. Other farm activities included silage harvest, harvest equipment preparations, wheat seeding preparations, and dry bean harvest.

CROPS

All corn condition declined and was rated at 6% very poor, 9% poor, 32% fair, 45% good, and 8% excellent. Dryland corn continued to experience stress from heat and lack of moisture with only 10% rated at good or better. Irrigated corn was rated at 72% good or better. Silage

CROPS (Cont.)

harvesting activities continued with a few reports of grain harvested. Overall, crop development continued well ahead of normal.

Soybean condition declined last week and was rated at 7% very poor, 39% poor, 38% fair, and 16% good. Reports indicate that some fields are turning color early due to the hot, dry weather and in some cases, plants have dropped pods. Moisture is needed in order to limit yield losses.

Sorghum condition also declined and was rated at 14% very poor, 23% poor, 44% fair, and 19% good. Weather conditions last week moved the crop toward maturity at a faster than normal pace and remains well ahead of normal in coloring and ripening. Spot harvesting occurred last week. Sorghum fields not headed out remain a concern.

Alfalfa was rated at 14% very poor, 35% poor, 26% fair, 24% good, and 1% excellent. Third cutting activities progressed last week and remain ahead of last year and the average.

LIVESTOCK

Pasture and range condition was rated at 63% of normal, also a decrease from last week. Many pastures have turned brown and need moisture to obtain new growth and grazing potential. Supplemental feeding of cattle on pastures became more widespread due to the reduced grazing available.

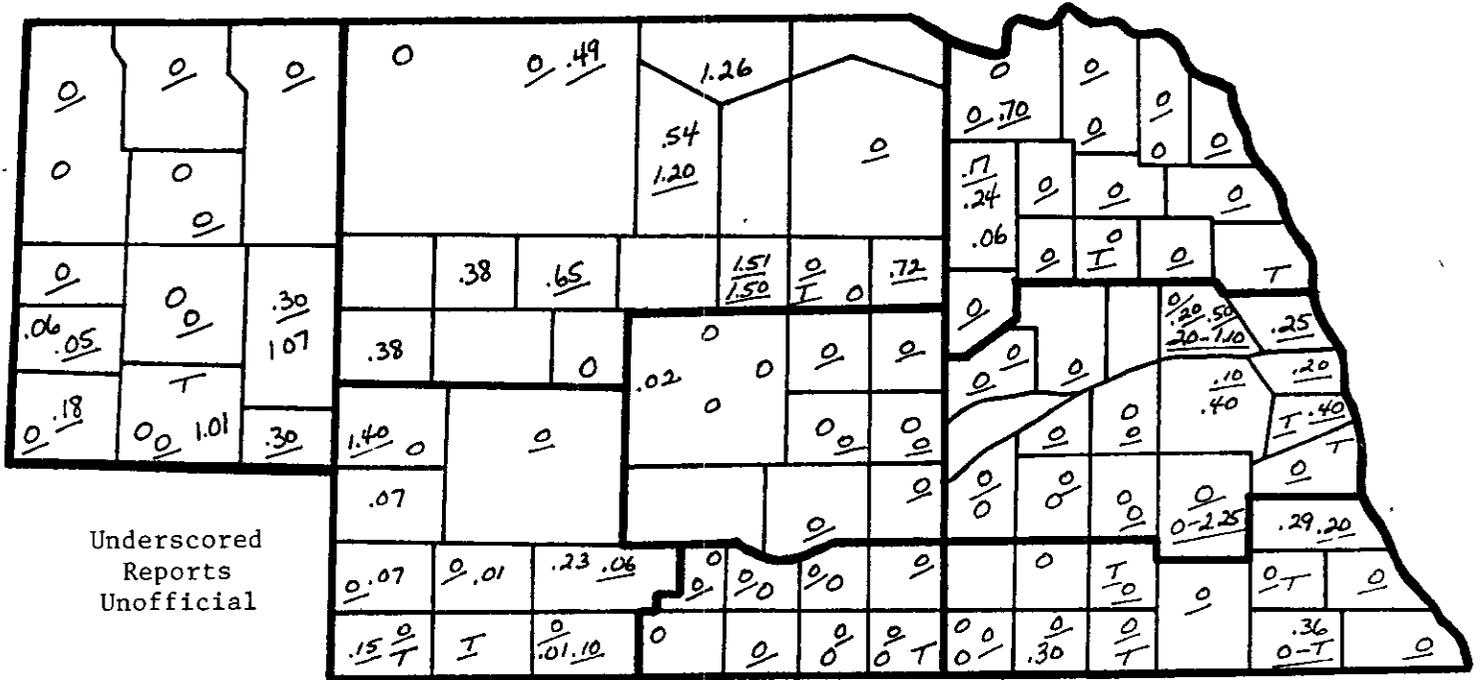
FIELD WORK PROGRESS AS OF SEPTEMBER 1, 1991	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% corn dented	58	76	85	74	87	95	87	98	85	61	51	69
% corn mature	2	7	19	7	31	9	7	35	18	4	2	13
% sorghum turning color	40	45	40	47	85	71	59	82	76	47	35	60
% sorghum mature	0	3	2	5	20	5	1	19	15	3	1	6
% soybeans turning color	0	36	46	32	36	39	32	40	40	10	21	28
% soybeans dropping leaves	0	14	5	5	15	9	3	11	10	0	4	6
% alfalfa third cutting	44	60	85	100	85	92	88	73	79	73	77	76
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF AUGUST 30, 1991												
Days suitable	6.9	6.8	6.9	6.9	6.8	6.9	6.7	6.9	6.9	6.7	6.9	
Topsoil moisture - Short	100	88	100	100	100	92	100	100	98	91	74	
(Percent) - Adequate	0	12	0	0	0	8	0	0	2	9	25	
- Surplus	0	0	0	0	0	0	0	0	0	0	1	
Subsoil moisture - Short	53	88	95	87	92	75	92	100	86	78	61	
(Percent) - Adequate	47	12	5	13	8	25	8	0	14	22	39	
- 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

PRECIPITATION MAP FOR WEEK ENDING FRIDAY, AUGUST 30, 1991



Underscored
Reports
Unofficial

Precipitation, April 1 - August 30, 1991

	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week27	.37	.05	.01	.07	.06	.00	.12
Total since April 1	12.68	13.35	15.00	13.20	17.82	13.72	15.11	13.80
Normal since April 1	11.85	14.52	16.75	15.69	17.88	13.25	15.86	18.66
Total as % of normal	107%	92%	90%	84%	100%	104%	95%	74%

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA,
WEEK ENDING SUNDAY, SEPTEMBER 1, 1991

Station	Temperature				Precipitation Total Inches 1/	Growing Degree Data Since April 15			
	Extremes		Mean	Departure		Last Week	Current	Normal	
	Max	Min							
NW	Chadron	102	56	79	---	---	---	---	
	Scottsbluff	99	54	76	+8	0	2145	2302	2317
	Sidney	98	50	74	---	0	2089	2242	2266
NC	Valentine	100	50	79	+10	0	2259	2435	2353
NE	Norfolk	97	58	80	+10	0	---	---	---
	Sioux City	94	60	78	+8	0	---	---	---
	Concord	---	---	---	---	---	2398	2575	2617
	Elgin	---	---	---	---	---	2424	2600	2554
	West Point*	---	---	---	---	---	2528	2703	2675
CEN	Grand Island	95	58	79	+8	.08	2569	2746	2673
	Ord	95	51	76	---	0	2449	2616	2635
EC	Lincoln	97	61	80	+8	.04	2750	2931	2774
	Omaha	93	64	79	+9	.14	2698	2888	2667
	Columbus	---	---	---	---	---	2687	2869	2723
	York	---	---	---	---	---	2644	2824	2795
SW	Imperial	95	54	75	---	.12	---	---	---
	North Platte	95	51	78	+9	.01	**2286	**2441	**2505
SC	Holdrege	---	---	---	---	---	2490	2661	2719
SE	Beatrice	---	---	---	---	---	2714	2892	2835
	Clay Center	---	---	---	---	---	2561	2732	2764

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.