

NEBRASKA WEATHER & CROPS



For Week Ending May 29, 1994

Issue: 12-94

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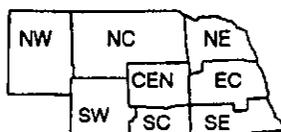
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National Agricultural Statistics Service
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National Oceanic and Atmospheric Admn
National Weather Service



Nebraska Department of Agriculture
Division of Agr'l. Statistics
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WEATHER

Temperatures for the week averaged four degrees above normals. Precipitation occurred intermittently throughout the week with official amounts varying from zero up to .80 inch in the northeast.

GENERAL

Planting activities continued in full swing last week as warm dry weather conditions prevailed across the State, according to the Nebraska Agricultural Statistics Service. Some center pivots were in operation to aid crop germination, help activate herbicides, as well as to insure a good start for the newly emerged crop. Topsoil moisture supplies continued to decline and concerns were expressed about grass growth, heading wheat, and row crop seed germination. Producer activities included planting crops, cultivating and spraying for weeds, rotary hoeing corn, and moving cattle to pastures.

CROPS

Winter wheat condition was rated at 6% poor, 46% fair, 45% good, and 3% excellent. The warm, dry weather conditions last week prompted increased wheat development with 64% headed to date. This continued well ahead of last year at 32% and is currently ahead of the five-year average at 62%. The crop was showing stress due to the continued dry conditions. If moisture is not received soon, the crop yields will be reduced in many fields.

Corn condition was rated at 15% fair, 78% good, and 7% excellent. Mechanical and chemical weed control

CROPS (Cont.)

activities were active, as some pre-emergence herbicides failed to be fully activated. Some replanting was required on early planted fields with poor stands.

Soybean planting made excellent progress and was 97% complete by week's end, compared with 41% last year and 63% for the average. Moisture is needed to insure germination and to activate herbicides. Plant emergence was rated at 56%.

Sorghum planting also made excellent progress with 86% planted as of Sunday. This compares with 32% last year and 54% for the average. Plant emergence was rated at 36%.

Dry bean planting moved along quite well with 31% complete to date. This compares with 10% last year. Rains on Tuesday delayed some plantings in Scotts Bluff County.

Alfalfa condition was rated at 2% poor, 43% fair, 50% good, and 5% excellent. The first cutting was 21% harvested and compares with 9% last year and 15% for the average. Wild hay condition was rated at 2% poor, 27% fair, 65% good, and 6% excellent

LIVESTOCK

Pasture and range condition was rated at 93% of normal and compares with 100% last year. Lack of moisture has stressed some pastures and limited grass growth. Moisture is needed to provide adequate grazing potential in summer pastures.

FIELD WORK PROGRESS AS OF MAY 29, 1994	AGRICULTURAL STATISTICS DISTRICTS									STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE					
% corn emerged	88	87	95	100	93	100	99	97	96	69	55	78	
% sorghum planted	0	80	98	88	90	86	82	84	86	50	32	54	
% sorghum emerged	0	35	48	44	48	43	14	35	36	0	7	27	
% soybeans planted	0	88	100	100	95	100	99	98	97	71	41	63	
% soybeans emerged	0	53	48	77	58	61	49	60	56	21	9	31	
% alfalfa first cutting	3	10	16	17	35	37	47	34	21	0	9	15	
% wheat jointed	96	100	100	100	100	100	100	100	98	96	100	99	
% wheat headed	34	28	42	38	61	86	77	89	64	20	32	62	
% dry beans planted	26	50	100	30	0	43	80	0	31	2	10	n/a	
% dry beans emerged	4	32	80	15	0	20	51	0	9	0	n/a	n/a	
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF MAY 27, 1994													
Days suitable	5.5	6.7	6.9	6.6	6.8	5.7	6.7	6.7	6.5	6.2	5.3		
Topsoil moisture - Short	62	47	100	67	79	88	100	73	79	67	5		
(Percent) - Adequate	23	53	0	33	17	12	0	27	18	33	72		
- Surplus	15	0	0	0	4	0	0	0	3	0	23		
Subsoil moisture - Short	15	12	4	14	5	63	8	0	11	7	1		
(Percent) - Adequate	85	88	96	86	86	37	92	100	87	91	76		
- Surplus	0	0	0	0	9	0	0	0	2	2	23		

n/a = not available

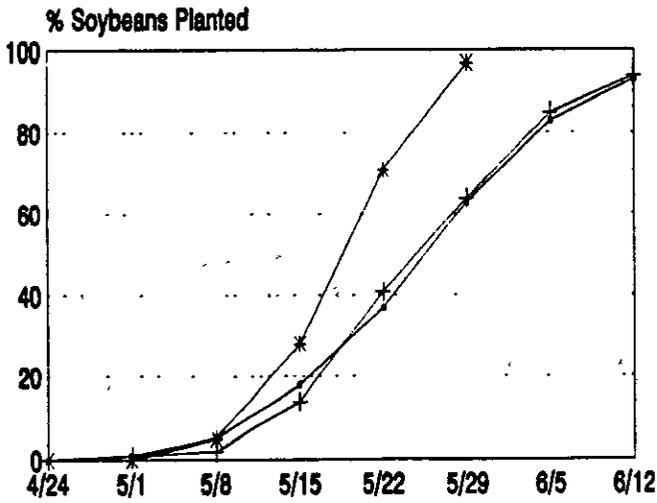
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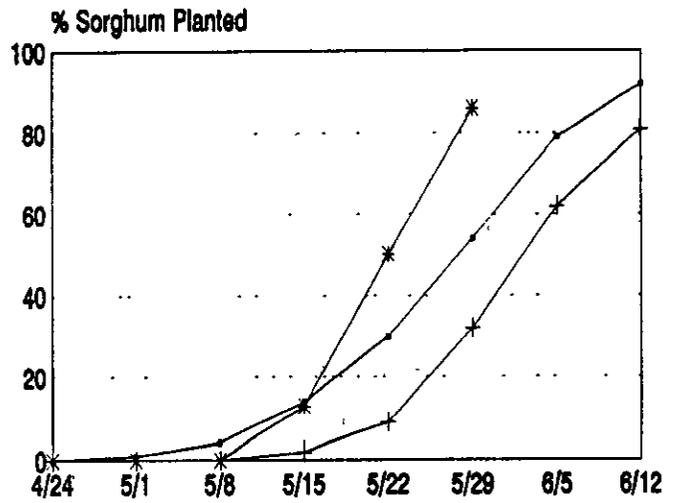
SOYBEANS PLANTED



→ 5 YEAR AV + 1993 * 1994

PROGRESS AS OF SUNDAY

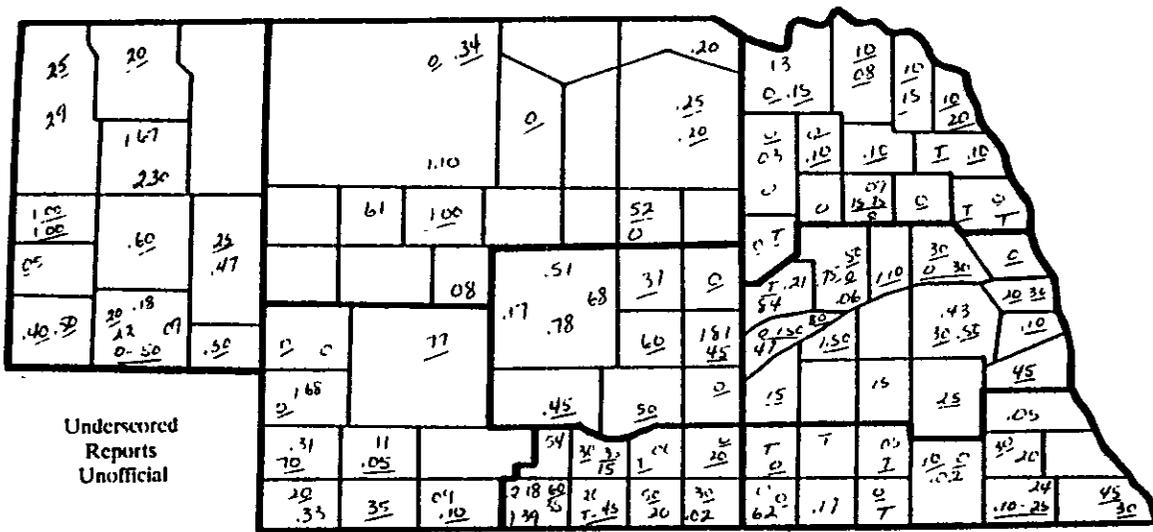
SORGHUM PLANTED



→ 5 YEAR AV + 1993 * 1994

PROGRESS AS OF SUNDAY

PRECIPITATION MAP FOR WEEK ENDING FRIDAY, MAY 27, 1994



PRECIPITATION, APRIL 1 - MAY 27, 1994

	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week	.49	.40	.04	.79	.36	.42	.57	.12
Total since April 1	2.38	2.79	3.50	4.31	3.88	2.61	3.83	5.24
Normal since April 1	4.43	5.08	5.82	5.55	6.29	4.53	5.27	6.25
Total as % of normal	54%	55%	60%	78%	62%	58%	73%	84%

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA, WEEK ENDING SUNDAY, MAY 29, 1994

Station	Temperature				Precipitation Total Inches 1/	Growing Degree Data Since April 15		
	Extremes		Mean	Departure		Last Week	Current	Normal
	Max	Min						
NW Chadron	86	38	64	---	0	---	---	---
Scottsbluff	88	44	64	+4	.45	487	591	417
Sidney	87	37	62	---	---	435	535	374
NC Valentine	88	40	65	+4	.49	---	---	---
Arthur	---	---	---	---	---	443	545	367
O'Neill	---	---	---	---	---	433	544	429
NE Norfolk	91	40	68	+4	.80	---	---	---
Sioux City	91	48	69	+4	.58	---	---	---
Concord	---	---	---	---	---	442	565	459
Elgin	---	---	---	---	---	447	571	425
West Point	---	---	---	---	---	474	607	459
CEN Grand Island	90	44	69	+4	.60	---	---	---
Ord	90	46	67	---	0	460	584	450
Wood River	---	---	---	---	---	460	591	486
EC Lincoln	90	41	69	+3	.22	501	644	510
Omaha	92	49	70	+4	.76	---	---	---
Central City	---	---	---	---	---	487	622	513
Mead	---	---	---	---	---	478	609	500
Rising City	---	---	---	---	---	463	597	503
SW Imperial	---	---	---	---	---	---	---	---
North Platte	87	43	65	+4	.62	456	571	440
McCook	---	---	---	---	---	492	611	495
SC Holdrege	---	---	---	---	---	466	591	479
Red Cloud	---	---	---	---	---	471	598	516
SE Beatrice	---	---	---	---	---	479	613	506
Clay Center	---	---	---	---	---	468	597	486

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