

U. S. Department of Agriculture
Bureau of Agricultural Economics
and
U. S. Department of Commerce
Weather Bureau

Nebr. Dept. of Agr. & Inspection
Division of Agr'l Statistics
and
Agricultural Extension Service
of Nebr. College of Agr.

NEBRASKA WEEKLY WEATHER AND CROP REPORT

Released 8/26/47 P.M.

Week Ending 8/25/47

WEATHER Hot, dry weather prevailed until the close of the week when a pronounced change to cooler was accompanied by moderate to locally heavy rains over the eastern and most of the south-central portions of the State, and light to moderate local showers elsewhere.

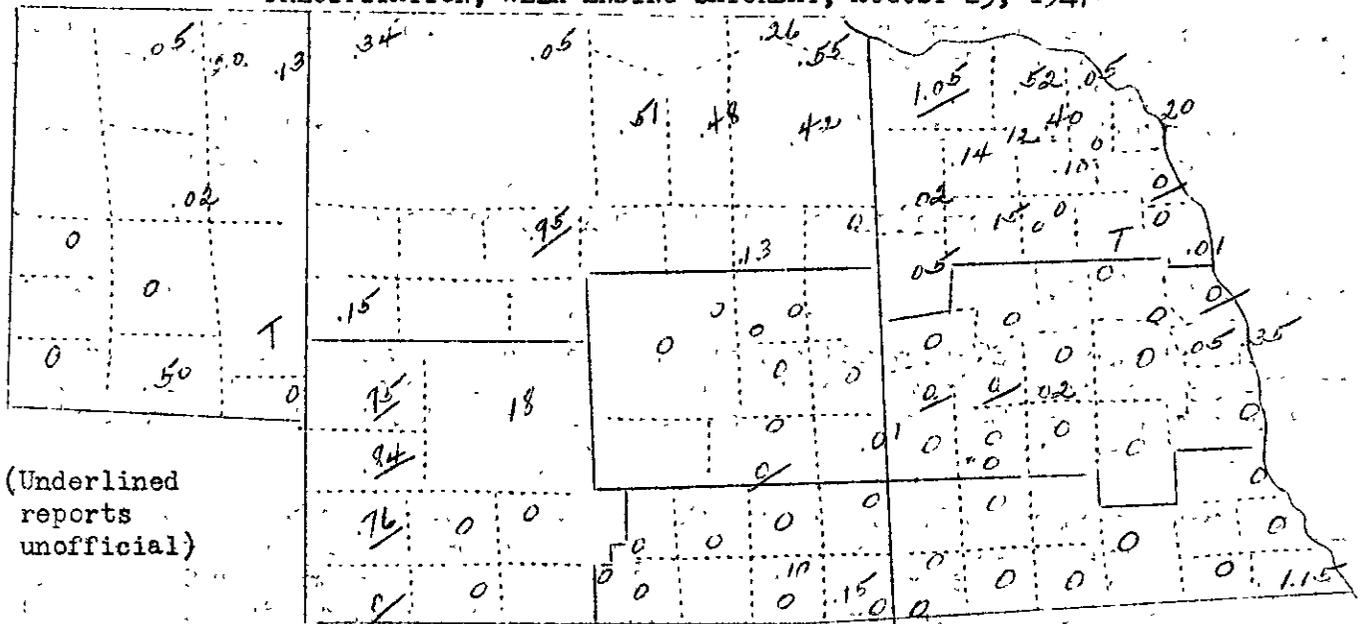
CROPS Corn deteriorated heavily during the week ending Saturday because of the rapidly diminishing subsoil moisture supply. The returns for the week ending August 23 showed a deterioration almost equal to that which occurred during the first half of the month. The heavier amounts of the State-wide rain received Sunday will enable corn that was fertilized in those areas to improve and fill out better, instead of being light and chaffy.

A field investigation made last week covering a 300 mile trip revealed a varying but large percentage of incomplete fertilization. This is probably due to killing of pollen by the high temperatures, and greater than usual advance of tassel over the silks. Generally, late planted corn is stunted and bushy in appearance, and can not produce corn. Even some of the corn planted between the early and late planting had very small ears, part of which were not filled, or had no ear at all. Corn is so uneven and spotted within the field and from field to field, and in localities, that it is very difficult to make even a general statement as to the damage. Had it not been for the extreme heat, fertilization would have been complete and the crop could have matured largely on the splendid reserve supply of subsoil moisture. This is evident from the fact that the crop remained green for a much longer period of time than one would expect under the severe punishment from high temperatures for nearly a month, and in most places lack of rain from July 19th to August 23rd.

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The condition of all other crops dropped during the week. Condition of sorghum is lower, but the rains, in places where substantial amounts fell, should improve this crop. Condition of alfalfa is lower. Rain was too late to help the third crop. The first two crops of alfalfa were heavy. Wild hay showed very little change, as most of the crop has been harvested. The second cutting in northeastern Nebraska will be a little short because of insufficient moisture. Condition of pasture dropped considerably. The yields of small grain showed very little change from previous estimates.

Most of the counties report an ample supply of feed grains, and hay and forage. A considerable percentage of the counties are reporting pasture being short, especially in the eastern third of the State. Range and pasture in the sandhills is generally ample. Most of the reports were mailed Saturday and up to that day practically all of the reports indicated a shortage of rainfall and subsoil moisture. About two-thirds of the counties reported a shortage of subsoil moisture. A week ago, 40 percent of the counties reported shortage of subsoil moisture. Sunday's precipitation will help the situation considerably where the amount was ample, and will enable farmers to resume plowing for wheat. Issued by the Weather Bureau and the State and Federal Departments of Agriculture.

PRECIPITATION, WEEK ENDING SATURDAY, AUGUST 23, 1947*



HIGHEST AND LOWEST TEMPERATURES (For 24 hrs. ending 6:30 a.m.)

		August													
		19th		20th		21st		22d		23d		24th		25th	
		Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
NW.	Chadron	85	52	96	56	100	72	100	68	96	65	92	57	75	44
	Scottsbluff	77	53	94	56	95	64	96	61	90	62	87	57	72	51
	Sidney	77	53	89	58	94	58	94	65	94	63	87	61	69	47
N-C	Burwell	95	66	94	72	97	--	95	75	93	69	94	66	91	60
	Valentine	84	65	91	69	100	77	98	74	96	72	85	60	78	60
NE	Norfolk	100	69	99	78	102	76	99	75	97	75	99	69	83	65
	Sioux City, Ia.	99	72	97	73	101	73	99	72	97	70	98	71	87	66
Gen.	Grand Island	100	69	100	75	101	73	99	72	97	70	97	68	85	63
E-C	Lincoln	99	77	99	78	101	78	99	77	95	75	97	74	95	68
	Omaha	97	75	97	78	99	77	96	75	96	75	97	75	95	69
SW	Hayes Center	95	62	95	64	97	68	96	70	95	67	96	65	77	56
	North Platte	93	64	93	68	97	71	95	72	93	71	95	65	71	--

WEATHER BUREAU TELEGRAPHIC REPORT OF PRECIPITATION FOR WEEK ENDING AUGUST 25, 1947.

Eastern Division	Eastern Div., Cont'd.	Central Division	Western Division
Albion	Hastings .91	Broken Bow 1.24	Alliance .02
Auburn .46	Lincoln .88	Burwell 1.64	Chadron .05
Beatrice .84	Norfolk .74	Cambridge .22	Culbertson .23
Columbus .86	Oakdale .30	Holdrege .45	Hayes Center .55
Fairbury .51	Omaha .60	North Loup --	Kimball 0
Fairmont 1.22	Red Cloud 1.65	North Platte .95	Merriman .34
Falls City .62	St. Paul .45	O'Neill 2.01	Scottsbluff 0
Fremont 1.08	Tekamah .64	Ravenna .84	Sidney .18
Grand Island .35	Wakefield --	Valentine .05	
Hartington .69	York .48		
Average this week	0.74	0.92	0.17
Total since April 1	19.08	14.98	14.01
Normal Since April 1	17.32	14.83	11.99

*Precipitation on Sunday not included on map but included in the above table.