

NEBRASKA WEEKLY WEATHER AND CROP REPORT

Released 9-5-51 - 11:00 A.M.

Week Ending 9-3-51

WEATHER The weather was hot and dry during the first half of the week but cool, cloudy and humid during the latter half, with spotted rains during the latter half, which were generally light in the northeast to heavy in the southwest and the southern half of the Panhandle.

Mean temperatures for August ranged from slightly above normal in the east to a little below over the north-central portion of the State. Rainfall was considerably above normal over most of the central and eastern portions of the State, but the west was spotted with some stations wet and others very dry.

CROPS There was no change in the condition of corn during the past week. There were a few days of favorable weather, but generally it was entirely too wet and cold. There were an increasing number of reports of damage from corn root worm and some from corn borer. A few of the southwestern and south-central counties, where weather has been normal, report a more favorable outlook but generally with reservations because of lateness.

Normally, corn should be tasseled by August 1. This year 12% was tasseled by July 28, 44% by August 3, 74% by August 11 and 90% by August 18. Normally, silking follows tasseling by a day or two. On August 25, 9% of the corn had not silked and by September 1, 5% of the corn had not silked. Under average conditions the progress of corn after silking is as follows: milk stage, 17 days; early roasting ears, 24 days; late roasting ears, 30 days; denting stage, 37 days; glazing, 43 days and ripe, 50 days. Presumably, cold, wet weather has slowed progress.

At the Experimental Station at Lincoln first-year corn following wheat in non-legume and unfertilized rotations is the poorest since the drouth years. In corresponding rotations corn following corn will yield only about half as much because of serious root worm damage. Following legumes, manuring or fertilization with nitrogen, first-year corn promises to be fully up to normal.

Seeding of wheat in the Panhandle was delayed by rainy weather with about 13% of the work done. Southwestern and south-central Nebraska seeded about 8% of the crop with practically none seeded elsewhere. Except for local areas, where it was too wet, plowing for fall wheat has been completed, and generally seed beds are in good condition except in some areas where heavy local rainfall packed the ground too much.

Sorghum crops are late. Because of wet weather considerable of the oats in northeastern Nebraska are still in the shock and there is much damage from sprouting and rotting. About 9% of the rye has been seeded. Generally, the third crop of alfalfa will be heavy. Ranges and pastures are exceptionally good for this date.

Seed beds and moisture conditions have been unusually favorable for seeding alfalfa and grasses. About 43% of the alfalfa has been seeded and 37% of the grasses to date. There has been some difficulty in getting alfalfa seed. The outlook for this year's seed crop varies considerably due to weather and the webworm.

COUNTY COMMENTS ON CORN, SEPTEMBER 1

NORTHWEST DIST. Box Butte: Corn needs 3 weeks of growth before frost. Cheyenne: Corn in dough stage good but late. Morrill: Corn needs 30 days to mature corn. Sheridan: Only 15% of the corn will be matured at normal frost date. Sioux: Much of the corn needs moisture.

NORTH-CENTRAL DIST. Garfield: Corn needs 3 weeks of warm weather. Logan: Small percent of corn in roasting ear stage, needs 6 weeks to mature.

NORTHEAST DIST. Antelope: Corn needs sun and warm days. Maturity slow, is fully  $2\frac{1}{2}$  weeks behind normal. Dakota: Corn needs warm weather and late frost for maturity. Knox: Corn very late and needs a month of favorable weather to mature. More fields reached roasting ear stage and a few fields beginning to dent. Pierce: Root worm and corn borer damage showing up. Stanton: Corn looks good, 70% dented, needs sunshine to mature. Some corn borer damage. Wayne: Corn is late.

CENTRAL DIST. Custer: Corn mostly in roasting ear stage. Groeloy: Some corn denting, other corn just shooting ears. Howard: Fifty percent of corn is late and will need 6 weeks of warm weather. Sherman: Corn needs a month or two for maturity, otherwise good. Valloy: Earliest corn beginning to dent.

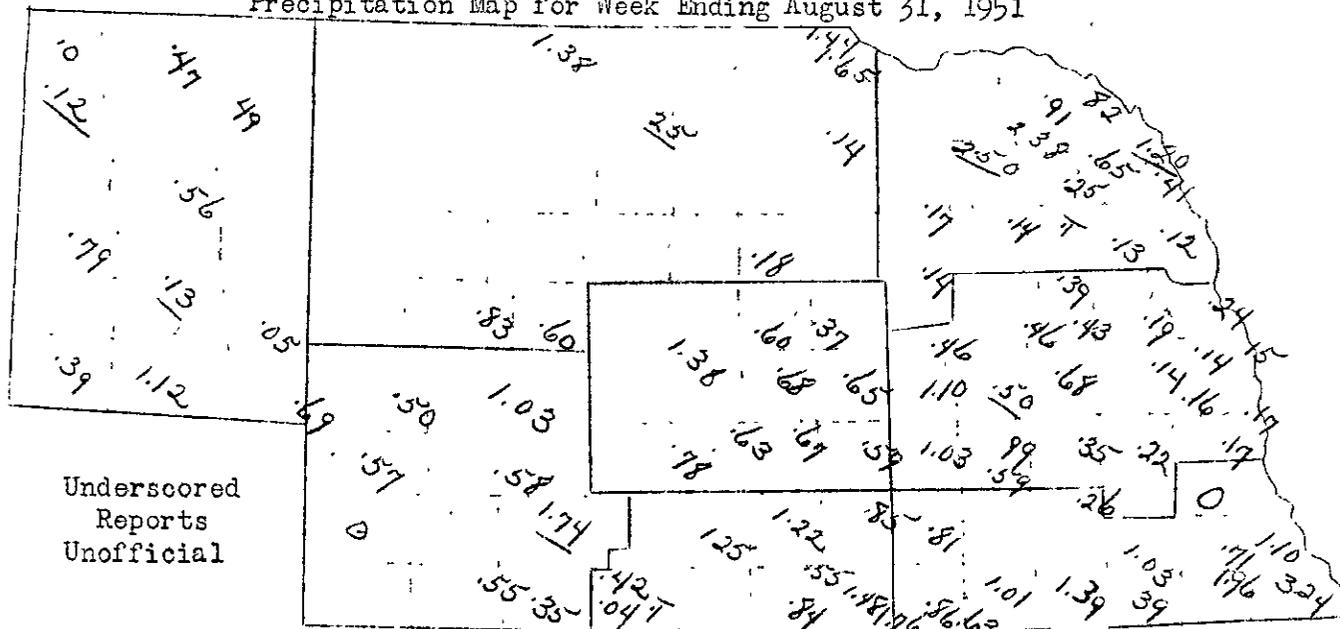
EAST DIST. Cass: Much of the corn needs a lot of good corn weather. Dodge: Fifty percent of the corn in roasting ear stage, some in the dough and near dent. Hamilton: Corn nearing silage stage. Platte: Corn 2 weeks late. Sarpy: Hot weather improved corn slightly. Seward: Corn needs warm weather for maturity. York: Much corn root worm damage on corn.

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Precipitation Map for Week Ending August 31, 1951



HIGHEST AND LOWEST TEMPERATURES (For 24 hours ending in a.m.)

		AUGUST				SEPTEMBER									
		28th		29th		30th		31st		1st		2nd		3rd	
		Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
NW	Chadron	92	55	82	62	90	59	88	61	80	56	77	58	78	55
	Scottsbluff	84	55	89	62	89	--	87	57	81	53	74	53	78	54
	Sidney	90	56	89	61	88	60	87	60	81	56	70	54	77	55
N-C	Burwell	79	62	77	69	86	71	91	65	75	60	66	58	66	56
	Valentine	84	65	81	66	83	63	86	59	72	58	69	57	67	55
NE	Norfolk	85	65	84	72	79	72	91	65	75	59	65	56	63	60
	Sioux City	85	65	87	72	82	74	92	68	75	56	64	58	68	59
CEN.	Grand Island	86	65	83	71	88	69	92	69	75	60	67	57	64	59
	Lexington	89	66	85	67	89	63	89	67	72	57	78	52	75	55
E-C	Lincoln	87	68	85	73	95	79	96	74	74	60	70	59	71	64
	Omaha	87	67	87	74	93	77	99	74	77	59	64	61	71	64
SW	Imperial	94	65	90	65	96	64	92	64	85	59	--	56	77	56
	North Platte	83	67	80	70	86	69	89	66	79	59	76	60	77	55

WEATHER BUREAU TELEGRAPHIC REPORT OF PRECIPITATION FOR WEEK ENDING SEPTEMBER 3, 1951

Eastern Division		Eastern Div., Cont'd.		Central Division		Western Division	
Albion	0	Hastings	1.92	Broken Bow	.21	Alliance	1.90
Ashland	.01	Lincoln	.35	Burwell	.18	Chadron	.76
Auburn	.72	Norfolk	.17	Cambridge	1.42	Culbertson	.53
Beatrice	1.30	Oakdale	.17	Holdrege	2.20	Imperial	1.14
Columbus	.09	Omaha	.05	Lexington	1.40	Kimball	.39
Fairbury	1.27	Red Cloud	1.43	North Loup	.09	Scottsbluff	3.60
Fairmont	1.44	St. Paul	.19	North Platte	1.31	Sidney	1.21
Falls City	2.24	Tokamah	.06	O'Neill	.14		
Fremont	0	Wakefield	0	Ravenna	.48		
Grand Island	1.00	York	.86	Valentine	1.33		
Hartington	.06						
Average this week		0.63		0.88		1.36	
Total Since April 1		27.45		20.80		13.55	
Normal Since April 1		18.03		15.47		12.49	

**SOUTHWEST DIST.** Dundy: Most corn will be ready for frost by October 10. Frontier: Even with a late frost there will be much soft corn. Hayes: There is some question as to whether corn will mature before frost. Lincoln: Most of the corn is eared and a small percent is past roasting ear stage. Red Willow: Corn needs hot weather, many fields past roasting ear stage and promising.

**SOUTH-CENTRAL DIST.** Franklin: Corn in roasting ear stage, some will never mature. Gosper: Weather during week has been ideal for maturing corn. Kearney: Most farmers feel that they have the best corn they ever had. Phelps: Dry-land corn needs more rain, some fields starting to dent. Webster: About 15% of the corn has reached the denting stage with balance in soft and hard dough stages.

**SOUTHEAST DIST.** Clay: Corn in all stages of growth. Root worm and hail have damaged corn. Fillmore: Most corn in roasting ear stage, some just silked. Much hail and root worm damage. Gage: Corn 10 days to 2 weeks late. Nemaha: Corn very late but better in eastern part of county. Pawnee: Recent hot weather good for corn. Very few good fields. Some root worm and corn borer damage. Saline: Corn needs dry, warm, windy weather. Thayer: Early corn in denting stage. Late corn in roasting ear stage, needs warm weather. Considerable corn root worm damage.