

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 6-5-51 - 11:00 A.M.

Week Ending 6-4-51

WEATHER Average temperatures ranged from near normal in the extreme eastern portion of the State to about 8° below/normal in the extreme west. The week opened warm, but unseasonably cold weather overspread the western portion of the State during the night of May 31st, and reached the extreme eastern portion by the morning of June 2nd. Much of the east-central and southeastern portions of the State received excessive flooding and washing rains, and rainfall was generally heavy elsewhere except along the western half of the Kansas border where several stations received only light amounts. The excessive rains caused the most severe flood of record along portions of the Blue River and very severe floods along Salt Creek tributaries, the Nemaha, and Little Nemaha Rivers.

May was slightly warmer and considerably wetter than normal over the State as a whole, but the southern portion of the Panhandle received less than normal rainfall. Hail storms were less numerous and damaging than usual.

CROPS Heavy rains during the past week caused severe flooding of lowlands and washed cultivated hill land badly in the eastern part of the State. Elsewhere, there were some local damaging rains. Only 77% of the State's corn acreage had been planted by the close of the week. Much of the acreage will need to be replanted because of washing rains that silted under some that was up and other corn was washed out of the lister furrows. There is some question whether lowlands will dry sufficiently for replanting and may be diverted to other crops.

Winter wheat condition is slightly lower due to blight, septoria, root rot, mosaic and lack of sunshine. Warm, dry weather will slow these plant diseases. Nitrogen deficiency is quite evident in all small grain fields but this is caused mainly by the low temperatures which have prevented nitrification organisms to function. Wheat is heading over most of the southern part of the State. A heavy freeze on June 1 and 2 in the Panhandle counties caused some loss to vegetable gardens, but the damage to wheat, if any, cannot be determined at this time. Local hail storms in parts of western Nebraska have caused some damage to wheat but, so far, loss from this cause is less than usual.

Wet, cold weather has been detrimental to the oat crop. The condition of both oats and barley is lower. Plants have made very slow growth and the yellow color indicates a lack of nitrogen and sunshine. Crop prospects are rather poor at the present time. Rye is heading over most of the State and should produce an average or above yield.

Sugar beets in the North Platte Valley, particularly in the Bayard area, suffered severely from a storm that hit last week but generally the crop is good. Blocking and thinning is under way and a shortage of labor for this work is reported. Preparation of soil for planting dry beans and potatoes is nearing completion and actual planting operations will start shortly. About 15% of the sorghum has been planted.

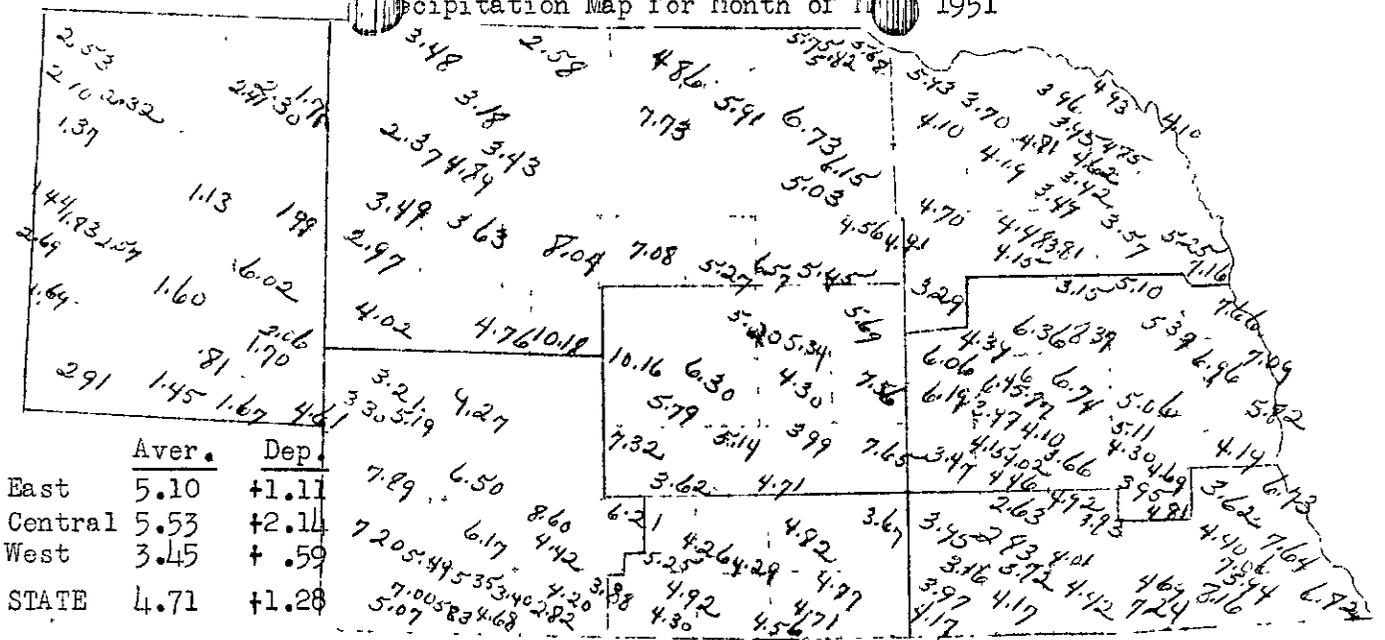
Alfalfa has made very heavy growth and some cutting has started but harvest is behind schedule. Pastures and wild hay improved and are in splendid condition. Pastures are furnishing excellent feed for livestock.

LIVESTOCK Livestock continue in very good condition. There has been a very good percentage calf crop with less than usual death loss. There are more stock sheep on farms than a year ago and the number of lambs saved has been higher than usual. A larger pig crop is expected this spring as compared with a year earlier; however, there has been severe loss of young pigs in some sections of the State.

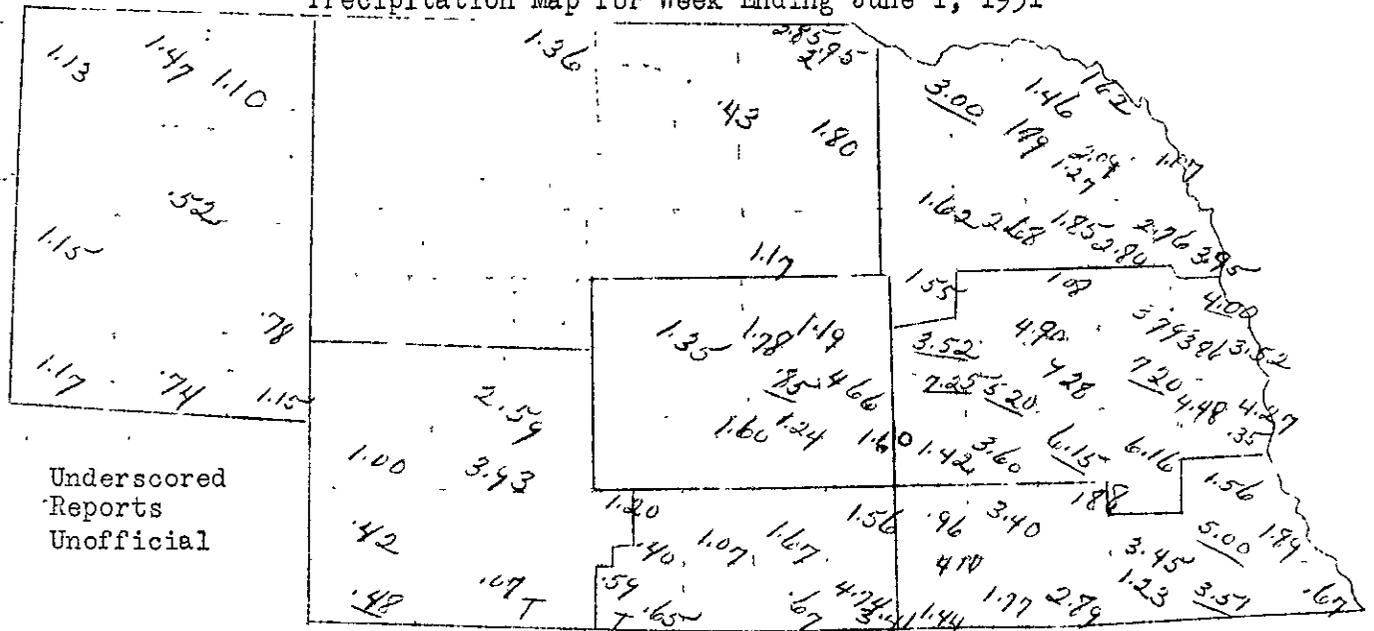
WEATHER BUREAU TELEGRAPHIC REPORT OF PRECIPITATION FOR WEEK ENDING JUNE 4, 1951

| <u>Eastern Division</u> | | <u>Eastern Div., Cont'd.</u> | | <u>Central Division</u> | | <u>Western Division</u> | |
|-------------------------|------|------------------------------|-------|-------------------------|------|-------------------------|------|
| Albion | 1.55 | Hastings | 1.74 | Broken Bow | 1.29 | Alliance | 0.49 |
| Ashland | 4.49 | Lincoln | 6.16 | Burwell | 1.17 | Chadron | 1.47 |
| Auburn | 1.89 | Norfolk | 2.68 | Cambridge | .59 | Culbertson | .07 |
| Beatrice | 3.51 | Oakdale | 1.62 | Holdrege | 1.07 | Imperial | .42 |
| Columbus | 4.90 | Omaha | 3.58 | North Loup | 1.18 | Kimball | 1.17 |
| Fairbury | 2.89 | Red Cloud | 4.74 | North Platte | 2.50 | Scottsbluff | 1.15 |
| Fairmont | 3.40 | St. Paul | 4.66 | O'Neill | 1.80 | Sidney | .74 |
| Falls City | 1.75 | Tekamah | 3.95 | Ravenna | 1.24 | | |
| Fremont | 3.81 | Wakefield | 2.09 | Valentine | 1.36 | | |
| Grand Island | 2.68 | York | 3.63 | | | | |
| Hartington | 1.46 | | | | | | |
| Average this week | | 1500 | 3.20 | | 1.36 | | 0.79 |
| Total since April 1 | | | 11.39 | | 7.77 | | 5.03 |
| Normal since April 1 | | 6-5-51 | 7.11 | | 6.18 | | 5.36 |

Precipitation Map for Month of May 1951



Precipitation Map for Week Ending June 1, 1951



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

| | | MAY | | | | JUNE | | | | | | | | | |
|------|--------------|------|-----|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | 29th | | 30th | | 31st | | 1st | | 2nd | | 3rd | | 4th | |
| | | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min |
| NW | Chadron | 87 | 53 | 69 | 48 | 65 | 41 | 47 | 36 | 42 | 33 | 49 | 29 | 54 | 39 |
| | Scottsbluff | 90 | 52 | 68 | 55 | 85 | 42 | 51 | 36 | 39 | 32 | 47 | 33 | 52 | 37 |
| | Sidney | 88 | 53 | 71 | 53 | 87 | 44 | 54 | 38 | 40 | 30 | 49 | 32 | 54 | 33 |
| N-C | Burwell | 77 | 55 | -- | -- | 79 | 58 | 65 | 47 | 55 | 39 | 54 | 41 | 55 | 36 |
| | Valentine | 79 | 56 | 67 | 49 | 65 | 44 | 52 | 40 | 42 | 35 | 47 | 40 | 54 | 40 |
| NE | Norfolk | 79 | 59 | 78 | 56 | 82 | 58 | 76 | 54 | 64 | 48 | 55 | 41 | 51 | 43 |
| | Sioux City | 80 | 57 | 82 | 58 | 85 | 63 | 78 | 59 | 65 | 53 | 65 | 45 | 55 | 44 |
| CEN. | Grand Island | 77 | 60 | 74 | 59 | 82 | 60 | 84 | 55 | 65 | 43 | 59 | 41 | 56 | 38 |
| E-C | Lincoln | 78 | 61 | 79 | 60 | 84 | 64 | 91 | 65 | 73 | 55 | 64 | 45 | 58 | 44 |
| | Omaha | 79 | 59 | 82 | 58 | 85 | 62 | 87 | 65 | 78 | 63 | 65 | 47 | 55 | 42 |
| SW | North Platte | 81 | 57 | 71 | 53 | 79 | 59 | 74 | 46 | 50 | 36 | 57 | 39 | 56 | 37 |

(Issued by the Weather Bureau and the State and Federal Departments of Agriculture)

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