

NEBRASKA WEATHER & CROPS

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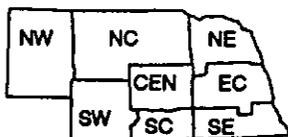
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NEBRASKA AGRICULTURAL STATISTICS SERVICE

For Week Ending July 14, 1991

Issue: 18-91 Phone: (402) 437-5541 P.O. Box 81069
Released: 7/15/91 - 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 mild. Temperatures averaged from one degree below normals in the Panhandle to three to five degrees below normals across the remainder of the State. Precipitation occurred midweek with amounts varying from .18 inch in the Southwest up to 5.45 inches at Grand Island.

GENERAL

Nebraska farmers and ranchers had only limited weather delays in conducting fieldwork activities last week, according to the Nebraska Agricultural Statistics Service. Portions of the State received timely rains, while some areas received more severe rains and other areas continue to be bypassed by storm systems. Irrigators in areas receiving abundant rain have shut down their watering systems. Otherwise, irrigation activities continue. Crop development continues ahead of normal where warm temperatures, high humidity, and moisture have been available. Many dryland crops continue to experience stress from the recent hot, dry, windy weather. Other fieldwork activities included corn borer treatment, cultivating, and harvesting of wheat, oats, wild hay, and alfalfa.

CROPS

Winter wheat harvest made good progress last week with 75% completed by week's end. This remains ahead of last year at 68% and the 5-year average at 71%. Some rain delays were experienced in a few areas. Harvest

CROPS (Cont.)

has begun in the Panhandle but most of the producers there were waiting for the crop to fully ripen.

Corn condition was rated at 2% poor, 15% fair, 68% good, and 15% excellent. Corn borer treatment activities continued statewide. Crop development is progressing well ahead of normal with some fields into the dough stage. Dryland corn continues to show stress and is in need of rainfall. Some late planted and replanted fields, without irrigation, were showing considerable stress.

Sorghum and soybeans were both in mostly good condition. Cultivating and chemical weed control on both crops continued. Sorghum has begun heading out, mainly in the eastern-most districts.

Alfalfa was in fair to good condition. Second cutting remained behind last year and average. Some reports indicate a short harvest. Wild hay was rated in mostly good condition. Wild hay harvest was active statewide last week.

LIVESTOCK

Pasture and range condition was rated at 88% of normal, in the good to excellent category. The hot, dry, windy conditions were stressing many rangelands but reports were still showing areas with above normal conditions. Cattle continue to do well on pastures. A few producers are finding it necessary to supplement hay to cattle on pastures or are moving cattle to prolong grass usage. Flies are becoming more of a problem on pastures and in feedlots. Control measures are being conducted.

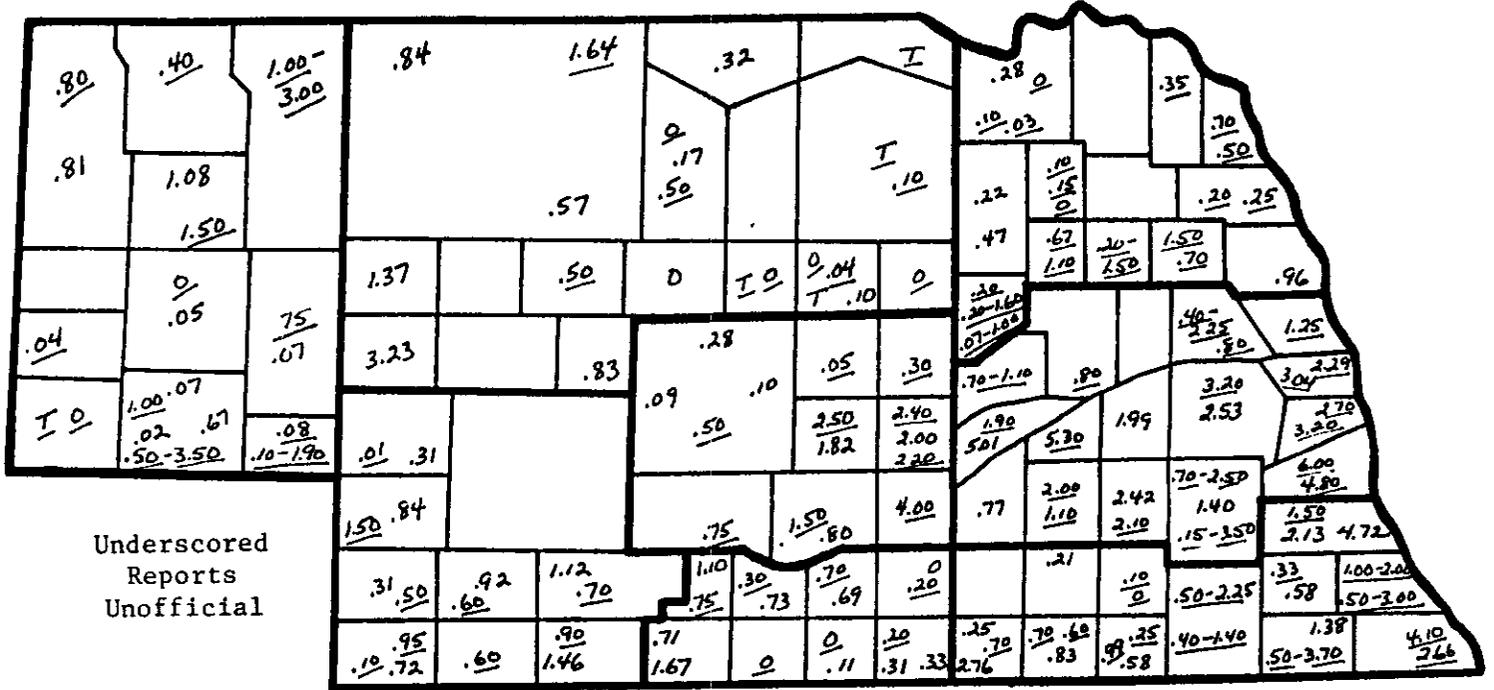
| FIELD WORK PROGRESS AS OF JULY 14, 1991 | AGRICULTURAL STATISTICS DISTRICTS | | | | | | | | STATE | LAST WEEK | LAST YEAR | AVERAGE |
|---|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|-------|-----------|-----------|---------|
| | NW | NC | NE | C | EC | SW | SC | SE | | | | |
| % wheat ripe | 50 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 84 | 74 | 83 | 90 |
| % wheat harvested | 27 | 77 | 70 | 100 | 97 | 100 | 100 | 100 | 75 | 55 | 68 | 71 |
| % oats harvested | 11 | 39 | 41 | 68 | 61 | 76 | 98 | 87 | 51 | 21 | 30 | 47 |
| % corn silked | 2 | 9 | 26 | 45 | 71 | 20 | 51 | 96 | 47 | 8 | 9 | 29 |
| % sorghum headed | 3 | 1 | 14 | 0 | 7 | 0 | 0 | 7 | 6 | 0 | 0 | 3 |
| % soybeans blooming | 0 | 25 | 25 | 28 | 45 | 18 | 20 | 67 | 41 | 24 | 11 | 39 |
| % alfalfa second cutting | 13 | 47 | 39 | 42 | 70 | 41 | 76 | 68 | 45 | 22 | 53 | 59 |
| DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF JULY 12, 1991 | | | | | | | | | | | | |
| Days suitable | 6.0 | 6.4 | 6.1 | 4.8 | 4.1 | 6.3 | 6.1 | 4.5 | 5.5 | 6.6 | 6.6 | |
| Topsoil moisture - Short (Percent) | 47 | 62 | 68 | 35 | 11 | 64 | 90 | 50 | 51 | 66 | 59 | |
| - Adequate | 53 | 38 | 32 | 36 | 72 | 36 | 10 | 50 | 43 | 33 | 37 | |
| - Surplus | 0 | 0 | 0 | 29 | 17 | 0 | 0 | 0 | 6 | 1 | 4 | |
| Subsoil moisture - Short (Percent) | 13 | 38 | 18 | 31 | 6 | 46 | 42 | 78 | 33 | 32 | 48 | |
| - Adequate | 87 | 62 | 82 | 69 | 83 | 54 | 58 | 22 | 65 | 66 | 52 | |
| - Surplus | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 2 | 2 | 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.

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P.O. Box 81069
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PRECIPITATION MAP FOR WEEK ENDING FRIDAY, JULY 12, 1991



Underscored Reports
Unofficial

| | Precipitation, April 1 - July 12, 1991 | | | | | | | |
|----------------------------|--|-------|-------|-------|-------|-------|-------|-------|
| | NW | NC | NE | CEN | EC | SW | SC | SE |
| Total past week | .40 | .74 | .48 | .86 | 2.35 | .81 | .63 | 1.49 |
| Total since April 1 | 10.55 | 11.05 | 12.70 | 11.63 | 15.76 | 10.79 | 11.38 | 10.68 |
| Normal since April 1 | 8.75 | 10.27 | 11.73 | 11.09 | 12.31 | 9.36 | 11.05 | 12.59 |
| Total as % of normal | 121% | 108% | 108% | 105% | 128% | 115% | 103% | 85% |

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA,
WEEK ENDING SUNDAY, JULY 14, 1991

| Station | Temperature | | | | Precipitation Total Inches 1/ | Growing Degree Data Since April 15 | | |
|------------------|-------------|-----|------|-----------|-------------------------------------|---------------------------------------|---------|--------|
| | Extremes | | Mean | Departure | | Last Week | Current | Normal |
| | Max | Min | | | | | | |
| NW Chadron | 95 | 53 | 72 | --- | .73 | --- | --- | --- |
| Scottsbluff | 96 | 56 | 73 | -1 | .35 | 1105 | 1253 | 1242 |
| Sidney | 90 | 56 | 72 | --- | --- | 1074 | 1222 | 1228 |
| NC Valentine | 94 | 49 | 71 | -3 | 1.64 | 1219 | 1359 | 1248 |
| NE Norfolk | 90 | 54 | 71 | -5 | .70 | --- | --- | --- |
| Sioux City | 83 | 57 | 72 | -4 | .49 | --- | --- | --- |
| Concord | --- | --- | --- | --- | --- | 1321 | 1461 | 1451 |
| Elgin | --- | --- | --- | --- | --- | 1334 | 1476 | 1398 |
| West Point* | --- | --- | --- | --- | --- | 1431 | 1575 | 1489 |
| CEN Grand Island | 89 | 54 | 72 | -5 | 5.45 | 1444 | 1597 | 1458 |
| Ord | 93 | 51 | 72 | --- | --- | 1349 | 1494 | 1453 |
| EC Lincoln | 88 | 57 | 74 | -4 | 2.52 | 1563 | 1727 | 1527 |
| Omaha | 84 | 60 | 72 | -4 | 3.04 | 1543 | 1700 | 1457 |
| Columbus | --- | --- | --- | --- | --- | 1528 | 1676 | 1494 |
| York | --- | --- | --- | --- | --- | 1476 | 1631 | 1547 |
| SW Imperial | 88 | 54 | 72 | --- | .43 | --- | --- | --- |
| North Platte | 91 | 52 | 71 | -3 | .18 | **1220 | **1365 | **1374 |
| SC Holdrege | --- | --- | --- | --- | --- | 1369 | 1526 | 1514 |
| SE Beatrice | --- | --- | --- | --- | --- | 1539 | 1702 | 1642 |
| Clay Center | --- | --- | --- | --- | --- | 1450 | 1606 | 1547 |

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.