

# WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration,  
National Weather Service

U.S. DEPARTMENT OF AGRICULTURE  
National Agricultural Statistics Service and  
World Agricultural Outlook Board

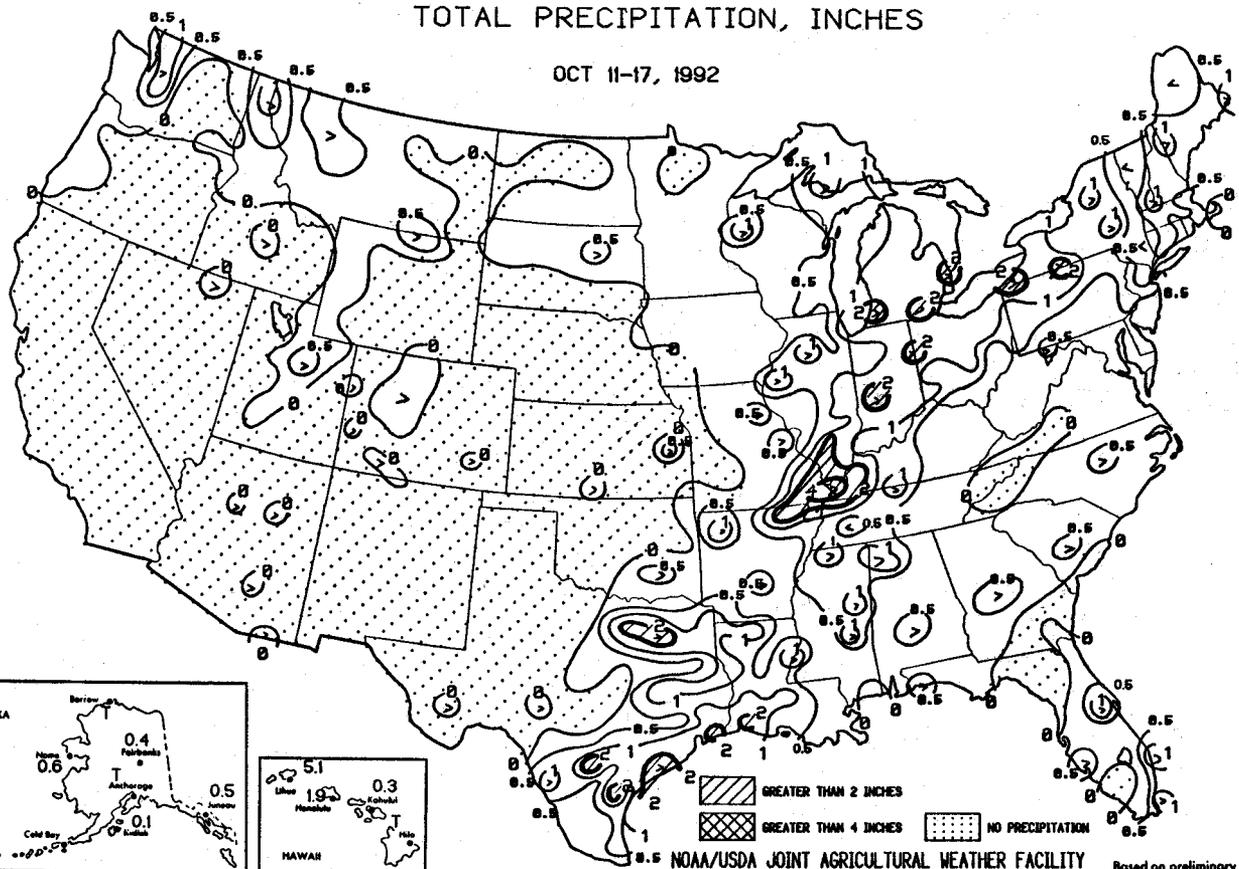
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October 20, 1992

## TOTAL PRECIPITATION, INCHES

OCT 11-17, 1992



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

Based on preliminary reports

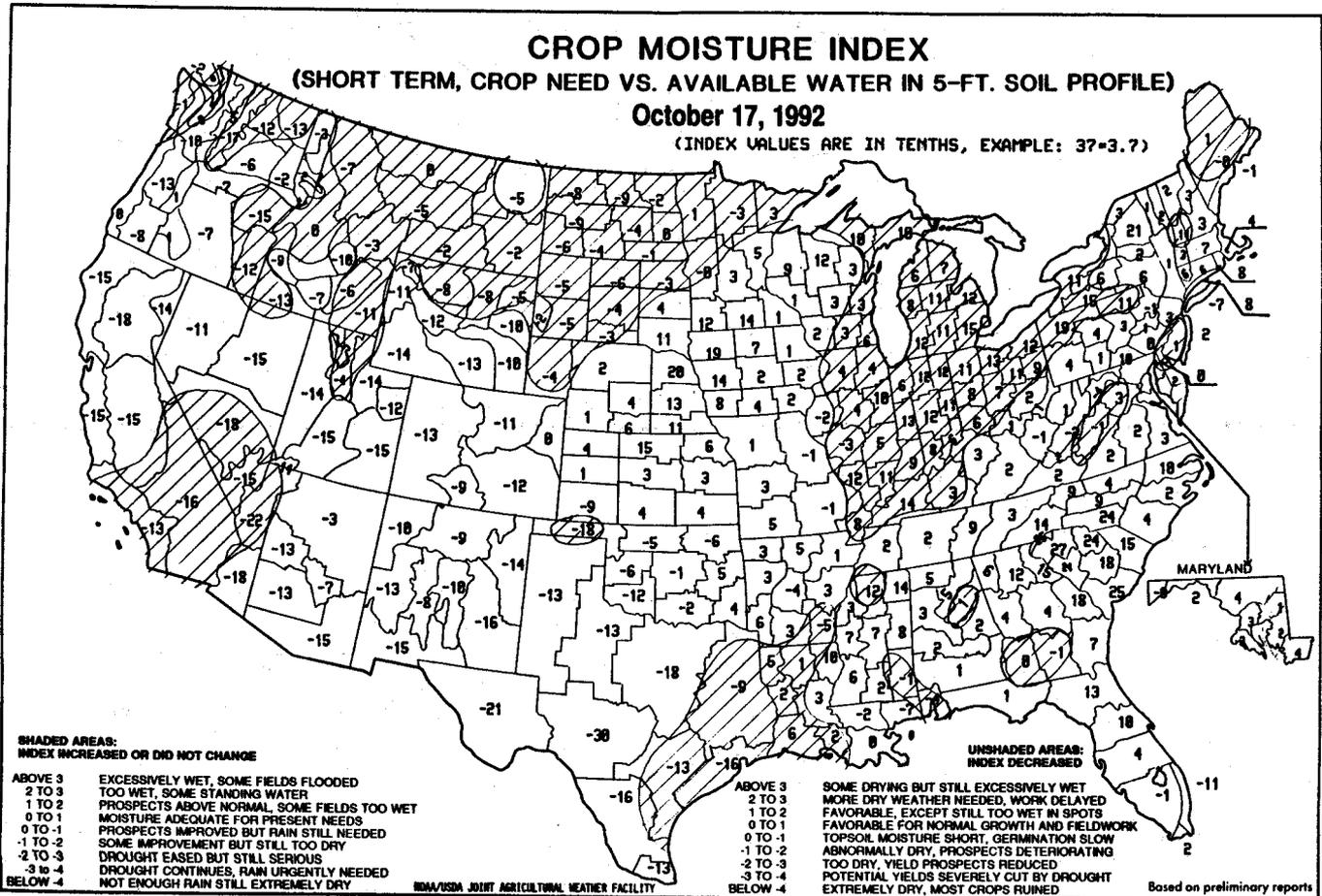
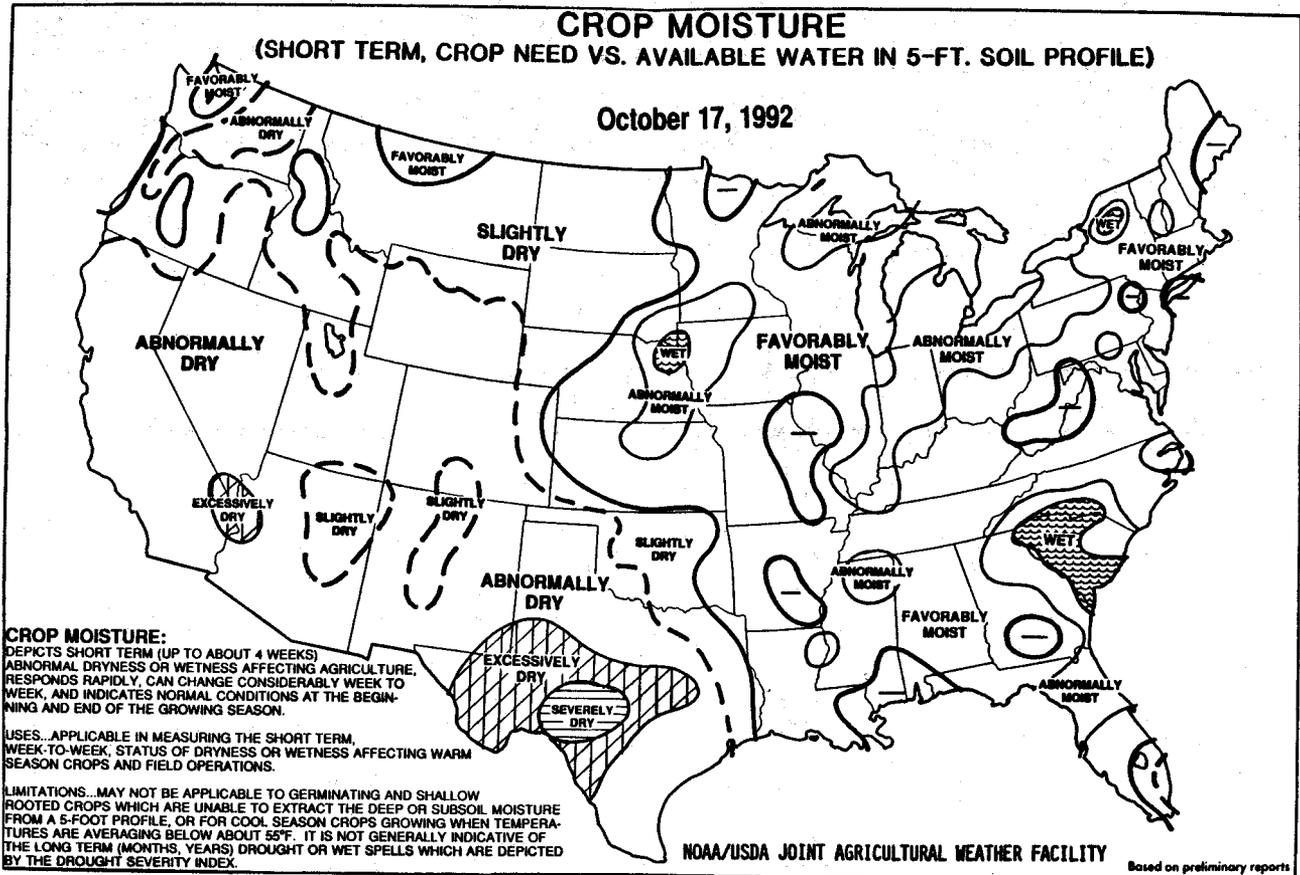
## HIGHLIGHTS

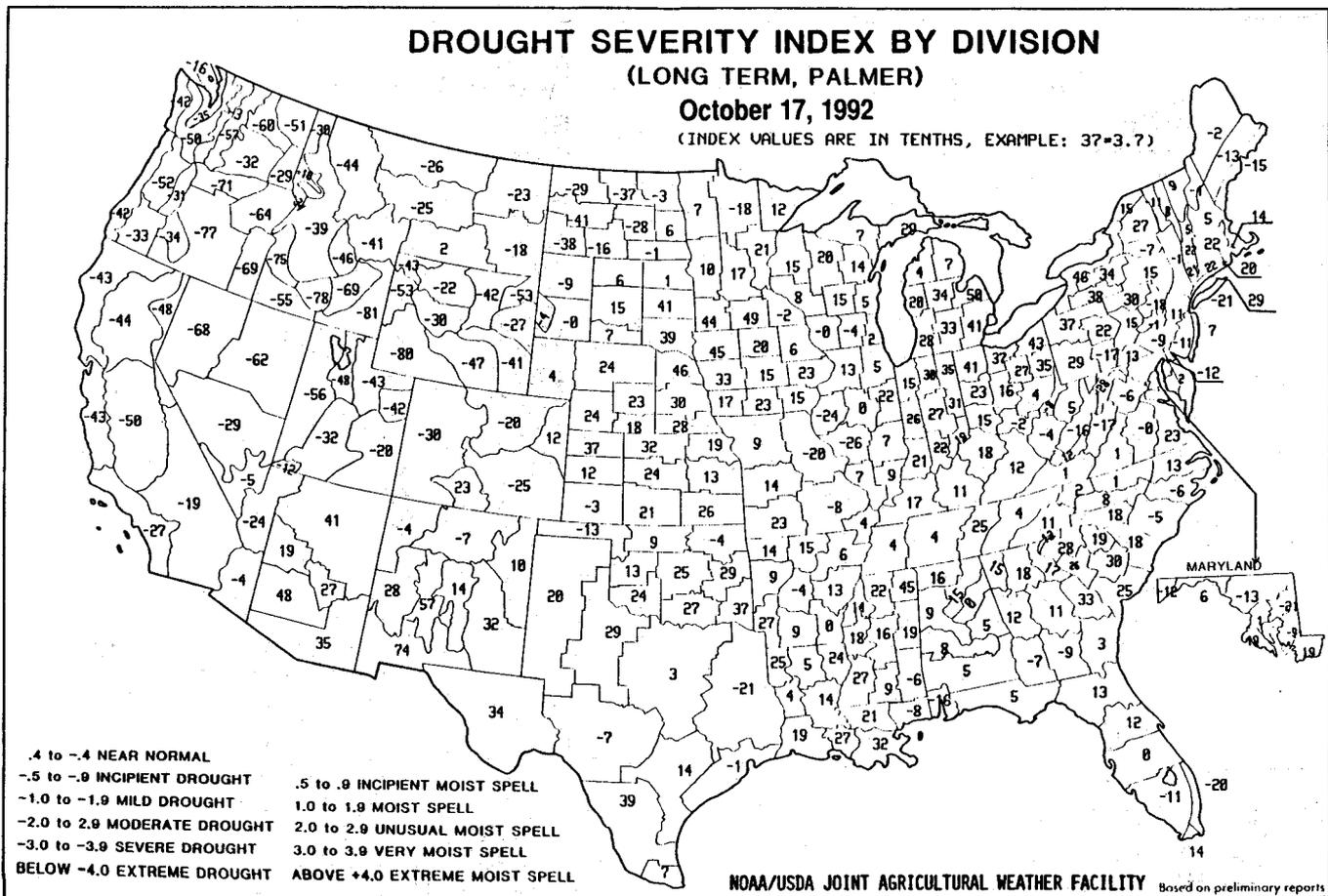
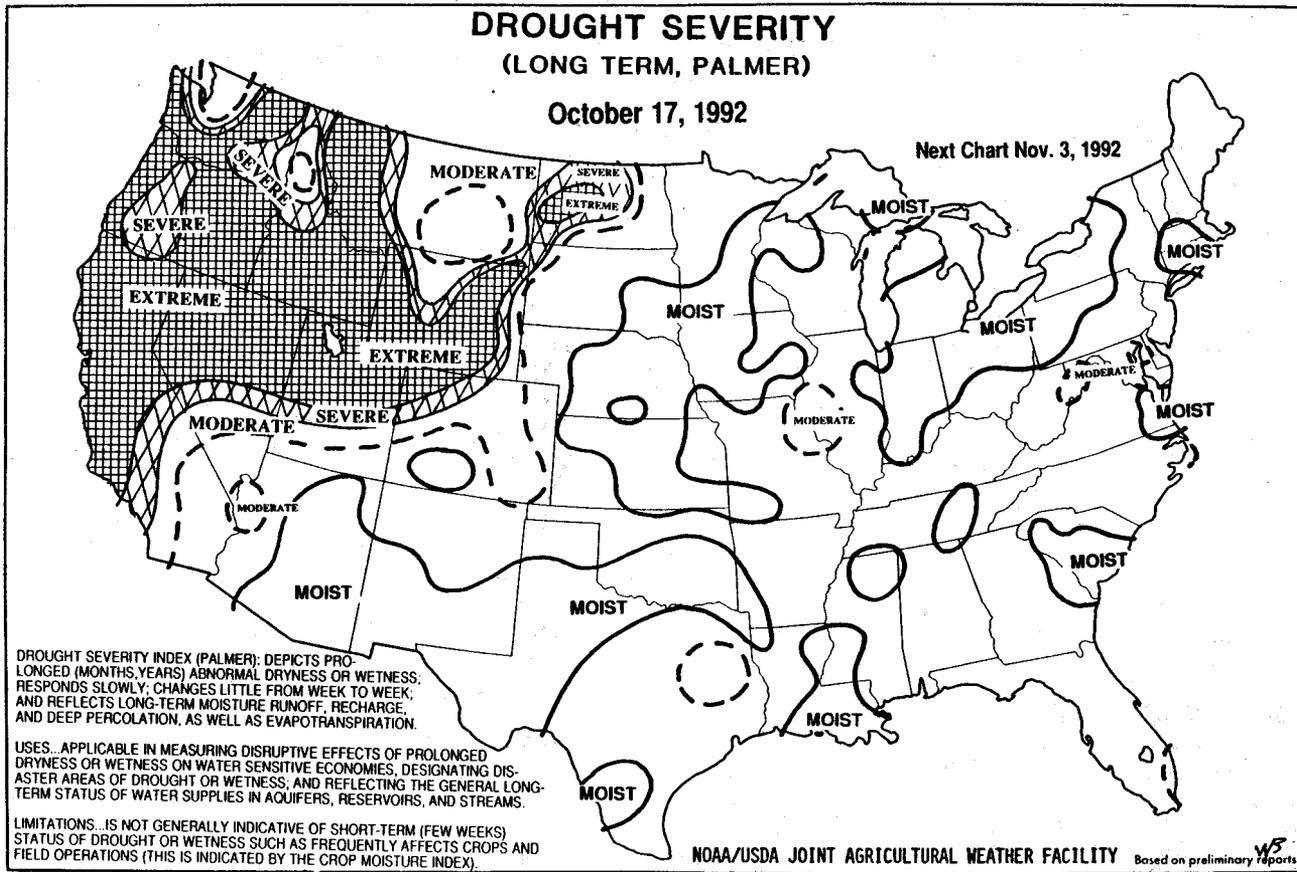
October 11 - 17, 1992

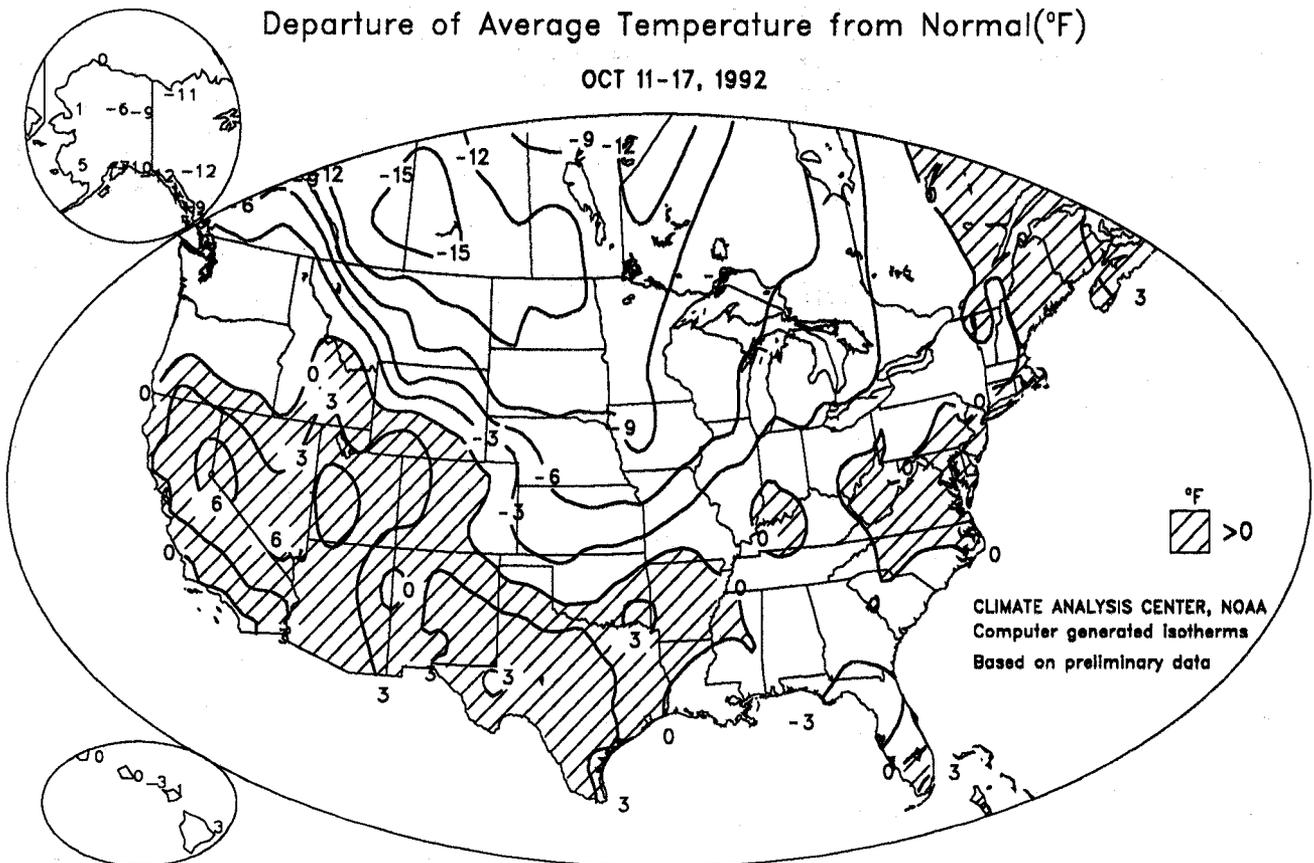
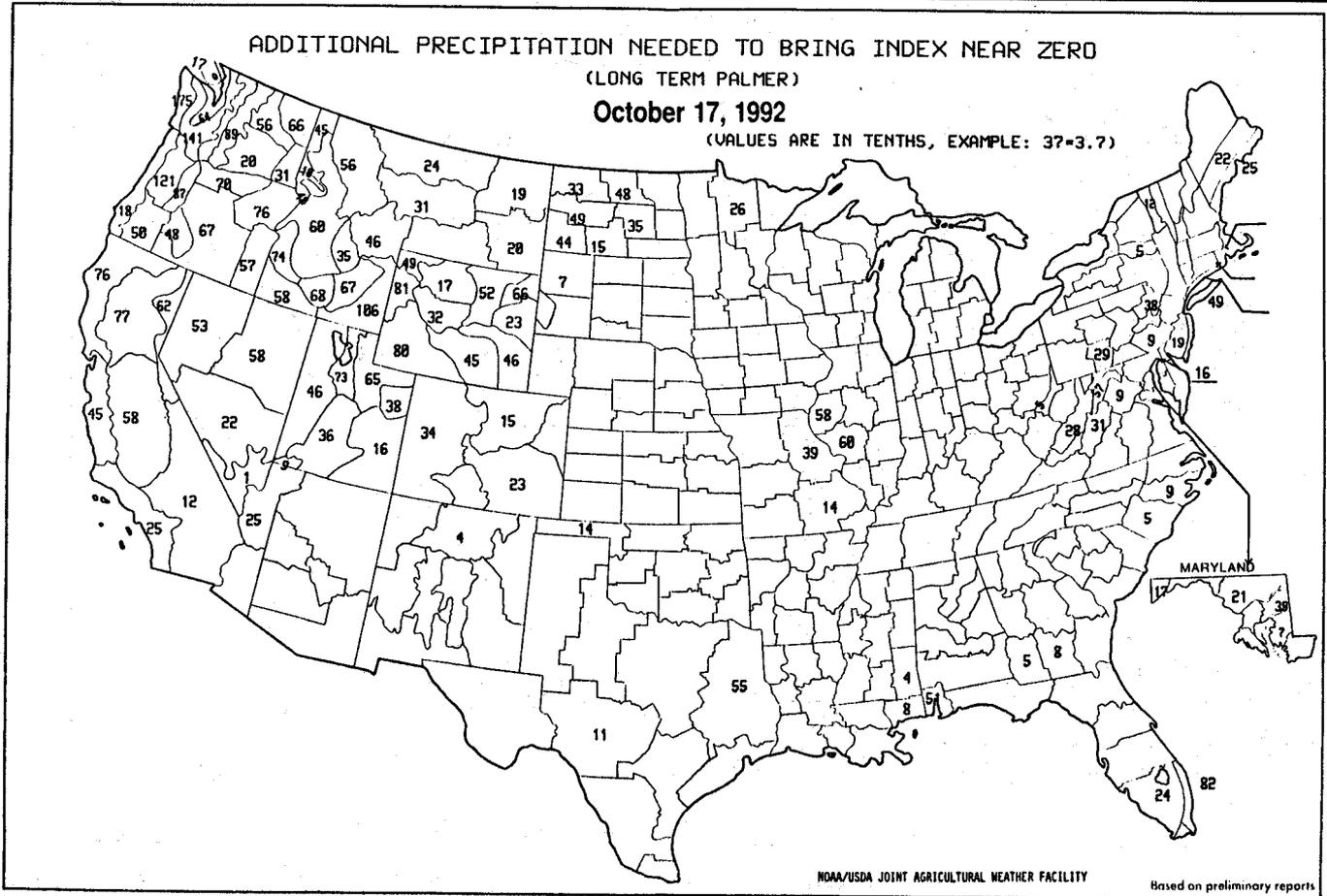
Another winter-like storm system pulled cold air out of western Canada, ending the growing season across most of the Corn Belt. The storm delivered snow to the North Central States, and produced rain from the Great Lakes States to eastern Texas. Early in the week, cool but tranquil weather prevailed in the wake of last week's storm. Widespread warmth was confined to the Southwest, where weekly temperatures averaged up to 8°F above normal. Outside the contiguous United States, eastern Alaska experienced another bitterly cold week, with temperatures up to 12°F below normal. In Hawaii, early-week heavy rains caused local flooding. Rainfall topped 5 inches in Lihue (Kauai island), HI. At midweek, a cold front plunged into the Northwestern States. Snowfall reached 5 inches in Helena, MT, and Sheridan, WY. A low of 19°F in Spokane, WA, on Thursday burned back emerging (Continued to back cover)

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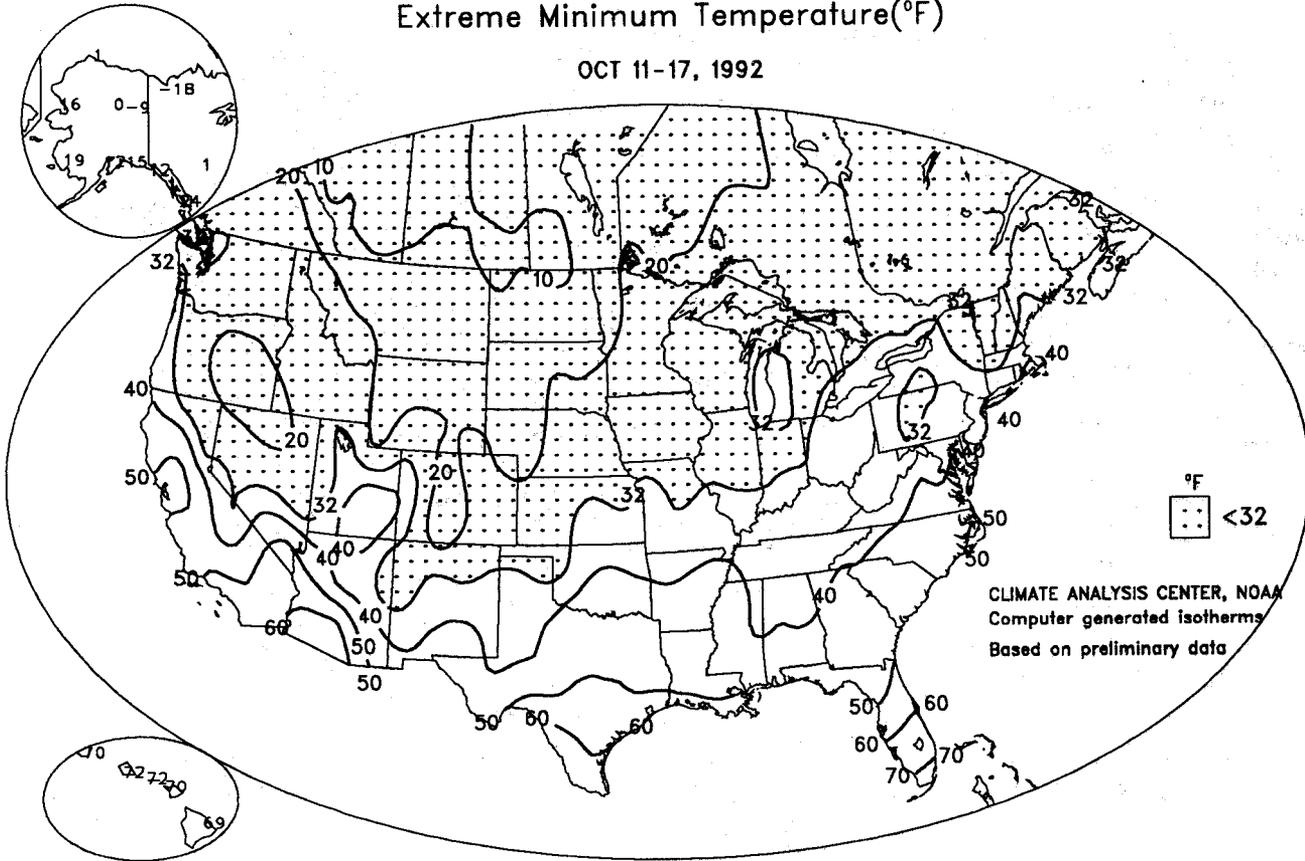






Extreme Minimum Temperature(°F)

OCT 11-17, 1992



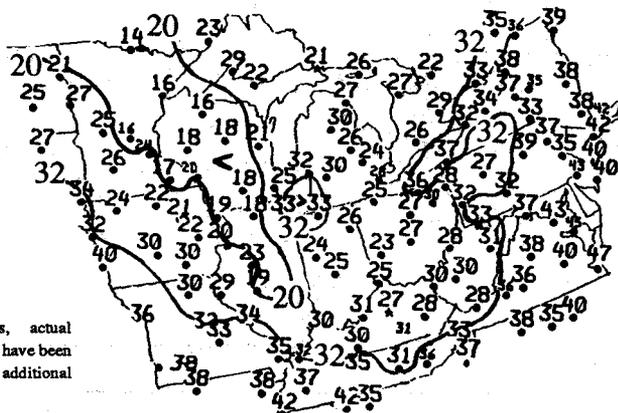
CLIMATE ANALYSIS CENTER, NOAA  
Computer generated isotherms  
Based on preliminary data

Freeze Ends the Corn Belt Growing Season

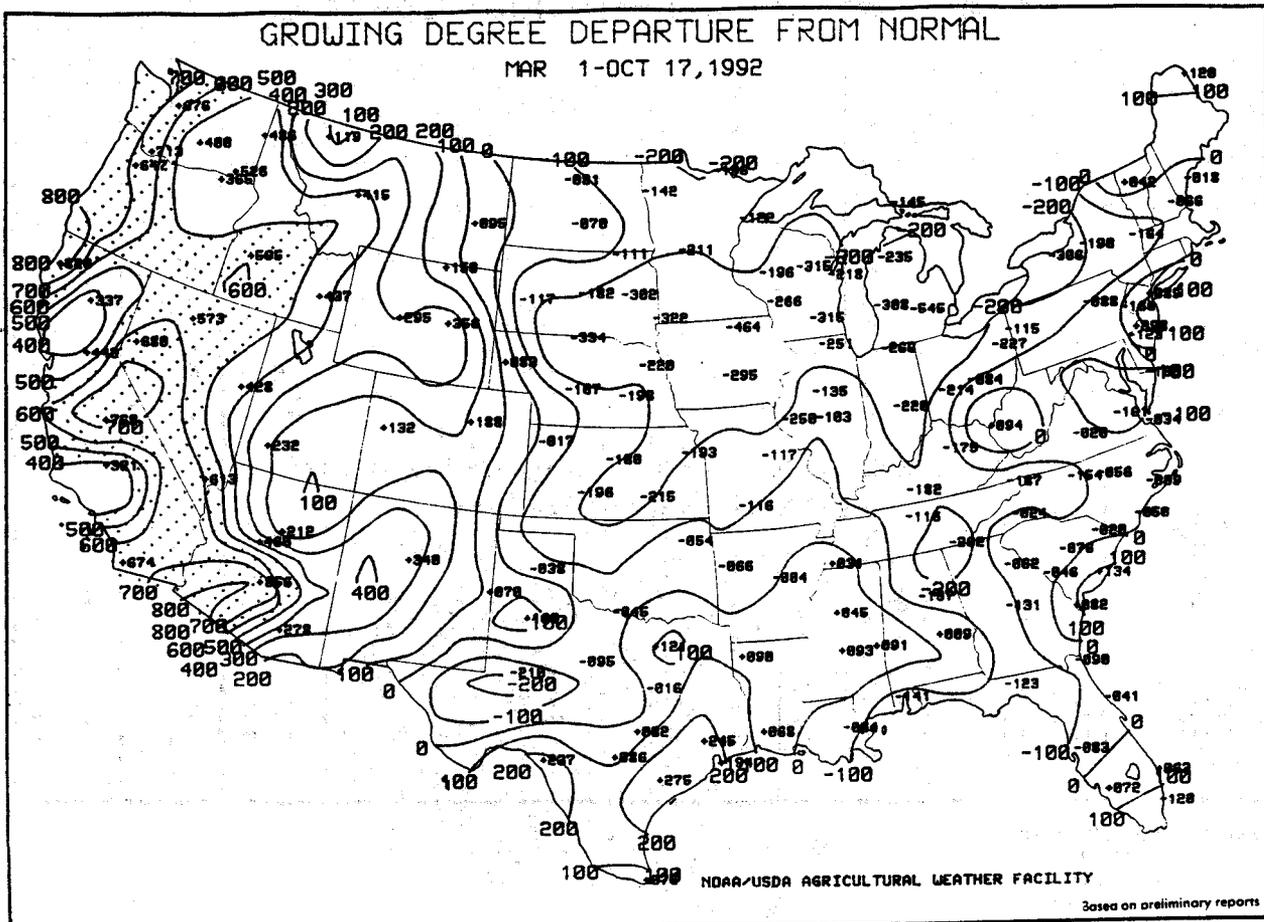
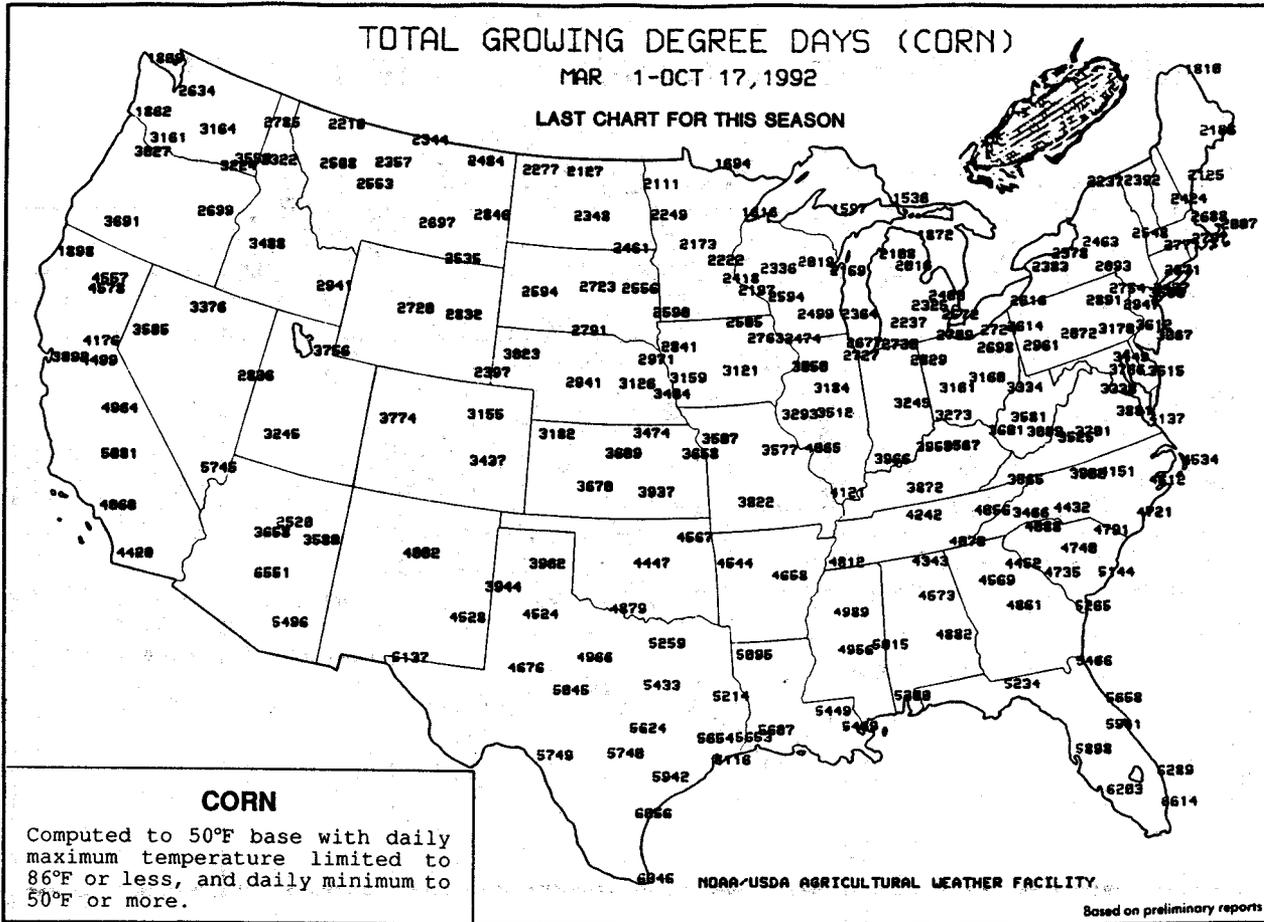
Sub-freezing temperatures overspread the Corn Belt on Monday, October 19, ending the growing season in areas that escaped the previous cold outbreaks of September 28-29 and October 17. In most cases across the eastern Corn Belt, the sub-32°F readings occurred within a week of the normal date for the first fall freeze. However, the intensity of this cold snap was sufficient to produce more than a dozen daily record lows in locations such as Rockford, IL (18°F), Springfield, IL (19°F), and Mansfield, OH (27°F). In many cases, records that were broken dated from the morning of October 19, 1972.

The cold outbreak of September 28-29 brought sub-freezing temperatures to the eastern Dakotas, Minnesota, northern Iowa, and much of Wisconsin. But the remainder of the Corn Belt benefited from nearly 3 additional weeks of freeze-free weather. On October 8, the Corn Belt escaped a freeze when a cold airmass plunged southward, instead delivering the first killing freeze to Colorado, northern New Mexico, and northwestern Texas. But by October 17, a new surge of chilly air pushed the freeze line through the northern halves of Missouri and Illinois. Two days later, temperatures fell into the 20's across the entire eastern Corn Belt.

Minimum Temperatures (°F) through 8 a.m. EDT  
Monday, October 19, 1992



NOTE: In some cases, actual minimum temperatures may have been slightly lower due to additional cooling after 8 a.m. EDT.



# National Weather Data for Selected Cities

Weather Data for the Week Ending October 17, 1992

| STATES<br>AND<br>STATIONS | TEMPERATURE °F     |                    |                 |                |         |                          | PRECIPITATION        |                          |                             |                             |                             |                            | RELATIVE HUMIDITY, PERCENT |                    | NUMBER OF DAYS     |              |              |                     |   |                     |   |
|---------------------------|--------------------|--------------------|-----------------|----------------|---------|--------------------------|----------------------|--------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|----------------------------|--------------------|--------------------|--------------|--------------|---------------------|---|---------------------|---|
|                           | AVERAGE<br>MAXIMUM | AVERAGE<br>MINIMUM | EXTREME<br>HIGH | EXTREME<br>LOW | AVERAGE | DEPARTURE<br>FROM NORMAL | WEEKLY<br>TOTAL, IN. | DEPARTURE<br>FROM NORMAL | GREATEST IN<br>24-HOUR, IN. | TOTAL, IN.,<br>SINCE Sept 1 | PCT. NORMAL<br>SINCE Sept 1 | TOTAL, IN.,<br>SINCE Jan 1 | PCT. NORMAL<br>SINCE Jan 1 | AVERAGE<br>MAXIMUM | AVERAGE<br>MINIMUM | 90 AND ABOVE | 32 AND BELOW | .01 INCH<br>OR MORE |   | .50 INCH<br>OR MORE |   |
|                           |                    |                    |                 |                |         |                          |                      |                          |                             |                             |                             |                            |                            |                    |                    |              |              | 1                   | 2 | 1                   | 2 |
| AL BIRMINGHAM             | 74                 | 47                 | 82              | 38             | 61      | -2                       | .1                   | -.5                      | .1                          | 7.6                         | 132                         | 43.1                       | 96                         | 99                 | 47                 | 0            | 0            | 1                   | 0 |                     |   |
| MOBILE                    | 79                 | 55                 | 83              | 44             | 67      | -2                       | .1                   | -.5                      | .1                          | 3.9                         | 49                          | 52.2                       | 96                         | 98                 | 48                 | 0            | 0            | 1                   | 0 |                     |   |
| MONTGOMERY                | 78                 | 48                 | 85              | 38             | 63      | -3                       | .5                   | -.0                      | .4                          | 3.5                         | 58                          | 46.9                       | 116                        | 98                 | 43                 | 0            | 0            | 3                   | 0 |                     |   |
| AK ANCHORAGE              | 35                 | 20                 | 39              | 15             | 28      | -7                       | -.7                  | -.3                      | 3.8                         | 109                         | 11.4                        | 94                         | 89                         | 49                 | 0                  | 7            | 1            | 0                   | 0 |                     |   |
| BARROW                    | 22                 | 10                 | 28              | 2              | 16      | 1                        | -.1                  | -.1                      | .6                          | 64                          | 2.2                         | 56                         | 92                         | 74                 | 0                  | 7            | 2            | 0                   | 0 |                     |   |
| FAIRBANKS                 | 29                 | 15                 | 35              | 1              | 22      | -4                       | -.4                  | -.2                      | 2.1                         | 138                         | 10.5                        | 121                        | 94                         | 63                 | 0                  | 7            | 3            | 0                   | 0 |                     |   |
| JUNEAU                    | 40                 | 27                 | 44              | 21             | 34      | -8                       | -.6                  | -.3                      | 15.7                        | 146                         | 63.7                        | 159                        | 93                         | 48                 | 0                  | 5            | 3            | 0                   | 0 |                     |   |
| KODIAK                    | 47                 | 35                 | 51              | 28             | 41      | 0                        | -.1                  | -.1                      | 3.5                         | 35                          | 43.7                        | 94                         | 86                         | 61                 | 0                  | 3            | 2            | 0                   | 0 |                     |   |
| NOME                      | 34                 | 26                 | 38              | 12             | 30      | 2                        | -.6                  | -.3                      | 3.0                         | 98                          | 10.3                        | 82                         | 94                         | 72                 | 0                  | 6            | 3            | 0                   | 0 |                     |   |
| AZ PHOENIX                | 96                 | 67                 | 102             | 65             | 82      | 8                        | .0                   | -.1                      | .0                          | 3                           | 10.9                        | 204                        | 32                         | 11                 | 7                  | 0            | 0            | 0                   | 0 |                     |   |
| PRESCOTT                  | 80                 | 45                 | 84              | 43             | 62      | 5                        | .0                   | -.2                      | .0                          | 1                           | 17.5                        | 162                        | 53                         | 15                 | 0                  | 0            | 0            | 0                   | 0 |                     |   |
| TUCSON                    | 93                 | 58                 | 99              | 56             | 75      | 5                        | .0                   | -.2                      | .0                          | .9                          | 52                          | 13.0                       | 141                        | 35                 | 10                 | 6            | 0            | 0                   | 0 |                     |   |
| YUMA                      | 96                 | 69                 | 100             | 65             | 83      | 6                        | .0                   | -.1                      | .0                          | .0                          | 0                           | 3.5                        | 192                        | 68                 | 22                 | 7            | 0            | 0                   | 0 |                     |   |
| AR FORT SMITH             | 79                 | 51                 | 88              | 40             | 65      | 2                        | .0                   | -.7                      | .0                          | 6.9                         | 141                         | 36.8                       | 115                        | 89                 | 39                 | 0            | 0            | 0                   | 0 |                     |   |
| LITTLE ROCK               | 77                 | 54                 | 84              | 43             | 66      | 2                        | .0                   | -.6                      | .0                          | 3.3                         | 57                          | 35.5                       | 90                         | 69                 | 42                 | 0            | 0            | 1                   | 0 |                     |   |
| CA BAKERSFIELD            | 86                 | 56                 | 95              | 52             | 71      | 2                        | .0                   | -.1                      | .0                          | .0                          | 5.7                         | 138                        | 64                         | 31                 | 3                  | 0            | 0            | 0                   | 0 |                     |   |
| EUREKA                    | 61                 | 49                 | 71              | 44             | 55      | 0                        | .0                   | -.6                      | .0                          | .6                          | 27                          | 15.9                       | 64                         | 94                 | 72                 | 0            | 0            | 0                   | 0 |                     |   |
| FRESNO                    | 85                 | 54                 | 94              | 52             | 70      | 5                        | .0                   | -.1                      | .0                          | .0                          | 9.2                         | 126                        | 81                         | 31                 | 3                  | 0            | 0            | 0                   | 0 |                     |   |
| LOS ANGELES               | 71                 | 61                 | 73              | 58             | 66      | -1                       | .0                   | -.0                      | .0                          | .0                          | 11.9                        | 139                        | 92                         | 68                 | 0                  | 0            | 0            | 0                   | 0 |                     |   |
| REDDING                   | 87                 | 51                 | 99              | 46             | 69      | 2                        | .0                   | -.4                      | .0                          | .3                          | 15                          | 20.5                       | 75                         | 74                 | 19                 | 3            | 0            | 0                   | 0 |                     |   |
| SACRAMENTO                | 82                 | 53                 | 94              | 49             | 68      | 3                        | .0                   | -.2                      | .0                          | .0                          | 10.1                        | 89                         | 88                         | 33                 | 2                  | 0            | 0            | 0                   | 0 |                     |   |
| SAN DIEGO                 | 73                 | 63                 | 74              | 59             | 68      | 1                        | .0                   | -.1                      | .0                          | .0                          | 10.0                        | 153                        | 86                         | 60                 | 0                  | 0            | 0            | 0                   | 0 |                     |   |
| SAN FRANCISCO             | 72                 | 55                 | 79              | 53             | 63      | 2                        | .0                   | -.2                      | .0                          | .0                          | 13.4                        | 103                        | 90                         | 54                 | 0                  | 0            | 0            | 0                   | 0 |                     |   |
| CO DENVER                 | 71                 | 36                 | 84              | 24             | 54      | 1                        | .0                   | -.2                      | .0                          | .0                          | 13.1                        | 98                         | 69                         | 21                 | 0                  | 2            | 0            | 0                   | 0 |                     |   |
| GRAND JUNCTION            | 75                 | 44                 | 80              | 41             | 60      | 4                        | .0                   | -.2                      | .0                          | .3                          | 26                          | 6.6                        | 104                        | 41                 | 14                 | 0            | 0            | 0                   | 0 |                     |   |
| PUEBLO                    | 74                 | 30                 | 89              | 20             | 52      | -3                       | .0                   | -.2                      | .0                          | .8                          | 60                          | 10.1                       | 104                        | 71                 | 19                 | 0            | 4            | 0                   | 0 |                     |   |
| CT BRIDGEPORT             | 65                 | 50                 | 71              | 43             | 58      | 1                        | .4                   | -.3                      | .4                          | 7.4                         | 146                         | 37.1                       | 114                        | 86                 | 52                 | 0            | 0            | 3                   | 0 |                     |   |
| HARTFORD                  | 62                 | 43                 | 67              | 34             | 52      | 0                        | .6                   | -.2                      | .2                          | 4.1                         | 70                          | 33.2                       | 96                         | 95                 | 55                 | 0            | 0            | 4                   | 0 |                     |   |
| DC WASHINGTON             | 70                 | 50                 | 82              | 43             | 60      | 0                        | 1.3                  | -.4                      | .3                          | 4.7                         | 99                          | 29.4                       | 93                         | 90                 | 48                 | 0            | 0            | 1                   | 0 |                     |   |
| FL APALACHICOLA           | 80                 | 57                 | 91              | 49             | 68      | -2                       | -.1                  | -.7                      | .0                          | 11.2                        | 105                         | 51.5                       | 108                        | 95                 | 53                 | 0            | 0            | 1                   | 0 |                     |   |
| DAYTONA BEACH             | 81                 | 61                 | 85              | 56             | 71      | -3                       | 1.1                  | -1.0                     | .1                          | 11.4                        | 121                         | 43.5                       | 103                        | 95                 | 53                 | 0            | 0            | 1                   | 0 |                     |   |
| JACKSONVILLE              | 81                 | 56                 | 86              | 50             | 69      | -2                       | 1.1                  | -.8                      | .1                          | 16.2                        | 185                         | 61.2                       | 133                        | 97                 | 48                 | 0            | 0            | 1                   | 0 |                     |   |
| KEY WEST                  | 86                 | 76                 | 88              | 74             | 81      | 1                        | 1.4                  | -.3                      | 1.3                         | 9.2                         | 100                         | 33.2                       | 103                        | 90                 | 65                 | 0            | 0            | 2                   | 1 |                     |   |
| MIAMI                     | 88                 | 75                 | 91              | 73             | 81      | 3                        | 1.0                  | -.7                      | .8                          | 8.0                         | 65                          | 41.5                       | 82                         | 90                 | 56                 | 1            | 0            | 3                   | 1 |                     |   |
| ORLANDO                   | 83                 | 64                 | 87              | 58             | 73      | -2                       | 1.1                  | -.5                      | 1.1                         | 12.1                        | 147                         | 49.1                       | 110                        | 94                 | 47                 | 0            | 0            | 1                   | 1 |                     |   |
| TALLAHASSEE               | 82                 | 50                 | 86              | 42             | 66      | -3                       | -.7                  | -.7                      | .0                          | 6.7                         | 82                          | 54.1                       | 98                         | 98                 | 39                 | 0            | 0            | 0                   | 0 |                     |   |
| TAMPA                     | 82                 | 61                 | 86              | 54             | 72      | -3                       | 1.1                  | -.4                      | 1.1                         | 5.2                         | 68                          | 31.6                       | 75                         | 96                 | 47                 | 0            | 0            | 1                   | 0 |                     |   |
| WEST PALM BEACH           | 86                 | 72                 | 91              | 68             | 79      | 1                        | 1.4                  | -.4                      | 1.4                         | 8.8                         | 63                          | 45.7                       | 89                         | 89                 | 56                 | 1            | 0            | 1                   | 1 |                     |   |
| GA ATLANTA                | 74                 | 52                 | 81              | 42             | 63      | 0                        | 1.1                  | -.5                      | 1.1                         | 11.4                        | 253                         | 43.6                       | 110                        | 93                 | 44                 | 0            | 0            | 1                   | 0 |                     |   |
| AUGUSTA                   | 78                 | 49                 | 83              | 42             | 64      | 0                        | 1.1                  | -.3                      | 1.1                         | 8.1                         | 174                         | 42.3                       | 115                        | 99                 | 41                 | 0            | 0            | 1                   | 0 |                     |   |
| MACON                     | 76                 | 50                 | 82              | 42             | 63      | -2                       | 1.1                  | -.3                      | 1.1                         | 5.4                         | 123                         | 44.3                       | 118                        | 94                 | 43                 | 0            | 0            | 2                   | 1 |                     |   |
| SAVANNAH                  | 79                 | 54                 | 84              | 47             | 67      | 0                        | 1.1                  | -.5                      | 1.1                         | 11.9                        | 183                         | 51.7                       | 116                        | 95                 | 45                 | 0            | 0            | 0                   | 0 |                     |   |
| HI HILO                   | 88                 | 71                 | 90              | 69             | 79      | 4                        | 1.9                  | -2.2                     | 1.9                         | 17.9                        | 156                         | 74.7                       | 78                         | 89                 | 57                 | 2            | 0            | 0                   | 0 |                     |   |
| HONOLULU                  | 86                 | 73                 | 88              | 72             | 80      | 0                        | 1.9                  | 1.5                      | 1.2                         | 4.1                         | 278                         | 10.9                       | 69                         | 92                 | 59                 | 0            | 0            | 3                   | 2 |                     |   |
| KAHULUI                   | 87                 | 72                 | 88              | 70             | 80      | 2                        | 1.3                  | 1.1                      | 1.3                         | 2.6                         | 408                         | 10.4                       | 81                         | 90                 | 64                 | 0            | 0            | 1                   | 0 |                     |   |
| LIHUE                     | 82                 | 72                 | 85              | 70             | 77      | 0                        | 5.1                  | 4.1                      | 2.4                         | 6.0                         | 131                         | 22.7                       | 74                         | 94                 | 75                 | 0            | 0            | 6                   | 2 |                     |   |
| ID BOISE                  | 67                 | 36                 | 80              | 21             | 52      | -1                       | 1.0                  | -.2                      | 1.0                         | .5                          | 49                          | 4.7                        | 55                         | 61                 | 20                 | 0            | 2            | 0                   | 0 |                     |   |
| LEWISTON                  | 61                 | 40                 | 75              | 31             | 51      | -1                       | 1.0                  | -.2                      | 1.0                         | 1.0                         | 78                          | 8.5                        | 86                         | 69                 | 32                 | 0            | 1            | 0                   | 0 |                     |   |
| POCATELLO                 | 65                 | 36                 | 80              | 28             | 51      | 2                        | 1.0                  | -.2                      | 1.0                         | .7                          | 59                          | 5.4                        | 64                         | 65                 | 18                 | 0            | 2            | 0                   | 0 |                     |   |
| IL CHICAGO                | 57                 | 39                 | 65              | 28             | 48      | -6                       | 1.3                  | -.9                      | .8                          | 5.9                         | 112                         | 22.0                       | 76                         | 89                 | 50                 | 0            | 2            | 3                   | 2 |                     |   |
| MOLINE                    | 59                 | 40                 | 66              | 25             | 49      | -5                       | 1.2                  | -.5                      | 1.2                         | 5.4                         | 102                         | 28.3                       | 88                         | 88                 | 41                 | 0            | 2            | 1                   | 0 |                     |   |
| PEORIA                    | 62                 | 40                 | 80              | 28             | 51      | -3                       | 1.6                  | -.0                      | 1.6                         | 6.8                         | 132                         | 23.6                       | 79                         | 92                 | 45                 | 0            | 1            | 2                   | 1 |                     |   |
| QUINCY                    | 62                 | 42                 | 80              | 29             | 52      | -4                       | 1.7                  | -.7                      | 1.7                         | 2.6                         | 43                          | 20.1                       | 62                         | 73                 | 39                 | 0            | 1            | 0                   | 0 |                     |   |
| ROCKFORD                  | 56                 | 37                 | 65              | 24             | 46      | -6                       | 1.2                  | -.5                      | 1.2                         | 5.8                         | 109                         | 23.0                       | 74                         | 91                 | 48                 | 0            | 2            | 2                   | 0 |                     |   |
| SPRINGFIELD               | 68                 | 43                 | 87              | 27             | 55      | -1                       | 1.3                  | -.3                      | 1.3                         | 2.0                         | 42                          | 19.9                       | 69                         | 88                 | 36                 | 0            | 1            | 1                   | 0 |                     |   |
| IN EVANSVILLE             | 72                 | 46                 | 85              | 35             | 59      | 1                        | 1.8                  | -.3                      | 1.8                         | 4.0                         | 101                         | 29.7                       | 88                         | 87                 | 35                 | 0            | 0            | 2                   | 1 |                     |   |
| FORT WAYNE                | 63                 | 41                 | 79              | 31             | 52      | -1                       | 1.5                  | -.9                      | 1.1                         | 8.3                         | 211                         | 33.7                       | 119                        | 94                 | 46                 | 0            | 1            | 4                   | 1 |                     |   |
| INDIANAPOLIS              | 66                 | 41                 | 82              | 31             | 54      | -2                       | 1.5                  | 1.0                      | 1.1                         | 5.9                         | 147                         | 34.1                       | 107                        | 92                 | 42                 | 0            | 1            | 2                   | 1 |                     |   |
| SOUTH BEND                | 59                 | 42                 | 72              | 32             | 51      | -3                       | 1.2                  | -.5                      | 1.2                         | 10.2                        | 206                         | 28.9                       | 94                         | 92                 | 51                 | 0            | 1            | 3                   | 1 |                     |   |
| IA DES MOINES             | 57                 | 38                 | 67              | 26             | 48      | -7                       | 1.1                  | -.4                      | 1.1                         | 5.3                         | 123                         | 26.1                       | 96                         | 85                 | 41                 | 0            | 1            | 2                   | 0 |                     |   |
| SIOUX CITY                | 55                 | 35                 | 69              | 28             | 45      | -9                       | 1.7                  | -.4                      | 1.7                         | 6.3                         | 178                         | 28.0                       | 121                        | 90                 | 48                 | 0            | 3            | 1                   | 0 |                     |   |
| WATERLOO                  | 57                 | 36                 | 68              | 22             | 46      | -5                       | 1.1                  | -.5                      | 1.1                         | 2.6                         | 55                          | 23.4                       | 80                         | 88                 | 41                 | 0            | 2            | 1                   | 0 |                     |   |
| KS CONCORDIA              | 60                 | 40                 | 73              | 30             | 50      | -7                       | 1.0                  | -.4                      | 1.0                         | 5.7                         | 139                         | 35.8                       | 145                        | 83                 | 49                 | 0            | 2            | 0                   | 0 |                     |   |
| DODGE CITY                | 68                 | 39                 | 91              | 28             | 53      | -5                       | 1.0                  | -.3                      | 1.0                         | 1.1                         | 42                          | 19.0                       | 102                        | 82                 | 33                 | 1            | 2            | 0                   | 0 |                     |   |
| GOODLAND                  | 67                 | 32                 | 87              | 21             | 49      | -4                       | 1.0                  | -.2                      | 1.0                         | 4.5                         | 232                         | 24.8                       | 167                        | 87                 | 30                 | 0            | 4            | 0                   | 0 |                     |   |
| TOPEKA                    | 68                 | 39                 | 88              | 29             | 54      | -5                       | 1.0                  | -.7                      | 1.0                         | 4.8                         | 94                          | 28.1                       | 96                         | 94                 | 39                 | 0            | 2            | 0                   | 0 |                     |   |
| WICHITA                   | 69                 | 46                 | 89              | 36             | 58      | -2                       | 1.0                  | -.6                      | 1.0                         | 4.5                         | 92                          | 27.7                       | 110                        | 82                 | 42                 | 0            | 0            | 0                   | 0 |                     |   |
| KY BOWLING GREEN          | 71                 | 46                 | 84              | 38             | 59      | 0                        | 1.7                  | -.1                      | 1.7                         | 5.3                         | 113                         | 31.2                       | 79                         | 91                 | 42                 | 0            | 0            | 1                   | 1 |                     |   |
| LEXINGTON                 | 68                 | 45                 | 82              | 36             | 56      | -1                       | 1.2                  | -.3                      | 1.2                         | 4.0                         | 89                          | 43.7                       | 116                        | 86                 | 43                 | 0            | 0            | 1                   | 0 |                     |   |
| LOUISVILLE                | 71                 | 47                 | 85              | 36             | 59      | 1                        | 1.3                  | -.3                      | 1.3                         | 4.3                         | 91                          | 34.2                       | 97                         | 84                 | 37                 | 0            | 0            | 1                   | 0 |                     |   |
| LA BATON ROUGE            | 81                 | 55                 | 88              | 47             | 68      | -1                       | 1.6                  | -.1                      | 1.6                         | 2.2                         | 38                          | 57.0                       | 125                        | 100                | 49                 | 0            | 0            | 2                   | 1 |                     |   |
| LAKE CHARLES              | 79                 | 58                 | 84              | 49             | 68      | -1                       | 1.7                  | -.9                      | 1.3                         | 5.5                         | 71                          | 51.1                       | 118                        | 99                 | 52                 | 0            | 0            | 2                   | 1 |                     |   |
| NEW ORLEANS               | 79                 | 57                 | 84              | 49             | 68      | -1                       | 1.2                  | -.4                      | 1.2                         | 6.8                         | 93                          | 60.7                       | 123                        | 99                 | 51                 | 0            | 0            | 2                   | 0 |                     |   |
| SREVEPORT                 | 81                 | 57                 | 88              | 49             | 69      | 2                        | 1.7                  | -.1                      | 1.7                         | 5.9                         | 126                         | 37.5                       | 107                        | 89                 | 43                 | 0            | 0            | 1                   | 1 |                     |   |

Based on 1951-80 normals.

Weather Data for the Week Ending October 17, 1992

| STATES<br>AND<br>STATIONS | TEMPERATURE °F |         |                    |                 |                |         |                          | PRECIPITATION        |                          |                             |                             |                             |                            |                            | RELATIVE<br>HUMIDITY,<br>PERCENT | NUMBER OF DAYS |         |         |              |              |                     |   |                     |
|---------------------------|----------------|---------|--------------------|-----------------|----------------|---------|--------------------------|----------------------|--------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|----------------------------|----------------------------------|----------------|---------|---------|--------------|--------------|---------------------|---|---------------------|
|                           | AVERAGE        | MAXIMUM | AVERAGE<br>MINIMUM | EXTREME<br>HIGH | EXTREME<br>LOW | AVERAGE | DEPARTURE<br>FROM NORMAL | WEEKLY<br>TOTAL, IN. | DEPARTURE<br>FROM NORMAL | GREATEST IN<br>24-HOUR, IN. | TOTAL, IN.,<br>SINCE Sept 1 | PCT. NORMAL<br>SINCE Sept 1 | TOTAL, IN.,<br>SINCE Jan 1 | PCT. NORMAL<br>SINCE Jan 1 |                                  | AVERAGE        | MAXIMUM | MINIMUM | 90 AND ABOVE | 92 AND BELOW | .01 INCH<br>OR MORE |   | .50 INCH<br>OR MORE |
|                           |                |         |                    |                 |                |         |                          |                      |                          |                             |                             |                             |                            |                            | TEMP. °F                         |                |         |         |              |              | PRECIP.             |   |                     |
| ME CARIBOU                | 53             | 37      | 61                 | 28              | 45             | 1       | .3                       | -.4                  | .1                       | 2.5                         | 48                          | 30.6                        | 107                        | 93                         | 54                               | 0              | 0       | 0       | 3            | 6            | 0                   | 0 |                     |
| PORTLAND                  | 58             | 44      | 63                 | 32              | 51             | 2       | .6                       | -.3                  | .4                       | 4.3                         | 81                          | 30.7                        | 95                         | 95                         | 60                               | 0              | 0       | 1       | 1            | 4            | 0                   | 0 |                     |
| MD BALTIMORE              | 71             | 47      | 85                 | 39              | 59             | 2       | 1.1                      | -.7                  | .7                       | 7.9                         | 155                         | 30.1                        | 89                         | 99                         | 51                               | 0              | 0       | 0       | 0            | 1            | 1                   | 0 |                     |
| SALISBURY                 | 73             | 47      | 83                 | 36              | 60             | 2       | .1                       | -.8                  | .1                       | 7.3                         | 122                         | 36.1                        | 97                         | 97                         | 53                               | 0              | 0       | 0       | 0            | 1            | 0                   | 0 |                     |
| MA BOSTON                 | 62             | 49      | 66                 | 42              | 56             | 1       | .5                       | -.3                  | .4                       | 4.6                         | 89                          | 28.8                        | 86                         | 89                         | 54                               | 0              | 0       | 0       | 0            | 5            | 0                   | 0 |                     |
| CHATHAM                   | 63             | 51      | 65                 | 44              | 57             | 3       | .1                       | -.8                  | .1                       | 2.5                         | 45                          | 29.4                        | 82                         | 92                         | 67                               | 0              | 0       | 0       | 0            | 0            | 0                   | 0 |                     |
| MI ALPENA                 | 51             | 35      | 56                 | 28              | 43             | -5      | 1.3                      | .9                   | 1.0                      | 4.6                         | 110                         | 21.0                        | 88                         | 98                         | 63                               | 0              | 0       | 3       | 3            | 6            | 0                   | 1 |                     |
| DETROIT                   | 60             | 41      | 69                 | 34              | 50             | -2      | 1.2                      | .8                   | .8                       | 7.5                         | 222                         | 30.5                        | 122                        | 91                         | 52                               | 0              | 0       | 0       | 0            | 3            | 4                   | 1 |                     |
| FLINT                     | 58             | 39      | 65                 | 29              | 49             | -2      | 1.4                      | .9                   | .5                       | 4.7                         | 135                         | 30.5                        | 128                        | 94                         | 56                               | 0              | 0       | 2       | 2            | 4            | 2                   | 2 |                     |
| GRAND RAPIDS              | 54             | 40      | 59                 | 31              | 47             | -5      | 1.2                      | .6                   | .9                       | 7.5                         | 159                         | 32.7                        | 121                        | 94                         | 57                               | 0              | 0       | 1       | 5            | 3            | 1                   | 1 |                     |
| HOUGHTON LAKE             | 49             | 39      | 54                 | 34              | 44             | -3      | 1.3                      | .8                   | 1.2                      | 6.1                         | 152                         | 22.4                        | 98                         | 92                         | 65                               | 0              | 0       | 0       | 0            | 3            | 1                   | 1 |                     |
| LANSING                   | 57             | 38      | 64                 | 28              | 48             | -3      | 1.2                      | .8                   | .8                       | 5.1                         | 128                         | 28.5                        | 118                        | 94                         | 58                               | 0              | 0       | 2       | 3            | 3            | 1                   | 1 |                     |
| MARQUETTE                 | 44             | 31      | 58                 | 23              | 37             | -8      | 1.5                      | .8                   | .8                       | 5.0                         | 87                          | 24.3                        | 79                         | 91                         | 62                               | 0              | 0       | 5       | 5            | 3            | 1                   | 1 |                     |
| MUSKEGON                  | 54             | 45      | 60                 | 39              | 50             | -2      | 1.1                      | .5                   | .8                       | 5.2                         | 118                         | 20.0                        | 81                         | 84                         | 51                               | 0              | 0       | 0       | 0            | 3            | 1                   | 1 |                     |
| SAULT ST. MARIE           | 46             | 35      | 50                 | 29              | 40             | -5      | 1.7                      | 1.1                  | .7                       | 8.2                         | 151                         | 26.6                        | 101                        | 93                         | 78                               | 0              | 0       | 1       | 6            | 3            | 1                   | 1 |                     |
| MN ALEXANDRIA             | 46             | 30      | 67                 | 22              | 38             | -9      | .1                       | -.4                  | .1                       | 1.4                         | 42                          | 16.8                        | 76                         | 85                         | 43                               | 0              | 0       | 4       | 1            | 0            | 0                   | 0 |                     |
| DULUTH                    | 43             | 30      | 60                 | 23              | 37             | -8      | .2                       | -.3                  | .1                       | 5.0                         | 111                         | 25.6                        | 100                        | 82                         | 45                               | 0              | 0       | 6       | 3            | 0            | 0                   | 0 |                     |
| INT'L FALLS               | 43             | 25      | 64                 | 20              | 34             | -10     | .1                       | -.4                  | .1                       | 2.4                         | 56                          | 20.5                        | 96                         | 89                         | 40                               | 0              | 0       | 6       | 1            | 0            | 0                   | 0 |                     |
| MINNEAPOLIS               | 50             | 34      | 64                 | 29              | 42             | -8      | .3                       | -.2                  | .2                       | 7.2                         | 205                         | 26.6                        | 114                        | 83                         | 41                               | 0              | 0       | 3       | 2            | 0            | 0                   | 0 |                     |
| ROCHESTER                 | 49             | 32      | 63                 | 22              | 40             | -9      | .1                       | -.5                  | .0                       | 6.0                         | 128                         | 21.6                        | 86                         | 85                         | 46                               | 0              | 0       | 2       | 3            | 0            | 0                   | 0 |                     |
| MS GREENWOOD              | 79             | 52      | 86                 | 43              | 66             | 1       | .8                       | .2                   | .8                       | 3.0                         | 62                          | 34.4                        | 82                         | 94                         | 39                               | 0              | 0       | 0       | 0            | 1            | 1                   | 0 |                     |
| JACKSON                   | 78             | 51      | 85                 | 43              | 65             | 0       | .1                       | -.4                  | .1                       | 4.5                         | 95                          | 35.0                        | 84                         | 97                         | 44                               | 0              | 0       | 0       | 0            | 1            | 0                   | 0 |                     |
| MERIDIAN                  | 78             | 50      | 85                 | 40              | 64             | 0       | .3                       | -.3                  | .2                       | 2.1                         | 41                          | 47.9                        | 111                        | 97                         | 44                               | 0              | 0       | 0       | 2            | 0            | 0                   | 0 |                     |
| MO CAPE GIRARDEAU         | 71             | 46      | 84                 | 37              | 58             | -1      | 3.2                      | 2.7                  | 2.3                      | 8.5                         | 169                         | 31.4                        | 87                         | 91                         | 37                               | 0              | 0       | 0       | 0            | 2            | 2                   | 0 |                     |
| COLUMBIA                  | 68             | 42      | 85                 | 32              | 55             | -3      | .1                       | -.7                  | .1                       | 4.6                         | 80                          | 23.0                        | 73                         | 94                         | 44                               | 0              | 0       | 1       | 1            | 0            | 0                   | 0 |                     |
| KANSAS CITY               | 64             | 42      | 83                 | 33              | 53             | -6      | .0                       | -.8                  | .0                       | 6.7                         | 106                         | 41.3                        | 130                        | 88                         | 44                               | 0              | 0       | 0       | 0            | 0            | 0                   | 0 |                     |
| SAINT LOUIS               | 70             | 48      | 88                 | 38              | 59             | 1       | .3                       | -.2                  | .3                       | 3.3                         | 84                          | 22.6                        | 80                         | 75                         | 32                               | 0              | 0       | 0       | 0            | 1            | 0                   | 0 |                     |
| SPRINGFIELD               | 71             | 46      | 83                 | 32              | 59             | 0       | .1                       | -.7                  | .1                       | 7.5                         | 124                         | 34.0                        | 104                        | 81                         | 38                               | 0              | 0       | 1       | 0            | 0            | 0                   | 0 |                     |
| MT BILLINGS               | 51             | 32      | 76                 | 19              | 42             | -8      | .3                       | .0                   | .2                       | 1.1                         | 55                          | 10.7                        | 83                         | 82                         | 46                               | 0              | 0       | 3       | 3            | 0            | 0                   | 0 |                     |
| GLASGOW                   | 42             | 27      | 63                 | 18              | 35             | -12     | .1                       | -.1                  | .1                       | .9                          | 74                          | 8.1                         | 80                         | 83                         | 46                               | 0              | 0       | 5       | 1            | 0            | 0                   | 0 |                     |
| GREAT FALLS               | 49             | 26      | 71                 | 14              | 38             | -11     | .7                       | .5                   | .3                       | 1.9                         | 133                         | 13.0                        | 98                         | 86                         | 51                               | 0              | 0       | 5       | 3            | 0            | 0                   | 0 |                     |
| HAVRE                     | 44             | 30      | 57                 | 18              | 37             | -10     | .1                       | -.1                  | .1                       | 1.1                         | 84                          | 7.3                         | 70                         | 84                         | 49                               | 0              | 0       | 5       | 1            | 0            | 0                   | 0 |                     |
| HELENA                    | 55             | 30      | 73                 | 22              | 42             | -3      | .5                       | .4                   | .3                       | 1.3                         | 113                         | 8.0                         | 80                         | 92                         | 36                               | 0              | 0       | 4       | 3            | 0            | 0                   | 0 |                     |
| KALISPELL                 | 52             | 29      | 71                 | 23              | 40             | -3      | .3                       | .1                   | .3                       | 1.4                         | 86                          | 13.2                        | 106                        | 95                         | 49                               | 0              | 0       | 6       | 2            | 0            | 0                   | 0 |                     |
| MILES CITY                | 49             | 32      | 67                 | 21              | 41             | -8      | .1                       | -.1                  | .1                       | 2.4                         | 149                         | 13.6                        | 108                        | 85                         | 46                               | 0              | 0       | 4       | 2            | 0            | 0                   | 0 |                     |
| MISSOULA                  | 56             | 31      | 74                 | 25              | 44             | -1      | .3                       | .1                   | .2                       | 1.0                         | 69                          | 9.6                         | 90                         | 91                         | 38                               | 0              | 0       | 4       | 3            | 0            | 0                   | 0 |                     |
| NE GRAND ISLAND           | 59             | 33      | 76                 | 28              | 46             | -8      | .0                       | -.2                  | .0                       | 3.4                         | 107                         | 28.6                        | 135                        | 91                         | 41                               | 0              | 0       | 3       | 0            | 0            | 0                   | 0 |                     |
| LINCOLN                   | 60             | 36      | 75                 | 26              | 48             | -6      | .0                       | -.4                  | .0                       | 4.1                         | 104                         | 23.2                        | 94                         | 85                         | 42                               | 0              | 0       | 3       | 0            | 0            | 0                   | 0 |                     |
| NORFOLK                   | 57             | 33      | 73                 | 26              | 45             | -8      | .1                       | -.3                  | .1                       | 5.9                         | 205                         | 26.8                        | 123                        | 84                         | 43                               | 0              | 0       | 3       | 0            | 0            | 0                   | 0 |                     |
| NORTH PLATTE              | 63             | 29      | 85                 | 19              | 46             | -5      | .0                       | -.2                  | .0                       | .9                          | 39                          | 22.2                        | 123                        | 92                         | 34                               | 0              | 0       | 5       | 0            | 0            | 0                   | 0 |                     |
| OMAHA                     | 56             | 38      | 69                 | 32              | 47             | -9      | .0                       | -.5                  | .0                       | 7.3                         | 154                         | 31.6                        | 115                        | 80                         | 52                               | 0              | 0       | 2       | 0            | 0            | 0                   | 0 |                     |
| SCOTTSBLUFF               | 64             | 29      | 83                 | 20              | 47             | -4      | .0                       | -.2                  | .0                       | .8                          | 53                          | 13.6                        | 103                        | 91                         | 28                               | 0              | 0       | 4       | 0            | 0            | 0                   | 0 |                     |
| VALENTINE                 | 58             | 27      | 82                 | 18              | 43             | -7      | .0                       | -.2                  | .0                       | 1.5                         | 81                          | 17.4                        | 108                        | 83                         | 34                               | 0              | 0       | 6       | 0            | 0            | 0                   | 0 |                     |
| NV ELY                    | 73             | 31      | 81                 | 25              | 52             | 6       | .0                       | -.1                  | .0                       | .3                          | 24                          | 7.4                         | 100                        | 44                         | 13                               | 0              | 0       | 5       | 0            | 0            | 0                   | 0 |                     |
| LAS VEGAS                 | 89             | 60      | 95                 | 57              | 74             | 6       | .0                       | -.1                  | .0                       | .0                          | 0                           | 6.9                         | 219                        | 27                         | 12                               | 3              | 0       | 0       | 0            | 0            | 0                   | 0 |                     |
| RENO                      | 78             | 38      | 85                 | 33              | 58             | 8       | .0                       | -.1                  | .0                       | .2                          | 0                           | 3.0                         | 56                         | 58                         | 14                               | 0              | 0       | 0       | 0            | 0            | 0                   | 0 |                     |
| WINNEMUCCA                | 75             | 30      | 84                 | 18              | 52             | 3       | .0                       | -.1                  | .0                       | .2                          | 25                          | 2.1                         | 37                         | 47                         | 13                               | 0              | 0       | 5       | 0            | 0            | 0                   | 0 |                     |
| NH CONCORD                | 57             | 38      | 66                 | 27              | 48             | -1      | .6                       | -.1                  | .4                       | 4.0                         | 84                          | 23.1                        | 82                         | 97                         | 54                               | 0              | 0       | 2       | 4            | 0            | 0                   | 0 |                     |
| NJ ATLANTIC CITY          | 71             | 45      | 82                 | 32              | 58             | 1       | .1                       | -.7                  | .1                       | 5.2                         | 118                         | 28.8                        | 87                         | 97                         | 44                               | 0              | 0       | 1       | 1            | 0            | 0                   | 0 |                     |
| NM ALBUQUERQUE            | 79             | 46      | 84                 | 41              | 63             | 4       | .0                       | -.2                  | .0                       | .8                          | 61                          | 9.1                         | 136                        | 42                         | 13                               | 0              | 0       | 0       | 0            | 0            | 0                   | 0 |                     |
| CLOVIS                    | 79             | 46      | 87                 | 34              | 62             | 3       | .0                       | -.4                  | .0                       | 1.2                         | 40                          | 19.3                        | 126                        | 65                         | 17                               | 0              | 0       | 0       | 0            | 0            | 0                   | 0 |                     |
| ROSWELL                   | 84             | 47      | 93                 | 41              | 66             | 5       | .0                       | -.2                  | .0                       | .1                          | 4                           | 12.0                        | 127                        | 59                         | 17                               | 1              | 0       | 0       | 0            | 0            | 0                   | 0 |                     |
| NY ALBANY                 | 59             | 41      | 66                 | 29              | 50             | -1      | .5                       | -.2                  | .3                       | 3.7                         | 77                          | 23.2                        | 82                         | 96                         | 57                               | 0              | 0       | 1       | 3            | 0            | 0                   | 0 |                     |
| BINGHAMTON                | 57             | 41      | 71                 | 32              | 49             | 0       | .9                       | .2                   | .4                       | 5.4                         | 108                         | 32.7                        | 111                        | 93                         | 54                               | 0              | 0       | 1       | 4            | 0            | 0                   | 0 |                     |
| BUFFALO                   | 58             | 42      | 67                 | 37              | 50             | -2      | 1.1                      | .4                   | .5                       | 7.3                         | 150                         | 37.8                        | 130                        | 90                         | 53                               | 0              | 0       | 0       | 5            | 0            | 0                   | 0 |                     |
| NEW YORK                  | 67             | 54      | 76                 | 48              | 61             | 3       | .3                       | -.5                  | .2                       | 3.4                         | 65                          | 26.4                        | 78                         | 86                         | 47                               | 0              | 0       | 0       | 0            | 2            | 0                   | 0 |                     |
| ROCHESTER                 | 57             | 41      | 67                 | 34              | 49             | -3      | .6                       | .0                   | .4                       | 4.2                         | 104                         | 29.8                        | 119                        | 95                         | 58                               | 0              | 0       | 0       | 0            | 3            | 0                   | 0 |                     |
| SYRACUSE                  | 58             | 43      | 71                 | 38              | 51             | -1      | .7                       | .0                   | .3                       | 5.6                         | 114                         | 35.7                        | 116                        | 91                         | 61                               | 0              | 0       | 0       | 0            | 5            | 0                   | 0 |                     |
| NC ASHEVILLE              | 70             | 42      | 81                 | 39              | 56             | 0       | .1                       | -.7                  | .1                       | 5.9                         | 108                         | 41.7                        | 115                        | 97                         | 35                               | 0              | 0       | 0       | 0            | 0            | 0                   | 0 |                     |
| CHARLOTTE                 | 74             | 50      | 81                 | 45              | 62             | 1       | .1                       | -.5                  | .1                       | 13.9                        | 275                         | 44.6                        | 125                        | 87                         | 38                               | 0              | 0       | 0       | 0            | 1            | 0                   | 0 |                     |
| GREENSBORO                | 73             | 47      | 81                 | 39              | 60             | 1       | .1                       | -.7                  | .1                       | 5.3                         | 98                          | 34.1                        | 97                         | 92                         | 38                               | 0              | 0       | 0       | 0            | 1            | 0                   | 0 |                     |
| HATTERAS                  | 76             | 58      | 82                 | 55              | 67             | 2       | .1                       | -1.0                 | .0                       | 9.9                         | 118                         | 51.3                        | 116                        | 93                         | 47                               | 0              | 0       | 0       | 0            | 2            | 0                   | 0 |                     |
| NEW BERN                  | 76             | 52      | 81                 | 48              | 64             | 0       | .2                       | -.6                  | .1                       | 3.6                         | 47                          | 41.8                        | 93                         | 96                         | 46                               | 0              | 0       | 0       | 0            | 2            | 0                   | 0 |                     |
| RALEIGH                   | 74             | 48      | 82                 | 41              | 61             | 1       | .5                       | -.1                  | .5                       | 4.7                         | 99                          | 34.4                        | 100                        | 98                         | 46                               | 0              | 0       | 0       | 0            | 1            | 0                   | 0 |                     |
| WILMINGTON                | 76             | 52      | 82                 | 47              | 64             | -1      | .2                       | -.4                  | .2                       | 5.3                         | 72                          | 54.6                        | 120                        | 97                         | 47                               | 0              | 0       | 0       | 0            | 1            | 0                   | 0 |                     |
| ND BISMARCK               | 47             | 26      | 73                 | 14              | 36             | -11     | .2                       | .0                   | .2                       | 1.4                         | 79                          | 11.2                        | 81                         | 81                         | 37                               | 0              | 0       | 6       | 1            | 0            | 0                   | 0 |                     |
| FARGO                     | 47             | 24      | 73                 | 16              | 35             | -12     | .1                       | -.2                  | .1                       | 2.7                         | 104                         | 18.0                        | 103                        | 80                         | 40                               | 0              | 0       | 7       | 1            | 0            | 0                   | 0 |                     |
| GRAND FORKS               | 45             | 24      | 74                 | 15              | 34             | -12     | .1                       | -.2                  | .1                       | 1.5                         | 56                          | 15.4                        | 93                         | 82                         | 42                               | 0              | 0       | 7       | 1            | 0            | 0                   | 0 |                     |
| WILLISTON                 | 43             | 21      | 63                 | 9               | 32             | -14     | .1                       | -.1                  | .0                       | .9                          | 52                          | 10.9                        | 89                         | 86                         | 37                               | 0              | 0       | 6       | 3            | 0            | 0                   | 0 |                     |
| OH AKRON-CANTON           | 61             | 43      | 74                 | 32              | 52             | -1      | 1.3                      | .8                   | .7                       | 5.5                         | 133                         | 37.6                        | 127                        | 95                         | 52                               | 0              | 0       | 1       | 5            | 1            | 0                   | 0 |                     |
| CINCINNATI                | 66             | 42      | 81                 | 30              | 54             | -2      | .4                       | -.1                  | .3                       | 4.3                         | 101                         | 31.8                        | 97                         | 94                         | 44                               | 0              | 0       | 1       | 2            | 0            | 0                   | 0 |                     |
| CLEVELAND                 | 61             | 44      | 74                 | 34              | 53             | -2      | 1.5                      | 1.0                  | .7                       | 5.1                         | 122                         | 37.3                        | 130                        | 94                         | 53                               | 0              | 0       | 0       | 4            | 1            | 0                   | 0 |                     |
| COLUMBUS                  | 65             | 44      | 81                 | 32              | 55             | 0       | 1.2                      | .8                   | .8                       | 3.5                         | 94</                        |                             |                            |                            |                                  |                |         |         |              |              |                     |   |                     |

Weather Data for the Week Ending October 17, 1992

| STATES<br><br>AND<br><br>STATIONS | TEMPERATURE °F     |                    |                 |                |         |                          | PRECIPITATION        |                          |                             |                             |                             |                            | RELATIVE HUMIDITY, PERCENT |                    | NUMBER OF DAYS     |              |              |                     |              |                     |                     |
|-----------------------------------|--------------------|--------------------|-----------------|----------------|---------|--------------------------|----------------------|--------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|----------------------------|--------------------|--------------------|--------------|--------------|---------------------|--------------|---------------------|---------------------|
|                                   | AVERAGE<br>MAXIMUM | AVERAGE<br>MINIMUM | EXTREME<br>HIGH | EXTREME<br>LOW | AVERAGE | DEPARTURE<br>FROM NORMAL | WEEKLY<br>TOTAL, IN. | DEPARTURE<br>FROM NORMAL | GREATEST IN<br>24-HOUR, IN. | TOTAL, IN.,<br>SINCE Sept 1 | PCT. NORMAL<br>SINCE Sept 1 | TOTAL, IN.,<br>SINCE Jan 1 | PCT. NORMAL<br>SINCE Jan 1 | AVERAGE<br>MAXIMUM | AVERAGE<br>MINIMUM | 90 AND ABOVE | 32 AND BELOW | .01 INCH<br>OR MORE |              | .50 INCH<br>OR MORE |                     |
|                                   |                    |                    |                 |                |         |                          |                      |                          |                             |                             |                             |                            |                            |                    |                    |              |              | 50 AND ABOVE        | 32 AND BELOW | .01 INCH<br>OR MORE | .50 INCH<br>OR MORE |
| TOLEDO                            | 62                 | 40                 | 76              | 31             | 51      | -2                       | 1.2                  | .7                       | .6                          | 5.6                         | 159                         | 28.9                       | 112                        | 98                 | 57                 | 0            | 1            | 5                   | 1            |                     |                     |
| YOUNGSTOWN                        | 60                 | 42                 | 71              | 31             | 51      | -1                       | .9                   | .3                       | .5                          | 6.5                         | 145                         | 34.4                       | 113                        | 97                 | 53                 | 0            | 1            | 3                   | 0            |                     |                     |
| OK OKLAHOMA CITY                  | 75                 | 49                 | 88              | 43             | 62      | -1                       | .0                   | .0                       | .0                          | 2.9                         | 58                          | 31.1                       | 115                        | 76                 | 37                 | 0            | 0            | 0                   | 0            |                     |                     |
| TULSA                             | 74                 | 48                 | 89              | 38             | 61      | -2                       | .0                   | .0                       | .0                          | 3.3                         | 51                          | 30.5                       | 93                         | 85                 | 41                 | 0            | 0            | 0                   | 0            |                     |                     |
| OR ASTORIA                        | 59                 | 40                 | 68              | 32             | 50      | -3                       | .2                   | -1.2                     | .1                          | 3.0                         | 48                          | 28.9                       | 64                         | 98                 | 60                 | 0            | 1            | 3                   | 0            |                     |                     |
| BURNS                             | 66                 | 29                 | 80              | 14             | 48      | -1                       | .0                   | -1.2                     | .0                          | .8                          | 89                          | 6.8                        | 96                         | 66                 | 19                 | 0            | 5            | 0                   | 0            |                     |                     |
| MEDFORD                           | 76                 | 39                 | 88              | 32             | 58      | 3                        | .0                   | -1.4                     | .0                          | .5                          | 33                          | 8.0                        | 64                         | 91                 | 28                 | 0            | 1            | 0                   | 0            |                     |                     |
| PENDLETON                         | 64                 | 41                 | 77              | 27             | 53      | 0                        | .0                   | -1.2                     | .0                          | .9                          | 86                          | 6.0                        | 70                         | 66                 | 26                 | 0            | 1            | 0                   | 0            |                     |                     |
| PORTLAND                          | 63                 | 44                 | 74              | 33             | 54      | -1                       | .1                   | -1.7                     | .0                          | 1.6                         | 51                          | 17.1                       | 71                         | 95                 | 46                 | 0            | 0            | 1                   | 0            |                     |                     |
| SALEM                             | 66                 | 40                 | 76              | 30             | 53      | 0                        | .0                   | -1.7                     | .0                          | 1.2                         | 37                          | 17.7                       | 69                         | 91                 | 43                 | 0            | 2            | 0                   | 0            |                     |                     |
| PA ALLENTOWN                      | 62                 | 42                 | 75              | 34             | 52      | -1                       | .5                   | -1.1                     | .3                          | 4.9                         | 88                          | 30.0                       | 85                         | 97                 | 56                 | 0            | 0            | 3                   | 0            |                     |                     |
| ERIE                              | 60                 | 47                 | 66              | 43             | 54      | 1                        | 2.3                  | 1.5                      | .9                          | 10.0                        | 169                         | 34.6                       | 110                        | 86                 | 52                 | 0            | 0            | 5                   | 2            |                     |                     |
| HARRISBURG                        | 66                 | 46                 | 79              | 42             | 56      | 0                        | .1                   | -1.6                     | .1                          | 7.0                         | 138                         | 25.6                       | 81                         | 88                 | 47                 | 0            | 0            | 1                   | 0            |                     |                     |
| PHILADELPHIA                      | 70                 | 51                 | 82              | 44             | 61      | 4                        | .2                   | -1.4                     | .2                          | 3.8                         | 77                          | 22.1                       | 66                         | 86                 | 43                 | 0            | 0            | 1                   | 0            |                     |                     |
| PITTSBURGH                        | 64                 | 44                 | 77              | 34             | 54      | 1                        | .6                   | -1.0                     | .3                          | 4.2                         | 102                         | 30.3                       | 100                        | 93                 | 47                 | 0            | 0            | 3                   | 0            |                     |                     |
| SCRANTON                          | 62                 | 43                 | 76              | 33             | 53      | 1                        | .5                   | -1.1                     | .3                          | 4.3                         | 89                          | 22.8                       | 81                         | 93                 | 56                 | 0            | 0            | 3                   | 0            |                     |                     |
| RI PROVIDENCE                     | 65                 | 47                 | 70              | 40             | 56      | 2                        | .1                   | -1.7                     | .1                          | 5.8                         | 106                         | 34.8                       | 100                        | 92                 | 52                 | 0            | 0            | 1                   | 0            |                     |                     |
| SC CHARLESTON                     | 78                 | 55                 | 84              | 48             | 66      | 0                        | .0                   | -1.7                     | .0                          | 7.9                         | 119                         | 46.7                       | 103                        | 96                 | 49                 | 0            | 0            | 0                   | 0            |                     |                     |
| COLUMBIA                          | 77                 | 49                 | 83              | 42             | 63      | -1                       | .4                   | -1.2                     | .4                          | 8.5                         | 151                         | 42.5                       | 101                        | 97                 | 38                 | 0            | 0            | 1                   | 0            |                     |                     |
| FLORENCE                          | 76                 | 50                 | 81              | 45             | 63      | -1                       | .1                   | -1.1                     | .1                          | 8.3                         | 153                         | 40.7                       | 107                        | 95                 | 42                 | 0            | 0            | 1                   | 0            |                     |                     |
| GREENVILLE                        | 74                 | 46                 | 81              | 41             | 60      | -1                       | .1                   | -1.7                     | .1                          | 10.6                        | 161                         | 47.7                       | 112                        | 98                 | 39                 | 0            | 0            | 1                   | 0            |                     |                     |
| SD ABERDEEN                       | 50                 | 25                 | 76              | 18             | 37      | -11                      | .1                   | -1.2                     | .1                          | 1.7                         | 83                          | 14.7                       | 91                         | 82                 | 38                 | 0            | 6            | 1                   | 0            |                     |                     |
| HURON                             | 51                 | 27                 | 75              | 18             | 39      | -10                      | .0                   | -1.3                     | .0                          | 2.6                         | 121                         | 20.9                       | 125                        | 86                 | 40                 | 0            | 6            | 1                   | 0            |                     |                     |
| RAPID CITY                        | 53                 | 27                 | 74              | 14             | 40      | -10                      | .0                   | -1.2                     | .0                          | 6.6                         | 44                          | 12.1                       | 82                         | 80                 | 39                 | 0            | 6            | 0                   | 0            |                     |                     |
| STOUX FALLS                       | 51                 | 31                 | 68              | 24             | 41      | -9                       | .0                   | -1.4                     | .0                          | 5.3                         | 143                         | 30.1                       | 138                        | 80                 | 48                 | 0            | 4            | 0                   | 0            |                     |                     |
| TN CHATTANOOGA                    | 71                 | 45                 | 81              | 38             | 58      | -2                       | .0                   | -1.6                     | .0                          | 7.6                         | 129                         | 42.8                       | 102                        | 98                 | 47                 | 0            | 0            | 1                   | 0            |                     |                     |
| KNOXVILLE                         | 71                 | 46                 | 79              | 41             | 59      | -1                       | .0                   | -1.6                     | .0                          | 3.4                         | 78                          | 31.9                       | 85                         | 95                 | 44                 | 0            | 0            | 0                   | 0            |                     |                     |
| MEMPHIS                           | 77                 | 53                 | 85              | 44             | 65      | 1                        | .8                   | -1.3                     | .8                          | 4.6                         | 95                          | 36.1                       | 87                         | 82                 | 41                 | 0            | 0            | 1                   | 1            |                     |                     |
| NASHVILLE                         | 72                 | 47                 | 85              | 38             | 60      | -1                       | .5                   | -1.5                     | .5                          | 4.6                         | 91                          | 32.0                       | 82                         | 89                 | 41                 | 0            | 0            | 1                   | 1            |                     |                     |
| TX ABILENE                        | 84                 | 58                 | 92              | 45             | 71      | 5                        | .0                   | -1.5                     | .0                          | 1.8                         | 41                          | 23.1                       | 114                        | 77                 | 31                 | 3            | 0            | 0                   | 0            |                     |                     |
| AMARILLO                          | 78                 | 44                 | 92              | 33             | 61      | 1                        | .0                   | -1.3                     | .0                          | 3                           | 12                          | 19.1                       | 110                        | 66                 | 18                 | 1            | 0            | 0                   | 0            |                     |                     |
| AUSTIN                            | 85                 | 61                 | 88              | 55             | 73      | 3                        | .0                   | -1.8                     | .0                          | 2.5                         | 45                          | 38.2                       | 148                        | 90                 | 42                 | 0            | 0            | 0                   | 0            |                     |                     |
| BEAUMONT                          | 81                 | 60                 | 85              | 52             | 71      | 0                        | 2.0                  | 1.2                      | 1.9                         | 4.1                         | 55                          | 50.9                       | 114                        | 99                 | 55                 | 0            | 0            | 3                   | 1            |                     |                     |
| BROWNSVILLE                       | 88                 | 69                 | 93              | 61             | 79      | 3                        | .4                   | -1.5                     | .3                          | 4.0                         | 54                          | 24.9                       | 116                        | 96                 | 51                 | 1            | 0            | 2                   | 0            |                     |                     |
| CORPUS CHRISTI                    | 87                 | 66                 | 91              | 57             | 76      | 2                        | .5                   | -1.1                     | .5                          | 5.0                         | 59                          | 35.7                       | 129                        | 94                 | 53                 | 2            | 0            | 1                   | 1            |                     |                     |
| DEL RIO                           | 88                 | 66                 | 93              | 61             | 77      | 6                        | .0                   | -1.5                     | .0                          | 4                           | 10                          | 18.6                       | 124                        | 73                 | 35                 | 4            | 0            | 0                   | 0            |                     |                     |
| EL PASO                           | 85                 | 52                 | 89              | 44             | 68      | 4                        | .0                   | -1.2                     | .0                          | 2                           | 8                           | 9.5                        | 143                        | 46                 | 16                 | 0            | 0            | 0                   | 0            |                     |                     |
| FORT WORTH                        | 81                 | 59                 | 89              | 49             | 70      | 2                        | 1.8                  | 1.1                      | 1.8                         | 5.4                         | 105                         | 33.6                       | 129                        | 84                 | 42                 | 0            | 0            | 1                   | 1            |                     |                     |
| GALVESTON                         | 80                 | 71                 | 85              | 66             | 75      | 2                        | .9                   | -1.3                     | .9                          | 5.1                         | 66                          | 41.4                       | 126                        | 85                 | 60                 | 0            | 0            | 1                   | 1            |                     |                     |
| HOUSTON                           | 84                 | 60                 | 88              | 50             | 72      | 1                        | .4                   | -1.4                     | .4                          | 1.9                         | 26                          | 42.7                       | 114                        | 97                 | 50                 | 0            | 0            | 2                   | 0            |                     |                     |
| LUBBOCK                           | 82                 | 49                 | 92              | 36             | 66      | 4                        | .0                   | -1.4                     | .0                          | 7                           | 22                          | 19.6                       | 123                        | 70                 | 21                 | 1            | 0            | 0                   | 0            |                     |                     |
| MIDLAND                           | 84                 | 52                 | 93              | 40             | 68      | 3                        | .0                   | -1.3                     | .0                          | .2                          | 5                           | 20.1                       | 168                        | 80                 | 21                 | 2            | 0            | 0                   | 0            |                     |                     |
| SAN ANGELO                        | 85                 | 55                 | 94              | 40             | 70      | 3                        | .0                   | -1.5                     | .0                          | .3                          | 6                           | 18.0                       | 114                        | 84                 | 30                 | 3            | 0            | 0                   | 0            |                     |                     |
| SAN ANTONIO                       | 87                 | 65                 | 93              | 57             | 76      | 5                        | .0                   | -1.7                     | .0                          | 1.1                         | 20                          | 39.9                       | 166                        | 82                 | 41                 | 1            | 0            | 0                   | 0            |                     |                     |
| VICTORIA                          | 88                 | 63                 | 90              | 56             | 76      | 3                        | 1.2                  | -1.4                     | 1.2                         | 4.8                         | 58                          | 45.4                       | 145                        | 96                 | 47                 | 2            | 0            | 1                   | 1            |                     |                     |
| WACO                              | 85                 | 60                 | 91              | 47             | 73      | 3                        | .0                   | -1.7                     | .0                          | 2.5                         | 51                          | 30.0                       | 118                        | 84                 | 39                 | 3            | 0            | 0                   | 0            |                     |                     |
| WICHITA FALLS                     | 83                 | 54                 | 92              | 45             | 69      | 3                        | .0                   | -1.6                     | .0                          | 1.7                         | 35                          | 22.1                       | 96                         | 72                 | 29                 | 4            | 0            | 0                   | 0            |                     |                     |
| UT CEDAR CITY                     | 76                 | 42                 | 82              | 36             | 59      | 7                        | .0                   | -1.2                     | .0                          | .2                          | 14                          | 8.6                        | 103                        | 46                 | 15                 | 0            | 0            | 0                   | 0            |                     |                     |
| SALT LAKE CITY                    | 72                 | 42                 | 81              | 35             | 57      | 4                        | .0                   | -1.3                     | .0                          | .6                          | 38                          | 7.6                        | 63                         | 61                 | 17                 | 0            | 0            | 0                   | 0            |                     |                     |
| VT BURLINGTON                     | 56                 | 44                 | 64              | 34             | 50      | 2                        | .4                   | -1.2                     | .2                          | 6.3                         | 134                         | 24.8                       | 92                         | 92                 | 51                 | 0            | 0            | 5                   | 0            |                     |                     |
| VA NORFOLK                        | 75                 | 54                 | 84              | 49             | 64      | 3                        | .2                   | -1.5                     | .4                          | 3.3                         | 53                          | 38.3                       | 102                        | 92                 | 46                 | 0            | 0            | 1                   | 0            |                     |                     |
| RICHMOND                          | 75                 | 48                 | 86              | 39             | 61      | 2                        | .4                   | -1.5                     | .4                          | 3.4                         | 62                          | 35.4                       | 99                         | 95                 | 43                 | 0            | 0            | 1                   | 0            |                     |                     |
| ROANOKE                           | 73                 | 46                 | 84              | 36             | 60      | 2                        | .0                   | -1.8                     | .0                          | 3.5                         | 69                          | 34.2                       | 107                        | 85                 | 31                 | 0            | 0            | 0                   | 0            |                     |                     |
| WA QUILLAYUTE                     | 56                 | 39                 | 63              | 28             | 48      | -3                       | .3                   | -2.0                     | .3                          | 6.1                         | 52                          | 58.3                       | 82                         | 98                 | 65                 | 0            | 2            | 3                   | 0            |                     |                     |
| SEATTLE-TACOMA                    | 59                 | 45                 | 69              | 37             | 52      | -1                       | .2                   | -1.5                     | .1                          | 1.8                         | 49                          | 21.4                       | 86                         | 97                 | 52                 | 0            | 0            | 2                   | 0            |                     |                     |
| SPOKANE                           | 56                 | 35                 | 73              | 19             | 45      | -3                       | .0                   | -1.2                     | .0                          | .5                          | 43                          | 8.7                        | 76                         | 83                 | 33                 | 0            | 2            | 4                   | 0            |                     |                     |
| YAKIMA                            | 64                 | 33                 | 79              | 23             | 48      | -2                       | .0                   | -1.1                     | .0                          | .3                          | 49                          | 4.3                        | 80                         | 85                 | 30                 | 0            | 4            | 0                   | 0            |                     |                     |
| WV BECKLEY                        | 65                 | 44                 | 78              | 32             | 54      | 2                        | .1                   | -1.5                     | .1                          | 2.5                         | 48                          | 31.5                       | 90                         | 85                 | 37                 | 0            | 1            | 2                   | 0            |                     |                     |
| CHARLESTON                        | 70                 | 45                 | 84              | 32             | 57      | 1                        | .1                   | -1.5                     | .1                          | 2.1                         | 47                          | 33.1                       | 95                         | 93                 | 40                 | 0            | 1            | 2                   | 0            |                     |                     |
| HUNTINGTON                        | 69                 | 46                 | 83              | 33             | 57      | 0                        | .3                   | -1.2                     | .3                          | 2.1                         | 49                          | 31.3                       | 93                         | 91                 | 44                 | 0            | 0            | 2                   | 0            |                     |                     |
| PARKERSBURG                       | 68                 | 46                 | 81              | 34             | 57      | 1                        | .2                   | -1.4                     | .1                          | 2.9                         | 71                          | 29.3                       | 93                         | 92                 | 43                 | 0            | 0            | 2                   | 0            |                     |                     |
| WI GREEN BAY                      | 51                 | 36                 | 62              | 26             | 44      | -5                       | .4                   | -1.0                     | .3                          | 6.3                         | 145                         | 22.5                       | 94                         | 89                 | 43                 | 0            | 3            | 2                   | 0            |                     |                     |
| LACROSSE                          | 52                 | 37                 | 65              | 27             | 44      | -7                       | .4                   | -1.4                     | .1                          | 7.3                         | 156                         | 26.4                       | 99                         | 82                 | 39                 | 0            | 2            | 1                   | 0            |                     |                     |
| MADISON                           | 54                 | 36                 | 63              | 22             | 45      | -5                       | .5                   | -1.0                     | .5                          | 6.8                         | 157                         | 24.7                       | 93                         | 81                 | 40                 | 0            | 2            | 1                   | 0            |                     |                     |
| MILWAUKEE                         | 55                 | 40                 | 63              | 29             | 47      | -4                       | .4                   | -1.4                     | .7                          | 5.2                         | 125                         | 25.7                       | 99                         | 83                 | 47                 | 0            | 1            | 4                   | 1            |                     |                     |
| WAUSAU                            | 49                 | 33                 | 58              | 27             | 41      | -7                       | .4                   | -1.1                     | .2                          | 10.5                        | 201                         | 28.3                       | 102                        | 89                 | 41                 | 0            | 3            | 4                   | 0            |                     |                     |
| WY CASPER                         | 63                 | 31                 | 79              | 18             | 47      | -1                       | .0                   | -1.2                     | .0                          | .5                          | 40                          | 7.6                        | 78                         | 79                 | 23                 | 0            | 4            | 0                   | 0            |                     |                     |
| CHEYENNE                          | 66                 | 32                 | 77              | 21             | 49      | -1                       | .0                   | -1.2                     | .0                          | .2                          | 13                          | 10.5                       | 86                         | 76                 | 20                 | 0            | 4            | 0                   | 0            |                     |                     |
| LANDER                            | 64                 | 32                 | 78              | 19             | 48      | 0                        | .0                   | -1.3                     | .0                          | .4                          | 24                          | 10.6                       | 95                         | 75                 | 21                 | 0            | 3            | 0                   | 0            |                     |                     |
| SHERIDAN                          | 52                 | 29                 | 74              | 14             | 40      | -7                       | .8                   | .6                       | .5                          | 1.3                         | 73                          | 12.5                       | 96                         | 91                 | 50                 | 0            | 6            | 3                   | 0            |                     |                     |

Based on 1951-80 normals.

## National Agricultural Summary

October 12 - 18, 1992

**HIGHLIGHTS:** Frost ended the growing season in the West North Central region of the Nation. Rain across the Ohio Valley and the Eastern Great Lakes hampered corn harvest. Mild, dry weather across the rest of the Nation allowed crops to mature and soybean harvest to advance.

**SMALL GRAINS:** Winter wheat seedings progress remained slightly ahead of last year. Seeding reached 83 percent (%) complete in the 19 major producing States, compared with 82% last year and average. Seeding progress in the Southeast, Texas, and Oklahoma remained behind average, while the rest of the Nation was average or ahead. In Washington, planting was slowed due to crusting and weed competition. Winter wheat emergence was at 59%, compared to 57% last year and 62% average. Oats harvest was completed in Maine, while planting advanced in the Southeast.

**CORN:** Corn harvest advanced slowly and remained behind last year's pace in all the major States except Texas. In Iowa and Minnesota, corn was too wet to harvest. Harvest was 22% complete in the 17 major producing States, compared with 76% last year and 63% average. The crop is over 90% mature in 10 of the 17 major production States. The crop is well behind normal maturity in Michigan, Ohio, Pennsylvania, and Wisconsin. Nationally, the crop was 89% fully mature, compared with 100% last year and 98% average. Crop condition improved slightly from last week.

**SOYBEANS:** Generally favorable conditions allowed the soybean harvest to advance at an accelerated pace. Harvest progress was ahead of average in the lower Mississippi Valley and Southern Great Plains due to warm, dry conditions. Rain in the Southeast and Upper Midwest delayed harvest in those areas. Harvest was 62% complete in the 19 major States, 8 percentage points behind last year and only 3 percentage points behind the average. Crop condition improved slightly from last week.

**COTTON:** The cotton harvest continued to gain momentum. Dry, hot weather from California to Louisiana allowed the harvest in this area to stay ahead of average. Harvest in the rest of the Nation continued to lag behind average. Thirty-six percent of the crop was harvested, compared to 41% last year and 38% average. Cotton boll openings were reported on 76% of the acreage, compared to 83% last year and 84% average.

**SORGHUM:** Warm, dry weather in the major production areas has encouraged crop progress over the major sorghum-producing areas. The crop was rated 81% mature, compared to 94% last year and 91% average. Although maturity continued behind average in the Great Plains, good progress was noted in Kansas. A hard freeze in Nebraska caught some fields before reaching full maturity. Sorghum harvest, remained behind last year's pace, with 41% of the crop harvested. This compared to 74% last year and 59% average. Harvest was ahead of average in Texas, although some fields were slow in drying down. Harvest was near completion in the lower Mississippi Valley.

**OTHER FIELD CROPS:** Peanut harvest advanced in the South. Harvest was behind average in Georgia and Alabama. In Mississippi and Texas, harvest was near or ahead of last year. Dry bean harvest was virtually completed in Colorado, Idaho, and Minnesota, and nearing completion in Michigan, North Dakota, and Nebraska. Sugar beet harvest advanced, generally staying ahead of average in most areas. Sugar cane planting and harvesting were behind last year's pace in Louisiana. Potato harvest neared completion from Idaho to Maine. Harvest in the far Northwest was ahead of last year but behind average. Sunflower harvest progress remained well behind last year and average in the Upper Midwest.

**FRUIT AND NUTS:** Grapefruit harvest was active in Florida, California, and Arizona. Harvest of oranges, tangerines, and grapefruit gained momentum in Florida. Central Valley navel orange harvest was underway, while Valencia harvest neared completion in California. Lemon harvest continued in western and central Arizona and California. Cranberry harvest was over half completed in Massachusetts and Washington, advanced in Oregon and New Jersey, and was underway in Wisconsin. Pecan harvest advanced in Georgia and continued in Texas. Walnut, almond, and pistachio harvests continued in California. Apple picking advanced from New York to Arizona, and was completed in the Northwest and New England. Date and olive harvests were active. Wine grape picking and processing continued in New York, Pennsylvania, and California.

**VEGETABLES:** Melon harvest continued in the central region and advanced to the eastern region of Arizona. Planting activities were underway in California's desert areas, and had advanced in Florida. Irrigation continued on crops in the Rio Grande Valley. Lettuce harvest was active in California, Arizona, and New Mexico. East Texas winter greens were doing well. In California, artichokes in the Salinas-Watsonville area benefited from cool weather, while broccoli, cauliflower, and celery harvests continued in the central coast area. Harvest advanced for cucumbers, eggplant, peppers, radishes, sweet corn, and tomatoes in Florida and New Jersey. Vegetable harvest neared completion in New York, while pumpkin harvest continued in Texas and California.

**PASTURES AND LIVESTOCK:** Pastures across the Nation continued in generally fair to good condition, except in California, Nevada, Utah, and Idaho, where pastures were generally poor. Supplemental feeding continued where conditions warranted. Cattle were moved to winter pastures in the West. Livestock remained in generally good condition nationwide.

### Crop Progress

for the Week Ending October 18, 1992

#### GRAIN SORGHUM (Percent Mature)

|                      | Current | Last Wk | 1991 | Avg. |
|----------------------|---------|---------|------|------|
| AR                   | 100     | 100     | 98   | 99   |
| CO                   | 63      | 41      | 87   | 77   |
| IL                   | 98      | 82      | 100  | 94   |
| KS                   | 65      | 45      | 95   | 85   |
| LA                   | 100     | 100     | 97   | 98   |
| MS                   | 100     | 100     | 100  | 100  |
| MO                   | 92      | 88      | 96   | 94   |
| NE                   | 92      | 72      | 100  | 100  |
| NM                   | 95      | 68      | 60   | NA   |
| OK                   | 70      | 38      | 58   | 76   |
| SD                   | 89      | 58      | 100  | 100  |
| TX                   | 88      | 83      | 92   | 92   |
| 12 States            | 81      | 66      | 93   | NA   |
| Excl. States with NA | 81      | 66      | 94   | 91   |

NA - not available.

These 12 States produced 98% of the 1991 grain sorghum crop.

#### GRAIN SORGHUM (Percent Harvested)

|                      | Current | Last Wk | 1991 | Avg. |
|----------------------|---------|---------|------|------|
| AR                   | 98      | 93      | 91   | 93   |
| CO                   | 18      | 14      | 37   | 30   |
| IL                   | 45      | 19      | 82   | 65   |
| KS                   | 15      | 10      | 65   | 40   |
| LA                   | 100     | 98      | 96   | 97   |
| MS                   | 98      | 95      | 94   | 94   |
| MO                   | 58      | 50      | 69   | 67   |
| NE                   | 9       | 7       | 92   | 73   |
| NM                   | 11      | 8       | 7    | NA   |
| OK                   | 21      | 15      | 14   | 17   |
| SD                   | 31      | 12      | 100  | 68   |
| TX                   | 79      | 75      | 81   | 72   |
| 12 States            | 41      | 36      | 74   | NA   |
| Excl. States with NA | 41      | 36      | 74   | 59   |

NA - not available.

These 12 States produced 98% of the 1991 grain sorghum crop.

#### COTTON (Percent Bolls Opening)

|           | Current | Last Wk | 1991 | Avg. |
|-----------|---------|---------|------|------|
| AL        | 79      | 70      | 98   | 98   |
| AZ        | 100     | 100     | 98   | 99   |
| AR        | 95      | 89      | 96   | 96   |
| CA        | 100     | 100     | 100  | 100  |
| GA        | 79      | 75      | 95   | 93   |
| LA        | 100     | 100     | 96   | 99   |
| MS        | 100     | 98      | 99   | 99   |
| MO        | 92      | 88      | 95   | 97   |
| NM        | 96      | 87      | 93   | 90   |
| NC        | 94      | 88      | 99   | 98   |
| OK        | 45      | 40      | 67   | 72   |
| SC        | 96      | 93      | 94   | 95   |
| TN        | 97      | 94      | 99   | 99   |
| TX        | 57      | 48      | 67   | 69   |
| 14 States | 76      | 71      | 83   | 84   |

These 14 States produced 99% of the 1991 cotton crop.

#### CORN (Percent Mature)

|           | Current | Last Wk | 1991 | Avg. |
|-----------|---------|---------|------|------|
| CO        | 85      | 74      | 96   | 92   |
| GA        | 100     | 100     | 100  | 100  |
| IL        | 94      | 93      | 100  | 100  |
| IN        | 98      | 90      | 100  | 98   |
| IA        | 100     | 97      | 100  | 100  |
| KS        | 98      | 95      | 100  | 100  |
| KY        | 98      | 93      | 100  | 98   |
| MI        | 50      | 30      | 99   | 95   |
| MN        | 87      | 75      | 99   | 99   |
| MO        | 99      | 95      | 100  | 100  |
| NE        | 98      | 92      | 100  | 100  |
| NC        | 100     | 100     | 100  | 100  |
| OH        | 67      | 65      | 100  | 83   |
| PA        | 50      | 37      | 92   | 75   |
| SD        | 84      | 64      | 100  | 100  |
| TX        | 99      | 97      | 100  | 100  |
| WI        | 60      | 40      | 100  | 100  |
| 17 States | 89      | 82      | 100  | 98   |

These 17 States produced 94% of the 1991 corn crop.

#### CORN (Percent Harvested)

|           | Current | Last Wk | 1991 | Avg. |
|-----------|---------|---------|------|------|
| CO        | 18      | 9       | 24   | 19   |
| GA        | 92      | 91      | 100  | 97   |
| IL        | 26      | 14      | 93   | 72   |
| IN        | 19      | 12      | 85   | 53   |
| IA        | 14      | 12      | 62   | 69   |
| KS        | 65      | 55      | 90   | 75   |
| KY        | 55      | 45      | 83   | 69   |
| MI        | 5       | 5       | 50   | 30   |
| MN        | 10      | 5       | 71   | 66   |
| MO        | 46      | 37      | 88   | 81   |
| NE        | 16      | 10      | 83   | 63   |
| NC        | 76      | 72      | 87   | 80   |
| OH        | 10      | 7       | 75   | 41   |
| PA        | 10      | 4       | 43   | 22   |
| SD        | 14      | 9       | 88   | 68   |
| TX        | 95      | 91      | 91   | 95   |
| WI        | 8       | 3       | 49   | 42   |
| 17 States | 22      | 16      | 76   | 63   |

These 17 States produced 94% of the 1991 corn crop.

#### COTTON (Percent Harvested)

|           | Current | Last Wk | 1991 | Avg. |
|-----------|---------|---------|------|------|
| AL        | 28      | 21      | 71   | 65   |
| AZ        | 58      | 40      | 32   | 33   |
| AR        | 42      | 22      | 69   | 59   |
| CA        | 45      | 30      | 15   | 19   |
| GA        | 18      | 9       | 42   | 50   |
| LA        | 78      | 66      | 73   | 76   |
| MS        | 49      | 34      | 68   | 69   |
| MO        | 47      | 17      | 77   | 67   |
| NM        | 13      | 3       | 6    | 4    |
| NC        | 12      | 6       | 41   | 32   |
| OK        | 11      | 7       | 6    | 9    |
| SC        | 15      | 9       | 37   | 45   |
| TN        | 33      | 17      | 65   | 61   |
| TX        | 28      | 24      | 28   | 23   |
| 14 States | 36      | 27      | 41   | 38   |

These 14 States produced 99% of the 1991 cotton crop.

#### WINTER WHEAT (Percent Planted)

|           | Current | Last Wk | 1991 | Avg. |
|-----------|---------|---------|------|------|
| AR        | 29      | 16      | 28   | 26   |
| CA        | 3       | 1       | 0    | 4    |
| CO        | 99      | 97      | 97   | 97   |
| GA        | 8       | 6       | 9    | 9    |
| ID        | 92      | 87      | 82   | 86   |
| IL        | 78      | 41      | 81   | 73   |
| IN        | 71      | 48      | 77   | 68   |
| KS        | 95      | 90      | 90   | 90   |
| MI        | 70      | 65      | 85   | 80   |
| MO        | 48      | 31      | 52   | 57   |
| MT        | 96      | 83      | 97   | 98   |
| NE        | 100     | 99      | 100  | 100  |
| NC        | 17      | 14      | 24   | 19   |
| OH        | 70      | 45      | 82   | 65   |
| OK        | 82      | 74      | 88   | 84   |
| OR        | 74      | 57      | 68   | 63   |
| SD        | 100     | 98      | 100  | 100  |
| TX        | 74      | 71      | 71   | 79   |
| WA        | 99      | 96      | 80   | 87   |
| 19 States | 83      | 75      | 82   | 82   |

These 19 States produced 92% of the 1991 winter wheat crop.

#### WINTER WHEAT (Percent Emerged)

|           | Current | Last Wk | 1991 | Avg. |
|-----------|---------|---------|------|------|
| AR        | 8       | N/A     | 14   | 12   |
| CA        | 0       | N/A     | 0    | 0    |
| CO        | 90      | N/A     | 80   | 82   |
| GA        | 4       | N/A     | 5    | 5    |
| ID        | 60      | N/A     | 54   | 54   |
| IL        | 29      | N/A     | 37   | 32   |
| IN        | 27      | N/A     | 45   | 40   |
| KS        | 70      | N/A     | 60   | 75   |
| MI        | 50      | N/A     | 65   | 55   |
| MO        | 22      | N/A     | 28   | 33   |
| MT        | 68      | N/A     | 68   | 77   |
| NE        | 98      | N/A     | 88   | 94   |
| NC        | 9       | N/A     | 13   | 11   |
| OH        | 30      | N/A     | 45   | 34   |
| OK        | 55      | N/A     | 55   | 56   |
| OR        | 37      | N/A     | 28   | 30   |
| SD        | 90      | N/A     | 92   | 91   |
| TX        | 50      | N/A     | 55   | 58   |
| WA        | 81      | N/A     | 67   | 69   |
| 19 States | 59      | N/A     | 57   | 62   |

These 19 States produced 92% of the 1991 winter wheat crop.

#### SOYBEANS (Percent Harvested)

|           | Current | Last Wk | 1991 | Avg. |
|-----------|---------|---------|------|------|
| AL        | 18      | 9       | 25   | 28   |
| AR        | 32      | 16      | 26   | 24   |
| GA        | 12      | 3       | 16   | 15   |
| IL        | 81      | 68      | 92   | 82   |
| IN        | 75      | 56      | 85   | 65   |
| IA        | 82      | 61      | 88   | 92   |
| KS        | 55      | 50      | 80   | 50   |
| KY        | 22      | 14      | 25   | 24   |
| LA        | 53      | 38      | 33   | 46   |
| MI        | 20      | 15      | 70   | 45   |
| MN        | 77      | 52      | 91   | 94   |
| MS        | 38      | 22      | 28   | 35   |
| MO        | 55      | 39      | 54   | 52   |
| NE        | 84      | 61      | 94   | 86   |
| NC        | 5       | 2       | 8    | 8    |
| OH        | 65      | 40      | 84   | 62   |
| SC        | 2       | 1       | 7    | 5    |
| SD        | 61      | 38      | 96   | 95   |
| TN        | 16      | 7       | 17   | 23   |
| 19 States | 62      | 45      | 70   | 65   |

These 19 States produced 95% of the 1991 soybean crop.

## Crop Condition (Percent)

for the Week Ending October 18, 1992

### CORN

| State     | VP  | P   | F   | G   | EX  |
|-----------|-----|-----|-----|-----|-----|
| CO        | 1   | 5   | 16  | 67  | 11  |
| GA        | 0   | 0   | 15  | 71  | 14  |
| IL        | 0   | 0   | 6   | 78  | 16  |
| IN        | 0   | 0   | 14  | 69  | 17  |
| IA        | 0   | 0   | 8   | 70  | 22  |
| KS        | 0   | 0   | 16  | 26  | 58  |
| KY        | 0   | 0   | 3   | 51  | 46  |
| MI        | 5   | 10  | 25  | 45  | 15  |
| MN        | 5   | 10  | 47  | 38  | 0   |
| MO        | 0   | 0   | 11  | 71  | 18  |
| NE        | 1   | 6   | 12  | 56  | 25  |
| NC        | 0   | 0   | 32  | 59  | 9   |
| OH        | 1   | 4   | 21  | 49  | 25  |
| PA        | 1   | 5   | 23  | 46  | 25  |
| SD        | 0   | 4   | 21  | 61  | 14  |
| TX        | 0   | 4   | 16  | 56  | 24  |
| WI        | 1   | 6   | 38  | 54  | 1   |
| 17 State  | 1   | 3   | 17  | 61  | 18  |
| Prev Week | 2   | 3   | 16  | 61  | 18  |
| Prev Year | N/A | N/A | N/A | N/A | N/A |

### SOYBEANS

| State     | VP  | P   | F   | G   | EX  |
|-----------|-----|-----|-----|-----|-----|
| AL        | 0   | 0   | 19  | 72  | 9   |
| AR        | 0   | 0   | 10  | 60  | 30  |
| GA        | 0   | 0   | 16  | 78  | 6   |
| IL        | 0   | 0   | 4   | 70  | 26  |
| IN        | 0   | 1   | 17  | 70  | 12  |
| IA        | 0   | 0   | 11  | 69  | 20  |
| KS        | 0   | 0   | 4   | 22  | 74  |
| KY        | 0   | 0   | 6   | 85  | 9   |
| LA        | 0   | 0   | 58  | 42  | 0   |
| MI        | 2   | 8   | 30  | 45  | 15  |
| MN        | 2   | 11  | 65  | 22  | 0   |
| MS        | 0   | 0   | 8   | 81  | 11  |
| MO        | 0   | 0   | 21  | 64  | 15  |
| NE        | 1   | 2   | 4   | 54  | 39  |
| NC        | 0   | 2   | 32  | 63  | 3   |
| OH        | 2   | 6   | 26  | 47  | 19  |
| SC        | 0   | 1   | 44  | 55  | 0   |
| SD        | 1   | 6   | 23  | 52  | 18  |
| TN        | 0   | 0   | 9   | 80  | 11  |
| 19 State  | 0   | 2   | 19  | 60  | 19  |
| Prev Week | 1   | 2   | 19  | 61  | 17  |
| Prev Year | N/A | N/A | N/A | N/A | N/A |

### COTTON

| State     | VP | P  | F  | G  | EX |
|-----------|----|----|----|----|----|
| AL        | 0  | 0  | 17 | 69 | 14 |
| AZ        | 0  | 0  | 33 | 56 | 11 |
| AR        | 0  | 0  | 18 | 77 | 5  |
| CA        | 0  | 0  | 0  | 65 | 35 |
| GA        | 0  | 0  | 11 | 85 | 4  |
| LA        | 0  | 2  | 67 | 31 | 0  |
| MS        | 0  | 0  | 72 | 28 | 0  |
| MO        | 0  | 0  | 30 | 62 | 8  |
| NM        | 0  | 30 | 50 | 20 | 0  |
| NC        | 2  | 5  | 50 | 41 | 2  |
| OK        | 0  | 2  | 33 | 65 | 0  |
| SC        | 0  | 1  | 72 | 27 | 0  |
| TN        | 0  | 0  | 20 | 80 | 0  |
| TX        | 1  | 9  | 66 | 23 | 1  |
| 14 State  | 0  | 5  | 50 | 40 | 5  |
| Prev Week | 0  | 6  | 48 | 41 | 5  |
| Prev Year | 0  | 6  | 30 | 57 | 7  |

### GRAIN SORGHUM

| State     | VP  | P   | F   | G   | EX  |
|-----------|-----|-----|-----|-----|-----|
| AR        | 0   | 0   | 8   | 69  | 23  |
| CO        | 0   | 13  | 34  | 43  | 10  |
| IL        | 0   | 0   | 9   | 74  | 17  |
| KS        | 0   | 5   | 21  | 30  | 44  |
| LA        | 2   | 13  | 39  | 46  | 0   |
| MS        | 0   | 0   | 23  | 77  | 0   |
| MO        | 0   | 0   | 13  | 69  | 18  |
| NE        | 1   | 3   | 26  | 52  | 18  |
| NM        | 0   | 0   | 28  | 72  | 0   |
| OK        | 0   | 0   | 4   | 91  | 5   |
| SD        | 13  | 13  | 26  | 46  | 2   |
| TX        | 0   | 4   | 30  | 54  | 12  |
| 12 State  | 1   | 4   | 24  | 49  | 22  |
| Prev Week | 0   | 6   | 19  | 50  | 25  |
| Prev Year | N/A | N/A | N/A | N/A | N/A |

VP - Very Poor P - Poor F - Fair  
G - Good EX - Excellent

## State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service.

**ALABAMA:** Rainfall none to 0.82 in. north; none to 0.48 in. central; none to 1.53 south. Temperatures 4° below normal to 1° above normal north; 3° to below normal to 1° above normal central, south. Lows 31 to 44° north; 33 to 45° central; 38 to 49° south. Highs 78 to 83° north; 82 to 85° central; 82 to 85° south.

Days suitable for fieldwork 6.1. Soil moisture 16% short, 77% adequate, 7% surplus. Corn 85% harvested, 97% 1991, 93% avg.; Sorghum 50% harvested, 78% 1991, 80% avg.; 16% fair, 80% good, 4% excellent. Peanuts 83% dug, 93% 1991, 93% avg.; 75% combined, 90% 1991, 85% avg. Pasture 4% poor, 12% fair, 69% good, 15% excellent. Livestock 7% fair, 76% good, 17% excellent. Primary activities: Harvesting vegetables, hay, corn, sorghum, peanuts, cotton; plowing fields for small grain seeding; planting small grains; marketing cattle; repairing machinery; general care of livestock, poultry, catfish.

**ARIZONA:** Sunny, hot during the period with light showers 12th, 13th southeast. Temperatures 1 to 8° above normal. Extremes 32°; 91° higher elevations; 41°; 103° deserts.

Cotton bolls opening 100%, 98% 1991, 99% avg.; harvested 58%, 32%, 33% avg.; 33% fair, 56% good, 11% excellent; insects moderate central, west; light to moderate, east; weeds moderate; Activities included insect monitoring, pesticide applications, defoliating, harvesting, stalk shredding, plow down statewide. Alfalfa good; weeds, insects light to moderate; harvest, moderate. Grapefruit harvested west. Lemons harvested west, central. Cantaloupes, honeydews, green onions, sweet corn harvested, central. Apples, pistachios, garlic, lettuce, chili peppers, pumpkins east. Squash, watermelons harvested central, east.

**ARKANSAS:** Temperatures near normal, scattered showers, middle of week. Extremes 27°; 90°. Rainfall none to 1.38 in.

Days suitable for fieldwork 7. Soil moisture supplies 75% short, 22% adequate, 3% surplus. Main farming: Defoliating cotton, wheat seedbed preparation, harvesting cotton, milo, corn, rice, hay, planting wheat, oats, fall forage planting, marketing calves, working cattle. Cotton harvest intensified. Backlog at most gins. Yields continued to rate better than expected. Cotton gins running full time. As of October 15th, the cotton classing office reported 276,728 bales of Arkansas cotton had been classed. Soybean harvest gaining momentum. Early harvest yields reported mostly good. Rice harvest nearing completion. Grain sorghum harvest winding down. Corn harvest complete. Rainfall needed for small grains. Livestock good. Pastures mostly fair. Pastures supplying average forage for herds. Rainfall needed on fall pastures in northwest, west central. Hay harvest nearing completion.

**CALIFORNIA:** Low pressure was over northern, central State. Temperatures near or below normal, no precipitation.

Good progress field activities, open weather. Rice harvest winding down. Stubble cut, baled. Some stubble burning as allowed. Cotton harvest active. Shredding, discing for pink bollworm control followed. Defoliation still underway, few areas. Seed alfalfa irrigated. Sugarbeets, alfalfa seeded. Grain corn, silage corn, dry beans, sugarbeets harvested. Field preparation fall seeded small grains, forage crops progressing rapidly. Seeding ongoing, limited areas. Alfalfa hay harvest normal. Stone fruit growers pruned, disced, irrigated orchards. Some prepared soil for planting new trees. Early fall fruit harvest continued. Walnuts, almonds, pistachios harvested. Growers harvested persimmons, Fresno area. Pomegranate, quince picking continued; harvest kiwifruit gained momentum. Coachella Valley dates harvested, good yields, excellent quality. Olive picking active. Late variety table grapes harvested, Central Valley. Some vineyards treated nematodes. Riverside County grapefruit harvested. Avocados picked eastern Riverside, lemons picked western. Central valley Navel orange harvest underway, Valencia harvest winding down. Strawberry harvest steady central coast; good demand, quality. Westside area volume small, steady. Planting underway Riverside area. Artichokes Salinas-Watsonville benefitted cool weather. Broccoli, cauliflower moderate, variable quality, celery fairly heavy, variable quality central coast. Planting broccoli, cauliflower, cabbage active desert area. Carrots fairly light Kern district. Garlic growers began planting 1993 crop Westside area. Iceberg lettuce harvest moderate central coast, light Huron district variable quality. Fall harvest started Westside area, good quality. Leaf, Romaine lettuce moderate, variable quality. Cantaloupe, watermelon harvest winding down central valley. Sweetpotato movement moderate Atwater-Livingston. Pumpkin harvest advanced south district. Aphid, whitefly damage caused poor yields Hemet area. Other vegetables harvested: Snap beans, cabbage, sweet corn, cucumbers, fresh market tomatoes, peppers, various oriental vegetables. Range, pasture conditions mostly poor to very poor; few pastures good. Supplemental feeding continued. Water supplies short. Fall calving continued. Cattle, sheep: good. Cattle movement to market remained active. Sheep grazed stubble fields.

**COLORADO:** Little precipitation. An arctic front on the 14th dropped temperatures 15 to 20° east, temperatures 10° above normal by the 17th. Temperature 3° below to 2° above normal east of the Continental Divide, 3 to 5° above normal west.

Days suitable for fieldwork 6.3. Soil moisture 8% very short, 50% short, 42% adequate. Alfalfa 4th cutting 52%, 50% 1991,

36% avg. Dry onion, fall potato, corn silage harvest complete. Sorghum mature 63%, 87% 1991, 77% avg.; harvested 18%, 37% 1991, 30% avg. Sorghum harvest will be delayed since crop was not mature before freeze. Dry beans harvested 97%, 90% 1991, 91% avg. Corn mature stage 85% 96% 1991, 92% avg.; harvested 18%, 24% 1991, 19% avg.; 1% very poor, 5% poor, 16% fair, 67% good, 11% excellent. Sugarbeets harvested 60%, 11% 1991, 16% avg. Winter Wheat emerged 90%, 80% 1991, 82% avg. Livestock mostly good. Pasture, range feed fair.

**FLORIDA:** Highs; middle 80s north, upper 80s central, south. Lows; low to middle 40s north, middle 50s central, low 60s south. Temperatures 1 to 6° below normal except extreme southeast. Showers limited to western Panhandle, southeast coast. Local rainfall under 1.00 in.

Soil moisture mostly adequate to surplus throughout State. Cotton harvest gaining momentum. Peanut harvest, hay making active. Soybean, sugarcane harvest starting. Planting of small grains for temporary pastures starting. Citrus trees excellent condition. Few showers, most areas moisture adequate, some low volume irrigation. New growth slowing, droppage normal except in wet areas. Fresh fruit movement increasing on oranges, grapefruit, tangerines, K-Early Citrus Fruit. Caretakers cutting cover crops. Few sprays continuing. Young tree planting most areas. Below normal temperatures, dry weather, in major vegetable producing areas. Planting, harvesting active. Crops in good condition. Volume increasing cucumbers, eggplant, peppers, radishes, sweet corn, tomatoes, cherry tomatoes. State's pastures fair to excellent. Pasture 25% fair, 65% good, 10% excellent. Moisture levels are adequate. State's cattle herds good to excellent.

**GEORGIA:** Temperatures a couple of degrees below normal. Warmest from near 80° mountains to mid 80s south. Coldest near freezing mountains to upper 30s to mid 40s elsewhere. Lows occurred around sunrise 12th, 19th. Dry most of week, scattered rain, few thunderstorms late 16th night into weekend. Rain very light northern two thirds of State. Isolated thunderstorms southern third produced local amounts of 0.50 to 1.50 in. Heaviest rain 2.01 in. near Jesup.

Days suitable for fieldwork 5.5. Soil moisture 13% short, 84% adequate, 3% surplus. Corn harvest very slow. Cotton defoliation active. Sorghum harvest very slow. Peanuts 33% fair, 67% good; 88% dug, 96% 1991, 95% avg.; 73% threshed, 88% 1991, 87% avg.; Disease problems late peanuts, some damage to dug peanuts heavier rainfall areas. Soybeans 81% dropping leaves, 93% 1991, 89% avg.; Harvest active. Wheat 16% fair, 84% good. Rye 47% planted, 42% 1991, 44% avg.; Other small grains 25% fair, 74% good, 1% excellent; 29% planted, 24% 1991, 25% avg. Vegetables 53% fair, 47% good. Cool nights slowing developing, good supply most of south areas. Apples 1% poor, 13% fair, 86% good; 86% harvested, 90% 1991, 90% avg. Pecans 24% very poor, 17% poor, 51% fair, 8% good; 4% harvested, 12% 1991, 9% avg. Hay, pastures fair to mostly good. Cattle, hogs good. Other farm activities included harvesting hay,

renovating pastures, planting onion seedbeds, seedbed preparation for small grains, routine farm chores.

**HAWAII:** Low pressure system brought heavy showers to the State early in the week. Returning tradewinds brought more showers on 15th evening, 16th. Flash flood watch was in effect for the islands, canceled before midweek. Warm, sunny weather returned by the weekend, drying muddy fields. Daytime highs peaked in the low 90s while evening lows dipped to the high 60s. Winds 5 to 20 mph. Rainfall 0.02 to 5.80 in.

Days suitable for fieldwork 7.0. Heavy rain disrupted cleanup efforts for hurricane stricken areas, delayed normal farming activities. However, added moisture benefited most crops. Shower activity mixed with periods of sunshine allowed plantings to make favorable progress during the week. Fruit development in papaya orchards in Puna benefitted from mostly sunny weather. Banana production lower. Sweet corn production light to moderate.

**IDAHO:** Temperatures 6° below normal to 3° above normal throughout State. Precipitation fell only in the north region.

Days suitable for fieldwork 7. Soil moisture 26% very short, 38% short, 35% adequate, 1% surplus. Winter wheat mostly good. Potato harvest 97%, 86% 1991, 92% avg. Potato good. Third cutting alfalfa 98%, 92% 1991, 98% avg. Sugarbeet harvested 54%, 44% 1991, 45% avg. Dry bean harvest 99%, 98% 1991, 99% avg. Onion harvest 100%, 93% 1991, 96% avg. Field corn for silage 97%, 92% 1991, 96% avg. Field corn for grain 42%, 26% 1991, 28% avg. Apple harvest 95%, 44% 1991, 71% avg. Irrigation water supplies 31% very poor, 21% poor, 25% fair, 23% good. Activities: 3rd, 4th cuttings of alfalfa, harvesting of sugarbeets, corn, onions, dry beans, potatoes. Pasture, range 43% of normal. Livestock good.

**ILLINOIS:** Mild dry weather early in the week faded following passage of a strong cold front. This front brought a good soaking to some sections during the middle of the week; while the coldest air rushed in behind the front sending mercuries well below freezing. High temperatures low 50s north to near 70° south, lows average mid 30s to 40° north to high 30s to high 40s south. Precipitation of 1.00 in. or more fell on all but the northwest, west central section of State with excessive amounts of 2.00 in. or more throughout the south.

Days suitable for fieldwork 5.5. Soil moisture 24% short, 75% adequate, 1% surplus. Soybeans shedding leaves 99%, 100% 1991, 98% avg. Pasture 87% of normal.

**INDIANA:** Temperatures 1 to 6° below normal. Highs mid 50s north to near 70s south. Lows upper 30s to mid 40s. Precipitation of 1.00 in. or more fell on much of the State.

Days suitable for fieldwork 4.6. Topsoil 5% short, 63% adequate, 32% surplus. Subsoil 10% short, 81% adequate, 9% surplus. Pasture 90%, 90% last week, 56% 1991.

**IOWA:** Temperatures 6 to 11° below normal. Extremes 16°; 76°. Hard freeze statewide 17th. Precipitation none to 0.96 in.; average 0.06 in.

Days suitable for fieldwork 5.4. Topsoil 85% adequate, 15% surplus. Subsoil 2% short, 81% adequate, 17% surplus. Pasture 27% fair, 62% good, 11% excellent. Most corn is still too wet to harvest; last week's rain delayed soybean harvest; seed corn harvest is virtually complete. Calves coming off cows at heavier weaning weights. Livestock sold at heavier weights. Grain storage availability 97% adequate to surplus.

**KANSAS:** Temperatures 2 to 6° below normal over State. Little to no precipitation.

Days suitable for fieldwork 5.5. Surface moisture 21% short, 75% adequate, 4% surplus. Subsurface moisture 9% short, 87% adequate, 4% surplus. Principle farm activities are fall harvest, wheat planting. Row crops mostly good to excellent. Corn, sorghum progress still behind normal. Open weather allowed wheat seeding, fall harvest to make good progress. Pastures for State are still good. Rangeland in dryer southwestern district fair. Forage, stockwater adequate for State, with very few shortages. Limited supplemental feeding.

**KENTUCKY:** Highs normal to 3° below normal, lows near normal. Highs upper 60s, lows mid 40s. Precipitation extreme west averaged just below 2.00 in. elsewhere 0.10 to 0.40 in.

Days suitable for fieldwork 5.0. Soil moisture 1% very short, 31% short, 66% adequate, 2% surplus. Harvesting slower than normal due to high yields, high moisture content of corn, soybeans. Scattered frost 17th, 18th. Burley 14% stripped, 18% 1991, 13% avg. Housed tobacco mostly good on late cut tobacco, early cut fair due to houseburn. Fall wheat 31% seeded. Pastures good.

**LOUISIANA:** Temperatures 2.3° below to 0.9° above normal. Extremes 43°; 89°. Rainfall 0.36 in. southeast to 1.42 in. southwest.

Days suitable for fieldwork 6.1. Soil moisture 7% very short, 50% short, 43% adequate. Hay 99% second cutting, 94% 1991, 95% avg. Pecans 20% very poor, 65% poor, 15% fair; 10% harvested, 14% 1991, 5% avg. Rice 100% harvested, 97% 1991, 98% avg. Second crop harvesting continued, southwest. Soybeans 97% turning color, 62% 1991, 88% avg.; 85% shedding leaves, 51% 1991, 72% avg. Wheat 6% planted, 8% 1991, 9% avg.; 1% emerged, 4% 1991, 3% avg. Moisture needed to initiate germination. Sugarcane 49% fair, 51% good; 91% planted, 99% 1991, 97% avg.; 11% harvested, 15% 1991, 11% avg. Sweetpotatoes 69% harvested, 80% 1991, 79% avg. Livestock 2% poor, 33% fair, 61% good, 4% excellent. Pastures 1% very poor, 2% poor, 8% fair, 89% good. Moisture needed for rye grass germination. Vegetables 3% very poor, 16% poor, 57% fair, 24% good. Crawfish pond flooding continued. Strawberry plants being set out, southeast.

**MARYLAND & DELAWARE:** MARYLAND: Precipitation 0.40 in. Temperature 61.3°, normal 56.7°. Extremes 38°; 85°.

Days suitable for fieldwork 5.6. Topsoil 5% short, 90% adequate, 5% surplus. Subsoil 5% short, 95% adequate. Corn mostly good; 91% mature, 100% 1991, 97% avg. Grain harvested: 38%, 72% 1991, 68% avg.; silage harvested 81%,

99% 1991, 96% avg. Soybeans fair to good; 91% turned, 98% 1991, 95% avg.; 69% shedding leaves, 91% 1991, 79% avg. Sorghum good; 92% mature, 99% 1991; 15% harvested, 58% 1991. Pastures, cattle, excellent. Alfalfa fourth cutting 88%, other hay fourth cutting 50%. Apples harvested 63%, 81% 1991, 90% avg. Lima bean harvest slowing; sweetpotato harvest active; small grains seeding active, emerging well.

DELAWARE: Precipitation 0.19 in. Temperature 61.3°, normal 57.3°. Extremes 42°; 83°.

Days suitable for fieldwork 6.9. Topsoil 33% short, 67% adequate. Subsoil 17% short, 83% adequate. Soybeans good; 91% turned, 94% 1991, 93% avg.; 72% shedding leaves, 82% 1991, 73% avg. Corn fair to good, grain drying slowly; grain harvested: 44%, 90% 1991, 83% avg. Sorghum 85% mature; 7% harvested, 64% 1991. Alfalfa fourth cutting 92%; other hay fourth cutting 61%, supplies mostly adequate. Apple picking 73% complete, 85% 1991, 84% avg. Lima bean harvest nearly over. Pastures excellent. Small grain seeding active.

**MICHIGAN:** Temperatures 3 to 10° below normal. Extremes 21°; 76°. Precipitation 0.27 to 1.99 in. across the State.

Days suitable for fieldwork 3.5. Soil moisture 35% adequate, 65% surplus. Hay 5% very poor, 10% poor, 30% fair, 40% good, 15% excellent. Corn silage 60% harvested, 100% 1991, 90% avg. Dry beans 90% harvested, 100% 1991, 80% avg.; 5% very poor, 15% poor, 35% fair, 30% good, 15% excellent. Potatoes 90% harvested, 90% 1991, 90% avg. Sugarbeets 30% harvested, 35% 1991, 25% avg. Pasture 75% of normal. Major activities: Cutting silage, harvesting field crops, fruit, planting wheat, doing fall tillage.

**MINNESOTA:** Temperatures 9 to 13° below normal. Extremes 5°; 74°. Precipitation 0.04 to 0.38 in., 0.12 to 0.43 in. below normal. Greatest weekly total 0.50 in.

Days suitable for fieldwork 4.9. Topsoil 2% very short, 18% short, 54% adequate, 26% surplus. Corn 87% mature, 99% 1991, 99% avg.; 10% picked/combined 71% 1991, 66% avg.; 90% silage cut, 99% 1991, 98% avg.; 29% moisture content 18% 1991, 20% avg.; 4% stubble plowed, 30% 1991, 30% avg. Soybeans 99% mature, 99% 1991, 99% avg.; 77% combined, 91% 1991, 94% avg.; 12% moisture content, 11% 1991, 11% avg.; 39% stubble plowed, 41% 1991, 50% avg. Sunflowers 48% harvested, 90% 1991, 85% avg. Sugarbeets 88% harvested, 89% 1991, 90% avg. Potatoes 97% harvested, 95% 1991, 97% avg. Dry edible beans 99% harvested, 99% 1991, 99% avg. Soybean 2% very poor, 11% poor, 65% fair, 22% good. Corn 5% very poor, 10% poor, 47% fair, 38% good.

**MISSISSIPPI:** Temperatures 64°, 1.1° below normal. Extremes 30°; 88°. Most of the State received a small amount of rainfall. State average 0.42 in., 0.15 below normal. Soil temperatures 68°.

Days suitable for fieldwork 5.7, 6.6 1991, 6.2 avg. Soil moisture 7% very short, 41% short, 52% adequate. Corn harvested 89%, 90% 1991, 90% avg.; 9% poor, 18% fair, 53% good, 20% excellent. Cotton 49% harvested, 68% 1991, 69% avg.; 72% fair, 28% good. Peanuts harvested 93%, 93% 1991, 92% avg. Rice harvested 95%, 78%

1991, 91% avg.; 33% fair, 67% good. Sorghum harvested 98%, 94% 1991, 94% avg.; 23% fair, 77% good. Soybeans turning color 99%, 94% 1991, 97% avg.; shedding leaves 76%, 82% 1991, 85% avg.; 38% harvested, 28% 1991, 35% avg.; 8% fair, 81% good, 11% excellent. Sweet-potatoes harvested 65%, 82% 1991, 80% avg.; 33% fair, 45% good, 22% excellent. Wheat planted 39%, 31% 1991, 33% avg.; 21% emerged, 18% 1991, 23% avg.; 63% fair, 37% good. Pecans 18% harvested, 6% 1991, 5% avg.; 20% very poor, 27% poor, 46% fair, 7% good. Livestock 11% fair, 82% good, 7% excellent. Pasture 92% of normal. Activities: Harvesting crops, planting winter wheat.

**MISSOURI:** Temperatures 5° below normal north, near normal south. Rainfall averaged 0.49 in.; southeastern district heaviest at 3.60 in. Northeastern, east central, south central districts averaged around 0.50 in., all other districts less than 0.25 in.

Days suitable for fieldwork 5.6. Topsoil 17% short, 80% adequate, 3% surplus, driest east central, south central districts. Corn harvested varies less than 25% northwestern, north central districts, to virtually complete southeast. Corn drying slowly in northern counties. Soybeans mature 87%, 86% 1991, 84% avg. Soybeans harvested ranges around 65% or more east central, northern districts, down to 33% southeast, 16% southwest. Sorghum harvested ranges less than 20% north central, northeast, to 92% southeast. Winter wheat seeding 3 days behind average, fair progress all areas. Ground worked at least once for next spring crops 10%, 19% 1991, 20% avg. Pasture 1% very poor, 11% poor, 35% fair, 47% good, 6% excellent.

**MONTANA:** Temperatures started out above normal but at midweek fell to below normal. Precipitation near normal with most areas receiving some precipitation.

Days suitable for fieldwork 4.7. Topsoil 42% short, 48% adequate, 10% surplus. Subsoil 52% short, 39% adequate, 9% surplus. Sugarbeets 87% harvested, 80% 1991, 82% avg. Potatoes 94% harvested, 85% 1991, 91% avg. Pasture, range feed condition 79%, remaining steady from last week. Movement of cattle, calves from summer ranges 61%, sheep, lambs 63%.

**NEBRASKA:** Temperatures 6 to 10° below normal. State was dry except trace amounts northeast. Extremes 16°; 85°.

Days suitable for fieldwork 5.5. Topsoil 8% short, 84% adequate, 8% surplus. Subsoil 5% short, 91% adequate, 4% surplus. Winter wheat 13% fair, 58% good, 29% excellent. Corn harvest nearly 3 weeks behind normal. High winds caused lodging, stalk breakage, ear droppage east, northeast. Sorghum harvest 24 days behind normal. Hard freeze caught some fields before mature, being cut for silage. Harvesting sugarbeets, dry beans, sunflowers west, southwest. Pasture, range 97% of normal. Most cattle still in pastures, stalk fields not available yet. Limited supplemental feeding northeast, southwest.

**NEVADA:** During first, last part of week high pressure brought a dry, mild air mass to the state. Midweek a few upper level low pressure

systems moved through, did spread some high clouds across northern part of State; no precipitation fell. Temperatures above normal for week with extremes 8°; 96°.

Good weather favored all farm, ranch fall activities. Potato harvest essentially complete. Hay harvest virtually over. Nearly all livestock on winter grazing areas. Supplemental feeding of hay necessary many areas.

**NEW ENGLAND:** Precipitation 0.13 to 1.00 in. for six States. Temperatures low 40s to low 50s north, mid 40s to mid 50s south; 1° below to 3° above normal. Maximum temperatures high 50s to high 60s north, low 60s to low 70s south. Minimum temperatures low 20s to low 30s north, mid 20s to mid 30s south.

Days suitable for fieldwork 6. Soil moisture 12% short, 79% adequate, 9% surplus. Available grazing 23% short, 74% adequate, 3% surplus. Fieldwork progress 4 days behind schedule. Maine potatoes 99% harvested, 91% 1991, 92% avg.; good. Rhode Island potatoes 97% harvested, 100% 1991, 100% avg.; excellent. Massachusetts, Connecticut potatoes 97% harvested, 95% 1991, 92% avg.; good. Maine oats 98% harvested, 100% 1991, 100% avg.; good. Field corn 82% harvested, 88% 1991, 80% avg.; good. Connecticut, Massachusetts sweet corn 100% harvested, 100% 1991, 100% avg.; good. Second cut hay 98% harvested, 100% 1991, 100% avg.; good. Third cut hay 84% harvested, 88% 1991, 96% avg.; good. Apples 80% harvested, 93% 1991, 93% avg.; color good, size medium; good. Massachusetts cranberries 60% harvested; excellent, size medium. Major farm activities: Harvesting field corn, vegetables, sweet corn, tomatoes, potatoes, apples, peaches, pears, cranberries, haying.

**NEW JERSEY:** Temperatures near normal. Extremes 27°; 84°. Rainfall 0.21 in. north, 0.04 in. central, 0.25 in. south. Heaviest 24 hour total 1.13 in. on 16th, 17th. Estimated soil moisture, in percent field capacity, averaged 94% north, 82% central, 78% south. Four inch soil temperatures averaged 52° north, 55° central, 57° south.

Soil moisture generally adequate. Cucumbers, eggplant, beans, green onions, leeks, okra, tomatoes, sweet corn, in light volume. Beets, cabbage, endive, escarole, greens, parsley, peppers, squash, spinach, turnips, potatoes, in moderate supply. Pumpkins, apples, lettuce - all types, in good volume. Harvesting sweet-potatoes, cranberries. Harvesting corn for grain, soybeans. Planting cover crops. Pasture condition good overall.

**NEW MEXICO:** Temperatures generally above normal, 1° above at Alamogordo to 3° at Carlsbad. A few stations from Quemado to Clayton 1 to 2° below normal. Only Animas reported any precipitation with 0.01 in.

Days suitable for fieldwork 6.8. Soil moisture 97% short, 3% adequate. Crop conditions: Alfalfa 8% fair, 75% good, 17% excellent. Corn 8% fair, 84% good, 8% excellent. Irrigated wheat 1% poor, 5% fair, 94% good. Dryland wheat 1% very poor, 68% fair, 31% good. The wheat crop is 98% emerged. Lettuce harvest continued with crop rated good. Chile 40% fair, 50% good, 10% excellent; harvest continues. Apples are reported good. Pecans poor to good, mostly good. Cattle,

sheep fair to good. Range, pasture 80% of normal.

**NEW YORK:** Precipitation fell in some part of the State each day. Highest near Great Lakes where 1.75 in. fell, lightest in southeast where 0.25 in. fell. Week started cool, warmed at midweek, then turned cold again. Temperatures below normal in west, above normal in east. Nearly all areas had subfreezing temperatures. Extremes 24°; 76°.

Days suitable for fieldwork 5.5. Soil moisture mostly adequate. Pasture 92% of normal. Hay, corn fair to mostly good. Third cutting alfalfa 86% complete, 100% 1991, 90% avg. Corn harvest lagging. Silage 58% finished, 88% 1991, 75% avg. Grain harvest just underway, 3 weeks behind usual. Harvest 1% finished, 88% 1991, 75% avg. Potato harvest 85% completed. Dry beans 40% harvested. Winter wheat seeding very active. Cool weather slowed ripening of grapes in Finger Lakes region. Wineries processing grapes. Good condition in Lake Ontario area for apple harvest. Cool nights good for color development, mild days promoted good harvest conditions. Red Delicious, Golden Delicious, Empires being picked. Vegetable harvest near end. Pumpkins, other hardy cool season crops moving to market. Onions being moved from fields to storage sheds. Harvesting still active.

**NORTH CAROLINA:** Temperatures 1° below normal to 2° above normal. Precipitation light across the State.

Days suitable for fieldwork 5.5. Soil moisture 6% short, 91% adequate, 3% surplus. Crop condition: Pasture 5% poor, 25% fair, 63% good, 7% excellent; Corn 32% fair, 59% good, 9% excellent; Cotton 2% very poor, 5% poor, 50% fair, 41% good, 2% excellent; Peanuts 61% fair, 39% good; Soybeans 2% poor, 32% fair, 63% good, 3% excellent; Sweetpotatoes 41% fair, 56% good, 3% excellent; Sorghum 41% fair, 59% good; Cotton open bolls 94%, 99% 1991, 98% avg. Soybeans leaf drop 62%, 66% 1991, 55% avg. Wheat emerged 9%, 13% 1991, 11% avg. Corn for silage harvested 94%, 99% 1991, 96% avg. Corn for grain harvested 76%, 87% 1991, 80% avg. Sorghum for grain harvested 55%, 59% 1991, 57% avg. Apples harvested 76%, 91% 1991, 87% avg. Cotton harvested 12%, 41% 1991, 32% avg. Peanuts dug 54%, 82% 1991, 68% avg. Peanuts threshed 32%, 60% 1991, 52% avg. Soybeans harvested 5%, 8% 1991, 8% avg. Sweetpotatoes harvested 57%, 63% 1991, 67% avg. Winter wheat planted 17%, 24% 1991, 19% avg. Oats planted 30%, 41% 1991, 35% avg. Barley planted 30%, 49% 1991, 39% avg. Rye planted 29%, 43% 1991, 37% avg. Hay, roughage supplies 2% short, 90% adequate, 8% surplus. Major activities: Harvesting corn for grain; digging, threshing peanuts; seeding small grains. Other activities: Harvesting fruits, vegetables; harvesting sorghum; digging sweetpotatoes; cutting, disking; defoliating cotton; tending livestock; equipment repair; general farm maintenance.

**NORTH DAKOTA:** Started warm, dry but after midweek, two fronts brought cold and snow. Temperatures 10 to 11° below normal. Extremes 5° west central; 77° south central. Precipitation 0.02 in. west to 0.19 in. southeast.

Days suitable for fieldwork 5.3. Despite significant precipitation in some areas, topsoil continued to decline. Topsoil 20% very short, 66% short, 14% adequate. Subsoil 30% very short, 42% short, 28% adequate. Cold weather, snow pushed late season crop harvest further behind last year, average. Corn for grain 27% harvested, 95% 1991, 69% avg. Corn for silage 98% cut, 100% 1991, 100% avg. Flax 93% combined, 100% 1991, 99% avg. Potatoes 99% dug, 98% 1991, 99% avg. Soybeans 92% combined, 100% 1991, 98% avg. Dry beans 91% combined, 100% 1991, 99% avg. Sunflower 39% harvested, 84% 1991, 78% avg. Sugarbeets 98% lifted, 97% 1991, 95% avg. Range, pasture 57% of normal. Stockwater 5% very short, 47% short, 48% adequate.

**OHIO:** Rain during the week delayed corn, soybean harvest. Low temperatures upper 30s to around 40°, high temperatures upper 50s to mid 60s with temperatures on the warmest days reaching into the upper 70s to low 80s. At the end of the period, highs were in the 40s with lows at or below freezing. Widespread precipitation amounted to more than an inch in much of State, with less in the southeast.

Days suitable for fieldwork 4.2. Topsoil 5% short, 71% adequate, 24% surplus. Hay 2% poor, 29% fair, 53% good, 16% excellent. Pasture 5% poor, 25% fair, 52% good, 13% excellent. Potatoes harvested 90%, 94% 1991, 88% avg.

**OKLAHOMA:** Temperatures 5° below normal Panhandle to near normal southeast. Precipitation none in all districts except 0.02 in. southeast.

Days suitable for fieldwork 6.8. Topsoil 80% short, 20% adequate. Subsoil 25% short, 75% adequate. Wheat 4% poor, 64% fair, 32% good; 82% planted, 88% 1991, 84% avg.; 55% emerged, 55% 1991, 56% avg. Cotton 2% poor, 33% fair, 65% good; 45% open bolls, 67% 1991, 72% avg.; 11% harvested, 6% 1991, 9% avg. Sorghum 4% fair, 91% good, 5% excellent; 70% mature, 58% 1991, 76% avg.; 21% harvested, 14% 1991, 17% avg. Soybeans 29% harvested, 28% 1991, 21% avg. Peanuts 46% harvested, 46% 1991, 28% avg. Corn 96% harvested, 94% 1991, 94% avg.; pastures 99%. Cattle good; marketings average, prices steady to \$3 per cwt. higher than preceding week.

**OREGON:** Temperatures above normal early, well below normal midweek, ended week above normal. Klamath Falls set new high record on 18th with 84°. Low record temperatures broken on 15th morning eastern areas with teens to 20s over a wide area. Precipitation was sparse with only a few coastal stations recording more than a 0.10 in.

Soil moisture 91% short, 9% adequate. Winter wheat 74% planted, 37% emerged. Winter barley 55% planted. Field prep for fall seeding in cereal grains continues. Sugarbeet harvest continues, Malheur County. Hazelnut harvest continues; Willamette Valley. Apple harvest complete. Cranberry harvest continues, steady pace, good quality, size, color; southern coast. Pruning, training caneberries. New strawberry fields looking good. Potato harvest continues, Malheur, Klamath. Some onions left to harvest, Malheur. Sweet corn harvest finishing up, Willamette Valley. Cauliflower processing underway. Livestock good. Pastures,

ranges still very dry, needing rain. Fall cattle, calf processing underway. Hay, protein supplements continue being fed. Range, pasture condition 56% of normal.

**PENNSYLVANIA:** A normal week over the State with a wide range of rainfall, temperatures. Temperature 55°, normal temperature 55°. Extremes 22°; 83°. Precipitation 0.64 in., 0.04 in. below normal.

Days suitable for fieldwork 5. Soil moisture 5% short, 86% adequate, 9% surplus. Ensilage corn harvested 60% complete, 95% 1991. Soybean harvest 10% complete, 23% 1991; 1% very poor, 4% poor, 20% fair, 50% good, 25% excellent. Potato harvest 87% complete, 88% 1991. Fall plowing 75% complete, 76% 1991. Wheat planted 88% complete, 91% 1991. Third cutting alfalfa 90% complete, 95% 1991. Fourth cutting alfalfa 65% complete, 74% 1991. Quality of hay made 2% poor, 35% fair, 63% good. Feed from pastures 4% very poor, 6% poor, 50% fair; 40% good. Apple harvest 75% complete, 82% 1991. Grapes harvest 78% complete, 91% 1991. Activities: Hauling manure; maintaining machinery; cutting, baling hay; making corn silage; fall plowing; seeding small grains; apple, potato harvesting; fixing fence; caring for livestock.

**PUERTO RICO:** Island rainfall 0.99 in. was 0.80 in. below normal. Highest rainfall 7.82 in. at Adjuntas Aes, 6.05 in. at Maricao 2SSW, 3.32 in. at Juana Diaz Camp. Highest 24 hour total 5.35 in. at Maricao 2SSW. Divisional temperatures 81° on the coasts, 76 to 77° at Adjuntas Aes to 84.4° at San Juan WSFO and Guayama. Extremes 59°; 95°.

**SOUTH CAROLINA:** Temperatures across the State below normal Upstate, Midlands to near normal Coast. Rainfall 0.20 in. statewide.

Days suitable for fieldwork 5.6. Soil moisture 28% short, 72% adequate. Tobacco 91% stalks destroyed, 90% 1991, 85% avg. Corn fair to good; 97% harvested, 99% 1991, 95% avg. Cotton fair; 96% open bolls, 94% 1991, 95% avg.; 15% harvested, 37% 1991, 45% avg. Soybeans fair to good; 80% leaves turning, 83% 1991, 81% avg.; 36% shedding leaves, 41% 1991, 45% avg.; 24% mature, 28% 1991, 29% avg.; 2% harvested, 7% 1991, 5% avg. Apples fair to good; 84% harvested, 96% 1991, 89% avg. Grapes fair to good. Fall hay fair to good; 88% harvested, 88% 1991, 85% avg. Peanuts fair to good; 40% harvested, 83% 1991, 65% avg. Sorghum fair to good; 64% harvested, 70% 1991, 63% avg. Oats fair to good; 26% planted, 23% 1991, 25% avg.; 16% emerged, 12% 1991, 10% avg. Rye fair to good; 33% planted, 27% 1991, 29% avg.; 28% emerged, 14% 1991, 16% avg. Winter grazing fair to good; 59% planted, 55% 1991, 58% avg.; 44% emerged, 36% 1991, 39% avg. Barley fair to good; 19% planted, 17% 1991, 17% avg.; 13% emerged, 12% 1991, 9% avg. Wheat fair to good; 3% planted, 4% 1991, 6% avg.; 1% emerged, 2% 1991, 3% avg. Cool temperatures favorable for harvesting.

**SOUTH DAKOTA:** Temperatures 10 to 15° below normal. Extremes 3°; 83°. Up to 6 in. of snow fell over the northern half of the State in the middle of week. The southern half was dry.

Days suitable for fieldwork 6. Topsoil 13% very short, 45% short, 35% adequate, 7% surplus. Subsoil 14% very short, 28% short, 51% adequate, 7% surplus. Sunflowers 1% poor, 34% fair, 56% good, 9% excellent. Winter wheat 2% poor, 30% fair, 51% good, 17% excellent. Winter rye 39% fair, 55% good, 6% excellent. Corn silage harvest 88% complete, 100% 1991, 88% avg. Sorghum silage harvest 64% complete, 97% 1991, 92% avg. Sunflowers harvest 47% completed, 80% 1991, 79% avg. High moisture corn. Livestock 2% fair, 78% good, 20% excellent. Pasture 88% of normal.

**TENNESSEE:** Rainfall mainly 0.25 to 0.50 in. below normal. Temperatures below normal. Highs 70s to 80s at midweek; overnight lows were in the 30s to 40s by the weekend.

Days suitable for fieldwork 5.2. Soil moisture, 8% short, 92% adequate. Corn 73% grain harvested, 80% 1991, 81% avg. Cotton 33% harvested, 65% 1991, 61% avg.; 20% fair, 80% good. Sorghum 79% harvested, 68% 1991, 82% avg. Soybeans 82% dropping leaves, 85% 1991, 85% avg.; 47% mature, 52% 1991, 61% avg.; 16% harvested, 17% 1991, 23% avg.; 9% fair, 80% good, 11% excellent. Wheat 29% seeded, 35% 1991, 33% avg. Burley Tobacco 22% stripped, 32% 1991, 26% avg. Cattle 4% fair, 90% good, 6% excellent. Pasture 9% fair, 78% good, 13% excellent. Farm activities: Harvesting hay, corn, sorghum, cotton, soybeans; defoliating cotton; stripping tobacco; fall seedings.

**TEXAS:** Warm, dry weather reported early, middle part of week as State lay between weather systems. Strong cold front moved in late, brought freezing temperatures to Panhandle, northwestern plains. Freeze less extensive than week before. Front triggered thunderstorms east, south, some heavy amounts recorded. Warming started in west late weekend, eastern, southern sections remained cool. Temperatures ran near, slightly below normal Plains, Coastal Bend near, above normal rest of State. Rainfall below normal except Southern East Texas, Upper Coast.

**Crops:** Corn harvest Plains nearing completion. Cotton harvest began few fields Low Plains. Most other fields Plains few weeks away. Spraying harvest aids continued High Plains. Harvest nearing completion Blacklands. Harvesting grain sorghum High Plains continued intermittent basis. Some fields slow to dry, delaying harvest activity. Harvest Low Plains full swing, harvest nearing completion Cross Timbers. Small grain progress limited most areas, result of dry, windy conditions. Wheat, oats continued dry sown, hopes for rain for germination. Peanut harvest continued most areas. Few occurrences pod rot Low Plains. Harvest several areas delayed, lack of moisture. Statewide condition 82% normal, 87% 1991. 43% harvested, 35% 1991, 32% avg. Soybean harvest progressed rapidly High Plains. Upper Coast, Blacklands, harvest neared completion.

**Commercial Vegetables:** Rio Grande Valley, irrigation onions, peppers continued. Land preparation for Spring melon planting. High Plains, pumpkin harvest ending. Black eyed pea harvest winding down, pinto bean harvest getting underway. East Texas, winter greens doing well. Harvest tomatoes, pumpkins continued. Trans-Pecos, onions planted. Pecan

harvest well underway South, Central Texas. Low Plains, insect damage decreased production some areas. Scab damage apparent Central Texas.

**Range and Livestock:** Range, pasture conditions continued decline with dry weather. Stock tank levels decreased. Livestock conditions remained good, but several areas weaning calves, culling herds to decrease grazing pressure on moisture stressed pastures. Supplemental feeding most areas, protein content of most pastures dropped.

**UTAH:** Temperature maximums 7° above normal, minimums 2° above normal. No precipitation.

Days suitable for fieldwork 6.9. Soil moisture 87% short, 13% adequate. Winter wheat seeded 93%, 96% 1991. Winter wheat emerged 62%, 57% 1991. Field corn mature 100%, 89 1991; harvested for grain 64%, 20% 1991. Alfalfa 4th cutting 95%, 77% 1991, 85% avg. Potatoes harvested 96%, 90% 1991. Apples 97% picked, 70% 1991, 83% avg. Cattle moved from summer range 89%, 74% 1991. Sheep moved from summer range 90%, 84% 1991. Non irrigated pasture, range poor to fair.

**VIRGINIA:** Temperatures near normal. Extremes 25°; 80°. Precipitation below normal in the west, near normal over the rest of the State.

Days suitable for fieldwork 4.5. Topsoil 9% short, 75% adequate, 16% surplus. Pasture 4% poor, 17% fair, 62% good, 17% excellent. Corn silage harvested 86%, 97% 1991, 91% avg. Corn harvested for grain 60%, 75% 1991, 63% avg. Soybean 52% fair, 41% good, 7% excellent. Soybeans harvested 5%, 10% 1991, 5% avg. Apple harvest 63%, 80% 1991, 71% avg. Sweetpotato harvest 80% completed. Peanuts 33% dug, 90% 1991, 58% avg. Peanuts combined 15%, 80% 1991, 46% avg. Peanuts 75% fair, 25% good. Oats seeded 48%, 60% 1991, 52% avg. Barley seeded 33%, 40% 1991, 36% avg. Winter wheat seeded 13%, 18% 1991, 14% avg. Livestock mostly good. Harvesting alfalfa hay, seeding pastures, hay fields. Preparing land for small grain seeding, defoliating cotton, marketing tobacco. Marketing livestock.

**WASHINGTON:** Temperatures 4° below to 1° above normal west; 6° below to 1° above normal east. Rainfall 0.02 to 1.68 in. west; none to 0.11 in. east.

Days suitable for fieldwork 6.8. Soil moisture 69% short, 31% adequate. Hay, other roughage 1% very short, 26% short, 54% adequate, 19% surplus. Range, pasture 10% very poor, 65% poor, 25% fair. Winter wheat planted 99%, 80% 1991, 87% avg.; emerged 81%, 67% 1991, 69% avg. Potatoes 75% harvested, 72% 1991, 79% avg. Corn silage 96% harvested, 85% 1991, 90% avg. Corn grain harvested 35%, 19% 1991, 26% avg. Dry beans harvested 90%, 94% 1991, 95% avg. Potato digging active. Corn grain harvest well ahead of normal, drying conditions ideal. Limited winter wheat seeding due to crusting, weed competition. Russian aphid populations high central, eastern areas. Apple picking nearly complete.

Fugi harvested Yakima area. Growers waiting for rain prior to applying herbicides. Orchard cleanup progressed. Cranberry harvest over half complete. Livestock producers feeding hay, moving cattle to fall pastures.

**WEST VIRGINIA:** Temperature 54°. Extremes 23°; 85°. Precipitation 0.11 in.

Days suitable for fieldwork 5.4. Soil moisture, 39% short, 61% adequate. Hay, 34% fair, 66% good; 95% third cut. Apples, good. Corn, 98% good, 2% excellent; 100% mature, 45% harvested. Pastures, 32% fair, 46% good, 22% excellent; 87% of normal. Cattle, good. Sheep, good. Soybeans, 14% fair, 86% good; 90% dropping leaves, 50% harvested. Wheat, sown 15%. Barley, sown 78%. Farm activities: General maintenance; clipping pastures; chopping silage; marketing livestock; harvesting hay, corn, soybeans, apples; sowing barley, wheat.

**WISCONSIN:** Temperature 40°; 9° below normal. Extremes 15°; 65°. Precipitation 0.10 to 1.00 in. Temperatures over the weekend pretty well ended the growing season in the State.

Days suitable for fieldwork 5.3. Soil moisture 1% short, 79% adequate, 20% surplus. Pasture 69% of normal, 77% 1991, 73% avg. General condition of crops 1% very poor, 2% poor, 42% fair, 54% good, 1% excellent. Corn 1% very poor, 6% poor, 38% fair, 54% good, 1% excellent; 60% mature, 100% 1991, 100% avg.; for grain 8% harvested, 49% 1991, 42% avg.; silage 65% harvested, 92% 1991, 91% avg. Moisture levels are very high in corn to be harvested for grain. Soybean 8% poor, 34% fair, 55% good, 3% excellent; 85% shedding leaves; 21% harvested, 68% 1991, 56% avg. Intended fall tillage 23% complete, 30% 1991, 28% avg. Comments indicate that there will be less fall tillage this year because of the late harvest season. Cranberry harvest is underway.

**WYOMING:** Warm days, cold nights with only spotty precipitation. Temperatures above normal in the western half while the eastern half had at or below normal temperatures. Precipitation northern region near to above normal. The rest of the State recorded either no precipitation or only trace amounts.

Days suitable for fieldwork 5.9. Topsoil 75% short, 25% adequate. Subsoil moisture 61% short, 39% adequate. Dry beans 6% windrowed, 3% 1991, 5% avg. 94% combined, 97% 1991, 95% avg. Corn 22% dented, 9% 1991, 10% avg.; 64% mature, 24% 1991, 57% avg.; 14% harvested, 67% 1991, 33% avg.; silage 98% harvested, 100% 1991, 100% avg. Potatoes 98% harvested, 100% 1991, 94% avg. Sugarbeets harvested 66%, 68% 1991, 69% avg. 1993 Winter wheat 94% emerged, 94% 1991, 90% avg. Winter wheat fair to mostly good. Grasshopper damage to winter wheat mostly none to light. Livestock moved from summer ranges 78% cattle, calves; 83% sheep, lambs. Livestock fair to mostly good. Hay supplies for wintering livestock 5% very short, 26% short, 64% adequate, 5% surplus. Ranges, pastures poor to fair.

### International Weather and Crop Summary HIGHLIGHTS

October 11 - 17, 1992

**FSU:** In western areas, the autumn's first hard freeze ends the growing season. In the **New Lands**, warm, dry weather over eastern spring grain areas allows the delayed harvest pace to progress toward completion.

**EUROPE:** Wet weather persists in the south, while generally favorable weather for fieldwork covers the north.

**SOUTH ASIA:** Showers improve moisture for winter wheat planting in north-central India.

**EASTERN ASIA:** Favorable fieldwork weather continues for summer and winter crops.

**SOUTHEAST ASIA:** Heavy showers in Thailand and southern Vietnam raise reservoir levels but cause flooding.

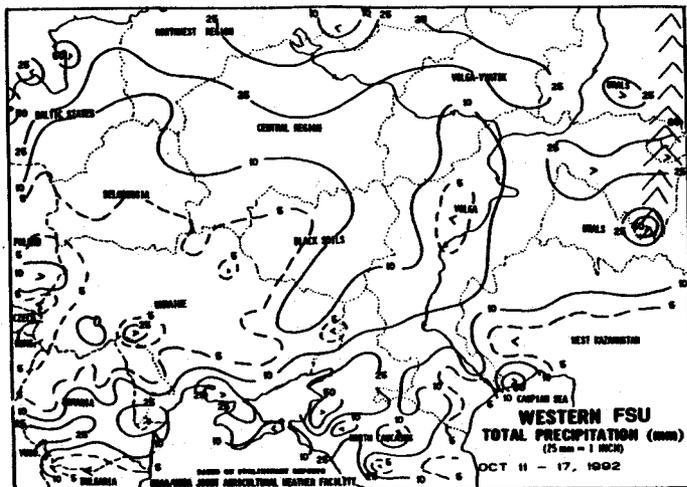
**AUSTRALIA:** Dryness stresses northeast wheat, while favorable conditions exist elsewhere.

**SOUTH AMERICA:** Showers favor soil moisture for summer crops.

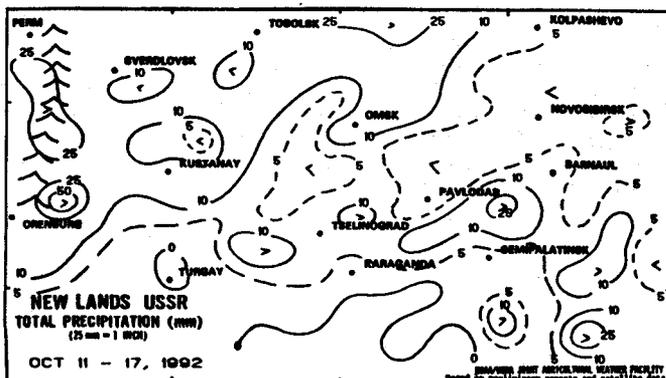
**MEXICO:** Drier weather favors western and central corn harvesting, but heavy rain continues to cause harvest delays in the east.

**CANADA:** Cold, mostly dry weather allows final Prairie harvests to progress.

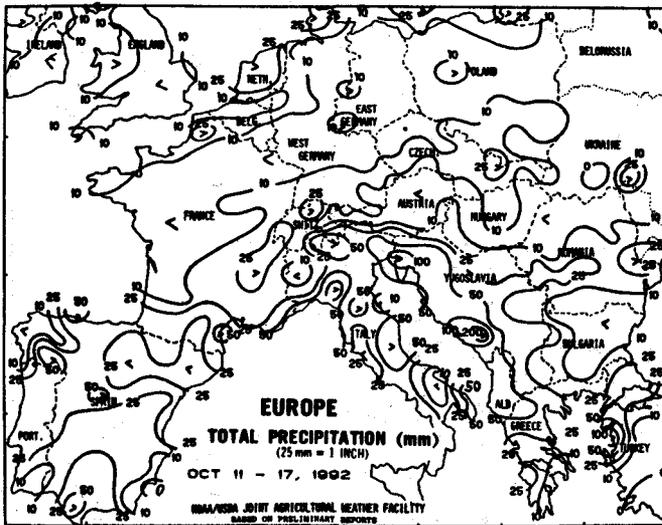
**NORTHWESTERN AFRICA:** Rain in Morocco, eastern Algeria, and Tunisia helps to condition soils for fieldwork in preparation for winter grain planting.



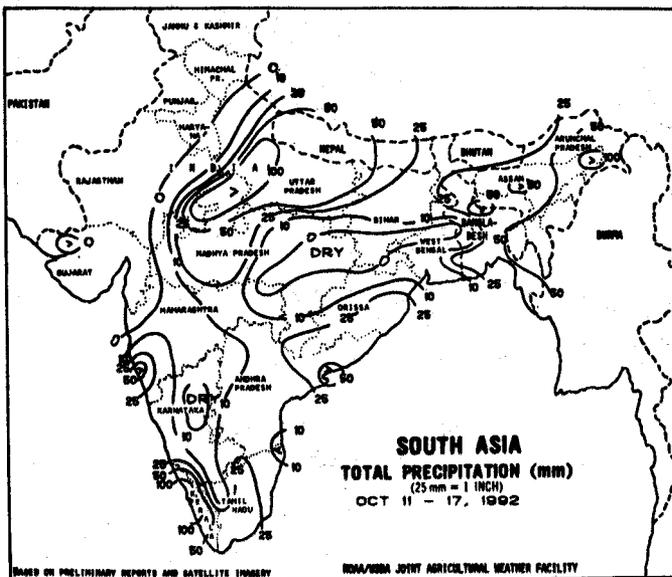
**FSU-WESTERN:** An autumn cold snap covered crop areas as far south as the Black Sea coast, producing the season's first hard freeze. Minimum temperatures ranged from -4 to -10 degrees Celsius (C), ending the growing season. Average temperatures ranged from 0 to 5 degrees C (4-5 degrees C below normal) over the Baltic States, Belarus, Central Region, Volga Vyatsk, Central Black Soils, northern Ukraine, the northern tip of North Caucasus, and most of Volga Valley, halting growth of winter grains. Although winter grains in the southern Ukraine and most of North Caucasus were cold hardening, vegetative growth continued. Precipitation was highly variable. Greatest amounts of moisture (10-30 mm) covered winter grains in extreme northern and extreme southern areas. Little, if any, precipitation covered south-central Ukraine, where moisture remained limited for winter grain establishment.



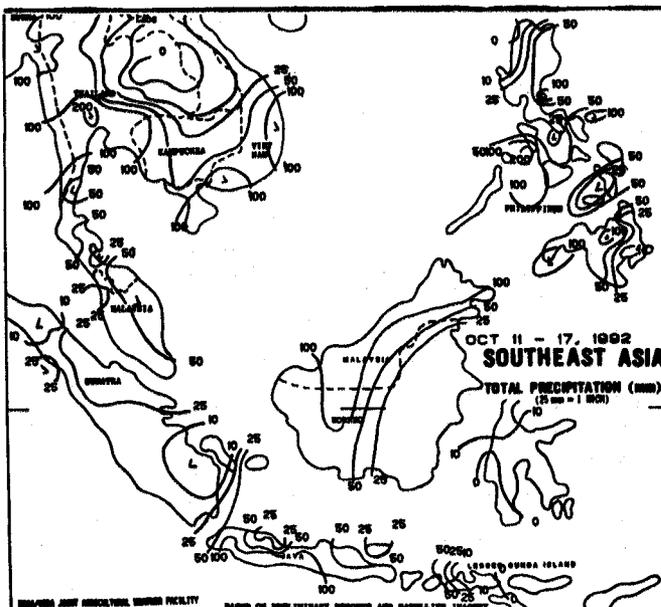
**FSU - NEW LANDS:** Unseasonably warm, dry weather covered spring grain areas in eastern Kazakhstan, and the eastern portion of Western Siberia, allowing the delayed harvest pace to progress toward completion. Average temperatures were 1-2 degrees C below normal in the Urals, 1-3 degrees C above normal in Kazakhstan, and 2-6 degrees C above normal in Western Siberia. In south-central cotton-growing areas of the former Soviet Union, the season's first freeze covered cotton areas in Uzbekistan and Turkmenistan. Minimum temperatures in these areas ranged from -1 to -6 degrees C, ending the growing season and slowing boll maturation. Little, if any, precipitation over the region helped harvest. Usually, the cotton harvest continues through November. Coverage of the New Lands will be suspended until next year's growing season.



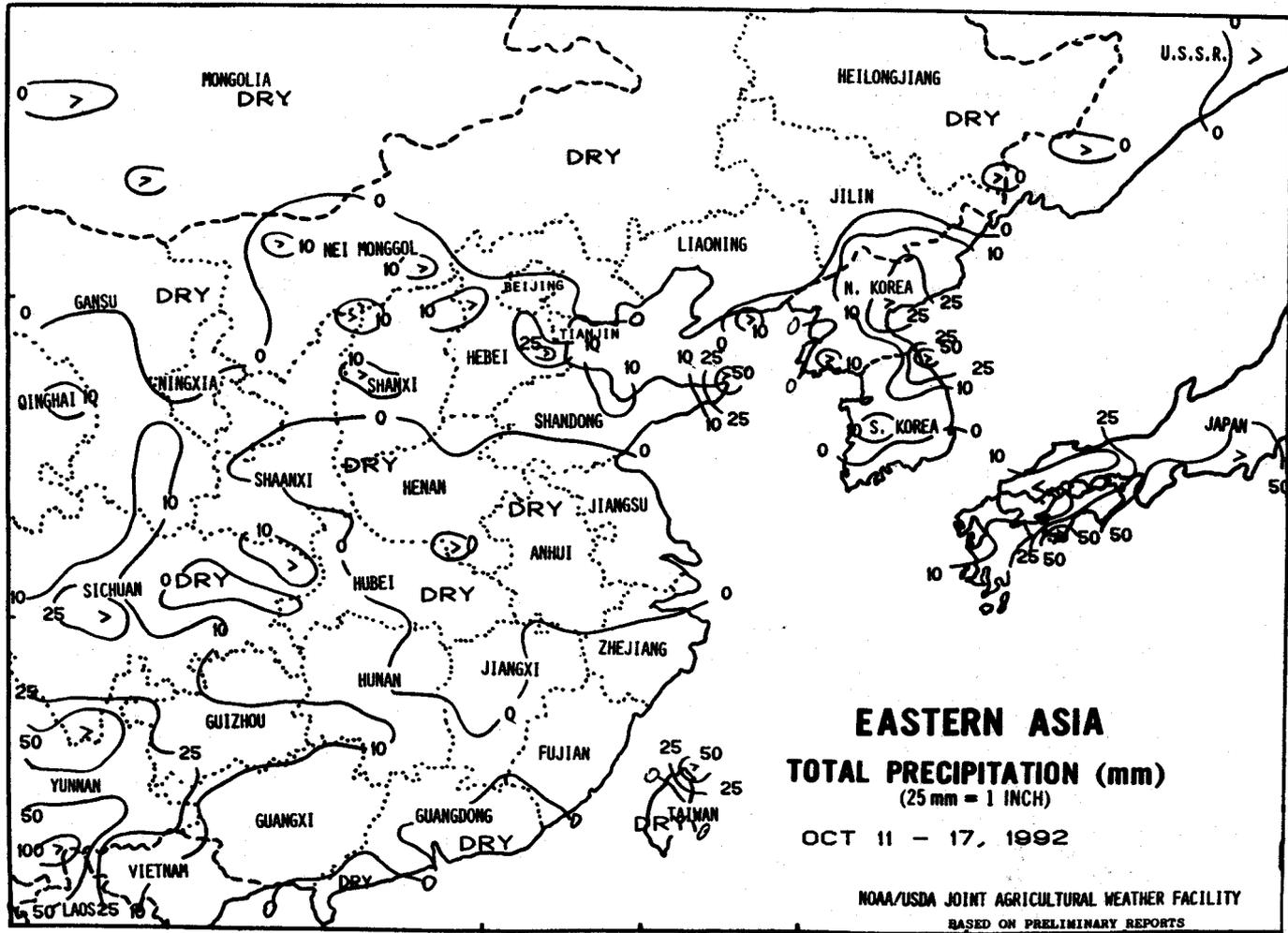
**EUROPE:** The wet weather pattern continued across southern Europe, while generally favorable fieldwork conditions prevailed in the north. The heaviest rain (50-100 mm or more) inundated much of northern and central Italy and throughout nearly all of the Adriatic coastal region. Flood conditions prevailed in Italy. Widespread showers (10-50 mm) fell over the Iberian peninsula, southern France, along the North Sea coast, and a broad area from southern Poland to southern Romania, and Greece. The moisture favored winter crop planting in the Iberian peninsula and southeastern Europe. Light showers (less than 10 mm) covered much of England, northern France, Germany, northern Poland, northern Romania, and Bulgaria. Corn and sugar beet harvesting progressed some, especially in northern crop areas. Winter grain planting is also underway across the north. Temperatures averaged 2-4 degrees C below normal over most of Europe, except for near-normal temperatures in the southeast.



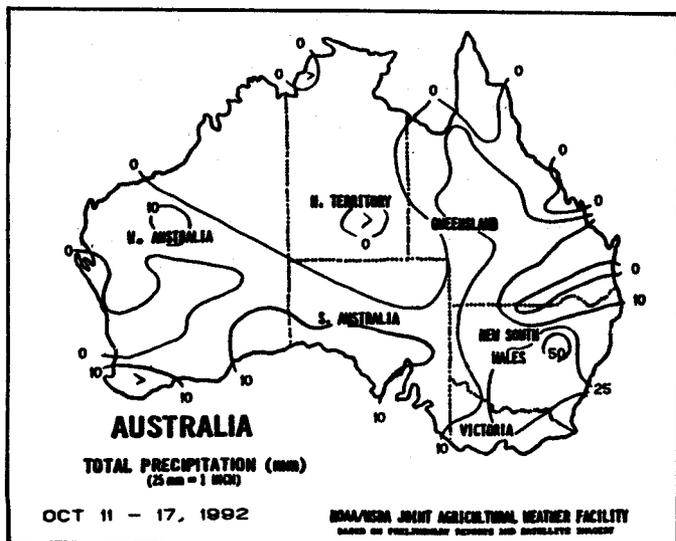
**SOUTH ASIA:** The remnants of a tropical cyclone brought unseasonably heavy rain (25-108 mm) to north-central India from western Madhya Pradesh to northwestern Bihar. The moisture improved winter wheat planting prospects but likely caused localized flooding and damage to maturing summer crops. In contrast, drier weather returned to India's southern interior, with major fall crop areas receiving less than 25 mm. Heavy showers (50-106 mm) dotted rice areas along India's southern coast, maintaining adequate irrigation reserves. Scattered moderate to heavy showers (25-118 mm) returned to rice areas of eastern India and Bangladesh, improving dry season crop prospects.



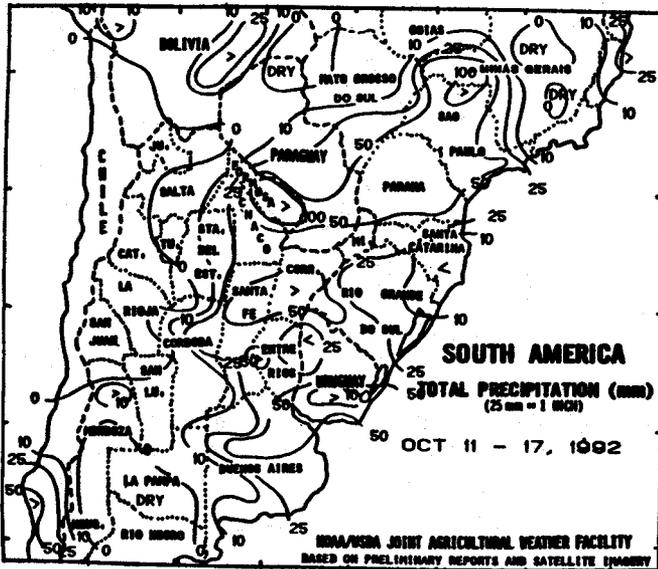
**SOUTHEAST ASIA:** Moderate to heavy rain (50-100 mm or more, with local totals exceeding 200 mm) fell in western Thailand along the Chao Phraya River, boosting irrigation for dry season rice. However, flooding was likely near Bangkok. Heavy showers also covered much of southern Vietnam and Peninsular Thailand, but drier weather dominated the rest of Indochina. Further south, heavy showers (50-122 mm) were limited to southwestern Java and eastern Malaysia as rainfall elsewhere was generally light (25 mm or less). In the Philippines, seasonably heavier showers (25-50 mm or more) continued over the eastern half of the islands, improving prospects for fall planted rice and corn.



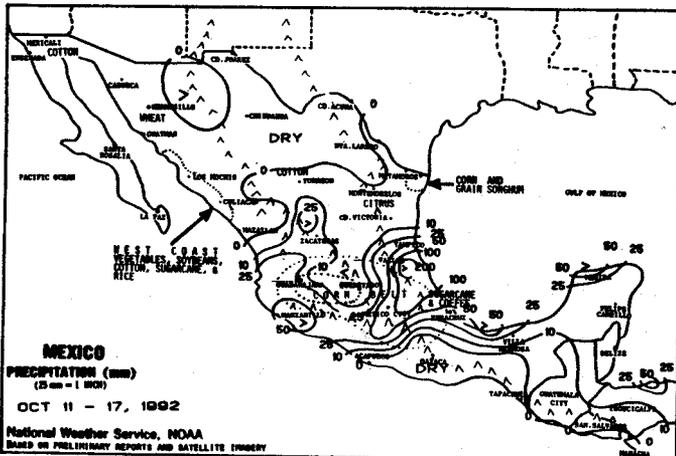
**EASTERN ASIA:** The majority of China received little or no rain, enabling fieldwork to progress rapidly. Corn and soybean harvesting continued in the north, with harvesting ending in Manchuria. Rice maturation (late double-crop) and harvesting (single-crop) progressed in central and southern China. Winter wheat planting is proceeding in the North China Plain, while only scattered light rain (5-15 mm) fell across Shanxi and Hebei. Southwestern China received light to moderate rain (11-58 mm), aiding topsoil moisture for winter crops and replenishing reservoirs. Temperatures averaged 1-2 degrees C below normal across most of China.



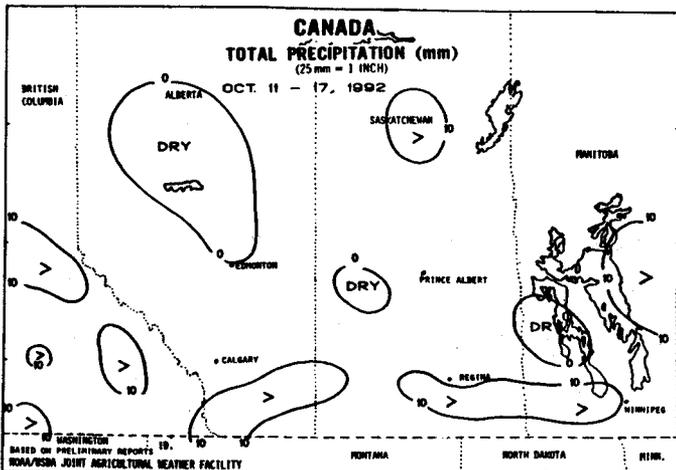
**AUSTRALIA:** Light rain (less than 10mm) fell across southern Queensland and extreme northern New South Wales, but much more is needed as long-term dryness has stressed vegetative to reproductive winter wheat. More rain is needed as winter wheat enters moisture-sensitive stages of development. The remainder of New South Wales received moderate rain (19-50 mm) benefiting vegetative to flowering wheat. Western wheat areas received scattered light rain (1-7 mm), while southern areas reported 9-23 mm. Wheat should be in good condition in both areas. Temperatures averaged slightly above normal in the east and 1-2 degrees C below normal in the west.



**SOUTH AMERICA:** Moderate to heavy rain (23-115 mm) covered most of south-central Brazil, favoring soil moisture for early soybean germination, but causing some corn and soybean planting delays. The eastern wheat areas of Rio Grande do Sul, Santa Catarina, and southeastern Parana received 7-19 mm of rain, slightly delaying winter wheat harvesting. Drier weather the past several weeks has improved wheat harvesting conditions. In Argentina, light to moderate rain (15-83 mm) fell across the major crop areas, increasing soil moisture reserves for summer crops and germination moisture for early planted sunflowers and corn. Heavy rain (116-168 mm) was reported in the northern province of Formosa, causing cotton planting delays and possibly washing out some cotton fields. This region is basically flat with poor drainage and is susceptible to extensive flooding. Temperatures averaged 1-3 degrees C above normal across Argentina and southern Brazil, favoring early summer crop germination.



**MEXICO:** Light rain (4-11 mm) fell across the western and central Southern Plateau corn belt, causing only minor corn harvesting delays. However, the eastern corn belt received moderate to heavy rain (53-168 mm, with isolated amounts greater than 200 mm), delaying corn and coffee harvesting. Across the main corn belt, widespread rainfall normally ends during mid-October. Temperatures averaged 1-2 degrees C above normal across most growing areas.



**CANADA:** Cold, mostly dry weather dominated the Prairies, with temperatures dipping below -10 degrees C at nearly all locations. Precipitation was sparse in northern crop regions, aiding fieldwork, but moderate precipitation (4-24 mm) spread across the southern Prairies, improving moisture for the minor winter wheat crop. Prairie spring grain and oilseed harvests are virtually complete, with only canola and flax reportedly less than 90% harvested. Moderate to heavy showers (25-64 mm) returned to Ontario's crop regions, boosting soil moisture for winter wheat planting but hindering summer harvests. Minimum temperatures again hovered near freezing.

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**U.S. DEPARTMENT OF COMMERCE**

National Oceanic and Atmospheric Administration  
National Weather Service/Climate Analysis Center  
Managing Editor . . . . . **Douglas Le Comte**  
Meteorologists . . . . . **Brad Rippey** (202) 720-1444  
**Vilhelm Bjerknes, David Secora, Wes Byrd, and Brian Morris.**

Subscriptions . . . . . **Joyce Houston** (202) 720-7917

**U.S. DEPARTMENT OF AGRICULTURE**

Economics Management Staff  
Editor . . . . . **Sharon Lee**  
National Agricultural Statistics Service  
Agricultural Statistician . . . **David Mueller** (202) 720-2157  
World Agricultural Outlook Board  
Agricultural Weather Analysts . **Ray Motha** (202) 720-9805  
**Tom Puterbaugh, Mark Brusberg, and Bob Stefanski.**

(Continued from front cover)  
hard white winter wheat. But in Montana, snow cover protected emerging hard red wheat from readings as low as 14°F in **Great Falls, MT**. Farther south, in **western Oklahoma** and **northern Texas**, the concern for winter wheat is lack of moisture for germination. In **Amarillo, TX**, rainfall since September 1 has totaled about one-third of an inch (12 percent of normal). As the cold front pressed eastward, it briefly interrupted harvest activities in the **eastern Corn Belt**, dumped locally excessive rainfall (up to 6 inches) in the **Bootheel of Missouri**, and produced severe thunderstorms in **eastern Texas**. Snow spread from the **northern Plains** to **Upper Michigan**, accumulating to a depth of 2 inches in **Watertown, SD**, and 5 inches in **Marquette, MI**. On Friday morning, temperatures fell to 17°F in **Sidney, NE**, and to 9°F in **Williston, ND**. Lows on Saturday reached 24°F in **Rockford, IL**, and 27°F in **Springfield, IL**. At week's end, a reinforcing shot of cold air, which ended the **eastern Corn Belt's** growing season on Monday, October 19, entered the **northern Plains**.

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