

WEEKLY WEATHER AND CROP BULLETIN

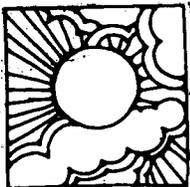
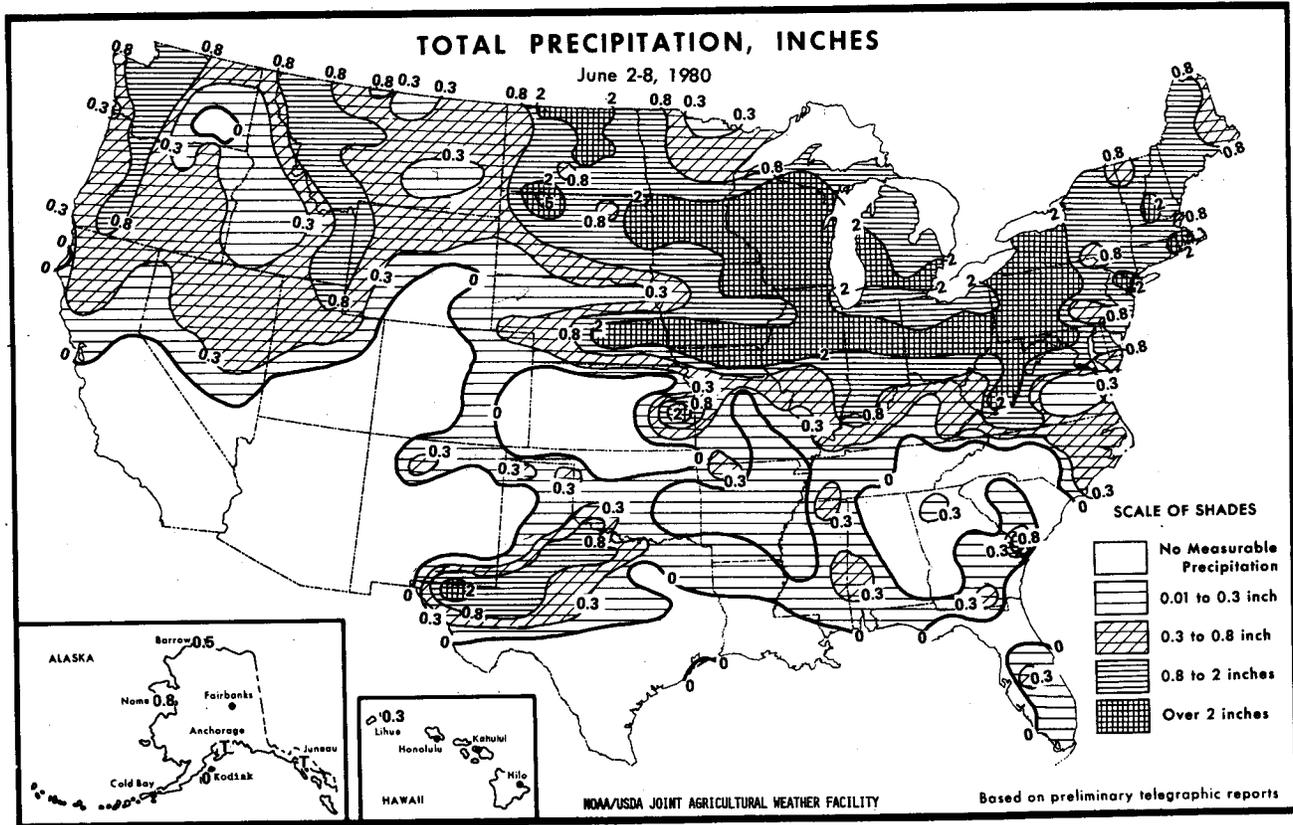
U.S. DEPARTMENT OF COMMERCE
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National Weather Summary

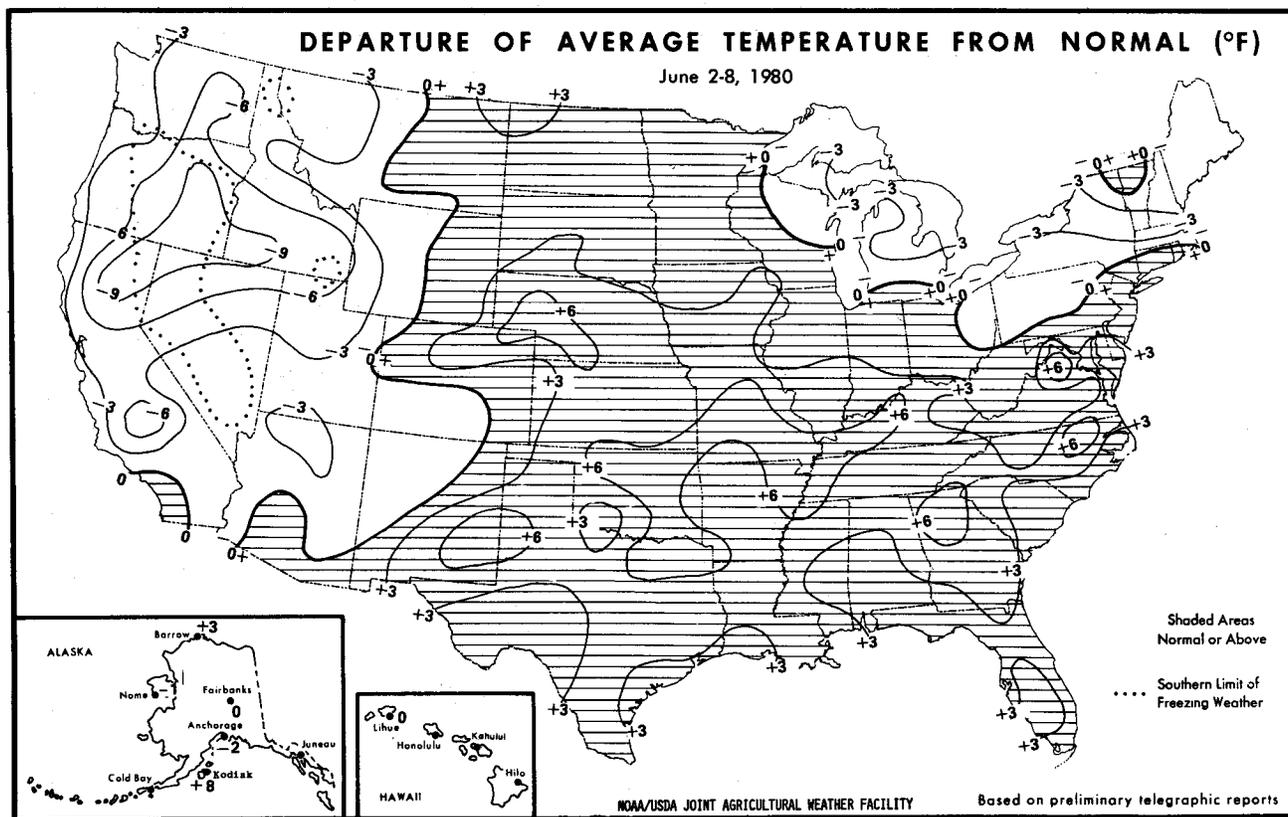
June 2 - 8

HIGHLIGHTS: Rain finally came to most of the severe drought area in the northern Plains. Little rain fell, however, in extreme northwestern North Dakota and northeastern Montana. Severe weather including tornadoes, hail, wind, heavy rain and subsequent flooding wracked the Nation from the central and northern Plains eastward to the Atlantic. Record heat settled over the South from New Mexico to Florida and hot, muggy conditions prevailed over much of the East for most of the week.

MONDAY...A frontal system reached from central New England through the lower Great Lakes to a low pressure center in Kansas and on into wes-

tern Texas. Warm, moist air circulated from the Gulf of Mexico into Texas and northward ahead of the front. Showers and thunderstorms were abundant from the middle Mississippi Valley through the Ohio Valley and lower Lakes area. Some of these thunderstorms produced tornadoes, hail and high winds. Heavy downpours in these already saturated areas produced widespread flooding. Other showers and thunderstorms were scattered across portions of New England, the southern tip of Florida, northwest Texas and central South Dakota. Cool, wet weather continued over the northwestern part of the Nation. Scattered areas of rain extended from the Northwest Coast across the Plateau and Rockies into Montana and Wyoming. Snow fell in some mountain areas.

TUESDAY...The slow-moving front extended from the Atlantic into New York State, through the Ohio Valley and into Kansas. A Pacific front reached from eastern Montana into Utah. Hail, high wind, tornadoes and heavy rain occurred from the mid-Atlantic States through the Ohio Valley. Nine tornadoes were counted in western Pennsylvania alone. Many injuries and much property damage was



reported. Late in the day a tornado hit Grand Island, Nebraska causing extensive damage and many injuries. Elsewhere, heavy thunderstorms rumbled in the northern Plains. The severe weather was unwanted, but the accompanying rains were most welcome in this very dry area.

WEDNESDAY... Showers and thunderstorms continued to develop from the Dakotas through the lower half of the Missouri River Valley and the middle and upper Mississippi Valley. At least three dozen tornadoes were reported. North Dakota led the way with seventeen. Eight hit in South Dakota, 5 in Iowa and 3 in Minnesota. The rain was welcome but extreme northwestern North Dakota and northeastern Montana were still without significant rain. Showers developed over the Pacific Northwest and the northern Rockies. Hot weather prevailed in the Southwest when the mercury rose to the century mark.

THURSDAY... The front extended from southeastern U.S. through Missouri and Iowa to a low pressure center in Nebraska--the low pressure was moving northeastward. Thunderstorms spread showers from the northern Plains into the Great Lakes region. Tornadoes, hail and heavy rains were reported from the Dakotas to Michigan. A cold front brought showers to the northwestern quarter of the Nation. Temperatures behind the front were in the 60's late in the day. Record high temperatures were reached from New Mexico to Florida. Albuquerque, New Mexico had 98°, El Paso, Texas 105° and Miami, Florida 93°. Much cooler weather prevailed through the northern States.

FRIDAY... A weather front extended from West Virginia to a low pressure center in Michigan and to another low in Kansas and to western Texas. The Pacific front had reached Minnesota, Nebraska and Wyoming. Cool Canadian air was behind the

Pacific front and hot, muggy air was south and east of the more easterly front. Another day of severe weather followed. A dozen cities through the northern Plains and upper Mississippi Valley reported large hail. Thunderstorms in Ohio produced tornadoes, heavy rain and flooding. Light showers continued over the northwestern Quarter of the Nation. The heat wave in the Southwest continued with many thermometers nearing or passing the 100° mark.

SATURDAY... The front separating the hot, humid air in much of the East from the cooler air to the North and West extended from the Atlantic through Pennsylvania into Wisconsin, then to Missouri and Texas and into Utah. The severe weather repeated itself in many of the same places as on Friday. Portions of the Plains, the northern Mississippi Valley, the Great Lakes region, and the Ohio Valley were recipients of tornadoes, hail, windstorms and heavy rains. Early in the day, showers came to the previously dry portions of North Dakota and Montana. Cooler air began making its way into the northern Plains and the middle and upper Mississippi Valley on brisk northerly winds.

SUNDAY... A cooler and much drier airmass of Canadian origin continued to settle over the Nation's midsection while the leading edge of the cooler air moved through the Atlantic Coastal States. Temperatures were 20 to 30° cooler from the middle Mississippi Valley eastward into the Ohio and Tennessee Valleys. Brisk northerly winds swept the hot muggy conditions away. Scattered showers and thunderstorms continued along and ahead of the front as it moved through New England and the mid-Atlantic States. Thunderstorms produced heavy rain and hail in northeastern and southwestern Texas.



National Agricultural Summary

June 2 - 8, 1980

HIGHLIGHTS: Heavy rains accompanied by high winds and damaging hail moved through the north central States, delaying fieldwork and causing localized flooding. Many tornadoes were sighted throughout the region. Rains brought some relief to crops, hay, and pastures in the northern Plains, but most areas still rated only fair to poor. Temperatures averaged above normal in all parts of the Nation except in the Northeast and West, where below normal temperatures prevailed. The north central and northern mountain States had only 1 to 4 days suitable for fieldwork, while most other areas of the Nation generally had 5 to 6 days available. Winter wheat rated mostly good except in the northern Plains and parts of Montana, where the condition remained poor because of lack of moisture. Winter wheat combining was limited to southern areas; harvesting was active as far north as Oklahoma, Arkansas, Tennessee and Virginia. Corn planting was completed or nearing completion in nearly all areas. Soybean planting in the 18 major producing States reached 81% completion, ahead of last year's 74% and the 77% average. Progress in many of the south central and southeastern States remained behind schedule owing to earlier delays caused by wet soils. Cotton planting in the 14 major producing States was 92% complete, slightly ahead of last year's 87%. Planting was virtually complete in all major States except Oklahoma and Texas. In New Mexico, high winds blowing sand damaged cotton fields, and some acreage will be abandoned. Grain sorghum planting in the seven major States advanced to 72%, 1 point ahead of a year ago and equal to the average. Only Colorado, Kansas, and Oklahoma lagged behind the average. Rice seeding neared completion and 93% of the crop had emerged. Spring wheat was 93% emerged; progress ranged from 87% in North Dakota to 100% in South Dakota. Pastures rated mostly good except in the northern Plains and parts of Montana where conditions were poor. Recent rains should help growth in these areas. Supplemental feeding has been necessary for much of the roughage requirements of livestock. Fuel supplies continued to hold steady. LP gas stood at 2% tight, 94% adequate, and 4% surplus. Diesel fuel rated 3% tight, 93% adequate, and 4% surplus. Gasoline was 2% tight, 93% adequate, and 5% surplus.

CORN: Corn planting was completed or near completion in most regions. Localized hail and flooding necessitated replanting some fields in Minnesota. Growth ranged from 9 inches in Indiana to 12 inches in Illinois, up to 3 inches more than the average. In the South, silking ranged up to 35% in Louisiana.

SOYBEANS: Soybean seeding in the 18 major producing States was 81% complete, ahead of last year's 74% and the 77% average. Growers in the east north central States advanced planting to 89%, 1 point behind a year ago but 5 points ahead of the average. Planting in the west north central States reached 90% complete, 7 points ahead of both last year and the average. Planting in the south central States was 64% complete, ahead of last year's slow progress of 49% but equal to the average. Progress in many of the south central and southeastern States remained behind schedule due to earlier delays caused by wet soils.

COTTON: Cotton planting was 92% complete, 5 points ahead of 1979. Excluding California and Arizona, where planting was virtually finished, seeding reached 91%, 6 points ahead of last year and 1 point ahead of average. In New Mexico, high winds and blowing sand damaged fields, and some acreage will be abandoned. Some fields were also damaged in Texas. In south Texas, moisture shortages on dryland fields caused cotton to shed small squares.

SMALL GRAINS: Winter wheat rated mostly good except in the northern Plains and parts of Montana where the condition remained poor due to lack of moisture. Winter wheat combining was limited to southern areas; harvesting was active only as far north as Oklahoma, Arkansas, Tennessee, and Virginia.

Spring wheat seeding neared completion and was 93% emerged; progress ranged from 87% in North Dakota to 100% in South Dakota.

OTHER CROPS: Grain sorghum planting in the seven major producing States advanced to 72% complete, 1 point behind last year but equal to the average. Progress lagged in Colorado, Kansas, and Oklahoma. In Texas, where progress reach 91%, most of the acreage left to be seeded was on the Plains and should be completed shortly after the cotton is planted.

Rice seeding was nearly complete, and 93% of the crop had emerged. Emergence ranged from 91% in Mississippi to 100% in Texas.

Peanut planting was 54% complete in Texas, equal to the average and 12% ahead of last year.

FRUITS AND NUTS: Peach harvesting advanced across the South and reached northward into North Carolina. The Georgia peach harvest advanced to 14%, compared with 31% in 1979 and the average of 32%. Harvesting in Florida was about complete. The apple set is reported as average to heavy.

Hot, dry weather prevailed in Florida citrus areas. Irrigation was in full use, especially on sandy soils. The Valencia harvest continued at near full capacity as both growers and processors tried to complete the season. California growers harvested lemons, apricots, avocados, and desert table grapes as major portions of the Bing cherry, freestone peach, navel orange, and desert grapefruit harvest was completed. In Arizona, the grapefruit and Valencia harvest was active, and new crop prospects remained good.

VEGETABLES: Growers in northern production areas harvested early vegetables and continued planting late-season vegetables. Florida vegetable shipments were down 8% from the previous week as supplies decreased. Only shipments of watermelons increased while eggplant held steady.

PASTURE AND LIVESTOCK: Pastures rated mostly good except in the northern Plains and parts of Montana, where conditions were poor. Recent rains should help growth in these areas; supplemental feeding was necessary. Livestock continued to be moved to summer pastures.

Tobacco transplanting continued on schedule as plant supplies remained adequate. Problems with blue mold continued in Georgia and South Carolina. Harvesting was underway in Georgia.

Weather Data for the Week Ending June 8, 1980

| States and Stations | Temperature °F | | | | | | Precipitation | | | | | | Relative Humidity, percent | | Number of Days | | | |
|---------------------|-----------------|-----------------|--------------|-------------|---------|-----------------------|-------------------|-----------------------|---------------------------|--------------------------|--------------------------|-----------------|----------------------------|----------------|----------------|------------------|------------------|--|
| | Average maximum | Average minimum | Extreme high | Extreme low | Average | Departure from normal | Weekly total, in. | Departure from normal | Greatest in 24-hours, in. | Total, in., since June 2 | Pct. normal since June 2 | Average maximum | Average minimum | Temperature °F | | Precipitation | | |
| | | | | | | | | | | | | | | 90 and above | 32 and below | .01 inch or more | .50 inch or more | |
| AL BIRMINGHAM | 90 | 68 | 92 | 66 | 79 | 4 | 0 | -.8 | 0 | 0 | 85 | 47 | 5 | 0 | 0 | 0 | | |
| MOBILE | 92 | 70 | 96 | 66 | 81 | 2 | 0 | -1.2 | 0 | 0 | 96 | 47 | 5 | 0 | 0 | 0 | | |
| MONTGOMERY | 91 | 70 | 92 | 67 | 80 | 3 | 0 | -.8 | 0 | 0 | 97 | 50 | 6 | 0 | 0 | 0 | | |
| AK ANCHORAGE | 63 | 48 | 66 | 42 | 50 | -2 | T | -.2 | T | 0 | 82 | 57 | 0 | 0 | 1 | 0 | | |
| BARROW | 36 | 31 | 42 | 27 | 33 | 3 | .5 | T | .5 | 500 | 79 | 76 | 0 | 5 | 2 | 0 | | |
| FAIRBANKS | 68 | 47 | 77 | 38 | 56 | 0 | 0 | -.3 | 0 | 11 | 80 | 42 | 0 | 0 | 0 | 0 | | |
| KODIAK | 65 | 48 | 73 | 45 | 56 | 9 | 0 | -1.0 | 0 | 0 | 86 | 55 | 0 | 0 | 0 | 0 | | |
| NOME | 47 | 38 | 51 | 32 | 42 | -1 | .8 | -.7 | .2 | 800 | 82 | 78 | 0 | 1 | 5 | 0 | | |
| AZ FLAGSTAFF | 72 | 35 | 81 | 28 | 53 | -2 | 0 | -.1 | 0 | 0 | 61 | 16 | 1 | 1 | 0 | 0 | | |
| PHOENIX | 97 | 67 | 104 | 63 | 82 | 1 | 0 | 0 | 0 | 0 | 29 | 9 | 7 | 7 | 0 | 0 | | |
| TUCSON | 98 | 59 | 103 | 54 | 79 | 0 | 0 | 0 | 0 | 0 | 21 | 7 | 7 | 0 | 0 | 0 | | |
| WINSLOW | 85 | 48 | 93 | 42 | 66 | -3 | 0 | 0 | 0 | 0 | --- | --- | 2 | 2 | 0 | 0 | | |
| YUMA | 98 | 66 | 104 | 60 | 82 | -1 | 0 | 0 | 0 | 0 | 37 | 13 | 7 | 7 | 0 | 0 | | |
| AR FORT SMITH | 88 | 70 | 92 | 68 | 79 | 3 | 0 | -1.0 | T | 0 | 68 | 52 | 4 | 4 | 0 | 0 | | |
| LITTLE ROCK | 89 | 71 | 92 | 64 | 80 | 4 | 0 | -.9 | 0 | 0 | 91 | 52 | 4 | 4 | 0 | 0 | | |
| CA BAKERSFIELD | 81 | 55 | 87 | 52 | 68 | -6 | 0 | 0 | 0 | 0 | --- | 26 | 0 | 0 | 0 | 0 | | |
| EUREKA | 60 | 48 | 66 | 46 | 54 | 0 | 0 | -.3 | T | 0 | 90 | 63 | 0 | 0 | 0 | 0 | | |
| FRESNO | 82 | 54 | 90 | 52 | 68 | -3 | 0 | -.1 | 0 | 0 | 64 | 22 | 1 | 0 | 0 | 0 | | |
| LOS ANGELES | 70 | 55 | 76 | 54 | 63 | -4 | 0 | 0 | 0 | 0 | 86 | 52 | 0 | 0 | 0 | 0 | | |
| RED BLUFF | 75 | 53 | 86 | 52 | 64 | -9 | .6 | .5 | --- | .6 | --- | 30 | 0 | 0 | 0 | 0 | 0 | |
| SAN DIEGO | 71 | 60 | 74 | 58 | 66 | 1 | 0 | 0 | T | 0 | 84 | 60 | 0 | 0 | 0 | 0 | | |
| SAN FRANCISCO | 66 | 51 | 70 | 49 | 58 | -3 | T | -.1 | T | 0 | 83 | 49 | 0 | 0 | 1 | 0 | | |
| SOCKTON | 81 | 52 | 88 | 48 | 66 | -4 | T | -.1 | T | 0 | 81 | 31 | 0 | 0 | 0 | 0 | | |
| CO DENVER | 83 | 52 | 91 | 47 | 68 | 4 | 0 | -.5 | T | 0 | 45 | 16 | 2 | 0 | 0 | 0 | | |
| GRAND JUNCTION | 86 | 53 | 89 | 48 | 70 | 1 | 0 | -.1 | 0 | 0 | 33 | 10 | 0 | 0 | 0 | 0 | | |
| PUEBLO | 86 | 49 | 95 | 42 | 67 | -1 | T | -.3 | T | 0 | 62 | 20 | 4 | 0 | 0 | 0 | | |
| CT BRIDGEPORT | 75 | 59 | 78 | 51 | 67 | 2 | 1.0 | .4 | .4 | 1.0 | 167 | 80 | 45 | 0 | 4 | 0 | | |
| HARTFORD | 75 | 54 | 84 | 43 | 65 | -1 | 1.0 | -.2 | .5 | 1.0 | 125 | 87 | 41 | 0 | 4 | 0 | | |
| DC WASHINGTON | 85 | 66 | 92 | 59 | 75 | 3 | .8 | 0 | .6 | .8 | 100 | 90 | 47 | 2 | 3 | 1 | | |
| FL APALACHICOLA | 89 | 70 | 94 | 65 | 80 | 1 | 0 | -1.0 | 0 | 0 | --- | 57 | 3 | 0 | 0 | 0 | | |
| DAYTONA BEACH | 89 | 69 | 94 | 63 | 79 | 0 | 0 | -1.3 | 0 | 0 | 89 | 50 | 3 | 0 | 0 | 0 | | |
| FORT MYERS | 94 | 72 | 95 | 69 | 83 | 3 | 0 | -1.8 | 0 | 0 | 98 | 54 | 7 | 0 | 0 | 0 | | |
| JACKSONVILLE | 93 | 70 | 96 | 63 | 81 | 3 | 0 | -1.2 | 0 | 0 | 96 | 50 | 5 | 0 | 0 | 0 | | |
| KEY WEST | 89 | 79 | 90 | 76 | 84 | 1 | .1 | -.9 | .1 | .1 | 10 | 67 | 59 | 2 | 0 | 2 | | |
| MIAMI | 87 | 76 | 93 | 74 | 82 | 2 | .1 | -1.9 | 0 | .1 | 5 | 90 | 62 | 1 | 0 | 0 | | |
| ORLANDO | 92 | 68 | 96 | 65 | 80 | 1 | T | -1.3 | T | 0 | --- | 48 | 5 | 0 | 1 | 0 | | |
| TALLAHASSEE | 94 | 68 | 96 | 63 | 81 | 2 | 0 | -1.3 | 0 | 0 | 95 | 49 | 7 | 0 | 0 | 0 | | |
| TAMPA | 90 | 73 | 92 | 67 | 81 | 1 | 0 | -1.2 | 0 | 0 | 90 | 54 | 4 | 0 | 0 | 0 | | |
| WEST PALM BEACH | 89 | 75 | 93 | 71 | 82 | 2 | T | -1.8 | T | 0 | 78 | 55 | 3 | 0 | 1 | 0 | | |
| GA ATLANTA | 91 | 71 | 93 | 68 | 81 | 7 | 0 | -.8 | 0 | 0 | 84 | 45 | 5 | 0 | 0 | 0 | | |
| AUGUSTA | 93 | 68 | 97 | 62 | 81 | 4 | 0 | -.8 | 0 | 0 | 85 | 39 | 6 | 0 | 0 | 0 | | |
| MACON | 95 | 70 | 97 | 67 | 82 | 4 | T | -.8 | T | 0 | 95 | 44 | 7 | 0 | 1 | 0 | | |
| SAVANNAH | 91 | 70 | 96 | 65 | 81 | 3 | T | -1.2 | T | 0 | 88 | 49 | 4 | 0 | 0 | 0 | | |
| HI HILO | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |
| HONOLULU | 85 | 72 | 86 | 68 | 78 | 0 | .4 | .3 | .3 | 0 | 84 | 55 | 0 | 0 | 2 | 0 | | |
| KAHULUI | --- | --- | --- | --- | --- | --- | 0 | -.4 | 0 | 0 | --- | --- | 0 | 0 | 0 | 0 | | |
| LIHUE | --- | --- | --- | --- | 77 | 0 | .3 | -.1 | --- | .3 | 75 | --- | 0 | 0 | 0 | 0 | | |
| ID BOISE | 68 | 42 | 87 | 37 | 55 | -7 | .1 | -1.2 | .1 | .1 | 33 | 84 | 34 | 0 | 2 | 0 | | |
| LEWISTON | 71 | 47 | 88 | 43 | 59 | -4 | .1 | -.4 | .1 | .1 | 20 | 82 | 37 | 0 | 3 | 0 | | |
| POCATELLO | 62 | 40 | 79 | 35 | 51 | -8 | .8 | .4 | .5 | .8 | 200 | 90 | 49 | 0 | 4 | 0 | | |
| IL CAIRO | 91 | 73 | 96 | 62 | 82 | 7 | .2 | -.9 | .2 | .2 | 18 | --- | 5 | 0 | 1 | 0 | | |
| CHICAGO | 75 | 54 | 81 | 49 | 65 | -1 | 1.4 | .5 | .6 | 1.4 | 156 | 84 | 52 | 0 | 2 | 1 | | |
| MOLINE | 80 | 61 | 89 | 53 | 71 | 2 | 1.0 | 0 | .5 | 1.0 | 100 | 83 | 51 | 0 | 3 | 1 | | |
| PEORIA | 79 | 62 | 86 | 55 | 71 | 1 | 4.5 | 3.6 | 4.4 | 4.5 | 500 | 86 | 59 | 0 | 2 | 1 | | |
| ROCKFORD | 83 | 59 | 107 | 49 | 71 | 4 | 3.6 | 2.6 | 2.2 | 3.6 | 360 | 88 | 49 | 1 | 4 | 3 | | |
| SPRINGFIELD | 82 | 64 | 90 | 58 | 73 | 2 | .5 | -.4 | .3 | .5 | 56 | 86 | 61 | 1 | 3 | 0 | | |
| IN EVANSVILLE | 86 | 65 | 94 | 52 | 76 | 3 | 1.3 | .4 | 1.3 | 1.3 | 144 | 76 | 44 | 3 | 0 | 1 | | |
| FORT WAYNE | 76 | 59 | 84 | 50 | 67 | 0 | 1.0 | .1 | .9 | 1.0 | 111 | 89 | 54 | 0 | 3 | 1 | | |
| INDIANAPOLIS | 80 | 61 | 88 | 52 | 71 | 1 | 1.6 | .6 | 1.5 | 1.6 | 160 | 85 | 54 | 0 | 2 | 1 | | |
| SOUTH BEND | 75 | 57 | 82 | 48 | 66 | 0 | 1.8 | 1.0 | 1.1 | 1.8 | 225 | 88 | 68 | 0 | 3 | 1 | | |
| IA BURLINGTON | 80 | 62 | 88 | 52 | 71 | 2 | 2.5 | 1.4 | 2.2 | 2.5 | 227 | --- | 0 | 0 | 4 | 1 | | |
| DES MOINES | 81 | 61 | 91 | 50 | 71 | 3 | 1.8 | .6 | 1.2 | 1.8 | 150 | 80 | 49 | 1 | 4 | 1 | | |
| DUBUQUE | 77 | 59 | 85 | 50 | 68 | 3 | 2.1 | -.9 | 1.4 | 2.1 | 175 | 89 | 61 | 0 | 5 | 2 | | |
| KS SIOUX CITY | 80 | 59 | 92 | 46 | 70 | 2 | .1 | -1.0 | .1 | .1 | 9 | 87 | 54 | 1 | 0 | 0 | | |
| CONCORDIA | 86 | 64 | 95 | 54 | 75 | 5 | T | -1.2 | T | 0 | 90 | 48 | 2 | 0 | 0 | 0 | | |
| DODGE CITY | 88 | 65 | 96 | 53 | 76 | 5 | T | -.8 | T | 0 | 78 | 43 | 4 | 0 | 0 | 0 | | |
| GOODLAND | 82 | 54 | 92 | 49 | 68 | 2 | 0 | -.7 | 0 | 0 | 73 | 27 | 2 | 0 | 0 | 0 | | |
| TOPEKA | 86 | 67 | 91 | 57 | 76 | 5 | .1 | -1.2 | .1 | .1 | 8 | 82 | 53 | 2 | 0 | 0 | | |
| WICHITA | 87 | 67 | 94 | 58 | 77 | 4 | T | -1.0 | T | 0 | 83 | 43 | 2 | 0 | 0 | 0 | | |
| KY LEXINGTON | 83 | 64 | 89 | 48 | 73 | 2 | T | -1.0 | T | 0 | 81 | 46 | 0 | 0 | 1 | 0 | | |
| LUSVILLE | 86 | 67 | 93 | 53 | 77 | 5 | .6 | -.4 | .6 | .6 | 60 | 78 | 46 | 3 | 0 | 1 | | |

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending June 8, 1980

| States and Stations | Temperature °F | | | | | | Precipitation | | | | | Relative Humidity, percent | | Number of Days | | | |
|---------------------|-----------------|-----------------|--------------|-------------|---------|-----------------------|-------------------|-----------------------|---------------------------|--------------------------|--------------------------|----------------------------|-----------------|----------------|--------------|------------------|------------------|
| | Average maximum | Average minimum | Extreme high | Extreme low | Average | Departure from normal | Weekly total, in. | Departure from normal | Greatest in 24-hours, in. | Total, in., since June 2 | Pct. normal since June 2 | Average maximum | Average minimum | Temperature °F | | Precipitation | |
| | | | | | | | | | | | | | | 90 and above | 32 and below | .01 inch or more | .50 inch or more |
| LA BATON ROUGE | 93 | 74 | 95 | 69 | 83 | 4 | 0 | -.8 | 0 | 0 | 0 | 90 | 50 | 7 | 0 | 0 | 0 |
| LA LAKE CHARLES | 89 | 72 | 93 | 68 | 81 | 1 | 0 | -1.1 | 0 | 0 | 0 | 100 | 61 | 2 | 0 | 0 | 0 |
| LA NEW ORLEANS | 93 | 73 | 96 | 69 | 83 | 4 | T | -1.0 | T | T | 0 | 94 | 52 | 6 | 0 | 0 | 0 |
| LA SHREVEPORT | 94 | 74 | 98 | 71 | 84 | 6 | T | -.8 | .1 | .1 | 11 | 93 | 49 | 7 | 0 | 0 | 1 |
| ME CARIBOU | 67 | 47 | 80 | 41 | 57 | 0 | 0 | .5 | -.3 | -.1 | .5 | 63 | 67 | 53 | 0 | 0 | 0 |
| ME PORTLAND | 66 | 48 | 73 | 44 | 57 | -2 | 1.0 | .2 | .6 | 1.0 | 125 | 99 | 66 | 0 | 0 | 6 | 6 |
| MD BALTIMORE | 84 | 61 | 93 | 53 | 73 | 2 | 1.3 | .5 | 1.1 | 1.3 | 163 | 87 | 42 | 1 | 0 | 3 | 3 |
| MA BOSTON | 70 | 55 | 74 | 52 | 62 | -3 | .6 | -.2 | .2 | .6 | 75 | 85 | 59 | 0 | 0 | 6 | 0 |
| MA CHATHAM | 64 | 53 | 67 | 50 | 59 | -1 | 1.0 | -.1 | .6 | 1.0 | 125 | 97 | 78 | 0 | 0 | 5 | 1 |
| MI ALPENA | 64 | 43 | 70 | 37 | 54 | -4 | 1.2 | .5 | .9 | 1.2 | 171 | -- | -- | 0 | 0 | 3 | 3 |
| MI DETROIT | 73 | 54 | 83 | 46 | 64 | -2 | 4.1 | 3.3 | 1.5 | 4.1 | 512 | 69 | 57 | 0 | 0 | 4 | 3 |
| MI FLINT | 71 | 51 | 77 | 43 | 61 | -2 | 1.3 | .5 | .6 | 1.3 | 163 | 80 | 56 | 0 | 0 | 6 | 1 |
| MI GRAND RAPIDS | 74 | 52 | 79 | 43 | 63 | -2 | 2.3 | 1.5 | .9 | 2.3 | 287 | 91 | 55 | 0 | 0 | 4 | 3 |
| MI HOUGHTON LAKE | 70 | 45 | 79 | 38 | 58 | -3 | 1.0 | .2 | .4 | 1.0 | 125 | 94 | 56 | 0 | 0 | 3 | 0 |
| MI LANSING | 73 | 52 | 81 | 44 | 63 | -2 | 2.0 | 1.2 | .8 | 2.0 | 250 | 83 | 55 | 0 | 0 | 3 | 3 |
| MI MARQUETTE | 64 | 41 | 77 | 32 | 53 | -4 | 1.3 | .5 | 1.0 | 1.3 | 163 | 92 | 54 | 0 | 1 | 5 | 1 |
| MI MUSKEGON | 70 | 50 | 78 | 43 | 60 | -3 | 2.8 | 2.2 | 1.3 | 2.8 | 467 | 91 | 57 | 0 | 0 | 5 | 3 |
| MI SAULT STE. MARIE | 63 | 40 | 72 | 33 | 52 | -5 | 1.2 | .4 | .8 | 1.2 | 150 | 87 | 59 | 0 | 0 | 4 | 1 |
| MI DULUTH | 68 | 47 | 79 | 40 | 57 | 1 | .4 | -.6 | .3 | .4 | 40 | 89 | 43 | 0 | 0 | 2 | 0 |
| MI INT'L FALLS | 70 | 47 | 79 | 40 | 59 | 1 | .1 | -.7 | T | .1 | 13 | 81 | 43 | 0 | 0 | 3 | 0 |
| MI MINNEAPOLIS | 76 | 54 | 81 | 45 | 65 | 1 | 4.0 | 3.1 | 2.5 | 4.0 | 444 | 87 | 45 | 0 | 0 | 3 | 2 |
| MI ROCHESTER | 76 | 53 | 82 | 42 | 64 | 1 | 1.4 | .3 | .8 | 1.4 | 127 | 76 | 53 | 0 | 0 | 3 | 1 |
| MI SAINT CLOUD | 74 | 51 | 80 | 42 | 62 | 0 | 2.0 | .9 | 1.6 | 2.0 | 0 | 182 | 0 | 0 | 0 | 4 | 1 |
| MS JACKSON | 93 | 70 | 96 | 67 | 81 | 4 | 0 | -.8 | 0 | 0 | 0 | 98 | 47 | 7 | 0 | 0 | 0 |
| MS MERIDAN | 92 | 67 | 93 | 64 | 79 | 2 | .8 | 0 | .8 | .8 | 100 | 98 | 51 | 7 | 0 | 1 | 1 |
| MO COLUMBIA | 84 | 67 | 92 | 55 | 76 | 5 | T | -1.1 | T | T | 0 | 84 | 54 | 2 | 0 | 0 | 0 |
| MO KANSAS CITY | 85 | 65 | 91 | 54 | 75 | 5 | T | -1.3 | T | T | 0 | 88 | 53 | 1 | 0 | 2 | 0 |
| MO SAINT LOUIS | 86 | 68 | 93 | 57 | 77 | 4 | .5 | -.5 | .5 | .5 | 50 | 76 | 45 | 3 | 0 | 2 | 0 |
| MO SPRINGFIELD | 87 | 67 | 92 | 54 | 77 | 6 | .1 | -1.0 | .1 | .1 | 9 | 91 | 47 | 3 | 0 | 1 | 0 |
| MT BILLINGS | 70 | 49 | 75 | 45 | 60 | 0 | .2 | -.4 | .2 | .2 | 33 | 67 | 35 | 0 | 0 | 2 | 0 |
| MT GLASGOW | 73 | 49 | 80 | 42 | 61 | 2 | .4 | -.2 | .3 | .4 | 67 | 83 | 36 | 0 | 0 | 2 | 0 |
| MT GREAT FALLS | 62 | 43 | 73 | 40 | 52 | -5 | 1.5 | .7 | 1.3 | 1.5 | 188 | 76 | 40 | 0 | 0 | 3 | 1 |
| MT HAVRE | 69 | 45 | 79 | 41 | 57 | -3 | .1 | -.5 | .1 | .1 | 17 | 87 | 35 | 0 | 0 | 2 | 0 |
| MT HELENA | 62 | 41 | 76 | 37 | 52 | -4 | .8 | -.2 | .4 | .8 | 133 | 87 | 41 | 0 | 0 | 3 | 0 |
| MT KALISPELL | 63 | 38 | 78 | 32 | 51 | -4 | 1.0 | .4 | .7 | 1.0 | 167 | 95 | 48 | 0 | 1 | 3 | 1 |
| MT MILES CITY | 74 | 51 | 82 | 41 | 62 | 0 | .2 | -.6 | .2 | .2 | 25 | 81 | 34 | 0 | 0 | 1 | 0 |
| MT MISSOULA | 62 | 41 | 79 | 37 | 52 | -5 | 1.1 | .6 | .5 | 1.1 | 220 | 93 | 52 | 0 | 0 | 4 | 0 |
| NE GRAND ISLAND | 83 | 60 | 96 | 47 | 72 | 4 | 3.0 | 1.9 | 2.7 | 3.0 | 273 | 91 | 49 | 2 | 0 | 2 | 1 |
| NE LINCOLN | 83 | 63 | 92 | 40 | 73 | 4 | 1.5 | .3 | 1.0 | 1.5 | 125 | 91 | 54 | 2 | 0 | 2 | 1 |
| NE NORFOLK | 84 | 59 | 96 | 45 | 72 | 4 | .7 | -.5 | .6 | .7 | 58 | 90 | 40 | 1 | 0 | 2 | 1 |
| NE NORTH PLATTE | 83 | 60 | 93 | 50 | 71 | 6 | .6 | -.3 | .6 | .6 | 67 | 79 | 42 | 2 | 0 | 1 | 1 |
| NE OMAHA | 81 | 63 | 89 | 50 | 72 | 4 | 4.1 | 2.9 | 2.0 | 4.1 | 342 | 92 | 43 | 0 | 0 | 5 | 2 |
| NE VALENTINE | 80 | 55 | 88 | 40 | 67 | 3 | .4 | -.4 | .2 | .4 | 50 | 82 | 42 | 0 | 0 | 3 | 0 |
| NV ELY | 70 | 35 | 79 | 31 | 52 | -2 | .5 | .3 | .5 | .5 | 250 | 83 | 20 | 0 | 2 | 1 | 1 |
| NV LAS VEGAS | 91 | 64 | 98 | 60 | 77 | -2 | 0 | 0 | 0 | 0 | 0 | 27 | 9 | 2 | 0 | 0 | 0 |
| NV RENO | 68 | 38 | 84 | 30 | 53 | -6 | .1 | 0 | .1 | .1 | 100 | 81 | 23 | 0 | 1 | 1 | 0 |
| NV WINNEMUCCA | 66 | 37 | 86 | 32 | 52 | -7 | .4 | -.1 | .2 | .4 | 133 | 68 | 33 | 0 | 1 | 4 | 0 |
| NH CONCORD | 70 | 49 | 78 | 38 | 59 | -3 | .9 | .1 | .5 | .9 | 113 | 88 | 52 | 0 | 0 | 4 | 1 |
| NJ ATLANTIC CITY | 82 | 55 | 90 | 45 | 68 | 0 | 1.2 | .4 | .6 | 1.2 | 150 | 84 | 41 | 1 | 0 | 5 | 1 |
| NJ TRENTON | 80 | 60 | 88 | 51 | 70 | 1 | .5 | -.2 | .2 | .5 | 71 | -- | -- | 0 | 0 | 4 | 0 |
| NM ALBUQUERQUE | 91 | 50 | 98 | 40 | 71 | -1 | 0 | -.1 | 0 | 0 | 0 | 31 | 8 | 5 | 0 | 0 | 0 |
| NM ROSWELL | 99 | 65 | 106 | 58 | 82 | 7 | T | -.3 | T | T | 0 | -- | -- | 6 | 0 | 0 | 0 |
| NY ALBANY | 73 | 51 | 78 | 42 | 62 | -3 | 1.0 | .3 | .5 | 1.0 | 143 | 92 | 52 | 0 | 0 | 4 | 1 |
| NY BINGHAMTON | 71 | 51 | 78 | 36 | 61 | -2 | .5 | -.3 | .2 | .5 | 63 | 90 | 50 | 0 | 0 | 3 | 0 |
| NY BUFFALO | 70 | 52 | 77 | 40 | 61 | -2 | 2.7 | 2.1 | 2.4 | 2.7 | 450 | 84 | 66 | 0 | 0 | 3 | 1 |
| NY NEW YORK | 78 | 62 | 84 | 51 | 70 | 1 | 2.1 | 1.4 | .8 | 2.1 | 300 | 82 | 46 | 0 | 0 | 4 | 3 |
| NY ROCHESTER | 72 | 50 | 76 | 39 | 61 | -3 | 4.5 | 3.9 | 2.2 | 4.5 | 750 | 87 | 51 | 0 | 0 | 3 | 1 |
| NY SYRACUSE | 72 | 50 | 78 | 40 | 61 | -3 | 1.7 | 1.0 | .6 | 1.7 | 243 | 95 | 56 | 0 | 0 | 5 | 1 |
| NC ASHEVILLE | 85 | 63 | 90 | 60 | 74 | 5 | 0 | -.8 | 0 | 0 | 0 | 93 | 50 | 1 | 0 | 0 | 0 |
| NC CHARLOTTE | 88 | 66 | 93 | 62 | 77 | 3 | 0 | -.8 | 0 | 0 | 0 | 86 | 46 | 2 | 0 | 0 | 0 |
| NC GREENSBORO | 85 | 62 | 91 | 53 | 74 | 1 | T | -.8 | T | T | 0 | 90 | 46 | 1 | 0 | 0 | 0 |
| NC HATTERAS | 81 | 69 | 83 | 54 | 75 | 3 | .3 | -.7 | .3 | .3 | 30 | 87 | 56 | 0 | 0 | 3 | 0 |
| NC RALEIGH | 89 | 65 | 95 | 58 | 77 | 5 | .5 | -.3 | .3 | .5 | 63 | 94 | 47 | 4 | 0 | 2 | 0 |
| NC WILMINGTON | 88 | 67 | 94 | 57 | 78 | 2 | .5 | -.6 | .5 | .5 | 45 | 87 | 47 | 3 | 0 | 1 | 0 |
| ND BISMARCK | 75 | 52 | 82 | 42 | 63 | 2 | .7 | -.1 | .2 | .7 | 87 | 83 | 41 | 0 | 0 | 4 | 0 |
| ND FARGO | 72 | 52 | 79 | 44 | 62 | 0 | 1.1 | .4 | .5 | 1.1 | 157 | 90 | 46 | 0 | 0 | 4 | 0 |
| ND WILLISTON | 76 | 50 | 83 | 43 | 63 | 3 | .5 | -.2 | .4 | .5 | 71 | 83 | 31 | 0 | 0 | 2 | 0 |
| OH AKRON-CANTON | 76 | 54 | 82 | 44 | 65 | -1 | 2.8 | 2.0 | .8 | 2.8 | 350 | 93 | 48 | 0 | 0 | 5 | 2 |
| OH CINCINNATI | 83 | 63 | 90 | 50 | 73 | 3 | 1.0 | .2 | 1.0 | 1.0 | 125 | 81 | 48 | 1 | 0 | 2 | 1 |
| OH CLEVELAND | 76 | 52 | 84 | 41 | 64 | -1 | 1.3 | .5 | .3 | 1.3 | 163 | 86 | 51 | 0 | 0 | 4 | 0 |
| OH COLUMBUS | 79 | 60 | 88 | 49 | 70 | 1 | 2.5 | 1.6 | 2.1 | 2.5 | 278 | 88 | 51 | 0 | 0 | 2 | 1 |
| OH DAYTON | 80 | 59 | 88 | 51 | 70 | 0 | 2.5 | 1.6 | 2.0 | 2.5 | 278 | 84 | 55 | 0 | 0 | 2 | 1 |
| OH TOLEDO | 76 | 57 | 86 | 44 | 66 | 0 | 1.0 | .2 | .6 | 1.0 | 125 | 88 | 50 | 0 | 0 | 4 | 1 |
| OH YOUNGSTOWN | 74 | 49 | 80 | 38 | 62 | -3 | 1.7 | .9 | .8 | 1.7 | 212 | 99 | 52 | 0 | 0 | 5 | 2 |

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending June 8, 1980

| States and Stations | Temperature °F | | | | | | Precipitation | | | | | Relative Humidity, percent | | Number of Days | | | |
|---------------------|-----------------|-----------------|--------------|-------------|---------|-----------------------|-------------------|-----------------------|---------------------------|--------------------------|--------------------------|----------------------------|-----------------|----------------|--------------|------------------|------------------|
| | Average maximum | Average minimum | Extreme high | Extreme low | Average | Departure from normal | Weekly total, in. | Departure from normal | Greatest in 24-hours, in. | Total, in., since June 2 | Pct. normal since June 2 | Average maximum | Average minimum | Temperature °F | | Precipitation | |
| | | | | | | | | | | | | | | 90 and above | 32 and below | .01 inch or more | .50 inch or more |
| OK OKLAHOMA CITY | 87 | 72 | 96 | 64 | 80 | 5 | T | -1.1 | T | T | 0 | 72 | 48 | 2 | J | 0 | 0 |
| OK TULSA | 91 | 75 | 97 | 67 | 83 | 8 | T | -1.2 | T | T | 0 | 73 | 50 | 6 | C | 0 | 0 |
| OR ASTORIA | 60 | 47 | 64 | 37 | 53 | -2 | .2 | -.4 | .1 | .2 | 33 | 94 | 67 | 0 | 0 | 0 | 0 |
| OR BURNS | 54 | 30 | 59 | 23 | 47 | -9 | .3 | 0 | .1 | .3 | 100 | 92 | 44 | 0 | 0 | 3 | 4 |
| OR MEDFORD | 68 | 47 | 76 | 44 | 58 | -4 | .8 | .5 | .5 | .8 | 267 | 90 | 44 | 0 | 0 | 5 | 5 |
| OR PENDLETON | 67 | 44 | 80 | 41 | 56 | -7 | .4 | .1 | .4 | .4 | 133 | 37 | 0 | 0 | 0 | 2 | 2 |
| OR PORTLAND | 67 | 50 | 73 | 45 | 58 | -2 | 1.0 | .6 | .3 | 1.0 | 250 | 91 | 52 | 0 | 0 | 6 | 6 |
| OR SALEM | 65 | 46 | 73 | 39 | 56 | -4 | .6 | .2 | .3 | .6 | 150 | 96 | 55 | 0 | 0 | 3 | 3 |
| PA ALLENTOWN | 79 | 57 | 85 | 49 | 68 | 1 | 1.1 | .3 | .7 | 1.1 | 137 | 83 | 47 | 0 | 0 | 4 | 4 |
| PA ERIE | 71 | 52 | 78 | 42 | 61 | -2 | 3.1 | 2.3 | 1.5 | 3.1 | 388 | -- | -- | 0 | 0 | 5 | 5 |
| PA HARRISBURG | 79 | 58 | 90 | 51 | 69 | 0 | .7 | -.1 | .2 | .7 | 87 | 90 | 47 | 1 | 1 | 0 | 0 |
| PA PHILADELPHIA | 82 | 60 | 88 | 51 | 71 | 1 | .5 | -.3 | .2 | .5 | 63 | 89 | 41 | 0 | 0 | 5 | 5 |
| PA PITTSBURGH | 76 | 54 | 83 | 46 | 65 | -2 | 2.2 | 1.4 | 1.0 | 2.2 | 275 | 89 | 51 | 0 | 0 | 5 | 5 |
| PA SCRANTON | 75 | 56 | 81 | 46 | 65 | 0 | 1.2 | .5 | 1.0 | 1.2 | 163 | 78 | 42 | 0 | 0 | 3 | 3 |
| RI PROVIDENCE | 71 | 54 | 77 | 47 | 63 | -1 | 2.5 | 1.8 | 1.4 | 2.5 | 357 | 88 | 54 | 0 | 0 | 6 | 6 |
| SC CHARLESTON | 88 | 69 | 94 | 64 | 78 | 2 | T | -1.2 | T | T | 0 | 95 | 53 | 3 | 0 | 0 | 0 |
| SC COLUMBIA | 91 | 67 | 95 | 64 | 79 | 2 | .2 | -.6 | .2 | .2 | 25 | 96 | 36 | 5 | 0 | 1 | 0 |
| SC GREENVILLE | 88 | 68 | 94 | 63 | 78 | 4 | T | -.9 | T | T | 0 | 83 | 44 | 4 | 0 | 0 | 0 |
| SD ABERDEEN | 71 | 55 | 78 | 42 | 63 | 0 | .8 | 0 | .6 | .8 | 100 | 91 | 56 | 0 | 0 | 1 | 1 |
| SD HURON | 74 | 53 | 82 | 40 | 64 | 0 | 1.3 | -.4 | .7 | 1.3 | 144 | 86 | 59 | 0 | 0 | 4 | 4 |
| SD RAPID CITY | 77 | 50 | 90 | 42 | 63 | 2 | .3 | -.6 | .2 | .3 | 33 | 88 | 38 | 1 | 0 | 2 | 2 |
| SD SIOUX FALLS | 75 | 55 | 86 | 40 | 65 | 0 | 1.7 | -.7 | .9 | 1.7 | 170 | 83 | 54 | 0 | 0 | 0 | 0 |
| TN CHATTANOOGA | 89 | 66 | 91 | 63 | 77 | 3 | 0 | -.8 | 0 | 0 | 0 | 90 | 42 | 3 | 0 | 0 | 0 |
| TN KNOXVILLE | 88 | 68 | 92 | 59 | 78 | 4 | 0 | -.8 | 0 | 0 | 0 | 89 | 51 | 1 | 0 | 0 | 0 |
| TN MEMPHIS | 92 | 75 | 95 | 68 | 84 | 7 | T | -.8 | T | T | 0 | 72 | 45 | 6 | 0 | 0 | 0 |
| TN NASHVILLE | 89 | 68 | 93 | 55 | 79 | 4 | .1 | -.7 | .1 | .1 | 13 | 89 | 45 | 3 | 0 | 1 | 1 |
| TX ABILENE | 91 | 72 | 98 | 69 | 82 | 4 | .4 | -.4 | .4 | .4 | 50 | 79 | 44 | 5 | 0 | 0 | 0 |
| TX AMARILLO | 90 | 62 | 101 | 53 | 76 | 4 | T | -.8 | T | T | 0 | 73 | 29 | 4 | 0 | 0 | 0 |
| TX AUSTIN | 93 | 75 | 94 | 73 | 84 | 4 | T | -.8 | T | T | 0 | 93 | 49 | 7 | 0 | 0 | 0 |
| TX BEAUMONT | 91 | 73 | 95 | 68 | 82 | 3 | 0 | -1.1 | 0 | 0 | 0 | 91 | 55 | 6 | 0 | 0 | 0 |
| TX BROWNSVILLE | 93 | 79 | 95 | 74 | 86 | 4 | 0 | -.7 | 0 | 0 | 0 | 85 | 52 | 7 | 0 | 0 | 0 |
| TX CORPUS CHRISTI | 90 | 76 | 92 | 73 | 83 | 2 | 0 | -.7 | 0 | 0 | 0 | 91 | 56 | 6 | 0 | 0 | 0 |
| TX DEL RIO | 95 | 75 | 101 | 73 | 85 | 2 | T | -.6 | T | T | 0 | 85 | 43 | 7 | 0 | 0 | 0 |
| TX EL PASO | 101 | 63 | 110 | 52 | 82 | 4 | T | -.6 | T | T | 0 | 23 | 8 | 7 | 0 | 0 | 0 |
| TX FORT WORTH | 95 | 74 | 101 | 71 | 85 | 7 | T | -.8 | T | T | 0 | 86 | 39 | 6 | 0 | 0 | 0 |
| TX GALVESTON | 83 | 77 | 85 | 76 | 80 | 0 | .1 | -.8 | .1 | .1 | 11 | 74 | 75 | 0 | 0 | 2 | 0 |
| TX HOUSTON | 95 | 75 | 99 | 70 | 85 | 5 | 0 | -1.1 | 0 | 0 | 0 | 92 | 48 | 7 | 0 | 0 | 0 |
| TX LUBBOCK | 94 | 69 | 105 | 64 | 81 | 6 | .1 | -.6 | .1 | .1 | 14 | 76 | 34 | 6 | 0 | 2 | 1 |
| TX MIDLAND | 95 | 68 | 105 | 62 | 81 | 3 | 1.4 | 1.0 | 1.2 | 1.4 | 350 | 69 | 27 | 6 | 0 | 2 | 1 |
| TX SAN ANGELO | 91 | 72 | 100 | 67 | 82 | 2 | .8 | -.3 | .8 | .8 | 160 | 77 | 38 | 5 | 0 | 1 | 1 |
| TX SAN ANTONIO | 92 | 76 | 95 | 75 | 84 | 3 | T | -.7 | T | T | 0 | 84 | 46 | 7 | 0 | 0 | 0 |
| TX VICTORIA | 91 | 73 | 93 | 71 | 82 | 2 | T | -.8 | T | T | 0 | 95 | 56 | 6 | 0 | 0 | 0 |
| TX WACO | 93 | 74 | 96 | 72 | 84 | 4 | .1 | -.7 | .1 | .1 | 13 | 86 | 45 | 6 | 0 | 1 | 0 |
| TX WICHITA FALLS | 92 | 69 | 102 | 64 | 81 | 2 | .2 | -.7 | .2 | .2 | 22 | 82 | 44 | 4 | 0 | 1 | 0 |
| UT BLANDING | 80 | 44 | 85 | 38 | 62 | -1 | 0 | -.1 | 0 | 0 | 0 | 56 | 11 | 0 | 0 | 0 | 0 |
| UT SALT LAKE CITY | 70 | 46 | 81 | 42 | 58 | -5 | .4 | 0 | .3 | .4 | 100 | 86 | 53 | 0 | 0 | 1 | 0 |
| VT BURLINGTON | 73 | 53 | 79 | 43 | 63 | 0 | .4 | -.4 | .2 | .4 | 50 | 86 | 53 | 0 | 0 | 6 | 0 |
| VA LYNCHBURG | 83 | 62 | 90 | 55 | 73 | 2 | .3 | -.5 | .3 | .3 | 37 | 81 | -- | 0 | 0 | 2 | 0 |
| VA NORFOLK | 84 | 67 | 92 | 60 | 76 | 3 | .3 | -.5 | .2 | .3 | 37 | 78 | 50 | 2 | 0 | 2 | 0 |
| VA RICHMOND | 86 | 62 | 92 | 53 | 74 | 2 | .1 | -.6 | .1 | .1 | 14 | 83 | 46 | 3 | 0 | 1 | 0 |
| VA ROANOKE | 84 | 61 | 89 | 48 | 72 | 2 | 1.1 | -.3 | 1.1 | 1.1 | 137 | 74 | 43 | 0 | 0 | 1 | 1 |
| WA COLEVILLE | 67 | 43 | 83 | 35 | 55 | -4 | .4 | 0 | .2 | .4 | 100 | -- | -- | 0 | 0 | 6 | 0 |
| WA OMAK | 68 | 45 | 82 | 38 | 57 | -4 | .5 | -.2 | .4 | .5 | 167 | 84 | 56 | 0 | 0 | 3 | 0 |
| WA QUILLAYUTE | 59 | 45 | 64 | 36 | 52 | -2 | .8 | -.1 | .6 | .8 | 89 | 91 | 67 | 0 | 0 | 4 | 1 |
| WA SEATTLE-TACOMA | 62 | 47 | 68 | 44 | 55 | -3 | .8 | -.4 | .3 | .8 | 200 | 89 | 55 | 0 | 0 | 5 | 0 |
| WA SPOKANE | 65 | 41 | 83 | 36 | 53 | -6 | .1 | -.3 | .1 | .1 | 25 | 92 | 42 | 0 | 0 | 1 | 0 |
| WA WALLA-WALLA | 70 | 49 | 83 | 46 | 59 | -4 | T | -.4 | T | T | 0 | 79 | 38 | 0 | 0 | 0 | 0 |
| WA YAKIMA | 70 | 43 | 83 | 35 | 57 | -6 | T | -.2 | T | T | 0 | 75 | 33 | 0 | 0 | 0 | 0 |
| WV BECKLEY | 76 | 55 | 80 | 44 | 66 | 0 | 2.0 | -1.0 | 1.7 | 2.0 | 200 | 82 | 49 | 0 | 0 | 3 | 1 |
| WV CHARLESTON | 82 | 59 | 87 | 47 | 70 | 0 | .6 | -.1 | .4 | .6 | 86 | 74 | 47 | 0 | 0 | 3 | 0 |
| WV HUNTINGTON | 83 | 62 | 90 | 52 | 73 | 2 | .5 | -.3 | .2 | .5 | 63 | 81 | 48 | 1 | 0 | 3 | 0 |
| WV PARKERSBURG | 80 | 60 | 86 | 53 | 70 | 0 | 1.6 | -.7 | .6 | 1.6 | 178 | 77 | 45 | 0 | 0 | 3 | 2 |
| WI GREEN BAY | 70 | 51 | 78 | 41 | 60 | -2 | 2.9 | 2.3 | 1.5 | 2.9 | 362 | 83 | 62 | 0 | 0 | 3 | 2 |
| WI LA CROSSE | 78 | 58 | 85 | 51 | 68 | 2 | 2.3 | 1.3 | 1.6 | 2.3 | 230 | 88 | 51 | 0 | 0 | 3 | 3 |
| WI MADISON | 76 | 53 | 82 | 45 | 65 | 1 | 2.6 | 1.6 | 1.0 | 2.6 | 260 | 83 | 50 | 0 | 0 | 5 | 2 |
| WI MILWAUKEE | 69 | 51 | 83 | 48 | 60 | -2 | 4.1 | 3.3 | 1.6 | 4.1 | 512 | 88 | 56 | 0 | 0 | 4 | 4 |
| WY CASPER | 76 | 42 | 82 | 39 | 59 | 0 | 0 | -.4 | T | T | 0 | 83 | 22 | 0 | 0 | 0 | 0 |
| WY CHEYENNE | 76 | 44 | 84 | 42 | 60 | 2 | T | -.6 | T | T | 0 | 60 | 26 | 0 | 0 | 1 | 0 |
| WY LANDER | 72 | 41 | 77 | 35 | 56 | -2 | T | -.5 | T | T | 0 | 85 | 35 | 0 | 0 | 1 | 0 |
| WY SHERIDAN | 69 | 43 | 77 | 38 | 56 | -2 | .6 | -.1 | .5 | .6 | 86 | 92 | 48 | 0 | 0 | 3 | 1 |
| PR SAN JUAN | 92 | 78 | 95 | 77 | 85 | 5 | .1 | -1.4 | .1 | .1 | 7 | 90 | 58 | 6 | 0 | 3 | 0 |

Based on preliminary reports and 1941-70 normals

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 ESCS State offices in cooperation with the National Weather Service.

ALABAMA: Temperatures 4° above normal. Highs in 90's before cold front on 8th. Scattered thunder-showers 8th.

Fieldwork: 5.9 days suitable. Soil moisture mostly short. Too dry to plant many areas. Planting progress: Soybeans 70%, 75% 1979, 73% average; sorghum 55%, 58% 1979. Corn 9% silked, 24% 1979. Cotton 6% squaring, 2% 1979. Peanuts 3% pegging, 2% 1979, 6% average. Wheat 36% harvested, 32% 1979, 38% average. Hay 30% harvested. Condition: Corn, cotton fair to good; peanuts, soybeans, wheat, pastures mostly good; sorghum good.

ALASKA: Warmer temperatures and much needed sunshine promoted crop growth throughout the railbelt. Temperatures in the 70 to 80° range prevailed although scattered frost reported in Salcha area 7th. Condition of oat and barley average. Potatoes, other vegetables average condition. Emergence mostly good. Growers had up to 7 days suitable for fieldwork. Topsoil moisture short but subsoil adequate.

Tanana Valley warm and no rain. Early and late in the week temperatures were about 5° below normal. Light rain fell early week. Matanuska Valley temperatures in 60's to low 70's under mostly sunny skies. Rain fell early week. Seasonal rainfall above average. Kenai Peninsula temperatures were above normal with little rainfall. Kodiak Island was warm and sunny. Average temperatures were about 15° above normal with no rainfall. Seasonal rainfall above normal.

ARIZONA: Average temperatures ranged from near normal to 7° below. No precipitation.

Small grain harvest active, over 50% of crop harvested. Cotton 99% planted, same as last year. Approximately 26% of the stands squaring. Corn, sorghum planting virtually complete and emerged. Safflower continues setting seed. Sugarbeet harvest continues. Third cutting alfalfa continues except southwestern where fourth cuttings have begun. Lettuce harvest in progress. Harvest of mixed vegetables, cabbage, carrots, green onions, making good progress. Dry onion harvest over 50% complete. Potato harvest continues in full swing. Watermelons, cantaloups making good progress. Earlier planted fruit sizing well, limited harvest of each. Grapefruit, Valencia orange harvest continues. New crop prospects generally good. Range and pasture lands remain mostly fair to good north but very poor to fair conditions south. Ranges providing average or greater amounts of feed north, southern ranges below average amounts. Water supplies adequate in northern, shortages in south. Cattle, calves remain fair to good condition.

ARKANSAS: Hot, dry weather prevailed. Highest temperature 99°, lowest 60°. All departures from normal +2 to +7. Most rainfall 0.44 in., least zero.

Fieldwork: 6.0 days suitable. Soil moisture adequate, rainfall needed some counties for seed germination. Soybean seeding 52% complete, 26% 1979, 59% average. Rice 96% planted, 88% 1979, 96% average. Cotton 100% planted, 99% 1979, 99% average. Corn 86% seeded, 87% 1979, 94% average. Sorghum 87% planted, 71% 1979, 84% average. Wheat harvest 7%, 3% 1979, 16% average, good condition. Oats good condition, harvest underway. Apples, peaches, tomatoes good condition. Cattle good

condition. Pastures average condition. Some second cutting of hay.

CALIFORNIA: Temperatures averaged much below normal.

Cool weather slowed growth. Rice 88% emerged, same as year earlier. Some growers lowering water levels to establish stands. Winter wheat 85% ripe. Small grains drying rapidly. Harvest underway early varieties. Haying activities normal. Planting dry beans. Sugarbeet harvest continues. Thinning new sugarbeets, cotton active. Major portions of Bing cherry, springcrest freestone peach, navel orange, and desert grapefruit harvest complete. Active lemon, apricot, avocado, desert table grape picking. Walnut crop heavy set. Most asparagus to processing. Snap bean volume still light. Broccoli, cauliflower active coastal counties. Cantaloup harvest increasing desert. Celery increasing Santa Maria, slowing south coast. Sweet corn harvest active Coachella Valley. Lettuce harvest heavy central coast. Planting fall potatoes virtually complete. Digging long whites slowing Kern County, movement centennials ahead of last year. Strawberry volume heavier to processing. Market tomato harvest increasing Imperial Valley. Movement livestock summer ranges and pastures near completion. Range conditions excellent. Cattle, sheep good condition. Milk, egg production normal.

COLORADO: Dry and warm entire week. Temperatures averaged 3 to 6° above normal east, near normal elsewhere. Only precipitation was 0.13 in. in Kansas River Basin.

Winter wheat 98% jointed, 100% 1979, 99% average; 78% headed, 75% 1979, 84% average. Barley 99% seeded, 100% 1979 and average; 95% emerged, 100% 1979 and average. Corn 97% seeded, 100% 1979, 99% average; 88% emerged, 100% 1979, 99% average. Oats 95% seeded, 100% 1979 and average. Sugarbeets 100% seeded, 100% 1979 and average. Spring wheat 100% seeded, 100% 1979. Dry beans 51% seeded, 52% 1979, 55% average; 24% emerged, 21% 1979, 22% average. Sorghum 63% seeded, 72% 1979, 74% average; 43% emerged, 51% 1979. Summer potatoes 97% planted, 100% 1979 and average. Fall potatoes 91% planted, 95% 1979, 99% average. Fieldwork: 6.0 days suitable. Livestock good condition. Fuel supplies adequate.

FLORIDA: Very warm, dry; stagnant high pressure system over State. Few showers and thundershowers dotted southeast coastal areas early week, and central interior and Gulf coastal areas late week, but produced rain amounts mostly under 0.25 in. Rains in excess of 0.50 in. fell with a few isolated thundershowers. No rain north until late on 8th, when showers preceding a cold front brought a few rains of less than 0.25 in. Temperatures averaged near normal with highs near or in 90's and lows 60's and 70's. Rainfall much below normal.

Soil moisture short. Corn fair condition, suffering from lack of moisture. Soybean planting halted due to dry soils. Tobacco harvest increasing. Small grain harvest about complete. Peanuts fair condition. Sugarcane good condition. Peach harvest about complete. Fuel supplies adequate all areas. Grazing conditions declined, due to lack of moisture. Pastures fair to good, fair in drier areas. Hot, dry weather in citrus areas. Supplemental irriga-

tion in full use, especially on sandy soils. Valencia harvest still at near full capacity as both growers and processors try to complete the season. Warm days and mild nights with very little rainfall vegetable growing areas. Daytime highs in 80's and 90's with nighttime lows in 70's. Winds light to moderate, rainfall limited to few widely scattered, light showers. Most crops have completed harvest while others are winding down for season. Crops remaining for harvest generally fair to good condition. Quality, yields declining due to hot, dry weather. Overall vegetable shipments down 8% from previous week. Supplies watermelons increased while eggplant held steady. Shipments snap beans, cabbage, carrots, celery, chinese cabbage, sweet corn, cucumbers, escarole, lettuce, okra, parsley, peppers, potatoes, radishes, squash, tomatoes, decreased. Potato harvest declining Hastings area. Yields improved but some freeze damaged fields not yet harvested. Harvest expected to wind down rapidly after this week. Watermelon supplies decreasing rapidly south-west area, season about complete. Supplies increasing west central area. Quality, size good; peak volume expected this week in area, then decline. Harvest steady through week southeast area then seasonal decline. Disease problems limiting harvest in some fields. Overall quality, size good; yields below normal. Volume increasing north central area as more fields come into production. Size, quality mostly good. Volume very light. North, increasing this week as more early fields mature. Heavy volume expected by mid to late June. Small acreage in west making fair progress.

GEORGIA: Temperatures 5° above normal north central, slightly below in southeast. No rain reported through 7th, scattered thundershowers 8th.

Soil moisture mostly short. Fieldwork: 6.0 days suitable. Soybeans fair to good, 70% planted, last year 80%, average 77%. Corn fair to good, needs rain, 25% silked. Peanuts fair to good, 28% blooming, last year 56%, average 46%. Cotton fair to good, 36% squaring, 60% last year, 33% average. Tobacco mostly fair to good, mold still a problem, sucker control, 2% harvest, last year 5% and average 4%. Sorghum 57% planted, last year 60% and average 60%. Hay crops fair to mostly good. Wheat 47% harvested, last year 58% and average 62%. Peaches fair to mostly good, 14% harvested, 31% last year, 32% average. Apples good. Vegetables mostly fair to good. Watermelons fair to good, 3% harvested, 2% last year and 3% average. Pastures fair to good, need rain. Cattle and hogs fair to mostly good. Fuel supplies adequate.

IDAHO: Temperatures well below normal. Some areas up to 12° below normal. Extremes: 75 and 29°. Rain levels above normal.

Potatoes planted 89%, 100% 1979, 95% average. Corn planted 98%, 99% 1979, 97% average. Dry beans planted 64%, 76% 1979, 84% average. Winter wheat 100% jointed, 64% boot, 24% headed. Spring wheat 85% jointed, 30% boot, 6% headed. Spring barley 61% jointed, 19% boot, 5% headed. Fieldwork: 1.6 days suitable. Sugarbeets 65% thinned. Alfalfa first cutting 11% complete. Potato rot showing up. Ranges in excellent shape.

ILLINOIS: Temperatures normal to 5° above. Precipitation 1.00 to 5.00 in. north, 0.50 to 1.00 in. south.

Soil moisture surplus to adequate. Corn condition good. Average height 12 in., 6 in. 1979, 9 in. average, most advanced 20 in., 12 in. 1979, 16 in. average. Soybean planting 96% complete,

88% 1979, 87% average; 86% full stand, 81% 1979. Soybean condition good. Winter wheat good to excellent, 85% filled, 78% 1979, 85% average; 20% turning yellow, 17% 1979, 41% average. Oats mostly good, 24% headed, 26% 1979, 42% average; 5% filled, 4% 1979, 17% average. Alfalfa good, 45% first crop cut, 66% 1979, 62% average. Red clover good, 35% cut, 49% 1979, 55% average. Sorghum 80% planted. Pastures good. Fieldwork: 2.8 days suitable.

INDIANA: Heavy rains central. Temperatures 2° above normal. Extremes: 44 and 94°. Rainfall averaged 0.70 south, 1.50 to 2.00 in. central, 0.70 to 1.40 in. north. Many rivers flooding lowlands.

Fieldwork: 2.0 days suitable. Topsoil and subsoil moisture adequate to surplus. Some flood losses. Corn 95% emerged, 1979 90%. Corn 9 in. high, 1979 6 in., average 9 in. Corn stands fair to mostly good. Soybeans 85% planted, 1979 90%, average 75%. Soybeans 80% emerged, 1979 70%, average 65%. Soybeans 6 in., 1979 2 in., average 6 in. Soybean stands fair to mostly good. Wheat 97% headed, 1979 94%, average 98%. Wheat 5% turning color, 25% in milk. Oats 12 in. high, 1979 12 in.; oats 15% headed, 1979 25%, average 35%. Tobacco plants 35% set, 1979 45%, average 50%. Cantaloup and watermelon 100% planted or set, 1979 cantaloups 90%, watermelons 95%. Tomato plants 85% set, 1979 90%, average 80%.

IOWA: Warm, humid, stormy week with damaging hail, wind, flash floods, and a few tornadoes.

Fieldwork: 2.2 days suitable. Corn stand: 93% of normal, last year 95%. Soybeans 98% planted, 1979 94%, normal 95%. Soybeans 89% emerged, 1979 66%, normal 79%. Soybean stand: 93% of normal, last year 88%. First crop alfalfa hay harvest: 23%, 1979 38%, normal 47%. Topsoil moisture adequate to surplus. Subsoil moisture adequate. Cover crops fair to good condition, some improvement. Livestock good condition. Market movement increased.

KANSAS: Rainfall 1.00 to 2.00 in. east central and extreme north, little precipitation elsewhere. Temperatures averaged 72° northwest, 76 to 80° elsewhere, 9° above normal northeast, 4 to 7° above normal elsewhere.

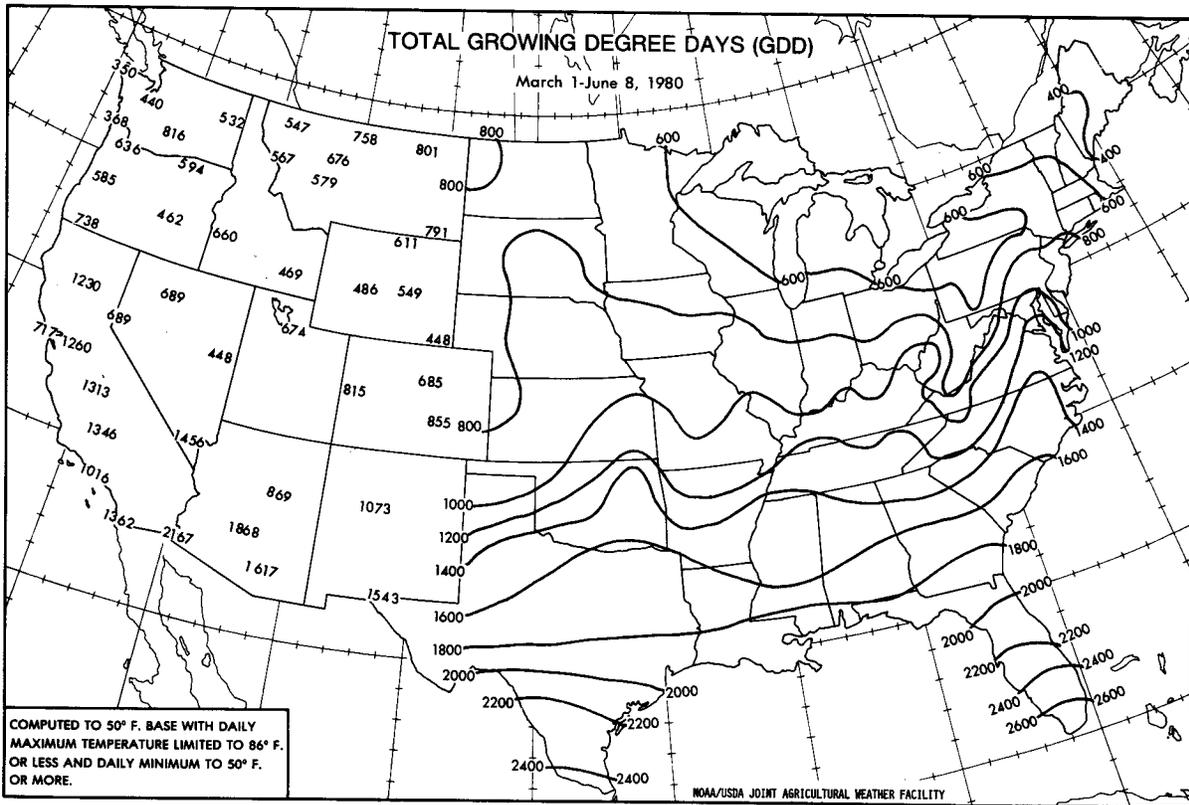
Wheat 96% headed, last year 95%, average 98%. Soybeans planted 65%, last year 55%, average 50%. Sorghum planting 50% completed, 55% last year, same as average. Fieldwork: 5.0 days suitable. Soil moisture generally adequate.

KENTUCKY: Precipitation averaged 0.25 in. Thunderstorms produced much heavier amounts some areas. Temperatures 6° warmer than normal. Primarily hot and dry.

Fieldwork: 5.2 days suitable. Soil moisture mostly adequate. Tobacco setting moved rapidly. Burley 55% complete, 67% last year, average 74%. Adequate plants available. Dark tobaccos 54% set, 50% year ago, average 65%. Average height corn 12 in., compared to 7 in. last year and average of 12 in. Soybean planting advanced to 66% complete, many counties finished except for double-cropped beans. Planting ahead last year and average when 48 and 54%, respectively. Barley harvest 20% complete. Pastures good condition.

LOUISIANA: Rain light. Temperatures 1 to 5° above normal. Extremes: 99 and 64°.

Soil moisture short to adequate. Fieldwork: 6.2 days suitable. Corn planting complete. All emerged. Condition fair to good. Silked 35%, 41% 1979. Dough 4%. Cotton planting near



completion, 1979 and average. Emerged 81%. Condition fair. Moisture needed. Rice planted 98%, complete 1979 and average. Emerged 92%, 98% 1979, 98% average. Condition fair to good. Applying fertilizer and herbicides. Sorghum planted 55%, 73% 1979, 71% average. Emerged 47%, 61% 1979. Condition fair to good. Soybeans planted 70%, same 1979, average. Need rain for planting, emergence. Emerged 46%, 59% 1979. Condition fair to good. Sugar-cane fair to good. Growth good. Small grain harvested 78%, 48% 1979. Pastures good. Live-stock good. Hay first cutting 63%, 66% 1979. Vegetables fair. Sweetpotatoes planted 80%, 84% 1979, 77% average.

MARYLAND & DELAWARE: Temperatures averaged 2° above normal. Highs in low to mid 80's, lows in low to mid 60's. Precipitation light averaging 0.71 in.

Corn planting virtually complete, 98% last year, 97% normal. Soybeans 50% planted, 39% a year ago, 56% normal. Small grains good condition. Sawfly, armyworms causing minor damage. Barley harvest underway. Tobacco 50% planted. Peach and apple prospects excellent.

MICHIGAN: Temperatures averaged 0 to 4° below normal. Precipitation ranged 2.00 to 4.00 in. southern lower, 0.80 to 1.60 in. northern Lower and Upper. Frequent showers during week.

Corn 94% planted, 97% last year, 95% normal. Dry beans 28% planted, 28% last year, 30% normal. Soybeans 80% planted, 82% last year, 79% normal. Potatoes 96% seeded, 94% last year, 90% average. Hay 8% 1st cut, 11% last year, 17% normal. Wheat 43% headed, 40% last year, 55% normal. Asparagus 83% harvested, 74% last year, 80% normal. Apple set average to heavy.

Tart cherry set light to average.

MINNESOTA: Temperatures averaged near normal. Extremes: 86 and 32°. Precipitation averaged near normal in the northern districts; up to 1.00 in. above normal in the central, west central, southwest, and southcentral; 2.00 to 3.00 in. above normal in the east central and southeast.

Recent rains improved crop prospects except in drier northern counties. Localized hail and flooding have necessitated replanting several thousand acres corn, soybeans. Long dry spell has reduced small grain and first crop alfalfa hay prospects. Planting: Soybeans 94%, 1979 90%, normal 95%; flax 92%, 1979 74%, normal 91%; sunflowers 96%, 1979 80%, normal 92%; potatoes 97%, 1979 73%, normal 92%; sweet corn for processing 75%, 1979 79%, normal 93%. Emerged: Corn 90%, 1979 79%, normal 91%; soybeans 79%, 1979 55%, normal 76%; spring wheat 96%, 1979 78%, normal 95%; oats 98%, 1979 87%, normal 96%; barley 96%, 1979 69%, normal 92%; flax 72%, 1979 45%, normal 73%. Jointing: Spring wheat 23%, 1979 0%, normal 27%; oats 24%, 1979 1%, normal 31%; barley 20%, 1979 0%, normal 27%. Heading: Winter wheat 42%, 1979 9%, normal 38%; rye 52%, 1979 21%, normal 52%. First cutting alfalfa hay 17%, 1979 5%, normal 25%.

MISSISSIPPI: Temperatures 3 to 4° above normal. Extremes: 61 and 96°. Generally hot and dry. Light showers north.

Soil moisture short to adequate. Fieldwork: 6.2 days suitable. Dry weather helped soybean planting, need rain to help germinate. Wheat harvest underway. Hay 25% harvested, 21% 1979, 26% average. Peaches 15% harvested, 6% 1979; fair to good condition. Sorghum 64% planted,

61% 1979, 63% average. Sweetpotatoes 58% planted, 72% 1979. Soybeans 65% planted, 47% 1979, 66% average; 36% up to stand, 35% 1979, 44% average; condition good to fair. Rice 91% up to stand, 90% 1979, 92% average; condition good to fair. Wheat 80% ripe, 80% 1979; 23% harvested, 17% 1979, 37% average; condition good to fair. Cotton 98% up to stand, 98% 1979, 99% average; 3% squaring, 2% 1979, 8% average; condition fair to good. Corn 97% up to stand, 93% 1979; 16% silked, 14% 1979; good to fair condition. Pasture good to fair.

MISSOURI: Temperatures averaged 6° above normal. Rain heavy in north, averaged 1.00 to 3.00 in. Rain averaged 0.25 to 0.50 in. south with scattered thundershowers.

Fieldwork: 3.8 days suitable. Soybeans 63% planted, last year 66%, normal 63%. Grain sorghum 83% planted, last year 66%, normal 66%. Wheat 95% headed, last year 93%, normal 100%. Wheat 38% turning color, last year 33%, normal 68%. Alfalfa hay 83% harvested, last year 67%, normal 67%. Condition of winter wheat, pasture mostly fair to good. Topsoil moisture supply short to adequate.

MONTANA: Northeast continued very dry but with scattered areas receiving some relief from dry weather. Precipitation occurred almost daily many areas. In west and southwest temperatures averaged 5° below normal, in northeast temperatures 3° above normal.

Moisture increased soil moisture supplies. Topsoil moisture ranges from surplus in west to still short in east. Subsoil moisture adequate west. Fieldwork: 3.0 days suitable. Winter wheat condition fair to poor. Winter wheat progress: 10% not in boot, 55% in boot, 35% headed. Spring wheat 95% emerged. Spring grains mostly fair condition except eastern third poor. Sugarbeets fair with 25% thinned. Stockwater supplies mostly adequate except in eastern third. Current irrigation supplies average except in east with prospects for future irrigation supplies below average except in western third. Corn 90% planted, 85% 1979, 85% average. Potatoes 70% planted, 85% 1979, 90% average.

NEBRASKA: Precipitation 0.33 to 3.00 in. Temperatures 4° above normal.

Corn mostly good. Emergence 95% complete; 85% last year. Sorghum 90% planted, 95% last year, 85% normal. Sorghum 75% emerged; 60% last year. Soybeans 90% planted, same as last year; 85% normal. Soybean emergence 75%, 55% last year. First cutting alfalfa 45% harvested, 50% last year. Alfalfa good. Winter wheat mostly good. Winter wheat 95% headed; 75% last year, 85% normal. Turning just started. Topsoil moisture mostly adequate. Subsoil moisture mostly adequate. Range and pasture feed supplies mostly adequate. Fieldwork: 3.8 days suitable.

NEVADA: Temperatures in north well below normal and rain midweek. Temperatures near normal end of period. South dry with slightly below normal temperatures. Temperatures 8 to 10° below normal north, 5° below south. Extremes: 103 and 22°.

Second cutting alfalfa hay completed extreme south. Most sheep on spring and summer grazing. Cattle 75% moved. Most calving and lambing operations nearing completion.

NEW ENGLAND: Rain 0.75 to 1.25 in. Temperatures near normal.

Rains were much needed. Grazing adequate most areas. First cutting hay in progress. Grasses

heading out short. Corn planting complete. Potatoes in Aroostook County at ground crack stage. Pre-emergence herbicides being applied. Oats planting about done. New cranberry growth is lush and heavy bloom is in prospect. Strawberry harvest just starting. Peaches have set heavily. Apple set is spotty. Lettuce, radishes, spinach and scallions being harvested. Peas in bloom.

NEW JERSEY: Temperatures averaged near normal. Extremes: 37 and 91°. Rainfall averaged 1.17 in. north, 0.68 in. central and 1.57 in. south. Four in. soil temperature averaged 62° north, 67° central and 69° south.

Fieldwork: 5.0 days suitable. Soil moisture adequate to short. Scattered hail and wind damage. Asparagus harvest nearing completion. Late spring vegetable harvest increasing. Peach thinning begun. Apples beginning to size. Some fruit damaged by hail. Strawberry volume good. Barley coloring. Hay and pasture growth good. Soaking rain would be beneficial.

NEW MEXICO: Hot, dry with windy afternoons. Scattered showers east.

Soil moisture short. High winds, blowing sand damaged crops in Roosevelt County. Cotton 100% planted. Over 5,000 acres cotton abandoned in Roosevelt County. Crop good condition other areas. All irrigated crops good condition with dryland fair. Onion harvest progressing. Livestock good condition. Ranchers working late calves and restocking. Ranges good condition most areas.

NEW YORK: Temperatures averaged near normal. Rainfall above normal except in southwest and north.

Corn planting 92% complete, 90% 1979, 84% average. Oat planting nearing completion. First cutting alfalfa 23% done, 12% 1979, 17% average. Clover-timothy hay 11% cut, 7% 1979, 10% average. Grass silage 25% harvested, 16% 1979, 23% average. Potato planting still active. L.I. strawberry harvest started. Apple set good to excellent. Prospects good for sweet, tart cherry crops.

NORTH CAROLINA: Temperatures 1 to 4° above normal. Precipitation light.

Fieldwork: 6.2 days suitable. Soil moisture short to adequate. Conditions: Pastures fair to mostly good; field tobacco, corn, cotton, peanuts, soybeans, Irish potatoes, sweetpotatoes, apples and peaches fair to mostly good; hay mostly good. Plantings: Sweetpotatoes, 59%, 1979 77%, average 74%; sorghum 75%, 1979 60%, average 66%; soybeans 74%, 1979 63%, average 70%; burley 82%, 1979 76%, average 75%. Harvested: Cabbage 25%; hay 44%, 1979 40%, average 38%; Irish potatoes and peaches underway; wheat 7%; oats 11%; barley 28%; rye 13%.

NORTH DAKOTA: Beneficial rains fell with more than 1.00 in. at many locations in the south, central and east. However, seasonal rainfall this year is still below normal. Thunderstorms brought severe weather to central and southwest. Several tornadoes reported. Large hail widespread. Temperatures averaged 1 to 3° above normal. Extremes: 32 and 86°.

Rain brought some relief to crops, hay and pastures. Topsoil rated mostly short. Subsoil moisture rated short. Heavy rain and hail damaged a few fields. Replanting was done for fields with poor stands. Planting is ahead

of normal and nearing completion for small grains. Percents planted with current progress last year and average: Hard red spring wheat 97, 92, 94; durum 97, 87, 92; barley 96, 91, 93; oats 96, 91, 93; and flax 68, 64, 71. Twenty-nine to 47% of the small grain acreage was jointing or beyond compared to the average of 15 to 23%. Percentage of current crop emergence and beyond compared to last year and average: Hard red spring wheat 87, 62, 80; durum wheat 85, 47, 73; barley 87, 60, 77 and oats 87, 59, 78. Row crop planting percents are: Sunflower 72, corn 80, soybeans 81, dry edible beans 93, and potatoes 97. Spring seeded small grain rated mostly poor to fair. Pasture growth improved, but still mostly poor. Pastures are furnishing 58 percent of forage requirements. Haying started with only small amounts available. Hay supplies short. Live-stock sales continue.

OHIO: Average temperatures ranged from a little below normal in the north to near or little above normal in central and southern. Precipitation above normal. Totals ranged as high as 2.90 in. and were above 2.50 in. at several stations in central areas. Soggy fields stalled fieldwork most of the week.

Preliminary reports indicate widespread corn and soybean damage from flooding in several west central counties. Corn planted 95%, 100% 1979, 100% average. Soybeans planted 80%, 95% 1979, 90% average. Tobacco bed transplanted 35%, 40% 1979, 40% average. Wheat headed 85%, 85% 1979, 90% average. Oats headed 10%, 10% 1979, 25% average. Alfalfa first cut 30%, 50% 1979, 50% average. Fieldwork: 1.5 days suitable. Pasture condition good. Soil moisture mostly surplus.

OKLAHOMA: Temperatures averaged 2 to 7° above normal. Precipitation less than 1.00 in. Wheat harvest underway. Spring planting activities continue when conditions favorable. Pastures and ranges good condition and providing lush grazing. Wheat heading 100%, same 1979 and average. Wheat soft dough to mature 70%, 80% 1979, 90% average. Sorghum 60% planted, 45% 1979, 66% average. Sorghum up to stand, 20%, 20% 1979, 35% average. Cotton planted 45%, 55% 1979, 65% average. Cotton up to stand 15%, 25% 1979, 30% average. Corn up to stand 90%, 80% 1979, 85% average. Fieldwork: 5.1 days suitable.

OREGON: Temperatures near normal along coast, 4 to 8° below normal interior. Precipitation 0.01 to 1.50 in. along coast: 0.20 to 0.80 in. in western valleys, 0.05 to 0.64 in. east.

Soil moisture supplies mostly adequate to surplus in some western portions. Winter wheat condition good, 85% headed; 80% 1979; 4% turning color; none 1979. Barley turning; some smut problems. Wet weather hampering haying and silage making. Some grass seeds beginning to pollinate. Strawberry harvest started; cool wet weather slowing maturity and causing rot and mildew. Spraying and thinning underway in fruit orchards; scab still a problem. Cool weather slowed growth, development of warm season vegetables. Green peas progressing well. Potatoes mostly all planted; early ones closing rows. Livestock, range and pasture condition good. Spring rains brought on forage growth; need warm weather.

PENNSYLVANIA: Temperatures near to 5° below normal. Extremes: 90 and 32°. Showers, scattered severe thunderstorms with winds 60 to 70 miles per hour and hail to golf ball size

3rd and 7th. Nine tornadoes reported 3rd. Rain-fall from less than 0.50 in. extreme southeast, to over 3.00 in. northwest with 1.00 to 2.00 in. elsewhere.

Fieldwork: 4.0 days suitable. Soil moisture mostly adequate. Harvesting hay and haylage. Corn 93% planted, last year 90%, average 94%. Average height 4 in., same as last year. Tobacco 34% planted, same as last year. Soybeans 71% planted, last year 62%. Barley 81% headed, 9% turning yellow, last year 74% headed, 13% turning yellow. Wheat 79% headed, same as last year. Oats less than 5% headed, same as last year. First cutting alfalfa 35%, last year 14%. Hay conditions mostly good to fair. Clo-tim 15% harvested, last year 8%. Feed from pasture mostly average to above average.

Puerto Rico: Island average rainfall 0.50 in. or 1.23 in. below normal. Temperatures averaged about 82° on coasts and 76 to 80° interior divisions. Extremes: 59 and 95°.

SOUTH CAROLINA: Hotter, drier than normal. Light, widely scattered thunderstorms, showers.

Cotton planted, condition fair to good. Corn fair to good, dry stress in light soils, irrigating where available. Soybean planting at 72% as some wait for showers or follow small grain harvest, 78% last year, 74% average. Tobacco fair to good with widespread blue mold but some reduction due to hot, dry weather. Irrigation started. Peach harvest reached Piedmont, 6% harvest matched last year, behind average 9%, condition fair to good. Irrigation started. Apple condition good. Small grains fair to good condition. Percent harvested: Wheat 28%, 15% last year, 38% average; oats 34%, 23% last year, 48% average. Tomatoes in good to excellent condition, 3% harvested this year and last. Snap beans in fair to good condition, 47% harvested, 57% last year. Cucumbers 40% harvested, 70% last year.

SOUTH DAKOTA: Temperatures averaged in the 60's. Extremes: 92 and 35°. Severe thunderstorms.

Topsoil moisture surplus along eastern border, adequate elsewhere except short in central area. West River short supplies except extreme southwest is adequate. Fieldwork: 4.0 days suitable. Small grains poor condition, rain should improve them. Winter wheat headed on 6 to 8 in. stems. Livestock good, ranges improving with rains, need more moisture. Some feeding continues, stock water short, concern about having sufficient feed supplies for the year. Flax 88% planted, 1979 93%, average 91%. Soybeans 93% planted, 1979 83%, average 87%. Sorghum 74% planted, 1979 73%, average 67%. Sunflowers 71% planted, 1979 70%, average 56%. Winter wheat 79% headed, 1979 24%, average 53%. Winter rye 91% headed, 1979 52%, average 75%.

TENNESSEE: Temperatures averaged 7° above normal west to 3° above east. Few showers. All amounts less than 0.25 in.

Fieldwork: 5.9 days suitable. Soil moisture short. Cotton stands good. Corn 97% planted, 1979 89%, average 90%. Soybeans 75% planted, 1979 44%, average 59%. Tobacco 72% transplanted, 1979 76%, average 81%. Wheat 90% turning color, 1979 85%, average 85%. Wheat 15% ripe, 1979 13%, average 34%. Oats 80% turning color, 1979 77%, average 80%. Oats 13% ripe, 1979 9%, average 20%. Cattle good. Pastures fair, need rain.

TEXAS: Temperatures 4 to 7° above normal. Precipitation below normal except west where thunder-showers produced over 0.50 in.

Commercial vegetables: In lower Rio Grande Valley, cantaloups, bell peppers, cucumbers, tomatoes, squash, okra in full swing. Harvest of onions, sweet corn completed. Land preparation underway for fall planting. In Coastal Bend area, watermelon harvest active. In some areas, re-growth occurred and cutting delayed. In San Antonio-Winter Garden area, steady supplies of onions, beets, cucumbers for pickles available. In Central limited supplies potatoes, beans, cucumbers, squash, tomatoes and peppers available. Cantaloups, watermelons growing well, but squash bugs causing some problems. In East, harvest potatoes, onions, beans and squash continued. Tomatoes beginning to ripen. Watermelons, cantaloups beginning to run. Planting sweetpotatoes continued. In North, supplies potatoes, green beans, cucumbers, squash, tomatoes, turnips and beets available. In Trans-Pecos area, onions harvested good volume. At El Paso, cabbage, chili peppers making good growth. On High Plains, heavy rains after planting caused thin stands among peppers. Carrots up to a good stand, onions, potatoes growing well. High wind, hail caused some damage to vegetables. With high temperatures, heavy watering required. Peach harvest continued east and southcentral. Supplies remained light. Spraying pecan casebearer remained active.

Range and livestock: Range, pastures continued to provide ample forage for livestock. Available moisture being depleted rapidly under high temperatures and becoming short many areas. Sheep shearing continued few areas.

Cotton planting excellent progress, 90% complete; high winds laden with sand heavily damaged substantial acreages emerged cotton on southern High Plains. Moisture shortages dryland South fields caused cotton to shed small squares, begin blooming at top of stalk. **Corn** planting complete; prospects for good crop high as major dryland corn areas have adequate moisture. **Sorghum** planting 91%. Sorghum acreage left located on Plains and should be complete shortly after cotton crop is in. Harvest should begin Lower Valley before month's end. Half of the sunflower crop seeded; over 90% grown on High Plains where much of remaining acreage will be "catch crop", following hailed out crops. Over one-third of soybean crop planted during week; 60% of crop is planted. Three-quarters of High Plains crop seeded while nearly half of Gulf Coast crop planted. Excellent yields of alfalfa made. Wheat harvest spread through Central into Low Plains. May rains greatly aided heading in dryland fields. However, extent of damage caused by prolonged winter drought unknown. **Oat** harvest active throughout Blacklands, while flax harvest on limited South acreage half complete.

Cotton planted 90%, 81% 1979, 88% average. Cotton squaring 16%, 13% 1979. Cotton setting bolls 9%, 6% 1979. Rice emerged 100%, equal to last year and average. Sorghum planted 91%, 85% 1979, 89% average. Sorghum headed 30%, 32% 1979. Sorghum turning color 13%, 11% 1979. Wheat headed 100%, 100% 1979. Wheat turning color 59%, 76% 1979. Wheat harvested 13%, 6% 1979, 18% average. Corn planted 100%. Peanuts planted 54%, 42% 1979, 54% average. Soybeans planted 60%, 35% 1979, 57% average. Sunflowers planted 50%, 40% 1979.

UTAH: Rainfall generally light to moderate but locally very heavy. Rising trend in temperatures during latter part period. Averages ranged from near normal to 10° below.

Fieldwork: 5.5 days suitable. Soil moisture adequate but varied from some light flooding

north to short in extreme south. Small grains mostly in the joint stage or past. Winter wheat 20% headed. Condition of small grains rated good. First cutting alfalfa 10% cut. Some rain damage in early cut fields. Corn development much behind normal due to cool spring. Some stands thin. Replanting may be necessary. Cattle, sheep good condition. Range feed rates good to excellent.

VIRGINIA: Temperatures averaged slightly above normal. Extremes: 95 and 41°. Scattered thunderstorms. Rainfall averaged 0.50 in., ranging from zero to over 3.00 in.

Topsoil moisture short to adequate. Fieldwork: 5.4 days suitable. Planting progress: Soybeans 60%, 40% 1979, 55% average; flue-cured tobacco 95%, 95% 1979; fire-cured tobacco 80%, 85% 1979, 81% average; burley tobacco 50%, 70% 1979, 74% usual; sun-cured tobacco 75%, 85% 1979, 80% average. Small grain combining progress: Wheat 2%, 1% 1979, 3% average; barley 15%, 6% 1979, 17% usual; oats 2%, 2% 1979, 7% average. Corn, soybeans, tobacco, peanuts, hay, pasture rated good to excellent. Farm fuel supplies adequate. Blue mold under control. Hay making, corn cultivation active.

WASHINGTON: West: Temperatures averaged 2 to 4° below normal. Precipitation near normal. Lettuce harvest underway. Radish, rhubarb, leafy vegetable harvest continued when weather allowed. Strawberry picking beginning. Some rot in strawberries. Ash damage in southern county blueberries, growing well elsewhere. Field corn development poor. Green chopping, silage continues. Hay supplies very short.

East: Temperatures averaged 5 to 7° below normal. Precipitation near normal. Ash, rain hampers first cutting alfalfa. Asparagus cutting continues. First cover spraying nearly complete in orchards. Excessive red delicious drop some orchards in heavy ash fallout Yakima. Other fruits growing well. Grain crops recuperating well except in heaviest hit areas. Lentils suffering from ash, cool weather. Potatoes doing well. Range short to adequate.

WEST VIRGINIA: Temperatures above normal. Extremes: 96 and 32°. Precipitation mostly above normal. Severe local storms. Scattered hail. Tornado in Preston County.

Soil moisture adequate to surplus. Fieldwork: 3.2 days suitable. Wheat good to fair, 42% pre-headed, 58% headed, 26% pre-headed, 73% headed and 1% ripe in 1979. Barley good to fair, 23% pre-headed, 77% headed, 23% pre-headed, 76% headed and 1% ripe in 1979. Oats good to fair, 94% planted, 93% emerged, 87% pre-headed and 13% headed in 1979. Corn good to fair, 89% planted, 76% emerged, 90% planted and 80% emerged in 1979. Tobacco fair to poor, 100% planted, 98% emerged, 28% set, lagging behind 1979. Hay good to fair, 18% 1st cutting compared to 20% in 1979.

WISCONSIN: Temperatures near normal, rainfall much above normal. Extremes: 87 and 41°. Rainfall 1.00 to 4.00 in. was common. Some hail and strong winds.

Haying limited by wet weather. Fieldwork: 4.0 days suitable. First crop hay 7% harvested, 1979 10%, normal 12%. Hay crop below normal but growth improving with rains. Dry weather needed for good quality hay. Corn growing well, early plantings foot tall. Oats variable, some fields very good and others spotty due to previous dry conditions. Winter wheat and rye heading. Soybeans 95% planted
(continued on back page)

International Weather and Crop Summary

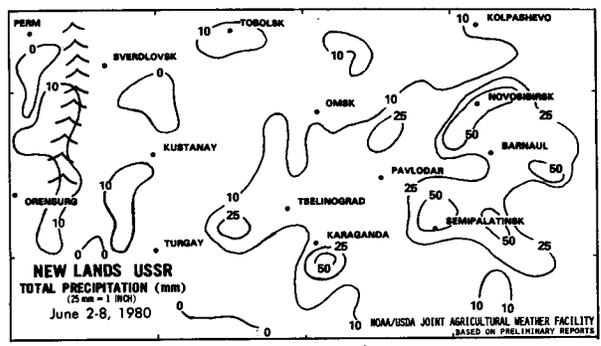
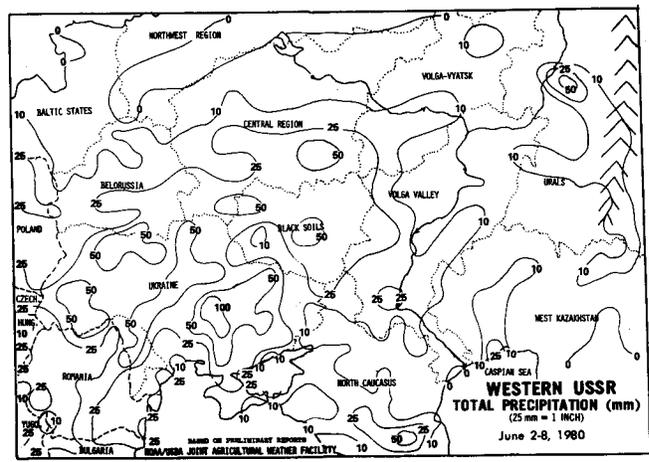
2-8 June 1980

HIGHLIGHTS:

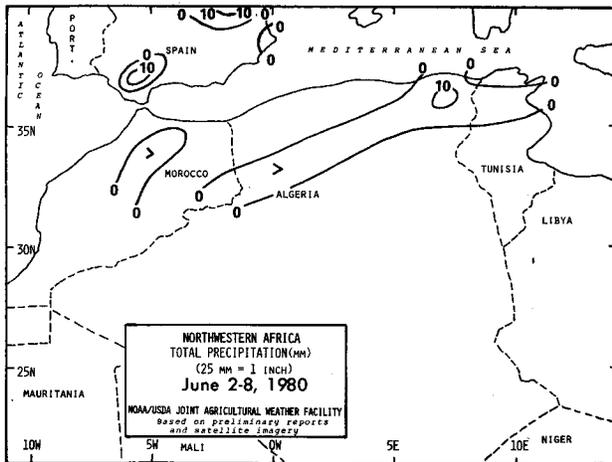
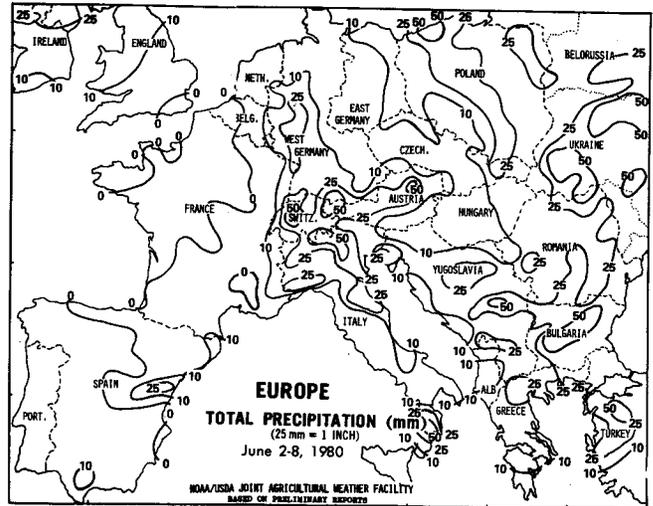
- USSR:** Winter wheat heading in the south...soils too wet. Sowing of spring grain nearly complete...beneficial rains in eastern New Lands.
 - EUROPE:** Winter grains heading in England...soils too dry.
 - EASTERN ASIA:** Harvesting winter grains*...conditions too wet. Double-crop rice turning color*...continued wet weather.
 - SOUTH ASIA:** Planting rice and cotton*...monsoon advancing normally.
 - S.E. ASIA:** Dry-season rice in vegetative stage*...continued beneficial rains.
 - AUSTRALIA:** Sowing winter grains...generally favorable conditions.
 - NORTHWESTERN AFRICA:** Winter grain harvest essentially complete*...fair weather.
 - ARGENTINA:** Harvesting soybeans*...favorable weather. Sowing winter wheat*...soil moisture good.
 - BRAZIL:** Soybean harvest essentially complete.
 - MEXICO:** Corn and beans growing in southern and central plateau...beneficial rains.
 - CANADA:** Spring grain sowing nearly complete...too dry in some areas; recurrent frost.
- *Based on.....

WESTERN USSR. A stationary low-pressure system persisted over the southern Ukraine for most of week, with rainfall gradually decreasing only toward the week's end as the system weakened. Much of the Ukraine and Black Soils Region received more than 50 mm of rainfall--three to four times normal--undoubtedly leaving standing water in fields, which may reduce yields. Part of the central Ukraine was drenched by more than 100 mm. Lighter rains from the system maintained good soil moisture in the North Caucasus and the lower Volga Valley, but much of the middle and upper Volga Valley received only light rain, and conditions remained too dry for normal spring grain growth. The rainy weather lowered temperatures slightly in the Ukraine, delaying crop development still further, but temperatures stayed near normal in the North Caucasus, the Volga Valley, and across the north.

Rainfall in the New Lands shifted further east as a nearly stationary upper-air system brought in moist air, setting off showers and thunderstorms. Most of the eastern half recorded rainfall well above normal. This moisture was especially beneficial to dry fields in the vicinity of Barnaul and Novosibirsk, and soils should be adequately moist for germination and initial growth of newly sown spring grains. Dry pockets persist, notably near Pavlodar, but conditions have improved generally.

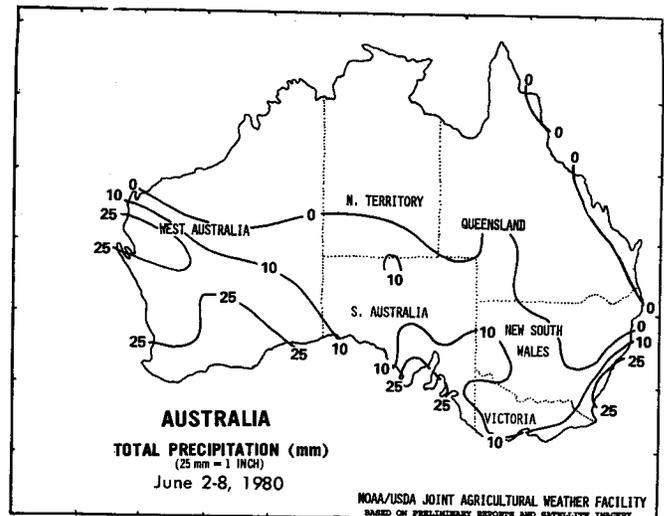


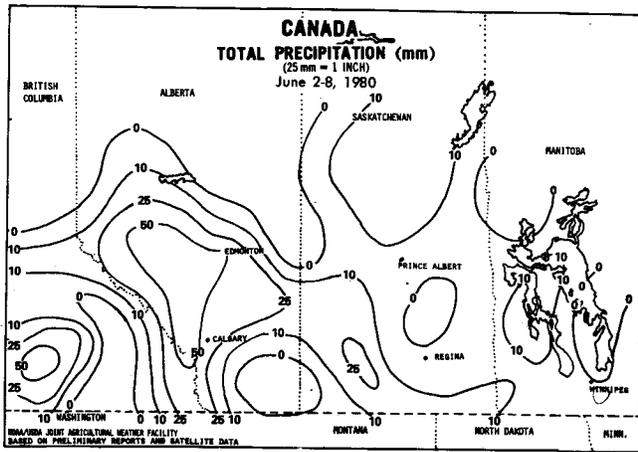
EUROPE. Fair weather over much of Western Europe favored winter grain harvest in the Iberian Peninsula, but England could have used more moisture, for last week's rains did not alleviate dry conditions stressing crops. Toward the end of the week a cold front triggered showers from West Germany southward into northern Italy, maintaining conditions too wet for maturing winter grains in Italy. A stagnating low pressure system to the east in the USSR dumped generally above-normal rainfall on most of Eastern Europe. This persistence of cool, wet weather in the southeast delayed development of row crops and hindered field work. Northerly areas probably benefited from this second week of above-normal rainfall, since conditions had previously been relatively dry.



NORTHWESTERN AFRICA. Fair weather persisted in all areas as winter grain harvesting finished up. Weekly coverage of this region will be discontinued until autumn rains begin.

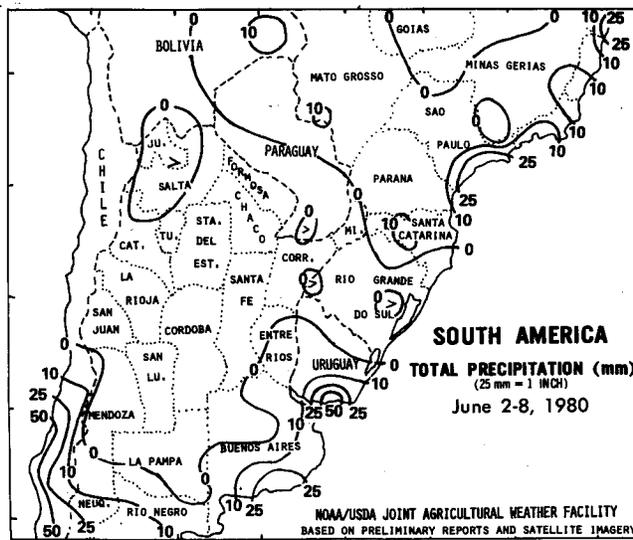
AUSTRALIA. The storm track stayed in the southern half of the continent. Rainfall amounts remained light in the east, but exceeded 20 mm over most of the winter grain areas in West and South Australia. This moisture improved conditions for planting in West Australia, although dry pockets persist. Relatively dry weather prevailed throughout the croplands of New South Wales and Victoria but soil moisture should be adequate for the present.





CANADA. Moisture conditions for crop growth remained good in Alberta. However, conditions are less favorable in Saskatchewan and Manitoba where only isolated thunderstorm activity occurred this past week. Late in the week, a surge of cold air through Saskatchewan brought freezing temperatures to the southern part of the province, raising the possibility of additional damage to the rapeseed crop. However, the cool temperatures may have helped reduce moisture stress for spring grains growing in the region.

MEXICO. Tropical moisture spreading into the western sections of the southern and western plateau supported showers over somewhat depleted reservoirs and drier-than-normal croplands. Corn and beans will benefit from the moisture. The citrus belt was sunny and hot; soil moisture was short in some nonirrigated northern orchards but adequate elsewhere. Severe drought continued over the northwest; however, a few showers gave slight relief from lack of moisture in the west central mountains.



SOUTH AMERICA. Favorable conditions prevailed for the late harvesting of soybeans in Argentina. Precipitation was generally light throughout the major winter grains areas of Brazil and Argentina. Soil moisture remained favorable for the winter grain crops. Cold air pushed well into Brazil's coffee growing area early in the week, dropping temperatures close to freezing, but conditions moderated by week's end without causing damage.

CROP PROGRESS

FOR WEEK ENDING JUNE 8, 1980

| SOYBEAN % PLANTED | | | |
|----------------------|------|------|------|
| | 1980 | 1979 | AVG. |
| ALA | 70 | 75 | 73 |
| ARK | 52 | 26 | 59 |
| GA | 70 | 80 | 77 |
| ILLI | 96 | 88 | 87 |
| IND | 85 | 90 | 75 |
| IOWA | 98 | 94 | 95 |
| KANS | 65 | 55 | 50 |
| KY | 67 | 48 | 56 |
| LA | 70 | 70 | 70 |
| MICH | 80 | 82 | 79 |
| MINN | 94 | 90 | 95 |
| MISS | 65 | 47 | 56 |
| MO | 83 | 66 | 63 |
| NEBR | 90 | 90 | 85 |
| N C | 74 | 63 | 70 |
| OHIO | 80 | 95 | 90 |
| S C | 72 | 78 | 74 |
| TENN | 75 | 44 | 59 |
| 18 STATES | 81 | 74 | 77 |

THESE 18 STATES PRODUCED 94% OF THE 1979 SOYBEAN CROP.

| COTTON % PLANTED | | | |
|----------------------|------|------|------|
| | 1980 | 1979 | AVG. |
| ALA | 99 | 100 | 100 |
| ARIZ | 99 | 99 | NA |
| ARK | 100 | 99 | 99 |
| CALF | 100 | 100 | NA |
| GA | 2/ | 2/ | 2/ |
| LA | 100 | 100 | 100 |
| MISS | 100 | 100 | 100 |
| MO | 100 | 2/ | 2/ |
| N MEX | 100 | 100 | 100 |
| N C | 2/ | 2/ | 2/ |
| OKLA | 45 | 53 | 56 |
| S C | 2/ | 2/ | 2/ |
| TENN | 100 | 100 | 100 |
| TEX | 90 | 81 | 88 |
| 14 STATES | 92 | 87 | NA |
| EXCL. STATES WITH NA | 91 | 85 | 90 |

THESE 14 STATES PRODUCED 99% OF THE 1979 COTTON CROP.

| WINTER WHEAT % HEADED | | | |
|--------------------------|------|------|------|
| | 1980 | 1979 | AVG. |
| CALF | 100 | 100 | NA |
| COLO | 78 | 75 | 84 |
| IDA | 24 | 18 | 18 |
| ILLI | 2/ | 96 | 97 |
| IND | 97 | 94 | 98 |
| KANS | 96 | 95 | 98 |
| MO | 95 | 93 | 100 |
| NEBR | 35 | 0 | 20 |
| NEB | 95 | 75 | 85 |
| OHIO | 85 | 85 | 90 |
| OKLA | 99 | 99 | 100 |
| OREG | 85 | 90 | NA |
| S DAK | 79 | 24 | 53 |
| TEX | 100 | 100 | 100 |
| WASH | 45 | 52 | NA |
| 15 STATES | 87 | 82 | NA |
| EXCL. STATES WITH NA | 90 | 84 | 89 |

THESE 15 STATES PRODUCED 90% OF THE 1979 WINTER WHEAT CROP.

| SPRING WHEAT % EMERGED | | | |
|---------------------------|------|------|------|
| | 1980 | 1979 | AVG. |
| IDA | 99 | 98 | 93 |
| MINN | 96 | 78 | 95 |
| MONT | 95 | 75 | NA |
| N D | 87 | 62 | 80 |
| S DAK | 100 | NA | NA |
| 5 STATES | 93 | NA | NA |
| EXCL. STATES WITH NA | 90 | 69 | 85 |

THESE 5 STATES PRODUCED 92% OF THE 1979 SPRING WHEAT CROP.

| RICE % EMERGED | | | |
|----------------------|------|------|------|
| | 1980 | 1979 | AVG. |
| ARK | 92 | NA | NA |
| CALF | 88 | 88 | NA |
| LA | 92 | 98 | NA |
| MISS | 91 | 90 | 92 |
| TEX | 100 | 100 | 100 |
| 5 STATES | 93 | NA | NA |
| EXCL. STATES WITH NA | 98 | 95 | 98 |

THESE 5 STATES PRODUCED 99% OF THE 1979 RICE CROP.

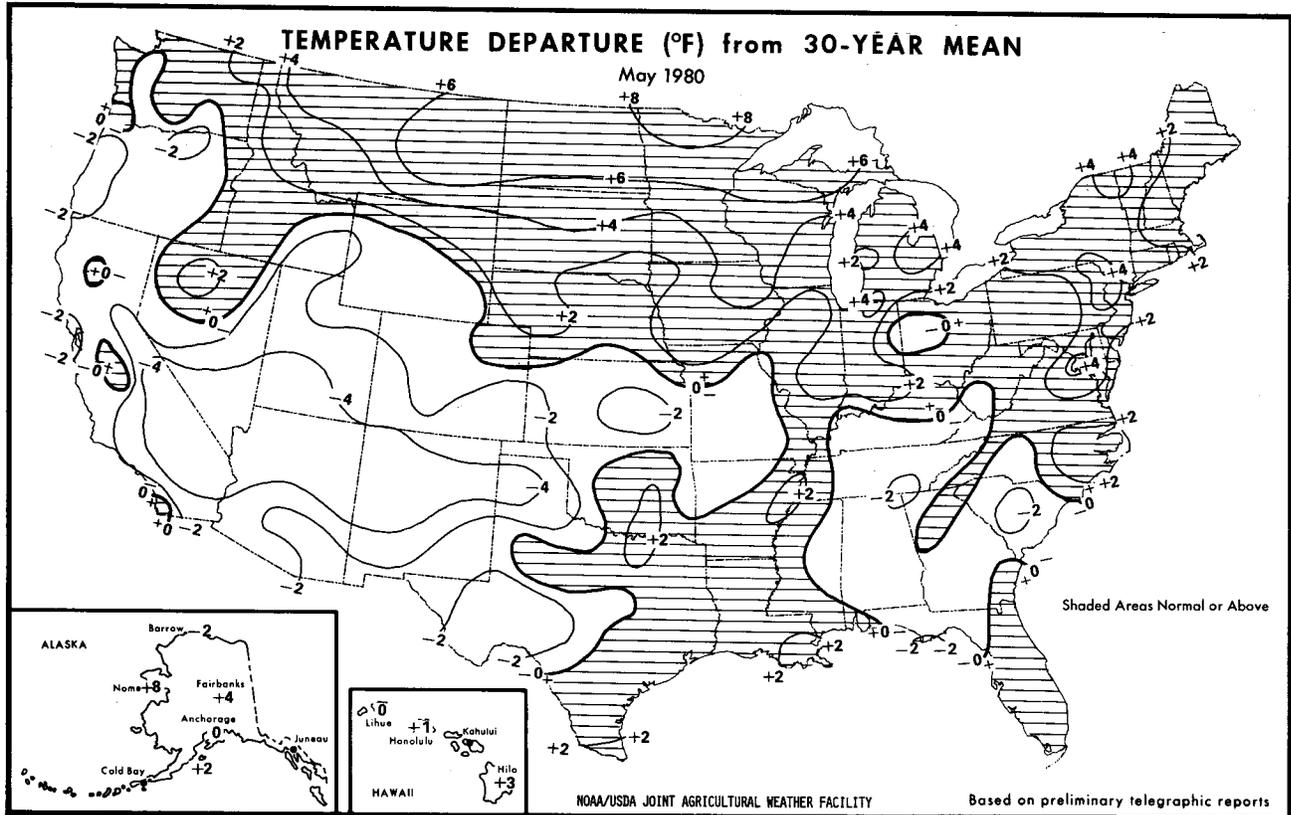
| SORGHUM % PLANTED | | | |
|----------------------|------|------|------|
| | 1980 | 1979 | AVG. |
| COLO | 63 | 72 | 74 |
| KANS | 45 | 55 | 50 |
| MO | 83 | 66 | 66 |
| NEBR | 90 | 95 | 85 |
| OKLA | 59 | 46 | 64 |
| S DAK | 74 | 73 | 67 |
| TEX | 91 | 85 | 89 |
| 7 STATES | 72 | 73 | 72 |

THESE 7 STATES PRODUCED 92% OF THE 1979 SORGHUM CROP.

1/ LESS THAN 5%

2/ GREATER THAN 95%

NA - NOT AVAILABLE



May Weather Summary

HIGHLIGHTS: Record high temperatures over the northern Plains during the first week of May sapped more moisture from the already drought-stricken area. Then a record cold spell hit and taxed the vigor of plants that had managed to germinate. Topsoils were very dry in the western Corn Belt as grain was planted in record time. It was not until midmonth that enough moisture fell to insure proper germination and not until the end of the month that some light rain fell in parts of the northern Plains. Late season snow fell heavily in the Rockies as most of the West remained cooler than normal for most of May.

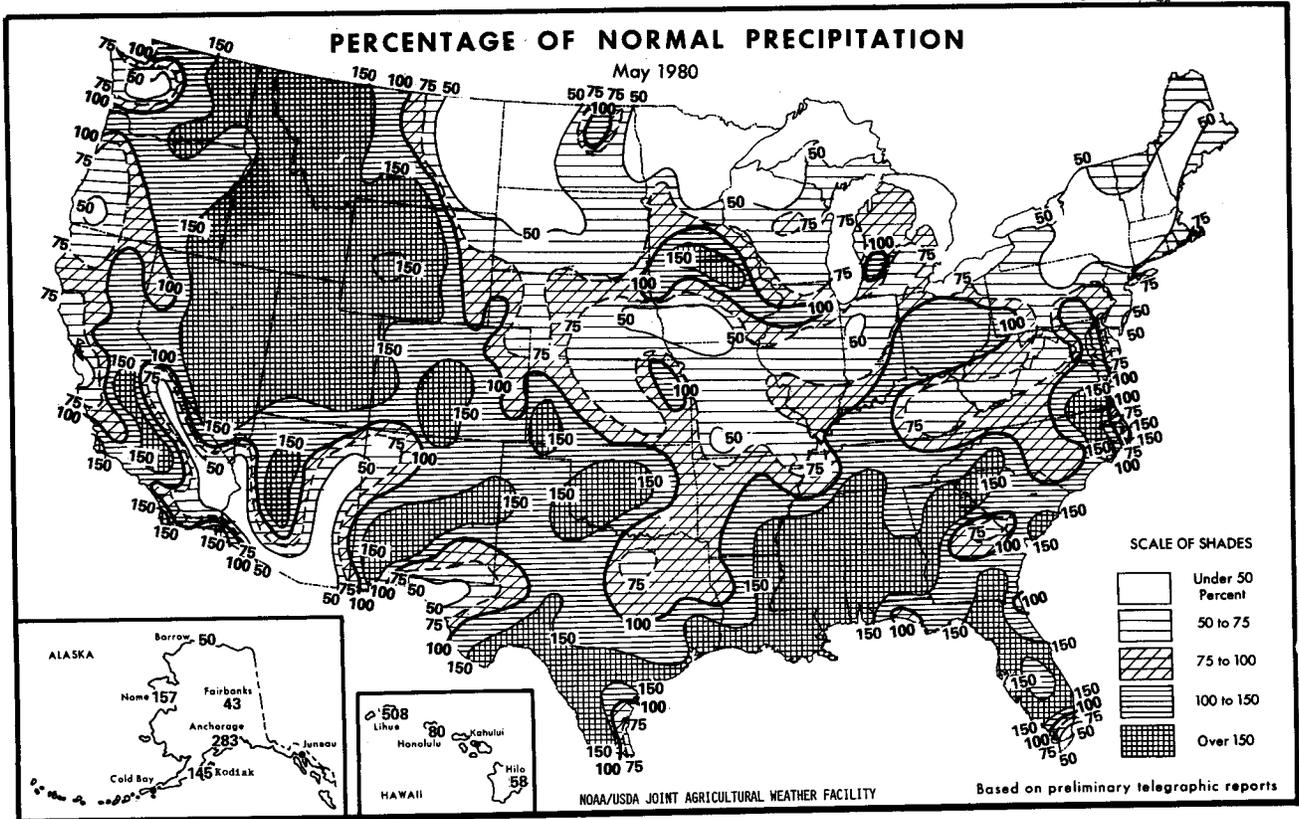
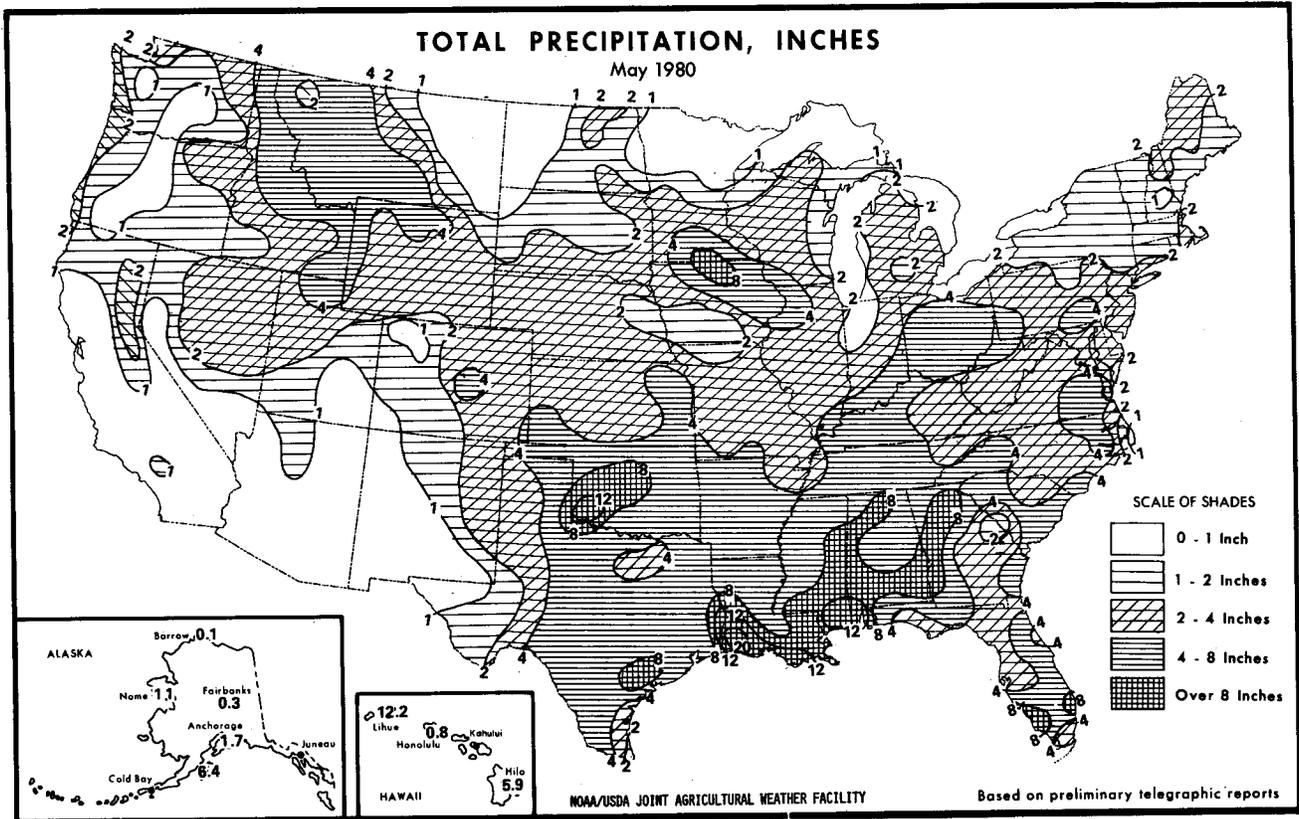
A ridge of high pressure in the western United States and Canada forced weather systems to move southward through the central Rockies during the first nine days of May, producing unusually high temperatures in much of the northern Plains. A deep low pressure system moved into the Atlantic off New England accompanied by showers along the New England and mid-Atlantic Coasts. Moist flow from the Gulf of Mexico caused showers and thunderstorms through most of Texas and into the central Rockies. As the ridge of high pressure in the West sharpened, a burst of cold air from north central Canada moved into the northern Plains. The coldest area coincided with the area of drought in the northern Plains where newly seeded grains were struggling to germinate. As the cold air moved southward and eastward, showers began along its leading edge and brought light to moderate rain to the South and East.

On May 9th the high pressure ridge began to relocate farther west, and a low pressure system formed in southern Montana. Winds from the South brought some moisture northward and very light rain fell in parts of the northern Plains. Moderate amounts were measured through the northern

Rockies and Plateau and along the Pacific Coast. During the next ten days a succession of weather systems moved from the Pacific Northwest to the central Rockies and Plains and then northeastward. Most of the northern Plains stayed dry during this period but the western portion of the U.S. Corn Belt got some much needed precipitation on the newly planted corn. Heavy rain accumulated from most of western Texas through the central Plains, the lower Mississippi Valley through the Ohio Valley, and in much of the mid-Atlantic States.

The progression of weather systems continued in a similar manner during the week of May 19-25 except that systems moved further south from the central Rockies. The western portion of the northern Plains had some welcome rain but except for some light showers in eastern North Dakota, most of the northern Plains stayed dry. Severe weather developed nearly every day throughout the South and up the East Coast to Maryland. A heat wave enveloped the northern Plains and worsened the severe drought in that area. As the hot weather moved eastward, it was followed by much cooler air which covered most of the West by May 25th.

During the last week of May some light showers accompanied the advancing cooler air as it moved into the northern Plains but many areas still had no rain. Moisture from the Gulf of Mexico did move northward but stayed mostly east of the very dry area. Eastern North Dakota and much of South Dakota accumulated nearly an inch of moisture and some isolated points had as much as 2 inches. Most of the U.S. Corn Belt had moderate to heavy amounts of rain. Tornadoes and other severe weather shook the Nation from the Texas Panhandle through the Ohio Valley and the Great Lakes. Cool weather again dominated most of the West while most of the East was warm and humid.



Temperature and Precipitation Data for May 1980

| States and Stations | Temperature OF | | Precipitation Inches | | States and Stations | Temperature OF | | Precipitation Inches | | States and Stations | Temperature OF | | Precipitation Inches | |
|--------------------------|----------------|-----------|----------------------|-----------|--------------------------|----------------|-----------|----------------------|-----------|-------------------------|----------------|-----------|----------------------|-----------|
| | Average | Departure | Total | Departure | | Average | Departure | Total | Departure | | Average | Departure | Total | Departure |
| ALA. Birmingham . . . | 70 | - 1 | 7.3 | 3.7 | LA. Baton Rouge . . . | 76 | 1 | 7.3 | 2.9 | Youngstown . . . | 58 | 0 | 2.7 | - 1.2 |
| Mobile . . . | 75 | 0 | 15.1 | 10.6 | Lake Charles . . . | 76 | 1 | 20.7 | 15.6 | OKLA. Okla. City . . . | 69 | 1 | 9.0 | 3.8 |
| Montgomery . . . | 70 | - 2 | 7.4 | 3.9 | New Orleans . . . | 78 | 3 | 9.7 | 5.5 | Tulsa . . . | 71 | 2 | 7.2 | 2.1 |
| ALASKA Anchorage . . . | 46 | 0 | 1.7 | 1.1 | Shreveport . . . | 74 | 1 | 4.4 | - .6 | OREG. Astoria . . . | 52 | 0 | 3.9 | 1.2 |
| Barrow . . . | 17 | - 2 | .1 | - .1 | MAINE. Caribou . . . | 51 | 1 | 2.1 | - .9 | Burns . . . | 51 | - 1 | 1.1 | .1 |
| Fairbanks . . . | 51 | 4 | .3 | .4 | Portland . . . | 54 | 1 | 1.8 | - 1.5 | Medford . . . | 56 | - 1 | 1.7 | - .7 |
| Juneau . . . | -- | -- | -- | -- | MD. Baltimore . . . | 66 | 2 | 3.6 | 0 | Pendleton . . . | 56 | - 3 | 2.1 | .9 |
| Kodiak . . . | 45 | 2 | 6.4 | 2.0 | MASS. Boston . . . | 59 | 0 | 2.3 | - 1.2 | Portland . . . | 57 | 0 | 2.2 | .1 |
| Nome . . . | 43 | 8 | 1.1 | .4 | Chatham . . . | 54 | 1 | 2.4 | - .8 | Salem . . . | 54 | - 2 | 1.5 | .6 |
| ARIZ. Flagstaff . . . | 46 | - 4 | 1.8 | 1.2 | MICH. Alpena . . . | 54 | 3 | 1.9 | - .8 | PA. Allentown . . . | 64 | 4 | 3.4 | .4 |
| Phoenix . . . | 76 | 0 | .2 | .1 | Detroit . . . | 60 | 2 | 3.2 | - .1 | Erie . . . | 56 | 1 | 2.2 | - 1.4 |
| Tucson . . . | 72 | - 2 | T | - .1 | Flint . . . | 60 | 4 | 2.3 | - .8 | Harrisburg . . . | 63 | 0 | 4.6 | .8 |
| Winslow . . . | 58 | - 5 | T | - .3 | Grand Rapids . . . | 60 | 3 | 3.2 | 0 | Philadelphia . . . | 65 | 2 | 3.2 | - .2 |
| Yuma . . . | 76 | - 3 | 4.6 | - .1 | Houghton Lake . . . | 56 | 3 | 1.6 | - 1.2 | Pittsburgh . . . | 60 | 0 | 4.3 | .7 |
| ARK. Fort Smith . . . | 69 | - 1 | 4.6 | - .9 | Lansing . . . | 59 | 2 | 1.8 | - 1.5 | Scranton . . . | 62 | 3 | 2.4 | - 1.4 |
| Little Rock . . . | 70 | 0 | 7.2 | 2.1 | Marquette . . . | 55 | 7 | 1.9 | - 1.5 | R.I. Providence . . . | 60 | 3 | 1.8 | - 1.7 |
| CALIF. Bakersfield . . . | 67 | - 3 | .2 | 0 | Muskegon . . . | 56 | 1 | 1.8 | - .9 | S.C. Charleston . . . | 71 | - 1 | 5.9 | 2.1 |
| Eureka . . . | 52 | - 1 | 1.7 | - .4 | S. Ste. Marie . . . | 54 | 5 | .8 | - 2.9 | Columbia . . . | 69 | - 3 | 4.5 | 1.1 |
| Fresno . . . | 67 | 0 | 1.2 | .9 | MINN. Duluth . . . | 55 | 6 | .8 | - 2.6 | Greenville . . . | 68 | - 1 | 5.9 | 2.9 |
| Los Angeles . . . | 60 | - 2 | .1 | 0 | Internatl Falls . . . | 59 | 9 | .8 | - 2.0 | S.D. Aberdeen . . . | 60 | 4 | 1.6 | - 1.0 |
| Red Bluff . . . | 67 | 0 | .9 | - .1 | Minneapolis . . . | 62 | 5 | 2.3 | - 1.1 | Huron . . . | 60 | 3 | 1.7 | - 1.1 |
| San Diego . . . | 64 | 1 | .7 | .5 | Rochester . . . | 60 | 4 | 3.7 | .2 | Rapid City . . . | 57 | 2 | 1.6 | - 1.2 |
| San Francisco . . . | 56 | - 2 | .2 | - .2 | St. Cloud . . . | 59 | 4 | 1.6 | - 2.0 | Sioux Falls . . . | 58 | 0 | 2.5 | - .9 |
| Stockton . . . | 66 | 1 | .3 | - .1 | MISS. Jackson . . . | 73 | 0 | 6.6 | 2.2 | TENN. Chattanooga . . . | 67 | - 2 | 4.3 | .7 |
| COLO. Denver . . . | 57 | 0 | 2.7 | .1 | Meridian . . . | 72 | 0 | 9.8 | 5.8 | Knoxville . . . | 68 | 0 | 3.8 | .5 |
| Grand Junction . . . | 59 | - 3 | 1.2 | .6 | MO. Columbia . . . | 63 | - 1 | 3.4 | - 1.3 | Memphis . . . | 73 | 2 | 4.4 | - |
| Pueblo . . . | 58 | - 3 | 2.2 | - .6 | Kansas City . . . | 64 | 0 | 3.1 | - 1.2 | Nashville . . . | 68 | - 1 | 6.1 | 2.0 |
| CONN. Bridgeport . . . | 61 | 3 | 2.7 | - .9 | St. Louis . . . | 67 | 1 | 3.4 | - .5 | TEX. Abilene . . . | 72 | 0 | 5.0 | 1.1 |
| Hartford . . . | 60 | 2 | 1.7 | - 1.8 | Springfield . . . | 64 | - 1 | 2.4 | - 2.5 | Amarillo . . . | 62 | - 4 | 2.9 | .1 |
| D.C. Washington . . . | 70 | 4 | 2.6 | - 1.1 | MONT. Billings . . . | 61 | 6 | 4.5 | 2.4 | Austin . . . | 75 | 0 | 5.4 | 1.4 |
| FLA. Apalachicola . . . | 73 | - 2 | 3.0 | .2 | Glasgow . . . | 61 | 7 | .5 | - .8 | Beaumont . . . | 76 | 1 | 7.8 | 2.9 |
| Daytona Beach . . . | 75 | 0 | 3.6 | .9 | Great Falls . . . | 57 | 4 | 5.1 | 2.7 | Brownsville . . . | 82 | 3 | 1.8 | - .7 |
| Ft. Myers . . . | 78 | 0 | 8.7 | 4.7 | Havre . . . | 59 | 4 | 1.6 | .1 | Corpus Christi . . . | 78 | 0 | 2.8 | - .4 |
| Jacksonville . . . | 75 | 1 | 3.0 | - .2 | Helena . . . | 55 | 3 | 4.3 | 2.5 | Del Rio . . . | 78 | 0 | 5.2 | 2.8 |
| Key West . . . | 81 | 0 | 2.1 | - .4 | Kalispell . . . | 55 | 4 | 3.9 | 2.1 | El Paso . . . | 71 | - 1 | .1 | - .2 |
| Lakeland . . . | -- | -- | -- | -- | Miles City . . . | 62 | 6 | .3 | - 1.8 | Fort Worth . . . | 75 | 2 | 3.0 | - 1.5 |
| Miami . . . | 79 | 1 | 2.1 | 4.0 | Missoula . . . | 55 | 3 | 7.4 | 5.7 | Galveston . . . | 77 | 0 | 7.4 | 4.2 |
| Orlando . . . | 76 | 0 | 7.0 | 4.1 | NEBR. Grand Island . . . | 61 | 0 | 2.1 | - 1.7 | Houston . . . | 76 | 1 | 5.6 | .5 |
| Tallahassee . . . | 74 | - 1 | 5.9 | 1.9 | Lincoln . . . | 63 | 1 | 2.1 | - 1.4 | Lubbock . . . | 69 | 0 | 3.5 | .3 |
| Tampa . . . | 77 | 0 | 3.9 | 1.5 | Norfolk . . . | 61 | 1 | 1.8 | - 1.9 | Midland . . . | 69 | - 3 | 1.8 | - .4 |
| W. Palm Beach . . . | 78 | 0 | 8.1 | 2.9 | N. Platte . . . | 60 | 2 | 2.6 | - .7 | San Angelo . . . | 72 | - 3 | 4.7 | 2.0 |
| GA. Atlanta . . . | 72 | 3 | 8.4 | 4.7 | Omaha . . . | 64 | 3 | 1.9 | - 2.1 | San Antonio . . . | 76 | 0 | 6.4 | 3.3 |
| Augusta . . . | 71 | - 1 | 1.8 | - 1.6 | Valentine . . . | 58 | 1 | 2.7 | - .1 | Victoria . . . | 77 | 0 | 8.2 | 4.2 |
| Macon . . . | 73 | - 1 | 2.8 | - .8 | NEV. Ely . . . | 47 | - 3 | 2.6 | 1.7 | Waco . . . | 74 | - 1 | 4.5 | - .1 |
| Savannah . . . | 73 | 0 | 4.5 | .3 | Las Vegas . . . | 69 | - 4 | .2 | .1 | Wichita Falls . . . | 71 | - 1 | 6.7 | 2.1 |
| HAWAII. Hilo . . . | 77 | 3 | 5.9 | - 4.2 | Reno . . . | 54 | - 1 | .8 | .1 | UTAH. Blanding . . . | 54 | - 3 | .9 | .3 |
| Honolulu . . . | 78 | 1 | .8 | - .2 | Winnemucca . . . | 56 | 2 | 2.1 | 1.2 | Salt Lake City . . . | 57 | - 1 | 2.7 | 1.2 |
| Kahului . . . | -- | -- | -- | -- | N.H. Concord . . . | 56 | 1 | .9 | - 2.1 | VT. Burlington . . . | 59 | 4 | 1.6 | - 1.4 |
| Lihue . . . | 76 | 0 | 12.2 | 9.8 | N.J. Atlantic City . . . | 62 | 0 | 1.6 | - 1.9 | VA. Lynchburg . . . | 66 | 1 | 3.0 | - .2 |
| IDAHO. Boise . . . | 57 | 0 | 3.8 | 2.5 | Trenton . . . | 65 | 3 | 2.2 | - 1.2 | Norfolk . . . | 68 | 1 | 5.2 | 1.9 |
| Lewiston . . . | 58 | 0 | 1.9 | .3 | N.MEX. Albuquerque . . . | 61 | - 4 | .6 | - .1 | Richmond . . . | 68 | 1 | 4.7 | 1.3 |
| Pocatello . . . | 51 | - 3 | 3.3 | 2.0 | Roswell . . . | 68 | - 1 | .9 | - .1 | Roanoke . . . | 65 | 1 | 2.7 | - .8 |
| ILL. Cairo . . . | 70 | 1 | 3.1 | - 2.1 | N.Y. Albany . . . | 60 | 2 | 1.1 | - 2.2 | WASH. Colville . . . | 58 | 3 | 3.1 | 1.5 |
| Chicago . . . | 69 | 2 | 3.4 | 0 | Binghamton . . . | 59 | 4 | 1.5 | - 2.3 | Omak . . . | 58 | - 1 | 1.4 | - |
| Moline . . . | 63 | 2 | 4.0 | .1 | Buffalo . . . | 58 | 3 | 1.6 | - 1.4 | Quillayute . . . | 51 | 0 | 3.2 | - 1.5 |
| Peoria . . . | 63 | 1 | 2.1 | - 1.8 | New York . . . | 65 | 3 | 2.1 | - 1.3 | Seattle-Tacoma . . . | 54 | - 1 | 1.0 | - .7 |
| Rockford . . . | 61 | 2 | 2.4 | - 1.5 | Rochester . . . | 60 | 3 | 1.5 | - 1.3 | Spokane . . . | 56 | 1 | 2.3 | .8 |
| Springfield . . . | 65 | 2 | 2.2 | - 1.3 | Syracuse . . . | 60 | 3 | 1.3 | - 1.7 | Walla Walla . . . | 60 | 0 | 2.0 | .4 |
| IND. Evansville . . . | 65 | - 1 | 4.1 | - .3 | N.C. Asheville . . . | 65 | 1 | 4.5 | 1.2 | Yakima . . . | 59 | 1 | .8 | .2 |
| Ft. Wayne . . . | 60 | 0 | 2.7 | - 1.2 | Charlotte . . . | 68 | - 1 | 3.6 | - .7 | W. VA. Beckley . . . | 60 | 1 | 2.4 | - 1.4 |
| Indianapolis . . . | 64 | 2 | 2.3 | - 1.8 | Greensboro . . . | 66 | - 1 | 2.3 | - .7 | Charleston . . . | 64 | - 1 | 2.7 | - .8 |
| South Bend . . . | 62 | 4 | 1.7 | - 1.5 | Hatteras . . . | 69 | 2 | .9 | - 2.4 | Huntington . . . | 65 | 0 | 2.5 | - 1.3 |
| IOWA. Burlington . . . | 62 | 0 | 3.5 | - .1 | Raleigh . . . | 70 | 2 | 2.3 | - 1.0 | Parkersburg . . . | 64 | 0 | 4.3 | .7 |
| Des Moines . . . | 64 | 3 | 1.9 | - 2.3 | Wilmington . . . | 71 | 0 | 4.7 | .7 | WISC. Green Bay . . . | 58 | 3 | 1.8 | - 1.3 |
| Dubuque . . . | 62 | 4 | 4.3 | - .4 | N.DAK. Bismarck . . . | 60 | 6 | 1.1 | - 1.1 | La Crosse . . . | 63 | 4 | 2.7 | - 1.0 |
| Sioux City . . . | 61 | 0 | 3.9 | .4 | Fargo . . . | 61 | 6 | .6 | - 1.7 | Madison . . . | 58 | 2 | 2.1 | - 1.3 |
| KANS. Concordia . . . | 62 | - 1 | 2.8 | - 1.4 | Williston . . . | 61 | 7 | .2 | - 1.4 | Milwaukee . . . | 57 | 3 | 1.8 | - 1.1 |
| Dodge City . . . | 63 | - 1 | 3.6 | .5 | OHIO. Akron-Canton . . . | 61 | 2 | 5.4 | 1.5 | WYO. Casper . . . | 52 | - 1 | 2.9 | 1.0 |
| Goodland . . . | 57 | - 2 | 2.8 | .3 | Cincinnati . . . | 65 | 2 | 4.6 | .9 | Cheyenne . . . | 51 | - 1 | 2.4 | - .1 |
| Topeka . . . | 63 | - 2 | 4.9 | .9 | Cleveland . . . | 59 | 1 | 3.1 | - .4 | Lander . . . | 52 | - 1 | 3.3 | .7 |
| Wichita . . . | 64 | - 2 | 2.7 | - .9 | Columbus . . . | 62 | 1 | 4.6 | .5 | Sheridan . . . | 55 | 2 | 3.7 | 1.2 |
| KY. Lexington . . . | 65 | 0 | 2.3 | - 1.9 | Dayton . . . | 62 | 0 | 5.1 | 1.3 | P.R. San Juan . . . | -- | -- | -- | -- |
| Louisville . . . | 67 | 2 | 4.6 | .4 | Toledo . . . | 60 | 1 | 2.9 | - .4 | | | | | |

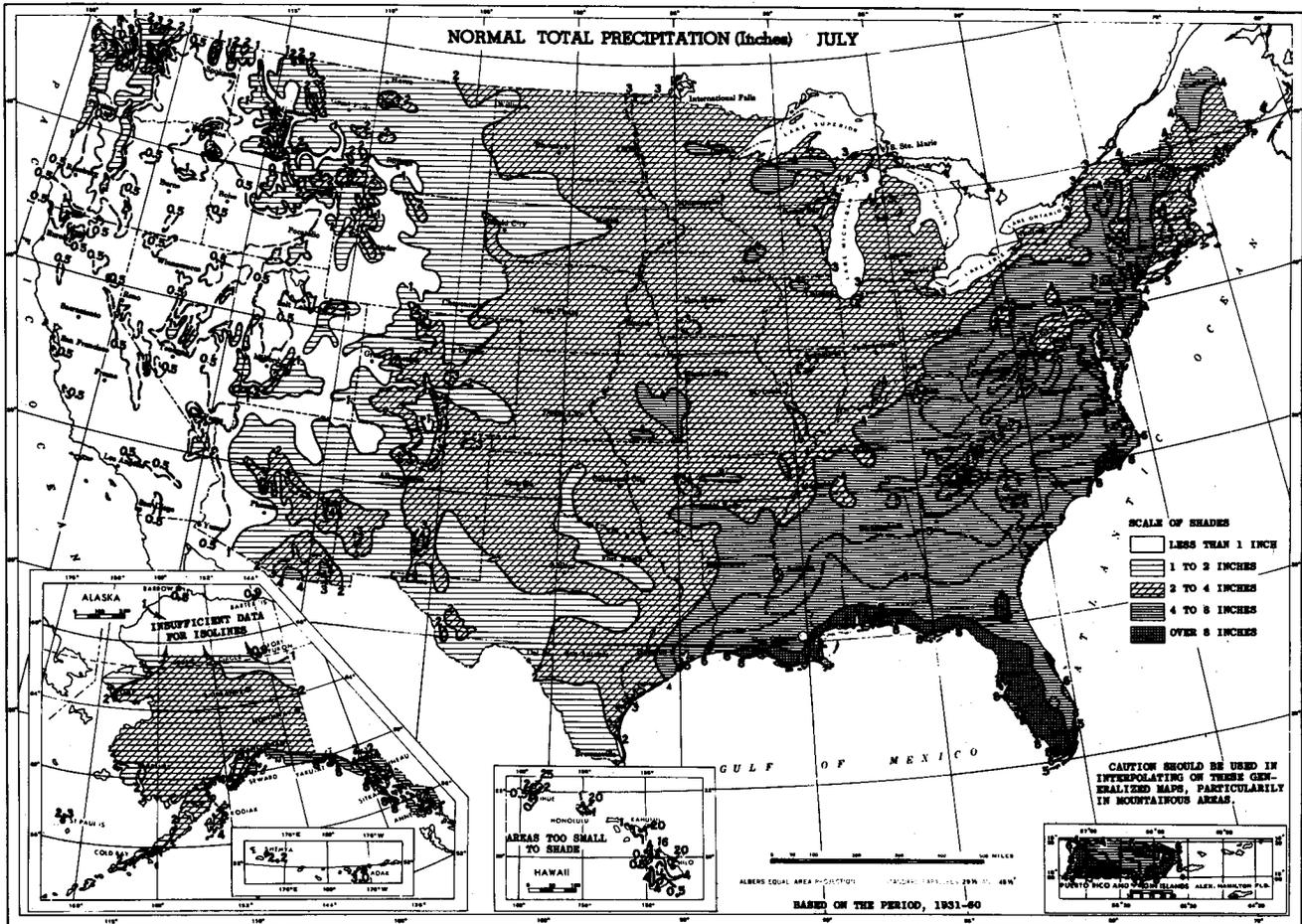
Based on 1941-70 normals

Heating Degree Days (Base 65° F.)

May 1980

| | | | | | |
|------------------------------|------|-------------------------------|-----|-----------------------------|-----|
| ALA. Birmingham | 14 | MAINE, Caribou | 422 | OKLA. Okla. City | 24 |
| Mobile | 0 | Portland | 346 | Tulsa | 22 |
| Montgomery | 2 | MD. Baltimore | 74 | OREG. Astoria | 145 |
| ALASKA, Anchorage | 592 | MASS. Boston | 185 | Burns U. | 430 |
| Barrow | 1480 | Chatham | 346 | Medford | 266 |
| Fairbanks | 436 | MICH. Alpena | 352 | Pendleton | 267 |
| Juneau | --- | Detroit | 191 | Portland | 232 |
| Nome | 668 | Flint | 250 | Salem | 344 |
| ARIZ. Flagstaff | 596 | Grand Rapids | 189 | PA. Allentown | 87 |
| Phoenix | 0 | Houghton Lake | 286 | Erie | 299 |
| Tucson | 3 | Lansing | 229 | Harrisburg | 103 |
| Winslow | 211 | Marquette U | 340 | Philadelphia | 72 |
| Yuma | 0 | S. Ste. Marie | 342 | Pittsburgh | 172 |
| ARK. Fort Smith | 27 | MINN. Duluth | 326 | Scranton | 137 |
| Little Rock | 25 | Internatl Falls | 257 | R. I. Providence | 158 |
| CALIF. Bakersfield | 49 | Minneapolis | 184 | S. C. Charleston | 17 |
| Eureka U. | 388 | Rochester | 206 | Columbia | 27 |
| Fresno | 46 | St. Cloud | 227 | Greenville | 27 |
| Los Angeles U | 141 | MISS. Jackson | 3 | S. DAK. Aberdeen | 221 |
| Red Bluff | 55 | Meridian | 3 | Huron | 193 |
| Stockton | 54 | Vicksburg U | --- | Rapid City | 251 |
| San Diego | 43 | MO. Columbia | 92 | Sioux Falls | 243 |
| San Francisco | 261 | Kansas City | 98 | TENN. Chattanooga | 38 |
| COLO. Denver | 247 | St. Louis | 51 | Knoxville | 32 |
| Grand Junction | 195 | Springfield | 109 | Memphis | 7 |
| Pueblo | 214 | MONT. Billings | 159 | Nashville | 39 |
| CONN. Bridgeport | 157 | Glasgow | 175 | TEX. Abilene | 10 |
| Hartford | 146 | Great Falls | 267 | Amarillo | 146 |
| D. C. Washington | 28 | Havre | 206 | Austin | 0 |
| FLA. Apalachicola | 0 | Helena | 304 | Beaumont | 0 |
| Ft. Myers | 0 | Kalispell | 299 | Brownsville | 0 |
| Jacksonville | 0 | Miles City | 156 | Corpus Christi | 0 |
| Key West | 0 | Missoula | 318 | Dallas | --- |
| Daytona Beach | 0 | NEBR. Grand Island | 176 | Del Rio | 0 |
| Miami | 0 | Lincoln | 133 | El Paso | 19 |
| Orlando | 0 | Norfolk | 174 | Fort Worth | 6 |
| W. Palm Beach | 0 | North Platte | 166 | Galveston U. | 0 |
| Tallahassee | 0 | Omaha | 129 | Houston | 0 |
| Tampa | 0 | Valentine | 231 | Lubbock | 48 |
| GA. Atlanta | 3 | NEV. Ely | 539 | Midland | 34 |
| Augusta | 17 | Las Vegas | 32 | San Angelo | 11 |
| Macon | 3 | Reno | 319 | San Antonio | 0 |
| Savannah | 7 | Winnemucca | 290 | Victoria | 0 |
| IDAHO, Boise | 257 | N. H. Concord | 290 | Waco | 6 |
| Lewiston | 218 | N. J. Atlantic City | 145 | Wichita Falls | 18 |
| Pocatello | 415 | Trenton U | 74 | UTAH, Milford | 379 |
| ILL. Cairo U. | 28 | N. MEX. Albuquerque | 138 | Salt Lake City | 250 |
| Chicago | 198 | Roswell | 53 | VT. Burlington | 204 |
| Moline | 129 | N. Y. Albany | 190 | VA. Lynchburg | 65 |
| Peoria | 123 | Binghamton | 214 | Norfolk | 58 |
| Rockford | 184 | Buffalo | 240 | Richmond | 47 |
| Springfield | 95 | New York | 74 | Roanoke | 78 |
| IND. Evansville | 81 | Rochester | 195 | WASH. Colville | 222 |
| Fort Wayne | 190 | Syracuse | 194 | Omak | --- |
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| Dubuque | 173 | Raleigh | 33 | Yakima | 190 |
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| Dodge City | 130 | Fargo | 206 | Huntington | 93 |
| Goodland | 254 | Williston U | 237 | Parkersburg U. | 102 |
| Topeka | 129 | OHIO, Akron-Canton | 168 | WIS. Green Bay | 229 |
| Wichita | 116 | Cincinnati U. | 92 | Madison | 255 |
| KY. Lexington | 88 | Cleveland | 223 | Milwaukee | 259 |
| Louisville | 68 | Columbus | 133 | WYO. Casper | 408 |
| LA. Baton Rouge | 0 | Dayton | 139 | Cheyenne | 424 |
| Lake Charles | 0 | Toledo | 199 | Lander | 390 |
| New Orleans | 0 | Youngstown | 233 | Sheridan | 313 |
| Shreveport | 4 | | | | |

Preliminary reports from airport locations, except those marked U for urban and R for rural.
*Estimated.



EFFECTS OF THE ERUPTION OF MT. ST. HELENS ON CROPS AND LIVESTOCK

Volcanic ash fallout from the eruption of Mt. St. Helens fell primarily in a band running east to west in the southern portion of the State causing much disruption in activities and some damage to crops in the area. It is still too early to fully assess the damage to crops. However, major concern is now being focused on potentially serious harvesting and marketing problems later this year due to the abrasiveness of the ash and its deleterious effect on machinery. Farmers may be forced to decide whether to sacrifice their field equipment or their crops. Much irrigation equipment has already broken down since the ash fallout.

In 1979, a large percentage of the U.S. wheat exports was shipped via Portland; the eruption has temporarily disrupted grain shipping in the area. Debris and silt were deposited in the Columbia River, where dredging is underway to re-open the channel. River traffic is expected to return to near normal in about a month. Some exports could be diverted to Puget Sound elevators.

The impact on cattle from ingestion and inhalation of ash particles is unknown. Haying operations have been disrupted. Cattle cannot graze where ash deposits are heavy. Therefore, cattle are being moved onto hayfields where the grass is higher. This may reduce the winter hay supply in some areas.

NOAA/USDA Joint Agricultural
Weather Facility
USDA South Bldg., Room 3526
Washington, D.C. 20250

IMMEDIATE - U. S. Weather Report

This Report Will be Treated in All Respects as Letter Mail

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(continued from page 12)

1979 82%, normal 75%. Moisture adequate for germination and growth of soybeans. Pasture condition below normal but should improve with recent rain. Early peas in bloom. Strawberry crop prospects good. Tobacco transplanting underway. Soil moisture mostly adequate to surplus. Streamflow above normal, some erosion and flooding from heavy rains.

WYOMING: Temperatures about half above normal and half below. Precipitation below normal with exceptions being portions of north.

Fieldwork: 5.0 days suitable. Topsoil moisture adequate. Shortages mostly eastern areas. Crops fair to good condition. Planting of oats, spring wheat, barley, sugarbeets nearing completion. Acreage planted: Potatoes 66%; dry beans 76%; corn 90%. Acreage emerged: Potatoes 24%; dry beans 38%; spring wheat 84%; corn 67%; sugarbeets 98%; barley 94%; oats 82%. Sugarbeets 69% thinned. Winter wheat 19% headed. Some alfalfa hay cut. Ranges and pastures mostly good condition. Livestock moved to summer ranges: Cattle, calves 55%; sheep, lambs 46%.

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