

WEEKLY WEATHER AND CROP BULLETIN

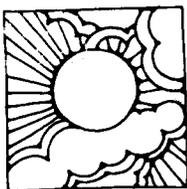
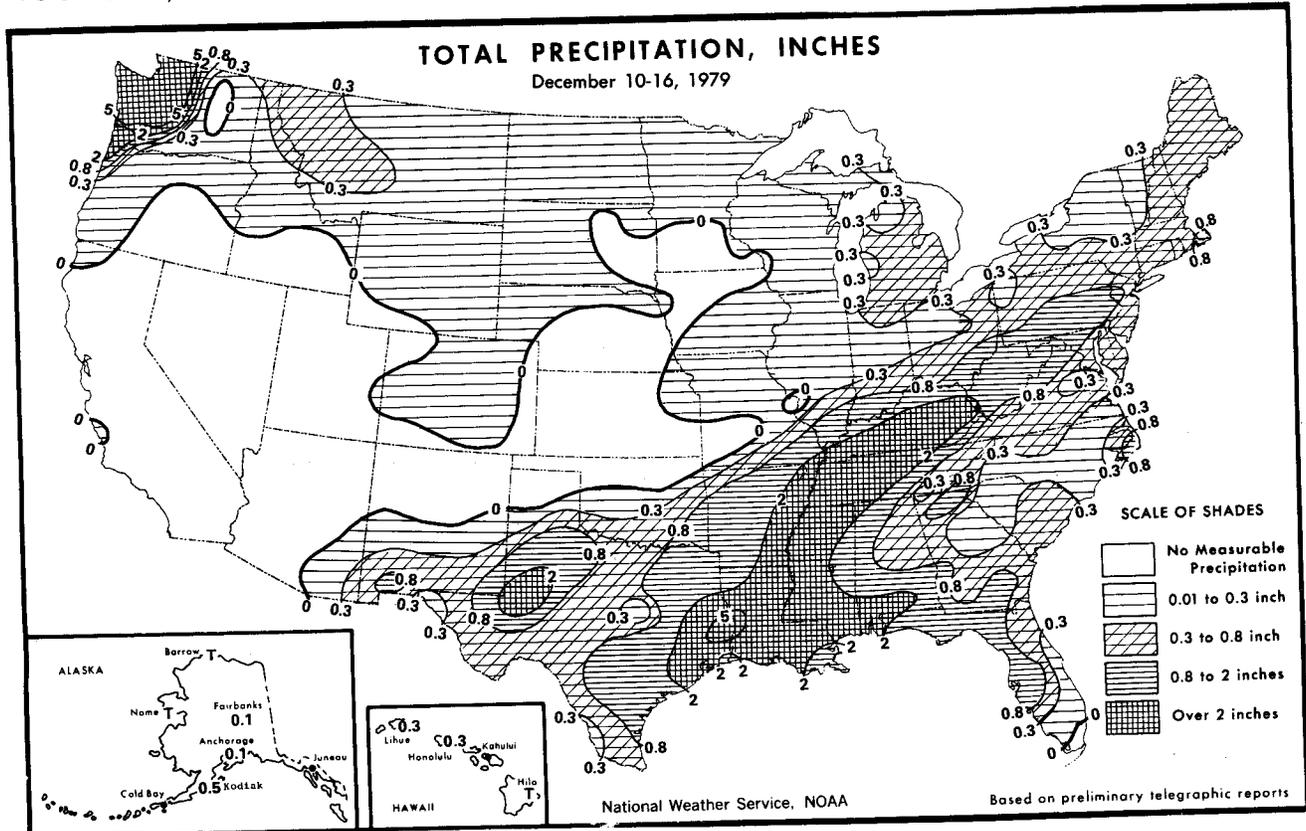
U.S. DEPARTMENT OF COMMERCE
National Weather Service, NOAA

U.S. DEPARTMENT OF AGRICULTURE
Economics, Statistics, and Cooperatives Service

Volume 66, No. 51

Washington, D.C.

Dec. 18, 1979



National Weather Summary

December 10 - 16

HIGHLIGHTS: Most of the Nation's rain and snow fell from southern New Mexico to the lower Mississippi Valley and northeastward to the Ohio Valley. The previously dry areas of southern New Mexico and West Texas recorded widespread rain or snow; some Texas points accumulated more than 2 inches of water. Amounts ranged up to 3 inches from the lower Mississippi Valley through the Ohio Valley. Flooding followed heavy rains in Washington State from the coast to the Cascade Mountains. Somewhat lighter moisture extended to the northern Rockies.

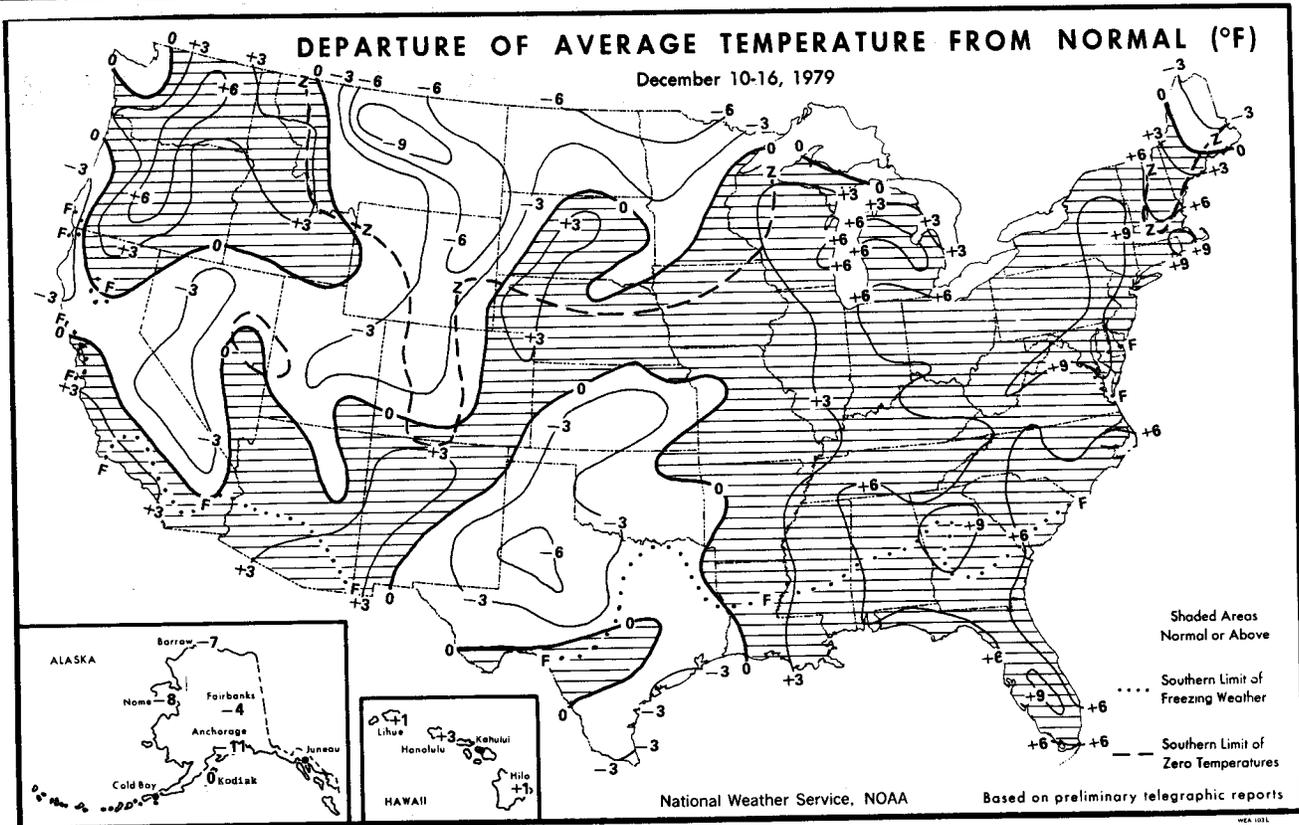
Temperatures showed sharp contrasts. Early in the week, record high readings covered the Plains. The warm air moved eastward followed by extremely cold weather, which enveloped much of the country east of the Rockies by week's end.

On Monday, a cold airmass slipped over the border from Canada dropping temperatures along the northern tier of States from Montana to North Dakota.

By day's end, snow began along the eastern slopes of the Rockies in Montana and Wyoming; 5 inches blanketed Casper, central Wyoming.

Earlier in the day, warm air from the Gulf of Mexico had pushed the mercury to record levels in the Midwest. Eight records were set in Iowa ranging from 58° at Waterloo to 60° at Ottumwa.

While frigid air settled in over the Nation's center, record high readings spanned an area from the South through the Ohio Valley and Great Lakes to the Atlantic Seaboard on Tuesday. A sampling of new marks included a record-tying 79° at Port Arthur, eastern Texas, 48° at Alpena, northeastern



Michigan, 62° at Akron/Canton, northeastern Ohio, and Baltimore's 70°.

Moisture was fairly light over the country. Midland, below the Texas Panhandle, measured an inch and a quarter of rain. Light showers dotted the Pacific Northwest, and 3 inches of snow whitened Denver.

Heavy rains doused an area from Texas through Mississippi on Wednesday. More than 5 inches soaked Bronson, Tex., near the Louisiana border. More than 3 inches fell at Alexandria, central Louisiana. One to 1.5 inches covered Jackson, Miss., and Memphis.

The record warmth continued on the East Coast. Among the records: 72° at Roanoke, southwestern Virginia, Baltimore's 72°, 69° at Providence, R.I., and 64° at Portland, southern Maine. That reading became Portland's highest-ever December temperature.

On Thursday, rain extended from the Delta Region and Deep South through the Ohio Valley. One to 2 inches fell over Lakes Charles, southwestern Louisiana, Nashville, and Louisville. Nashville's 1979 moisture total reached 67.64 inches, topping the 1880 former record mark by about a half-inch.

Rain also spread over the Pacific Northwest; Quillayute, western Washington, notched 1.5 inches. Snow began in New Mexico's mountains and stretched to northwestern Texas.

Rain persisted in the Pacific Northwest, while showers dotted Florida and East Texas, and snow fell over the Texas Panhandle and New York State on Friday.

More than an inch of rain fell over Quillayute and Seattle. Less than a half-inch dampened Corpus

Christi, Tex., and Tallahassee. Meantime, a couple of inches of snow dusted Lubbock, Tex., and Syracuse, north central New York.

A cold front surged into Montana. Havre, in the north central portion of the State, saw the mercury plummet from a near-record 56° to 19° in about an hour. To the east, Glasgow, Mont., posted a record high 55°, easily outdistancing the old mark of 49°.

Very cold air and snow dropped through Montana into the western Plains on Saturday. Daytime temperatures hovered well below zero in Montana, while several inches of snow fell in parts of the State. The cold raced in so quickly that the temperature in Cheyenne, Wyo., plunged from 43° to 23° in 5 minutes.

Rain continued in the Pacific Northwest, where an inch soaked Seattle. Several waterways reached flood stage. Rain also fell along the Atlantic Coast from Florida to South Carolina; Beaufort, S.C., accumulated three-quarters inch.

Pellston, northern Michigan, tallied a record high reading of 41°.

On Sunday, a strong cold front ushered in low temperatures and snow for a large portion of the Nation from the midlands to the upper East Coast. By day's end, 3 inches of snow had fallen in South Bend, northern Indiana. Alpena, Mich., picked up 5 inches.

Light rain was scattered over portions of Louisiana with heavier amounts falling in the Pacific Northwest and Florida. Western Washington weathered another inch of rain, while Tampa, Fla., scored nearly an inch.



National Agricultural Summary

December 10 - 16

HIGHLIGHTS: Rain brought relief to dry Texas soils and also added soil moisture to many of the south central States and the Pacific Northwest. Relatively mild temperatures during part of the week melted most snowcover on winter wheat in major production areas. Farmers had 4 or 5 days suitable for fieldwork during which they tilled soil, spread fertilizer and lime, and harvested late crops. The cotton harvest reached almost 90% finished in the Southwest; from the Delta eastward, and in California, picking was almost complete. Other row crop harvests including corn and soybeans were virtually complete in all areas of the Nation. Growers continued to seed the last remaining acreage of winter wheat. Unprotected stands were subjected to some wind damage. Cattle grazed crop stubble in many areas of the Nation. Small grain stands provided very little forage.

SMALL GRAINS: Winter wheat rated good in the Corn Belt and the minor south central States; elsewhere, the crop rated mostly fair. Snowcover was very light and receding, providing little or no protection in major production areas. Planting continued in the Southwest, southern Plains, and the Southeast. Illinois winter wheat rated good. Kansas winter wheat condition showed no improvement; blowing soils forced farmers to begin emergency tillage to control soil loss. Very little Kansas wheat pasture was available to cattle. North Dakota winds caused some soil erosion, because snowcover was light; fall-sown grains need additional protection from snow. Texas wheat seedings neared completion. Recent moisture should benefit small grains, but subnormal temperatures may hamper development. New Mexico wheat rated fair to good with 50% of the dryland acreage providing some grazing, and 70 to 85% of the irrigated stands providing forage. Montana winter wheat rated fair with light to moderate wind damage because of poor snowcover. Dry soils concerned California wheat producers; some fields were irrigated. Mild temperatures melted snowcover in the Pacific Northwest.

COTTON: Cotton picking was virtually complete in all major production areas except the southern Plains, Arizona, and New Mexico. In the Delta States, picking stood at 94% in Alabama and 98% in Arkansas and Mississippi. Rains checked final harvest activities in the lower Mississippi River Valley. The Arizona harvest advanced to 91%, well ahead of last year but near average. New Mexico cotton picking reached 86%. The Texas cotton harvest made good progress until midweek precipitation curtailed activities, except in the northern High Plains. A build-up of cotton in gin yards, coupled with cotton stored in modules, should keep gins busy. The California cotton harvest reached 98%, 10 points ahead of last year; field-stored cotton moved to gins.

OTHER CROPS: Corn harvest wound down in all areas of the Nation.

Soybean combining ranged from 98 to 99% complete in the Delta. Progress stood at 90 to 95% in the Southeast. Harvest was finished elsewhere in the Nation.

FRUITS & NUTS: Deciduous fruit growers continued to prune and clean up orchards. Pecan harvest ranged from 75% in Texas to 85% or better in the Southeast. The crop rated only poor to fair with variable quality causing farmers to abandon some of the crop.

Soil moisture in Florida citrus areas rated adequate with little or no irrigation in use. Cooler weather would be helpful to slow tree growth and promote dormancy before the arrival of colder weather. Fruit splitting in oranges was prevalent. Rains interrupted the Texas citrus harvest; picked fruit was marketed as gift packs. Arizona citrus groves rated good with little apparent freeze damage; harvests of oranges, tangerines, lemons, and grapefruit continued. California citrus producers picked a light volume of grapefruit and heavier volumes of lemons, Navels, and tangerines.

VEGETABLES: Florida weather conditions in vegetable production areas were cloudy at the beginning and end of the week but warm, clear, and sunny at midweek. Rainfall was limited mostly to a few light, widely scattered showers. Shipments gained only 1% from the previous week. A few strawberries were harvested, but good volume should not be available until early January. Texas vegetable producers shipped hardier crops including lettuce, cabbage, carrots, broccoli, and turnips. California growers harvested broccoli, carrots, cauliflower, celery, lettuce, and fresh-market tomatoes. Recent frosts decreased the volume of tomatoes available for market.

PASTURES & LIVESTOCK: Pastures generally rated fair to good across the South where annual grasses provided some forage. Cattle grazed on crop stubble in the north central States. Very little winter wheat pasture was available throughout the Great Plains because of the slow start caused by dry soils. Rainy weather and low temperatures caused considerable weight loss among livestock; however, ranges, pastures, and small grain fields needed the additional moisture. Stock water was low in many areas of Texas. Arizona range conditions were quite poor, suffering from dry soils. Ranchers provided extra feed rations and hauled water to cattle. California ranges needed rain to continue grass growth; winds depleted soil moisture. Stock water supplies were generally adequate.

Weather Data for the Week Ending Dec. 16, 1979

| 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-hour, in. | Total, in., since Dec. 3 | Pct. normal since Dec. 3 | Average maximum | Average minimum | Temperature °F | | Precipitation | |
| | | | | | | | | | | | | | | 90 and above | 32 and below | .01 inch or more | .50 inch or more |
| ALA. Birmingham . . . | 64 | 42 | 74 | 32 | 53 | 8 | .6 | -.6 | .4 | 1.3 | 36 | 83 | 52 | 0 | 1 | 2 | 0 |
| Mobile . . . | 66 | 50 | 76 | 39 | 58 | 5 | 2.2 | -.8 | 2.2 | 5.1 | 124 | 86 | 65 | 0 | 0 | 2 | 1 |
| Montgomery . . . | 66 | 47 | 78 | 35 | 57 | 8 | .6 | -.4 | 2.2 | 3.1 | 89 | 75 | 53 | 0 | 0 | 3 | 1 |
| ALASKA. Anchorage . . | 9 | -4 | 19 | -9 | 2 | -11 | .1 | -.2 | .1 | .4 | 44 | 80 | 50 | 0 | 7 | 1 | 0 |
| Barrow . . . | 1 | -14 | 22 | -28 | -7 | 6 | .1 | -.1 | .1 | 0 | 0 | 70 | 57 | 0 | 7 | 1 | 0 |
| Fairbanks . . . | -7 | -21 | 12 | -38 | -14 | 4 | .1 | 0 | .1 | .2 | 50 | 68 | 44 | 0 | 6 | 3 | 0 |
| Kodiak . . . | 35 | 23 | 46 | 16 | 29 | 0 | .5 | -.6 | .2 | 1.0 | 29 | 58 | 44 | 0 | 6 | 1 | 0 |
| Nome . . . | 5 | -13 | 21 | -21 | -4 | 8 | T | -.2 | T | .6 | 100 | 71 | 56 | 0 | 7 | 1 | 0 |
| ARIZ. Flagstaff . . . | 49 | 15 | 55 | 8 | 32 | 2 | 0 | 0 | 0 | 0 | 0 | 76 | 23 | 0 | 7 | 0 | 0 |
| Phoenix . . . | 69 | 40 | 75 | 35 | 55 | 2 | T | -.2 | T | 0 | 46 | 20 | 0 | 0 | 0 | 0 | 0 |
| Tucson . . . | 67 | 43 | 78 | 38 | 55 | 3 | .1 | -.1 | .1 | .2 | 33 | 50 | 26 | 0 | 0 | 1 | 0 |
| Winslow . . . | 50 | 18 | 65 | 9 | 34 | 0 | 0 | -.1 | 0 | 0 | -- | -- | -- | 0 | 6 | 0 | 0 |
| Yuma . . . | 71 | 45 | 78 | 42 | 58 | 2 | 0 | -.1 | 0 | 0 | -- | 17 | 0 | 0 | 0 | 0 | 0 |
| ARK. Fort Smith . . . | 52 | 30 | 69 | 18 | 41 | 0 | 1.5 | -.8 | 1.4 | 3.0 | 143 | 83 | 46 | 0 | 3 | 2 | 1 |
| Little Rock . . . | 57 | 34 | 70 | 19 | 45 | 4 | 1.5 | -.6 | 1.5 | 3.0 | 107 | 74 | 44 | 0 | 3 | 2 | 1 |
| CALIF. Bakersfield . . | 62 | 39 | 68 | 36 | 51 | 3 | 0 | 0 | 0 | 0 | -- | 48 | 0 | 0 | 0 | 0 | 0 |
| Eureka . . . | 54 | 38 | 55 | 33 | 46 | -3 | T | -1.5 | T | .2 | 4 | 83 | 61 | 0 | 0 | 1 | 0 |
| Fresno . . . | 54 | 32 | 61 | 28 | 43 | -3 | 0 | -.4 | 0 | 0 | 0 | 90 | 61 | 0 | 5 | 0 | 0 |
| Los Angeles . . . | 72 | 48 | 77 | 43 | 60 | 4 | 0 | -.5 | 0 | 0 | 0 | 49 | 41 | 0 | 0 | 0 | 0 |
| Red Bluff . . . | 62 | 34 | 64 | 30 | 48 | 2 | 0 | -.8 | 0 | 0 | 0 | 79 | 30 | 0 | 5 | 0 | 0 |
| San Diego . . . | 70 | 48 | 78 | 43 | 59 | 2 | 0 | -.4 | 0 | 0 | 0 | 46 | -- | 0 | 0 | 0 | 0 |
| San Francisco . . . | 60 | 40 | 62 | 34 | 50 | 0 | 0 | -.9 | 0 | 0 | 0 | 76 | 43 | 0 | 5 | 0 | 0 |
| Stockton . . . | 58 | 33 | 62 | 26 | 45 | 0 | T | -.6 | T | 0 | -- | 51 | 0 | 5 | 0 | 0 | 0 |
| COLO. Denver . . . | 46 | 16 | 63 | 1 | 31 | -2 | .1 | 0 | .1 | .2 | 67 | 70 | 35 | 0 | 6 | 1 | 0 |
| Grand Junction . . . | 37 | 12 | 41 | 8 | 25 | -5 | T | -.1 | T | 0 | 78 | 45 | 0 | 7 | 1 | 0 | 0 |
| Pueblo . . . | 51 | 15 | 71 | 7 | 33 | 0 | T | -.1 | T | 0 | -- | 33 | 0 | 7 | 1 | 0 | 0 |
| CONN. Bridgeport . . . | 45 | 33 | 55 | 24 | 39 | 5 | .7 | -.1 | .6 | 2.0 | 83 | 72 | 55 | 0 | 4 | 2 | 1 |
| Hartford . . . | 47 | 27 | 66 | 16 | 37 | 9 | .6 | -.3 | .3 | 1.7 | 61 | 66 | 52 | 0 | 6 | 2 | 0 |
| D.C. Washington . . . | 57 | 38 | 69 | 31 | 48 | 10 | .3 | -.4 | .3 | .7 | 33 | 80 | 51 | 0 | 1 | 1 | 0 |
| FLA. Apalachicola . . | 67 | 55 | 75 | 48 | 61 | 6 | 1.2 | -.4 | .4 | 4.5 | 188 | 96 | 72 | 0 | 0 | 3 | 0 |
| Daytona Beach . . . | 73 | 58 | 82 | 53 | 66 | 6 | .2 | -.2 | .6 | .6 | 50 | 96 | 68 | 0 | 0 | 1 | 0 |
| Ft. Myers . . . | 81 | 64 | 85 | 61 | 73 | 8 | .3 | 0 | .2 | 5.4 | 600 | 94 | 65 | 0 | 0 | 2 | 0 |
| Jacksonville . . . | 68 | 52 | 78 | 47 | 60 | 5 | .4 | -.2 | .3 | 2.2 | 129 | 97 | 70 | 0 | 0 | 3 | 0 |
| Key West . . . | 81 | 72 | 82 | 71 | 77 | 5 | 0 | -.4 | 0 | 1.1 | 92 | 94 | 68 | 0 | 0 | 0 | 0 |
| Miami . . . | 81 | 70 | 83 | 68 | 76 | 7 | 0 | -.4 | 0 | 2.8 | 233 | 89 | 65 | 0 | 0 | 0 | 0 |
| Orlando . . . | 77 | 59 | 83 | 55 | 68 | 7 | .3 | -.1 | .3 | 1.1 | 92 | 97 | 67 | 0 | 0 | 2 | 0 |
| Tallahassee . . . | 69 | 49 | 79 | 41 | 59 | 6 | .9 | -.1 | .4 | 6.1 | 210 | 97 | 68 | 0 | 0 | 3 | 0 |
| Tampa . . . | 77 | 62 | 84 | 56 | 70 | 8 | 1.0 | -.5 | .9 | 2.4 | 160 | 90 | 63 | 0 | 0 | 2 | 1 |
| W. Palm Beach . . . | 79 | 66 | 81 | 62 | 72 | 4 | .1 | -.4 | T | 2.6 | 186 | 77 | 70 | 0 | 0 | 2 | 0 |
| GA. Atlanta . . . | 65 | 43 | 75 | 35 | 54 | 11 | .1 | -.9 | .1 | .3 | 10 | 83 | 50 | 0 | 0 | 1 | 0 |
| Augusta . . . | 64 | 40 | 76 | 27 | 52 | 5 | .2 | -.6 | .2 | .9 | 39 | 86 | 56 | 0 | 1 | 2 | 0 |
| Macon . . . | 66 | 47 | 77 | 31 | 56 | 8 | .1 | -.9 | .1 | 1.2 | 41 | 88 | 61 | 0 | 1 | 2 | 0 |
| Savannah . . . | 65 | 47 | 76 | 40 | 56 | 6 | .5 | -.3 | .3 | 2.8 | 122 | 84 | 58 | 0 | 0 | 4 | 0 |
| HAWAII. Hilo . . . | -- | -- | -- | -- | 73 | 1 | T | -3.8 | T | 2.7 | 24 | -- | -- | -- | -- | -- | -- |
| Honolulu . . . | 84 | 71 | 85 | 67 | 77 | 3 | .3 | -.5 | .1 | 1.2 | 50 | 70 | 45 | 0 | 0 | 3 | 0 |
| Kahului . . . | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lihue . . . | -- | -- | -- | -- | 74 | 1 | .3 | -1.1 | -- | 2.2 | 52 | -- | -- | -- | -- | -- | -- |
| IDAHO. Boise . . . | 46 | 25 | 50 | 17 | 36 | 3 | T | -.3 | T | .1 | 10 | 76 | 38 | 0 | 7 | 1 | 0 |
| Lewiston . . . | 43 | 31 | 50 | 22 | 37 | 2 | T | -.3 | T | .3 | 33 | 70 | 50 | 0 | 4 | 0 | 0 |
| Pocatello . . . | 40 | 21 | 48 | 13 | 31 | 3 | T | -.2 | T | .1 | 14 | 68 | 33 | 0 | 7 | 0 | 0 |
| ILL. Cairo . . . | 49 | 32 | 66 | 17 | 41 | 2 | 2.0 | 1.1 | .9 | 4.0 | 148 | -- | -- | 0 | 5 | 2 | 1 |
| Chicago . . . | 43 | 25 | 57 | 7 | 34 | 5 | .2 | -.3 | .1 | .6 | 40 | 63 | 41 | 0 | 5 | 2 | 0 |
| Moline . . . | 42 | 17 | 60 | 4 | 29 | 2 | .1 | -.3 | .1 | .3 | 25 | 68 | 44 | 0 | 6 | 2 | 0 |
| Peoria . . . | 41 | 19 | 59 | 4 | 30 | 1 | .2 | -.2 | .2 | .5 | 42 | 77 | 49 | 0 | 7 | 1 | 0 |
| Rockford . . . | 40 | 17 | 53 | -1 | 28 | 3 | .1 | -.3 | .1 | .3 | 25 | 74 | 46 | 0 | 7 | 2 | 0 |
| Springfield . . . | 45 | 22 | 65 | 9 | 34 | 3 | .1 | -.3 | .1 | .2 | 15 | 77 | 50 | 0 | 6 | 1 | 0 |
| IND. Evansville . . . | 51 | 29 | 67 | 14 | 40 | 5 | 1.2 | -.4 | 1.0 | 2.4 | 100 | 82 | 59 | 0 | 4 | 2 | 1 |
| Ft. Wayne . . . | 44 | 27 | 59 | 15 | 35 | 6 | .3 | -.2 | .2 | .7 | 47 | 75 | 51 | 0 | 6 | 1 | 0 |
| Indianapolis . . . | 49 | 25 | 63 | 11 | 37 | 6 | .1 | -.5 | .1 | .2 | 11 | 84 | 47 | 0 | 6 | 3 | 0 |
| South Bend . . . | 45 | 29 | 60 | 21 | 37 | 9 | .6 | 0 | .3 | 1.6 | 89 | 78 | 57 | 0 | 5 | 3 | 0 |
| IOWA. Burlington . . . | 40 | 17 | 61 | 5 | 29 | 1 | .1 | -.3 | .1 | .3 | 25 | -- | -- | 0 | 6 | 1 | 0 |
| Des Moines . . . | 41 | 14 | 62 | 1 | 28 | 3 | T | -.2 | T | 0 | 79 | 36 | 0 | 6 | 1 | 0 | 0 |
| Dubuque . . . | 36 | 18 | 56 | 7 | 27 | 3 | .1 | -.3 | .1 | .3 | 23 | 72 | 43 | 0 | 7 | 2 | 0 |
| Sioux City . . . | 39 | 11 | 63 | -6 | 25 | 1 | T | -.2 | T | 0 | 79 | 37 | 0 | 7 | 1 | 0 | 0 |
| KANS. Concordia . . . | 44 | 17 | 62 | 1 | 31 | 0 | T | -.2 | T | 0 | 74 | 34 | 0 | 6 | 0 | 0 | 0 |
| Dodge City . . . | 43 | 15 | 64 | 0 | 29 | -5 | T | -.1 | T | 0 | 76 | 30 | 0 | 7 | 0 | 0 | 0 |
| Goodland . . . | 46 | 19 | 65 | 5 | 33 | 3 | T | -.1 | T | 0 | 68 | 30 | 0 | 7 | 0 | 0 | 0 |
| Topeka . . . | 47 | 18 | 66 | 3 | 32 | 0 | .1 | -.3 | .1 | .2 | 17 | 76 | 36 | 0 | 6 | 1 | 0 |
| Wichita . . . | 46 | 20 | 64 | 7 | 33 | -2 | 0 | -.3 | 0 | 0 | 71 | 36 | 0 | 6 | 0 | 0 | 0 |
| KY. Lexington . . . | 52 | 31 | 67 | 22 | 42 | 6 | 2.4 | 1.6 | 1.6 | 4.9 | 204 | 80 | 46 | 0 | 4 | 2 | 2 |
| Louisville . . . | 54 | 31 | 69 | 22 | 42 | 7 | 1.5 | .7 | 1.0 | 3.0 | 125 | 79 | 42 | 0 | 5 | 2 | 1 |

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending Dec. 16, 1979

| 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 Dec. 3 | Pet. normal since Dec. 3 | Average maximum | Average minimum | Temperature °F | | Precipitation | | |
| | | | | | | | | | | | | | | 90 and above | 32 and below | .01 inch or more | .50 inch or more | |
| LA. Baton Rouge | 66 | 47 | 76 | 32 | 57 | 4 | 2.2 | 1.0 | 1.6 | 4.4 | 126 | 91 | 55 | 0 | 1 | 3 | 2 | |
| LA. Lake Charles | 63 | 46 | 76 | 37 | 55 | 0 | 2.1 | .8 | 1.8 | 4.2 | 108 | 87 | 69 | 0 | 0 | 4 | 1 | |
| LA. New Orleans | 69 | 51 | 81 | 34 | 60 | 5 | .9 | .3 | .8 | 2.2 | 61 | 87 | 57 | 0 | 0 | 2 | 1 | |
| LA. Shreveport | 61 | 40 | 76 | 32 | 51 | 1 | 1.3 | .4 | 1.3 | 2.6 | 96 | 83 | 44 | 0 | 2 | 2 | 1 | |
| MAINE. Caribou | 21 | 4 | 40 | -10 | 12 | - | .6 | 0 | .3 | 1.4 | 74 | 69 | 62 | 0 | 7 | 6 | 0 | |
| MAINE. Portland | 41 | 20 | 64 | 2 | 31 | 5 | .4 | .5 | .3 | 1.2 | 43 | 75 | 47 | 0 | 6 | 3 | 0 | |
| MD. Baltimore | 56 | 33 | 71 | 23 | 45 | 9 | .5 | .3 | .5 | 1.0 | 42 | 77 | 43 | 0 | 4 | 1 | 0 | |
| MASS. Boston | 50 | 31 | 68 | 21 | 40 | 7 | .5 | .5 | .5 | 1.5 | 50 | 66 | 55 | 0 | 3 | 1 | 0 | |
| MASS. Chatham | 47 | 37 | 53 | 27 | 42 | - | 1.9 | - | 1.1 | 4.6 | 153 | 80 | 69 | 0 | 2 | 2 | 2 | |
| MICH. Alpena | 35 | 17 | 48 | 8 | 26 | 2 | .5 | .1 | .2 | 1.3 | 100 | - | - | 0 | 6 | 5 | 0 | |
| MICH. Detroit | 43 | 23 | 59 | 8 | 33 | 4 | .2 | .3 | .1 | .4 | 25 | 82 | 51 | 0 | 6 | 6 | 0 | |
| MICH. Flint | 42 | 25 | 61 | 4 | 34 | 7 | .5 | .1 | .3 | 1.1 | 92 | 83 | 48 | 0 | 6 | 3 | 0 | |
| MICH. Grand Rapids | 43 | 24 | 58 | 13 | 33 | 6 | .3 | .2 | .2 | .8 | 50 | 85 | 49 | 0 | 6 | 2 | 0 | |
| MICH. Houghton Lake | 32 | 20 | 48 | 11 | 26 | 3 | .2 | .2 | .1 | .6 | 46 | 83 | 59 | 0 | 6 | 3 | 0 | |
| MICH. Lansing | 39 | 26 | 59 | 19 | 32 | 5 | .4 | .1 | .3 | .8 | 53 | 87 | 58 | 0 | 6 | 3 | 0 | |
| MICH. Marquette | 25 | 9 | 36 | -3 | 17 | - | .2 | .3 | .1 | 1.2 | 80 | 91 | 64 | 0 | 7 | 5 | 0 | |
| MICH. Muskegon | 39 | 24 | 49 | 12 | 32 | 3 | .1 | .5 | .1 | .6 | 33 | 80 | 61 | 0 | 5 | 2 | 0 | |
| MICH. S. Ste. Marie | 28 | 10 | 40 | -1 | 19 | - | .4 | .1 | .1 | 1.9 | 119 | 89 | 66 | 0 | 7 | 7 | 0 | |
| MINN. Duluth | 28 | 3 | 37 | -11 | 15 | 0 | T | T | T | .1 | 8 | 65 | 39 | 0 | 7 | 1 | 0 | |
| MINN. Internatl. Falls | 19 | -13 | 35 | -24 | 3 | - | .2 | 0 | .1 | .6 | 100 | 58 | 45 | 0 | 7 | 3 | 0 | |
| MINN. Minneapolis | 32 | 8 | 54 | -7 | 20 | 1 | T | T | T | .2 | 33 | 80 | 40 | 0 | 7 | 0 | 0 | |
| MINN. Rochester | 34 | 10 | 52 | -4 | 22 | 3 | T | T | T | .1 | 17 | 86 | 47 | 0 | 7 | 1 | 0 | |
| MINN. St. Cloud | 27 | 2 | 43 | -10 | 15 | - | .1 | .1 | T | .4 | 67 | 79 | - | 0 | 7 | 2 | 0 | |
| MISS. Jackson | 65 | 40 | 73 | 28 | 52 | 3 | 2.5 | 1.3 | 1.7 | 5.0 | 143 | 93 | 61 | 0 | 3 | 4 | 2 | |
| MISS. Meridian | 66 | 41 | 73 | 30 | 53 | 5 | 1.2 | .1 | .9 | 2.6 | 68 | 89 | 53 | 0 | 1 | 4 | 1 | |
| MO. Columbia | 47 | 20 | 66 | 5 | 33 | 0 | T | T | T | 0 | 0 | 65 | 38 | 0 | 6 | 1 | 0 | |
| MO. Kansas City | 44 | 18 | 64 | 3 | 31 | 0 | T | T | T | 0 | 0 | 67 | 35 | 0 | 6 | 1 | 0 | |
| MO. St. Louis | 49 | 26 | 70 | 11 | 37 | 2 | T | T | T | 0 | 0 | 70 | 43 | 0 | 6 | 0 | 0 | |
| MO. Springfield | 51 | 25 | 69 | 10 | 38 | 2 | T | T | T | 0 | 0 | 70 | 32 | 0 | 6 | 0 | 0 | |
| MONT. Billings | 42 | 11 | 56 | -16 | 27 | - | .1 | .1 | .1 | .2 | 50 | 57 | 29 | 0 | 6 | 2 | 0 | |
| MONT. Glasgow | 29 | -3 | 55 | -19 | 13 | - | .5 | .1 | T | 0 | 0 | 78 | 46 | 0 | 7 | 2 | 0 | |
| MONT. Great Falls | 36 | -3 | 56 | -28 | 17 | -13 | .3 | .2 | .2 | .6 | 150 | 63 | 33 | 0 | 7 | 2 | 0 | |
| MONT. Havre | 27 | -3 | 56 | -27 | 12 | - | .1 | 0 | T | .3 | 100 | 77 | 43 | 0 | 7 | 3 | 0 | |
| MONT. Helena | 39 | 9 | 57 | -23 | 24 | - | .5 | .4 | .4 | 1.1 | 367 | 63 | 36 | 0 | 7 | 1 | 0 | |
| MONT. Kalispell | 36 | 13 | 46 | 4 | 25 | - | .4 | .1 | .1 | 1.1 | 122 | 80 | 49 | 0 | 6 | 4 | 0 | |
| MONT. Miles City | 33 | -1 | 56 | -23 | 16 | - | .1 | 0 | T | .2 | 67 | 76 | 49 | 0 | 7 | 2 | 0 | |
| MONT. Missoula | 39 | 22 | 55 | 13 | 30 | 5 | .5 | .2 | .3 | 1.2 | 150 | 69 | 54 | 0 | 7 | 3 | 0 | |
| NEBR. Grand Island | 42 | 15 | 65 | 0 | 29 | 1 | T | T | T | 0 | 0 | 70 | 32 | 0 | 6 | 0 | 0 | |
| NEBR. Lincoln | 42 | 14 | 61 | 0 | 28 | 0 | T | T | T | .1 | 17 | 80 | 33 | 0 | 7 | 0 | 0 | |
| NEBR. Norfolk | 39 | 13 | 61 | -5 | 26 | 1 | T | T | T | .1 | 33 | 70 | 35 | 0 | 7 | 0 | 0 | |
| NEBR. N. Platte | 44 | 12 | 63 | -1 | 28 | 1 | T | T | T | 0 | 0 | 68 | 30 | 0 | 7 | 0 | 0 | |
| NEBR. Omaha | 39 | 16 | 60 | -2 | 28 | - | 0 | .2 | 0 | .1 | 17 | 82 | 49 | 0 | 6 | 0 | 0 | |
| NEBR. Valentine | 40 | 9 | 65 | -13 | 25 | 0 | T | T | T | 0 | 0 | 73 | 26 | 0 | 7 | 1 | 0 | |
| NEV. Ely | 48 | 9 | 60 | -2 | 29 | 2 | 0 | .1 | 0 | 0 | 47 | 24 | 0 | 7 | 0 | 0 | | |
| NEV. Las Vegas | 59 | 32 | 64 | 28 | 46 | 0 | 0 | .1 | 0 | 0 | 30 | 16 | 0 | 5 | 0 | 0 | | |
| NEV. Reno | 50 | 14 | 56 | 7 | 32 | - | 0 | .2 | 0 | 0 | 79 | 20 | 0 | 7 | 0 | 0 | | |
| NEV. Winnemucca | 49 | 8 | 59 | 2 | 28 | - | 0 | .2 | 0 | 0 | 72 | 21 | 0 | 7 | 0 | 0 | | |
| N.H. Concord | 42 | 18 | 67 | -3 | 30 | 5 | .4 | .4 | .2 | 1.0 | 42 | 77 | 45 | 0 | 7 | 4 | 0 | |
| N.J. Atlantic City | 53 | 30 | 64 | 18 | 42 | 7 | .5 | .4 | .4 | 1.6 | 57 | 84 | 53 | 0 | 4 | 3 | 0 | |
| N.J. Trenton | 50 | 35 | 63 | 28 | 43 | 8 | .6 | .2 | .5 | 1.6 | 67 | - | - | 0 | 3 | 2 | 1 | |
| N.MEX. Albuquerque | 56 | 24 | 62 | 18 | 40 | 4 | 0 | .1 | 0 | 0 | 0 | 64 | 21 | 0 | 7 | 0 | 0 | |
| N.MEX. Roswell | 45 | 25 | 73 | 18 | 35 | - | .2 | .1 | .2 | .4 | 133 | - | - | 0 | 7 | 3 | 0 | |
| N.Y. Albany | 43 | 28 | 62 | 18 | 35 | 9 | .3 | .4 | .3 | .7 | 33 | 79 | 58 | 0 | 5 | 1 | 0 | |
| N.Y. Binghamton | 43 | 27 | 60 | 16 | 35 | 9 | .6 | 0 | .4 | 1.3 | 68 | 74 | 53 | 0 | 6 | 3 | 0 | |
| N.Y. Buffalo | 45 | 27 | 60 | 13 | 36 | 8 | .4 | .3 | .3 | 1.1 | 52 | 74 | 49 | 0 | 6 | 2 | 0 | |
| N.Y. New York | 48 | 36 | 61 | 29 | 42 | 6 | .6 | .2 | .5 | 1.8 | 72 | 77 | 61 | 0 | 2 | 2 | 1 | |
| N.Y. Rochester | 45 | 28 | 61 | 13 | 36 | 8 | .2 | .4 | .1 | .6 | 33 | 77 | 56 | 0 | 6 | 4 | 0 | |
| N.Y. Syracuse | 45 | 30 | 63 | 20 | 38 | 10 | .2 | .5 | .2 | .7 | 33 | 72 | 58 | 0 | 5 | 3 | 0 | |
| N.C. Asheville | 59 | 32 | 69 | 21 | 45 | 7 | .1 | .7 | .1 | .2 | 8 | 91 | 50 | 0 | 4 | 1 | 0 | |
| N.C. Charlotte | 59 | 37 | 69 | 28 | 48 | 6 | .3 | .5 | .2 | .9 | 38 | 81 | 54 | 0 | 2 | 2 | 0 | |
| N.C. Greensboro | 58 | 35 | 69 | 23 | 46 | 7 | .4 | .3 | .3 | 1.2 | 57 | 77 | 63 | 0 | 4 | 2 | 0 | |
| N.C. Hatteras | 64 | 44 | 71 | 30 | 54 | 6 | 1.1 | 0 | .7 | 5.8 | 176 | 88 | 63 | 0 | 1 | 3 | 1 | |
| N.C. Raleigh | 62 | 36 | 72 | 26 | 49 | 8 | .2 | .5 | .2 | .8 | 38 | 84 | 56 | 0 | 3 | 1 | 0 | |
| N.C. Wilmington | 66 | 38 | 74 | 30 | 52 | 4 | .2 | .6 | .1 | 1.9 | 79 | 83 | 49 | 0 | 2 | 3 | 0 | |
| N.DAK. Bismarck | 29 | 0 | 53 | -10 | 15 | - | 1 | 0 | .1 | .3 | 100 | 81 | 45 | 0 | 7 | 1 | 0 | |
| N.DAK. Fargo | 21 | -3 | 36 | -14 | 9 | - | 5 | T | T | .1 | 33 | 74 | 55 | 0 | 7 | 1 | 0 | |
| N.DAK. Williston | 25 | -4 | 45 | -19 | 11 | - | 5 | T | T | 0 | 0 | 61 | 44 | 0 | 7 | 1 | 0 | |
| OHIO. Akron-Canton | 45 | 27 | 62 | 18 | 36 | 7 | .3 | .2 | .2 | .9 | 56 | 71 | 40 | 0 | 6 | 3 | 0 | |
| OHIO. Cincinnati | 47 | 27 | 61 | 18 | 37 | 3 | .5 | .1 | .3 | 1.0 | 53 | 82 | 51 | 0 | 5 | 2 | 0 | |
| OHIO. Cleveland | 47 | 27 | 62 | 18 | 37 | 7 | .4 | .1 | .2 | 1.0 | 62 | 77 | 42 | 0 | 6 | 2 | 0 | |
| OHIO. Columbus | 48 | 29 | 63 | 18 | 38 | 8 | .5 | 0 | .3 | 1.2 | 75 | 83 | 47 | 0 | 5 | 2 | 0 | |
| OHIO. Dayton | 48 | 27 | 62 | 16 | 38 | 7 | .5 | 0 | .3 | 1.1 | 73 | 77 | 43 | 0 | 6 | 1 | 0 | |
| OHIO. Toledo | 44 | 26 | 62 | 14 | 35 | 7 | .3 | .2 | .2 | .6 | 40 | 78 | 49 | 0 | 6 | 1 | 0 | |
| OHIO. Youngstown | 46 | 26 | 61 | 18 | 36 | 7 | .3 | .3 | .2 | .8 | 44 | 68 | 40 | 0 | 6 | 3 | 0 | |

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending Dec. 16, 1979

| 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 Dec. 3 | Pct. normal since Dec. 3 | Average maximum | Average minimum | Temperature °F | | Precipitation | |
| | | | | | | | | | | | | | | 90 and above | 32 and below | .01 inch or more | .50 inch or more |
| OKLA. Okla. City | 49 | 29 | 69 | 13 | 39 | - 1 | .1 | -.2 | .1 | .2 | 22 | 72 | 41 | 0 | 5 | 1 | 0 |
| Tulsa | 53 | 29 | 74 | 13 | 41 | 1 | T | .4 | T | 0 | 68 | 37 | 0 | 5 | 0 | 0 | |
| OREG. Astoria | 52 | 40 | 55 | 31 | 46 | 3 | 3.0 | .6 | 1.3 | 7.6 | 104 | 83 | 77 | 0 | 2 | 7 | |
| Burns | 43 | 18 | 54 | 9 | 31 | 3 | 0 | .4 | 0 | 0 | 86 | 50 | 0 | 7 | 0 | 0 | |
| Medford | 39 | 25 | 47 | 21 | 32 | - 6 | T | .8 | T | .7 | 29 | 92 | 66 | 0 | 7 | 2 | |
| Pendleton | 44 | 30 | 51 | 24 | 37 | 1 | .1 | .2 | .1 | .3 | 30 | 71 | 51 | 0 | 4 | 2 | |
| Portland | 48 | 40 | 57 | 28 | 44 | 3 | .3 | 1.0 | .1 | 1.5 | 38 | 82 | 68 | 0 | 1 | 2 | |
| Salem | 49 | 36 | 59 | 26 | 43 | 2 | .1 | 1.4 | .1 | 1.4 | 31 | 89 | 74 | 0 | 3 | 2 | |
| PA. Allentown | 48 | 31 | 62 | 24 | 39 | 9 | 1.0 | .2 | .6 | 2.4 | 100 | 77 | 51 | 0 | 4 | 3 | |
| Erie | 46 | 33 | 61 | 22 | 39 | 8 | 2.0 | -.4 | .1 | .9 | 47 | -- | -- | 0 | 4 | 5 | |
| Harrisburg | 52 | 31 | 67 | 21 | 41 | 8 | 1.0 | .3 | .8 | 2.0 | 95 | 77 | 45 | 0 | 4 | 3 | |
| Philadelphia | 50 | 32 | 62 | 27 | 41 | 6 | .6 | -.2 | .5 | 1.8 | 75 | 74 | 63 | 0 | 4 | 2 | |
| Pittsburgh | 48 | 28 | 64 | 18 | 38 | 8 | .8 | .2 | .4 | 1.8 | 100 | 64 | 37 | 0 | 5 | 3 | |
| Scranton | 47 | 31 | 64 | 20 | 39 | 10 | .6 | 0 | .3 | 1.3 | 72 | 68 | 50 | 0 | 4 | 3 | |
| R.I. Providence | 54 | 29 | 69 | 19 | 42 | 10 | .7 | -.3 | .7 | 1.9 | 63 | 57 | 46 | 0 | 5 | 2 | |
| S.C. Charleston | 64 | 43 | 77 | 31 | 53 | 4 | .8 | .1 | .5 | 3.2 | 152 | 79 | 63 | 0 | 1 | 4 | |
| Columbia | 64 | 37 | 76 | 25 | 50 | 5 | .4 | -.4 | .3 | 1.1 | 48 | 89 | 54 | 0 | 2 | 3 | |
| Greenville | 60 | 39 | 68 | 30 | 50 | 7 | .1 | -.8 | .1 | .3 | 11 | 72 | 56 | 0 | 2 | 1 | |
| S.DAK. Aberdeen | 29 | 8 | 58 | -9 | 18 | 1 | T | .1 | T | .1 | 33 | 79 | 38 | 0 | 7 | 0 | |
| Huron | 35 | 9 | 59 | -11 | 22 | 2 | T | .1 | T | 0 | 74 | 37 | 0 | 7 | 0 | 0 | |
| Rapid City | 42 | 7 | 64 | -18 | 24 | - 2 | T | .1 | T | .1 | 33 | 66 | 27 | 0 | 7 | 1 | |
| Sioux Falls | 32 | 11 | 50 | -9 | 21 | 1 | T | .2 | T | 0 | 0 | 74 | 49 | 0 | 7 | 0 | |
| TENN. Chattanooga | 58 | 34 | 67 | 27 | 46 | 5 | .3 | -.9 | .3 | .7 | 19 | 80 | 47 | 0 | 4 | 1 | |
| Knoxville | 59 | 35 | 69 | 29 | 47 | 5 | .6 | -.4 | .6 | 1.3 | 43 | 85 | 50 | 0 | 4 | 1 | |
| Memphis | 58 | 35 | 72 | 24 | 47 | 4 | 3.0 | 1.9 | 2.7 | 6.0 | 182 | 82 | 42 | 0 | 3 | 3 | |
| Nashville | 57 | 33 | 67 | 26 | 45 | 4 | 3.1 | 2.1 | 2.1 | 6.2 | 207 | 91 | 48 | 0 | 4 | 2 | |
| TEX. Abilene | 53 | 34 | 77 | 22 | 44 | - 3 | .7 | .5 | .5 | 1.4 | 233 | 81 | 55 | 0 | 3 | 3 | |
| Amarillo | 50 | 22 | 70 | 9 | 36 | - 3 | T | -.2 | T | 0 | 69 | 30 | 0 | 6 | 0 | 0 | |
| Austin | 62 | 45 | 76 | 33 | 54 | 1 | 1.1 | .5 | 1.0 | 2.2 | 129 | 89 | 61 | 0 | 0 | 4 | |
| Beaumont | 64 | 46 | 79 | 36 | 55 | 0 | 1.3 | .2 | 1.0 | 2.6 | 79 | 80 | 65 | 0 | 0 | 4 | |
| Brownsville | 66 | 53 | 81 | 47 | 60 | - 3 | .5 | .2 | .2 | 2.0 | 222 | 94 | 70 | 0 | 0 | 3 | |
| Corpus Christi | 67 | 50 | 83 | 40 | 59 | - 1 | .9 | .5 | .6 | 1.8 | 150 | 94 | 65 | 0 | 0 | 3 | |
| Del Rio | 64 | 44 | 79 | 32 | 54 | 2 | .7 | .6 | .6 | 1.4 | 467 | 90 | 57 | 0 | 1 | 3 | |
| El Paso | 57 | 31 | 72 | 20 | 44 | - 1 | .1 | 0 | .1 | .2 | 67 | 78 | 43 | 0 | 4 | 2 | |
| Fort Worth | 56 | 37 | 78 | 28 | 46 | - 2 | 1.0 | .6 | .9 | 2.0 | 167 | 82 | 55 | 0 | 1 | 1 | |
| Galveston | 60 | 49 | 68 | 44 | 55 | - 3 | 2.1 | 1.3 | 1.8 | 4.2 | 175 | 91 | 75 | 0 | 0 | 3 | |
| Houston | 64 | 42 | 76 | 35 | 53 | - 1 | 2.3 | 1.4 | 2.2 | 4.6 | 164 | 86 | 61 | 0 | 0 | 3 | |
| Lubbock | 44 | 28 | 75 | 16 | 36 | - 5 | 1.3 | 1.2 | .6 | 2.6 | 867 | 89 | 54 | 0 | 6 | 3 | |
| Midland | 52 | 34 | 77 | 27 | 43 | - 3 | 2.2 | 2.1 | 1.2 | 4.4 | 1467 | 89 | 54 | 0 | 5 | 3 | |
| San Angelo | 53 | 34 | 76 | 25 | 43 | - 5 | .7 | .6 | .3 | 1.4 | 467 | 85 | 57 | 0 | 5 | 4 | |
| San Antonio | 67 | 48 | 80 | 37 | 58 | 4 | .9 | .5 | .4 | 1.8 | 150 | 88 | 57 | 0 | 0 | 5 | |
| Victoria | 63 | 45 | 76 | 40 | 54 | - 3 | .8 | .4 | .7 | 1.6 | 123 | 77 | 67 | 0 | 0 | 3 | |
| Waco | 57 | 39 | 75 | 28 | 48 | - 2 | .3 | .2 | .3 | .6 | 40 | 88 | 61 | 0 | 1 | 2 | |
| Wichita Falls | 52 | 33 | 77 | 20 | 42 | - 3 | .4 | .1 | .3 | .8 | 89 | 81 | 51 | 0 | 3 | 2 | |
| UTAH. Blanding | 45 | 19 | 52 | 15 | 32 | 2 | 0 | -.3 | 0 | 0 | 82 | 35 | 0 | 7 | 0 | 0 | |
| Salt Lake City | 42 | 19 | 49 | 15 | 30 | 0 | T | -.3 | T | 0 | 87 | 44 | 0 | 7 | 0 | 0 | |
| VT. Burlington | 38 | 21 | 56 | 12 | 30 | 6 | .1 | -.4 | .1 | .3 | 19 | 70 | 48 | 0 | 7 | 4 | |
| VA. Lynchburg | 57 | 34 | 71 | 25 | 46 | 8 | .7 | -.1 | .7 | 1.5 | 65 | 74 | -- | 0 | 3 | 2 | |
| Norfolk | 59 | 40 | 70 | 32 | 50 | 7 | .2 | .5 | .2 | .8 | 38 | 71 | 59 | 0 | 1 | 2 | |
| Richmond | 59 | 33 | 72 | 27 | 46 | 7 | .6 | -.1 | .6 | 1.9 | 86 | 90 | 56 | 0 | 4 | 1 | |
| Roanoke | 58 | 32 | 72 | 21 | 45 | 8 | .6 | -.1 | .5 | 1.2 | 57 | 77 | 51 | 0 | 3 | 2 | |
| WASH. Colville | 35 | 28 | 45 | 17 | 32 | 4 | .2 | -.3 | .1 | .5 | 33 | -- | -- | 0 | 5 | 2 | |
| Omak | 40 | 26 | 54 | 15 | 33 | 6 | 0 | -.4 | 0 | .2 | 17 | -- | -- | 0 | 5 | 0 | |
| Quillayute | 47 | 35 | 52 | 30 | 41 | 0 | 9.7 | 6.1 | 4.4 | 23.5 | 220 | 90 | 80 | 0 | 3 | 6 | |
| Seattle-Tacoma | 46 | 35 | 50 | 30 | 41 | 0 | 5.2 | 3.9 | 1.9 | 11.4 | 285 | 88 | 74 | 0 | 3 | 5 | |
| Spokane | 39 | 27 | 46 | 20 | 33 | 3 | .2 | -.3 | .2 | .8 | 53 | 73 | 46 | 0 | 6 | 2 | |
| Walla Walla | 47 | 35 | 54 | 26 | 41 | 3 | .2 | -.2 | .2 | .7 | 58 | 69 | 55 | 0 | 2 | 3 | |
| Yakima | 48 | 28 | 57 | 21 | 38 | 6 | .2 | 0 | .2 | .5 | 71 | 82 | 49 | 0 | 6 | 1 | |
| W. VA. Beckley | 53 | 31 | 65 | 20 | 42 | 9 | .4 | -.4 | .3 | .0 | 30 | 77 | 45 | 0 | 5 | 2 | |
| Charleston | 57 | 30 | 70 | 19 | 43 | 7 | 1.8 | 1.1 | .9 | 3.7 | 176 | 79 | 41 | 0 | 4 | 3 | |
| Huntington | 54 | 32 | 70 | 21 | 43 | 7 | 1.8 | 1.2 | 1.0 | 3.7 | 195 | 70 | 43 | 0 | 4 | 3 | |
| Parkersburg | 51 | 32 | 66 | 23 | 42 | 7 | 1.1 | .5 | .6 | 2.4 | 133 | 66 | 45 | 0 | 4 | 2 | |
| WISC. Green Bay | 36 | 17 | 47 | -3 | 27 | 6 | .1 | -.2 | .1 | .6 | 67 | 74 | 55 | 0 | 7 | 1 | |
| La Crosse | 38 | 14 | 56 | 3 | 26 | 3 | T | -.2 | T | .2 | 29 | 82 | 52 | 0 | 7 | 0 | |
| Madison | 39 | 17 | 53 | -3 | 28 | 6 | 1 | -.3 | .1 | .3 | 25 | 84 | 50 | 0 | 6 | 1 | |
| Milwaukee | 41 | 20 | 55 | 2 | 31 | 6 | .1 | -.3 | .1 | .3 | 25 | 78 | 52 | 0 | 7 | 2 | |
| WYO. Casper | 35 | 7 | 50 | -11 | 21 | - 5 | .2 | .1 | .1 | .5 | 167 | 68 | 37 | 0 | 7 | 2 | |
| Cheyenne | 40 | 14 | 57 | 2 | 27 | - 2 | T | -.1 | T | 0 | 52 | 32 | 0 | 7 | 1 | 0 | |
| Lander | 38 | 9 | 53 | 2 | 23 | 0 | .1 | 0 | .1 | .2 | 67 | 76 | 38 | 0 | 7 | 1 | |
| Sheridan | 42 | 0 | 66 | -21 | 21 | - 5 | .2 | .1 | .1 | .5 | 125 | 57 | 26 | 0 | 7 | 3 | |
| P.R. San Juan | 85 | 75 | 85 | 73 | 80 | 3 | 1.1 | 0 | .3 | 2.0 | 61 | 90 | 65 | 0 | 0 | 5 | |

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: Sunny, mild early; cloudy, rainy through weekend. Temperatures averaged 7° above normal, but 5° subnormal night of 16th. Southern areas received most rainfall, heaviest total Mobile 2.21 in.

Fieldwork: 3.5 days suitable. Soil moisture adequate to surplus. Main activity cotton and soybean harvest, turning land, shredding stalks, livestock and poultry care. Soybeans 98% harvested, 2 weeks behind 1978. Cotton 94% harvested, 4 weeks behind 1978. Wheat 98% seeded. Pecans 85% harvested. Wheat good condition. Livestock mostly good. Pastures fair all areas except poor southeast.

ARIZONA: Mild, generally dry except weather disturbance brought light precipitation southeast. Heaviest amounts about 0.25 in. Temperatures ranged from 1° below normal to 4° above.

Cotton harvest 91% completed, 77% this time last year, average 92%. Small grain planting continued. Good growth continued, sugarbeets. Alfalfa continued good progress. Lettuce harvest full swing, Yuma, Salt River Valley areas. Some Salt River Valley fields complete, being plowed for following crops. Broccoli, cabbage, cauliflower, carrots, seasonal progress, at maturity. Harvest Navel, sweet oranges, tangerines, lemons, grapefruit continued. Citrus groves good condition, little apparent freeze damage. LP gas supplies adequate. Diesel, gasoline supplies mostly adequate except southeast where adequate to tight. No improvement, range conditions. Drought quite severe. Supplemental feeding, water hauling required. Cattle, calves fairly good condition.

ARKANSAS: Mild first of week turning cold with rain midweek. Highest normal 48°, lowest 39°. Highest mean 52°, lowest 39°. Highest temperature 71°, lowest 19°. Most rainfall 2.45 in., least 0.13 in.

Rice, corn and grain sorghum harvests complete. Rain stopped scrapping of cotton; cotton 98 to 99% harvested. Stalk destruction 25 to 35% complete in east. Small grain progress excellent due to midweek rains and good weather. Livestock and pastures satisfactory. Feeding hay and supplements to livestock.

CALIFORNIA: High pressure kept storm activity north of State. Only rain was some light amounts along extreme north coast early week. Cold morning temperatures brought frost to most northern areas but this was balanced by mild afternoon readings.

Cotton harvest 98% complete, 88% last year. Cotton stored in fields moving to gins. Lack of moisture causing concern small grain producers, some fields being irrigated. Small grain acreage may be reduced in south if rain not received very soon. Sugarbeet harvest and planting next year's crop continued. Green chopping and sheeping off alfalfa fields active. Burning rice straw active when allowed. Seasonal cultural practices continued. Avocados, dates, desert grapefruit picked light volume. Lemon harvest active. Good to excellent quality. Navel oranges good to excellent quality picked throughout State. Tangerine movement good to excellent quality. Artichokes quite light central coast. Broccoli good supply central and south coast. Carrots moderate supply. Cauli-

flower harvest active all districts. Celery harvest winding down Salinas, active Santa Maria, increasing south coast. Lettuce harvest declining Palo Verde Valley, increasing Imperial Valley. Market tomatoes decreasing San Diego following recent frost. Ranges need rain to continue grass growth. Soil moisture depleted by wind. Supplemental feeding necessary. Livestock good condition. Stock water supplies generally adequate. Farm fuels sufficient for all farming activities.

COLORADO: Fair weather 10th followed by snow, strong winds 11th. Up to 6 in. snow some mountain areas; 1 to 3 in. eastern foothills. Skies cleared 12th with coldest temperatures of season some areas, warming trend until 16th when strong winds, light snow, and cold returned. Temperatures mostly 2 to 5° below normal in Colorado River Basin. Elsewhere 2 to 5° above normal, except eastern foothills where strong winds kept temperatures below normal.

FLORIDA: Temperatures averaged nearly 5° above normal. Middle 80's from southwest to central 12th. Weak cold front moved into Panhandle 13th, down Peninsula 14th. Rain 0.50 in. or more 14th, little or no rain Peninsula. Cloudy skies blanketed State weekend. West central had about 1.00 in. rain. Ruskin over 1.00 in. East and south coast had scattered rain showers.

Soil moisture mostly adequate, few wet spots south. Soybean, hay harvests practically complete. Sugarcane, cotton harvests active. Preparing tobacco plant bed underway. Fuel supplies mostly adequate, little tight in Panhandle, few scattered deficit areas south. Pastures good condition south, poor to fair other areas. Winter annual pastures made good progress. Some late haying, supplemental feeding begun. Cattle good condition. Citrus soil moisture adequate, little or no irrigation in use. Cooler weather desirable to slow tree growth and promote dormancy before arrival colder winter months. Fruit splitting in oranges continued heavy. Weather condition vegetable growing areas first and last of week cloudy; mild while remainder week warm, clear, sunny. Temperatures nighttime 60's, 70's with daytime highs 70's, 80's. Winds light to moderate. Rainfall limited to a few light, widely scattered showers but some areas received up to 4.00 in. Vegetable harvest, planting, other fieldwork interrupted by showers. Shipments gained 1% over previous week. Condition generally good, some excellent. Quality, yields fair to very good. Crops gaining volume were cabbage, carrots, cauliflower, chinese cabbage. Supplies celery, eggplant, lettuce, parsley, squash increased while snapbeans, cucumbers, escarole, peppers, radishes held steady. Shipments sweet corn, okra, tomatoes decreased. Light harvest strawberries underway Plant City area. Good volume expected early January. Crops other areas generally good condition. Light watermelon planting underway southwest.

GEORGIA: Temperatures averaged 4 to 8° above normal. Extremes: 20 and 79°. Rainfall greater extreme north and extreme west; amounts up to 0.40 in. Totals elsewhere near 0.10 in. or less.

Prior to rains 15th and 16th in south, soil moisture adequate. Fieldwork: 5 days suitable. Harvest and fall planting approached completion.

Corn 99% harvested, last year 99%. Cotton 99% this and last years. Soybeans 95% combined, last year 96%; condition fair to mostly good. Pecans 86% gathered, last year 83%; poor to fair. Wheat 97% planted, last year 91%. Rye 99% planted, last year 94%. Other small grains 98% planted, last year 91%. Pastures some improvement, fair to mostly good. Both cattle and hogs good. LP gas 96% adequate. Diesel 92% adequate, 6% tight. Gasoline 93% adequate, 5% tight.

HAWAII: Favorable weather returned Island chain. Most crop areas generally sunny with some rains. Rains beneficial some sections.

Good crop recovery from last week's high winds and rains in Maimea district, Island of Hawaii. Crop progress fair to good. Vegetable supplies light to moderate. Banana supplies light. Papaya supplies decreasing; spraying frequent, minimizing disease losses. Pineapple harvesting slow. Sugar harvesting down. Fuel supplies adequate. Pastures generally fair to good.

IDAHO: Temperatures above normal. Extremes: 68 and -21°. Precipitation generally limited to north and east. Maximum precipitation 0.69 in.

Farmwork limited to chores and caring for livestock. Marketing slow. Farmers in south concerned about level of snow pack and irrigation water supplies for 1980. Livestock in fair to good condition. Feed supplies generally adequate.

ILLINOIS: Temperatures 9° above normal northwest, 2 to 6° above normal elsewhere. Maximums in 70's. Precipitation 0.10 to 0.20 in. northern two-thirds, 2.00 in. extreme south.

Soil moisture short to adequate. Winter wheat good. Plowing 1980 corn, soybean acreage 75% complete, 70% 1978, 61% average. Livestock good condition; on corn stubble.

INDIANA: Warm but very cold by weekend. Temperatures averaged 5° above normal and ranged from 3 to 67°. Precipitation from 0.80 in. south, 0.10 in. central, to 0.30 in. north. Snowcover trace central to 5 in. near Lake Michigan. Sunshine 50% of possible.

Some late tilling and harvesting where conditions permitted. Other activities: Stripping tobacco, spreading lime and fertilizer, cutting wood, caring for livestock and usual chores.

IOWA: Mild, dry. Temperatures averaged 1 to 4° above normal with little or no precipitation. Most measurable amounts fell over southeast.

KANSAS: Little to no precipitation. Temperatures averaged from 30° southwest to 37° southeast; 1 to 3° above normal north and east central to 4° below normal southwest.

Winter wheat condition unimproved. Blowing soil reported, emergency tillage underway. Some seeding still being completed. Very little wheat pasture available. Cattle on stalks with supplemental feeding.

KENTUCKY: Dry and unusually warm weather early period but by midweek widespread rain and much colder. Cold arctic air weekend. Temperatures averaged 3 to 5° above normal with precipitation falling mostly as rain and ranging from 1.00 in. or less north and 2.00 - 3.00 in. south.

Rain at midweek brought burley back into case and stripping resumed. Burley marketings light last week, high percentage of farmers below quota. Dark air cured and dark fired markets open, volume will also be less on these types. Late season pastures good. Soil moisture adequate, excessive some areas.

LOUISIANA: Temperatures 1 to 3° above normal. Extremes: 81 and 28°. Widespread rain. Heaviest 24-hour total 6.50 in.

Activities: Sugarcane harvest nearing completion. Caring for livestock, citrus harvest, routine chores.

MARYLAND & DELAWARE: Temperatures much above normal. Highs averaged in mid-50's to low 60's except around 50° in mountains. Lows averaged in low to mid-30's except mid-20's in mountains. Precipitation light to moderate, averaging about 0.60 in. Weekend fair and cold with light showers late 16th.

MICHIGAN: Mild, temperatures near normal over Upper Peninsula and 2 to 7° above normal over Lower. Warmest day 11th with coolest 12th through 15th. Precipitation light averaging 0.25 to 0.33 in. Snow depth increases minimal; most only 2 in. Greatest snow depth 9 in.

Main farm activities: Equipment and building repair, cattle feeding and normal farm chores.

MINNESOTA: Temperatures averaged near normal except 6° below normal extreme north. Extremes: 54 and 24°. Precipitation averaged near normal extreme north central, 0.15 to 0.30 in. below normal elsewhere. Precipitation ranged from 0.19 in. to traces. Snowfall totaled 2 in. extreme north, less than 1 in. elsewhere. Snow depth 2 to 6 in. north central and northeast, less than 1 in. elsewhere.

MISSISSIPPI: Temperatures ranged above mid-December normals. Extremes: 20° to 78°.

Soil moisture surplus. Fieldwork: 2.5 days suitable. Farmers winding up harvest. Soybeans 99% harvested, 100% 1978, 95% average. Pecans 87% harvested, 83% 1978, 90% average. Winter wheat 98% planted, 100% 1978; condition good to fair. Pasture fair to good condition. Livestock good to fair condition. Hay and roughage and feed grain supplies adequate. Diesel, gasoline and LP gas supplies adequate.

MISSOURI: Temperatures ranged from 2° above normal Bootheel to 6° above normal north. Precipitation light except in southeast Ozarks and Bootheel, which had up to 2.00 in. rain, freezing rain and ice midweek.

MONTANA: First major outbreak of arctic air 15th and 16th. Southwest and west escaped bitter cold. Temperatures averaged from 2° above normal northeast to 8° above in southwest and west. Precipitation mostly moderate with some heavy amounts in west. Damaging winds occurred prior to onslaught of arctic air.

Winter wheat in fair condition with light to moderate wind damage. Snowcover poor, providing very little protection for winter wheat. Supplemental feed; 50% of cattle and 70% of sheep. Cattle and sheep in good condition.

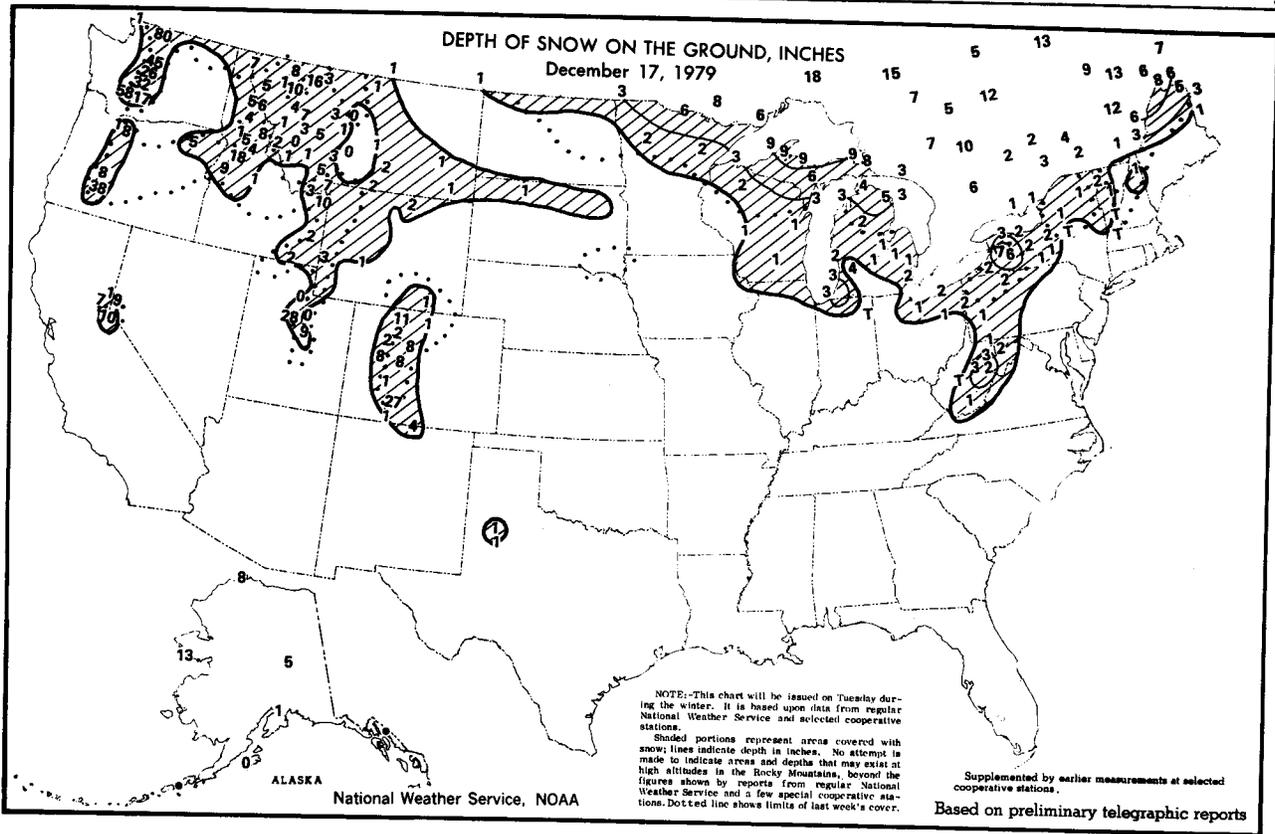
NEBRASKA: Temperatures averaged near normal. Precipitation light to none.

Good progress made on winding up harvest of corn crop.

NEVADA: Cold, dry weather continued. Precipitation insignificant. Cold airmass midweek brought coldest weather of season. Average temperatures ranged from 5° below normal to 4° above.

Cotton harvest nearing completion. Livestock benefiting from lack of snow.

NEW ENGLAND: Record high temperatures early week. More seasonal readings later. Snow midweek with



1 to 3 in. south and central areas. Light rain end of week in south and central.

NEW JERSEY: Temperatures 4 to 5° above normal averaging 36° north, 40° south, 42° coastal. Extremes 14 and 71°. Precipitation near normal averaging 0.71 in. north, 0.52 in. south, 0.58 in. coastal.

Farm activities: Fruit tree pruning, caring for livestock, general repair and maintenance chores. Some late field corn and soybean combining being done.

NEW MEXICO: Very warm beginning of week turning sharply colder northeast and east central 11th with light snow mountains and northeast plains. Colder statewide 12th. Widespread rain and snow south 12th and 13th, clearing 14th. Warmer east 15th, turning colder again 16th. Temperatures averaged near normal.

Harvesting cotton. Pecans interrupted by rains, harvest resumed as fields permitted. Cotton 86% harvested. Pecans 50% picked up. Winter wheat good to fair; irrigated grazing 70 to 85% of acreage, dryland grazing 50%. Soil moisture short to adequate. No fuel shortages. Livestock good. Ranges fair, need rain.

NEW YORK: Temperatures continued above normal. Record or near-record high temperatures early week. Readings dropped to near normal levels by midweek, rose to above normal by weekend. Temperatures averaged 7° above normal. Precipitation generally below normal except for lower Hudson Valley, Long Island. Snow 2 to 4 in. in Catskills, Mohawk Valley, southern tier, and upper Hudson Valley. Elsewhere snowfall light, except to lee of Great Lakes.

NORTH CAROLINA: Temperatures above normal. Precipitation light, generally 0.50 in. or less.

Fieldwork: 4.3 days suitable. Soil moisture adequate. Condition of wheat, oats, barley, rye fair to mostly good; pasture fair to mostly good. Harvested: Soybeans 90%, 1978 84%, average 86%; corn, sorghum, and cotton nearing completion. Planted: Small grains seeding virtually complete. Major activities: Soybean combining, general farm maintenance, plant bed preparation and discing fields.

NORTH DAKOTA: Temperatures quite variable. Week began mild but cold air surged in on 11th. Mild weather returned during midweek. Another cold wave swept in on 15th. Extremes: 58 and -29°. Precipitation light.

Dry conditions. Snowcover generally light. Winds causing some soil erosion. Additional snowfall needed to protect fall sown grain. Periods of mild weather an aid to livestock. Feed supplies appear adequate for winter.

OHIO: Temperatures mild through 13th; cold air moved in early 14th. Extensive rainfall 12th, freezing rain in some areas 14th, and light snow in northern third 16th. Temperatures ranged from 70 to 3° averaging 6° above normal. Precipitation ranged from 0.10 in. northwest to 1.10 in. southeast; 0.30 in. below normal.

Livestock still being pastured. Pastures not overgrazed this summer are still providing adequate roughage.

OKLAHOMA: Temperature, precipitation quite variable. Most sections near normal, on average the south central and southeast sections about 4° cooler than normal. Largest rains also occurred in this area. Extreme cold moved into State weekend following midweek temperatures in 60's and low 70's. Coldest was 3° on 17th. No rain in Panhandle; southeast wettest averaging 1.89 in.

OREGON: Temps near normal. Precipitation varied from a little over 1.00 in. at few coastal stations to little or none east of Cascades.

Field activity limited. Some spraying. Little winter plowing in west as weather permitted. Winter wheat good condition. Soil moisture adequate to surplus. Livestock condition good. Hay supply now getting tight as outside buyers creating shortage. Fuel supplies adequate.

PENNSYLVANIA: Rapid movement of weather systems produced alternating periods of sunny, mild and cold, blustery days with normal precipitation mid-week and additional light amounts 16th. Totals from 0.25 in. northwest to 0.50 to 0.75 in. most other areas. New snow of 1 in. north 16th as temperatures turned much colder accompanied by 30 to 40 mph winds. Temperatures averaged 4 to 10° above normal with extremes 67 and 4°.

PUERTO RICO: Island average rainfall 0.70 in. or 0.34 in. below normal. Temperatures averaged about 78° on coasts and 73° interior. Extremes: 91 and 49°.

SOUTH CAROLINA: Below freezing temperatures first part but average above normal. Rainfall below normal except south.

Soybean harvest winding down with several sunny days available. Soil testing and liming. Fumigating tobacco beds, preparing tomato and vegetable land in coastal areas for spring planting.

SOUTH DAKOTA: Temperatures varied widely. Early week 50 to 60° common. Late week below 0°. Extremes: 67 and -23°. Precipitation light; generally less than 0.10 in.

TENNESSEE: High pressure early week and again on weekend. Cold front passed through midweek bringing rain. Arctic air moved in late 16th dropped temperature to teens and low 20's. Rainfall averaged 3.00 in. west and middle, 0.26 to 0.61 in. east. Temperatures averaged 5° below normal--mid-40's.

TEXAS: Midweek and weekend cold fronts dropped temperatures appreciably. Precipitation above normal with heaviest concentrations east central to west central Panhandle.

Midweek rains throughout Texas alleviated dry conditions. Northern High Plains missed precipitation, South Texas received only light drizzle but elsewhere received from 0.50 to over 2.00 in. Freezing temperatures caused some snow and ice throughout southern High Plains, Low Plains, Cross-Timbers. Small grains will benefit from moisture but cold wave will hamper development. Cotton harvest made good progress until midweek precipitation curtailed stripping except northern portion High Plains. Over 80% Plains crop harvested, pushing State total to 88%. Open weather will enable complete harvest before January. Buildup of cotton coupled with cotton stored in modules will keep many gins busy well into 1980. Soybean harvest virtually complete by weekend. Pecan harvest 75% complete. Small grains will benefit from moisture. Wheat and barley plantings nearing completion. Virtually all fall planted oats seeded by weekend. Midweek ice on Low Plains, Cross-Timbers did little damage to oats. Grain mites found isolated Plains fields, and Blacklands. Additional moisture would be welcome especially South Texas where many flax producers still awaiting moisture for planting.

Heavy supplemental feeding became necessary as cold temperatures and rain spread across State with ice and snow covering portions of north, west.

Inclement weather caused considerable shrinkage among livestock, however, moisture needed for ranges, pasture, small grain fields. Additional moisture needed along with warm days to promote winter forage growth. Stock water low many areas. Lambing underway on Edwards Plateau.

In Lower Rio Grande Valley harvest, shipment fall vegetables and citrus again interrupted and delayed by rain. Where conditions allowed, harvest lettuce, cabbage and carrots active. Most onions planted and up and in generally good condition. Some onion fields have poor stands, most fields in good shape and making normal progress. Citrus harvest continued; but slowed by wet groves. Emphasis continues on harvest for gift packs and fund raising sales. In San Antonio-Winter Garden harvest fall vegetables continued in full swing with movement of cabbage, broccoli, lettuce, eggplant, turnips. Onions and carrots growing well although considerable variation in stages of growth. At Laredo, broccoli about ready for harvest while cabbage growing well. In South Texas cabbage, carrots, broccoli making normal progress. In Coastal Bend most vegetables making normal growth. Cabbage received needed moisture. At El Paso harvest of red chile peppers finished. At Pecos onion land for 1980 being prepared. Carrot harvest continued. On the High Plains final digging of carrots completed at Hereford. Pecan harvest was slowed by cold wet weather. Quality of remaining pecans has been mixed as many not filled out completely. With low price, many pecans being left behind.

Cotton harvested 88%, 65% 1978, 83% average. Wheat planted 99%, 100% 1978, 100% average; emerged 88%. Soybeans harvested 100%, 100% 1978, 99% average. Pecans harvested 75%, 81% 1978, 85% average. Barley planted 96%, 100% 1978. Flax planted 55%, 79% 1978, 83% average. Oats planted 100%, 100% 1978, 100% average.

UTAH: Few isolated very light showers or snow flurries northwest forepart period. Little or no accumulations. Average temperatures continued variable ranging between 4° below normal and 5° above.

Soil moisture deficit increased. Most fall work completed. Many farmers preparing equipment for spring work. Other activities: Sorting and marketing apples, potatoes, and onions; caring for livestock.

VIRGINIA: Temperatures averaged above normal. Extremes: mid-teens to lower 70's. Light to moderate rain on 13th and 14th averaging about 0.50 in.

Topsoil moisture adequate to surplus. Field-work: 4.5 days available. Farm fuel supplies mostly adequate. Winter grains, grazing excellent. Mild weather aided calving, lambing resulting in very few problems. Burley, fire-cured, sun-cured tobacco sales active. Corn, soybean, sorghum combining ending. Other tasks: Liming, fertilizing, plowing, discing, pruning, seeding rye and wheat, treating tobacco plant bed areas, fencing, cleaning barns, soil sampling.

WASHINGTON: West: Temperatures averaged 3° above normal. Precipitation was above normal ranging from 1.10 to 2.2 in.

Christmas tree harvest very active but beginning to wind down; pruning and tying of caneberries continued; cabbage seed fields look good. Dairy and livestock on winter programs. Hay supplies adequate.

(continued on page 21)

International Weather and Crop Summary

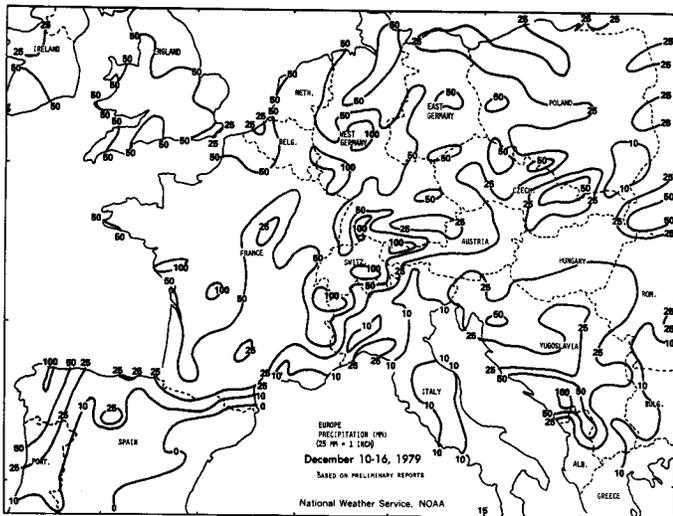
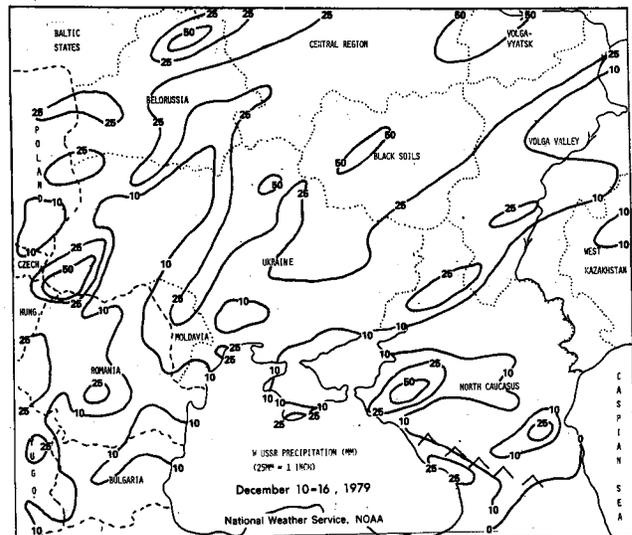
December 10 - 16

HIGHLIGHTS:

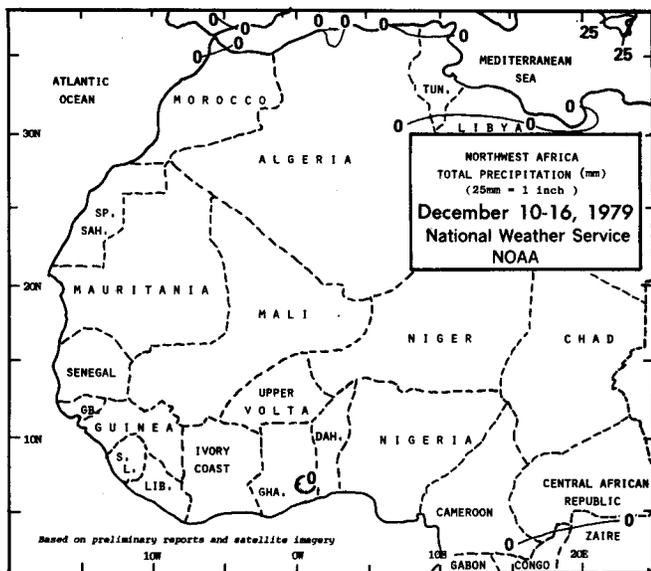
- USSR. Winter grains dormant...colder temperatures, new snow adequate.
- EUROPE. Winter grain sowing nearly complete in the south*...dry in parts of Spain.
- CHINA. Winter grains dormant only in the north*...irrigation water adequate.
- INDIA. Sowing winter wheat...light rain in northern Uttar Pradesh. Harvesting cotton in the south*...favorable weather.
- AUSTRALIA. Harvesting winter grains in the south...favorable weather.
- AFRICA. Northern: sowing winter grains*...too dry in Morocco. Southern: planting in the Maize Triangle...generally adequate soil moisture.
- ARGENTINA. Harvesting wheat in Santa Fe*...heavy, disruptive rains.
- BRAZIL. Planting soybeans in Rio Grande do Sul...nearly excessive soil moisture.
- MEXICO. Vegetables growing on west coast...sunny and mild, drought continues.

*Based on normal crop calendar information.

USSR. Temperatures dipped below normal late in the week, following about four weeks of unseasonably warm weather in the Ukraine. Extremely cold temperatures early in November cooled the average for that month down to near normal. Snowfall in advance of the cold air left a protective cover of 5 to 15 cm where the lowest temperatures of about -12°C occurred. Precipitation registered above normal in most winter grain areas, continuing the pattern of November, but some moisture deficiencies remained in the western Ukraine and northern portions of the North Caucasus. Soils in western portions of the New Lands dried out somewhat as November precipitation fell short of normal, but more-easterly areas stayed wet. Warm conditions in cotton-growing areas early in November brought the crop to maturity and assured good yields, while relatively dry harvest weather helped the Soviets reap an excellent crop.

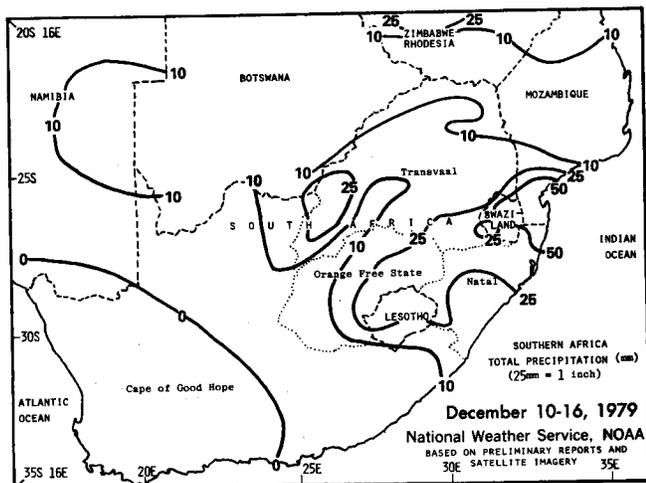
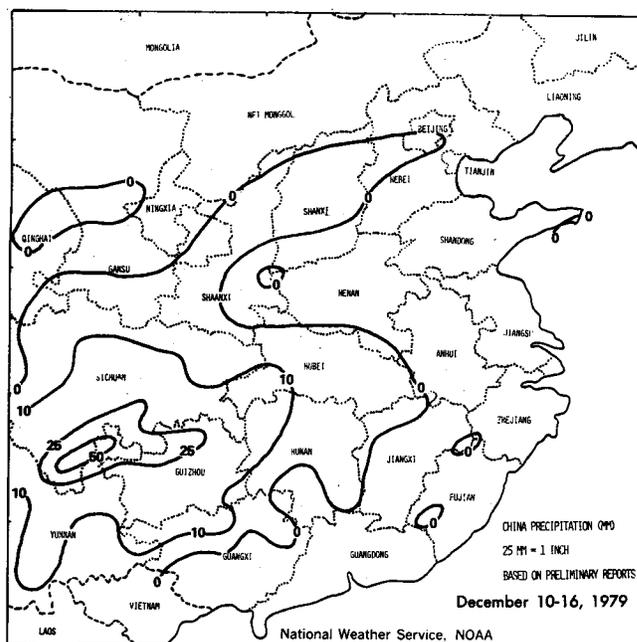


EUROPE. Heavy precipitation occurred across much of northern Europe, with the week's totals exceeding the monthly norm in many areas. Conditions for winter grains had been too dry in October, but above-normal precipitation in November improved the situation, and although this week's amounts were more than necessary, they can still be placed in the favorable category. November temperatures dropped several degrees Celsius below normal in south central areas, but remained near normal in the northwest where winter grains put on some late growth. Precipitation in Spain was restricted to the northwest, and a large portion of the country has remained nearly rainless since the middle of November. Soil moisture may be adequate for newly sown winter grains now, but more will be needed soon in order to promote normal plant development.

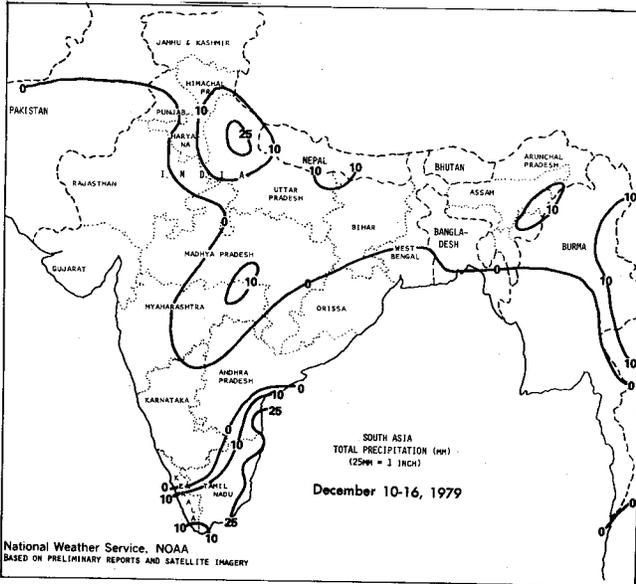


NORTH AFRICA. No rain has fallen in winter grain areas of Morocco and western Algeria for the past four to five weeks. November rainfall in western Algeria dipped somewhat below normal, but in Morocco less than one-third of the norm fell, and crop growth is probably lagging. Conditions were somewhat better to the east. In Tunisia and eastern Algeria, dry weather has persisted only for the past three weeks, and November rains moved above normal in many areas following slightly drier than normal conditions in October.

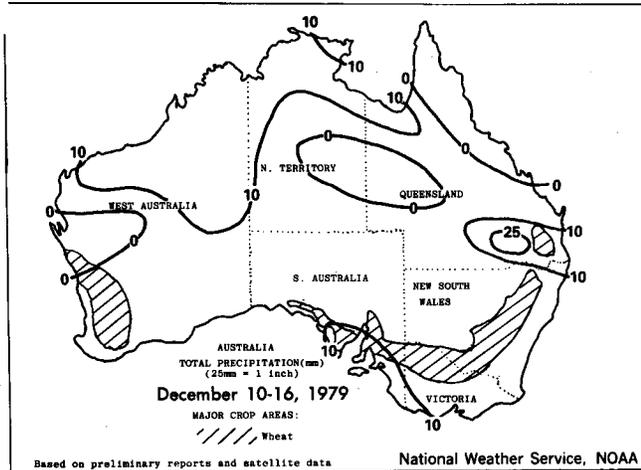
CHINA. Above-normal precipitation fell in the southwestern agricultural areas of Yunnan, Guizhou, and southern Sichuan, while areas to the east and north remained nearly dry. This pattern has persisted since September, and while the dry weather has allowed successful completion of late grain harvest in the south, winter wheat on the North China Plain required substantial irrigation in order to put on sufficient fall growth. Irrigation waters from the Yangtze River should still be quite adequate, for the rainfall in the southwest occurred within that drainage basin. Moisture may be in shortest supply in the northernmost part of the wheat belt near Beijing, but lower temperatures have brought on dormancy there. Rainfall deficits decreased in unirrigated hilly areas to the west in November.



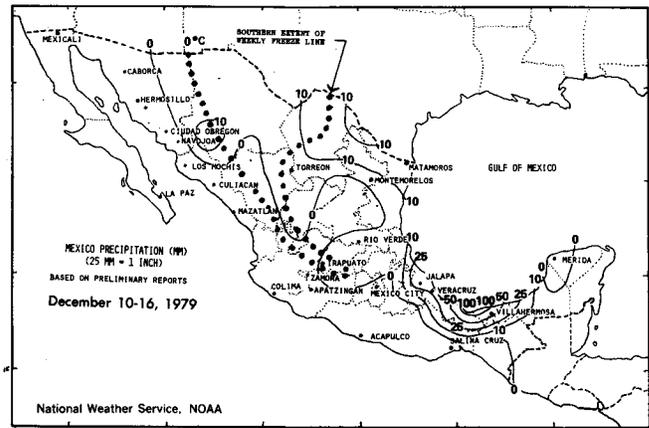
SOUTH AFRICA. Rainfall increased in eastern parts of the Maize Triangle, while southwestern and some central areas remained relatively dry. November's precipitation left some southern parts of the Triangle drier than normal, continuing the pattern of October. Maize there may be suffering from the moisture deficiency, for the area is marginally dry for that crop, but at the same time, it is only a minor production area.



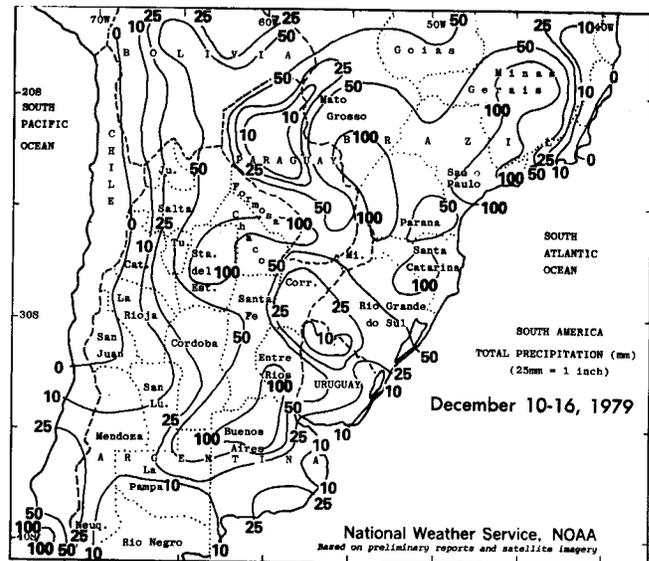
INDIA. Light rainfall in northern Uttar Pradesh, rare at this time of year, boosted wheat germination prospects in an area that had not received moisture in November. These rains were a rare occurrence, and may have been enough to see the crop through until normal, light winter rains arrive, but the important wheat-growing areas in Punjab, Haryana, and northern Uttar Pradesh urgently needs more moisture. High temperatures earlier in November had certainly stressed any wheat that had germinated prior to the abundant rainfall in Madhya Pradesh. Further to the south, rains from that same weather system late in November interfered with cotton harvesting, but conditions have returned to normal during the past two weeks.



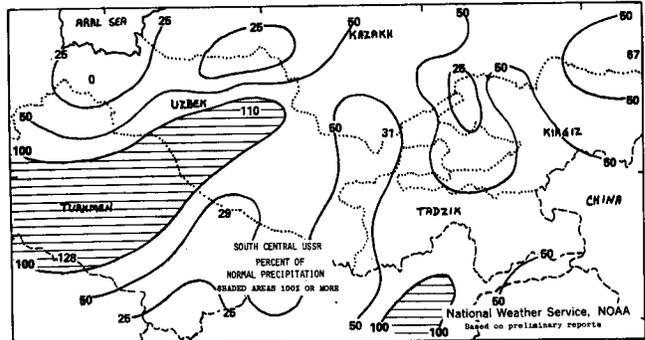
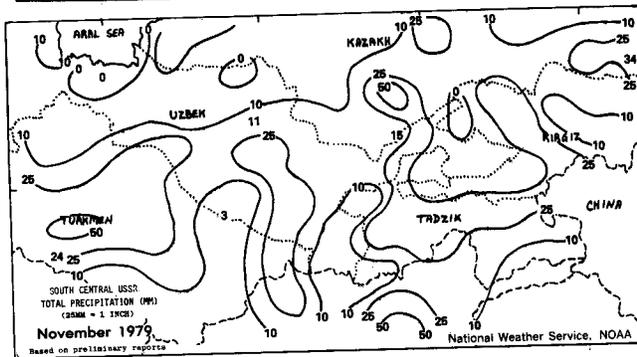
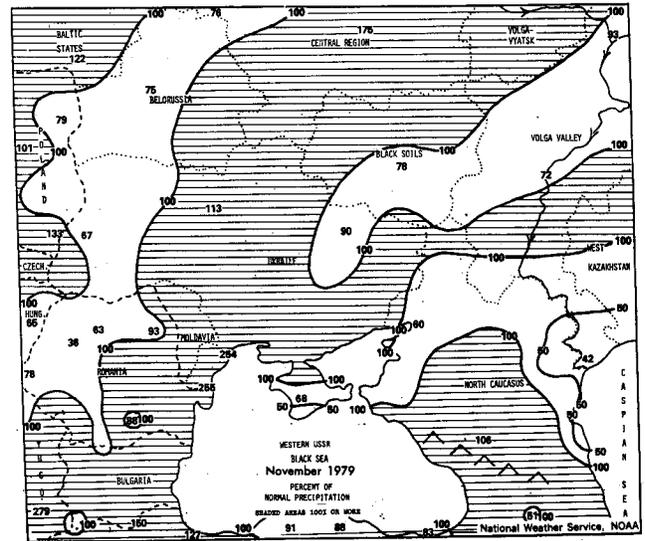
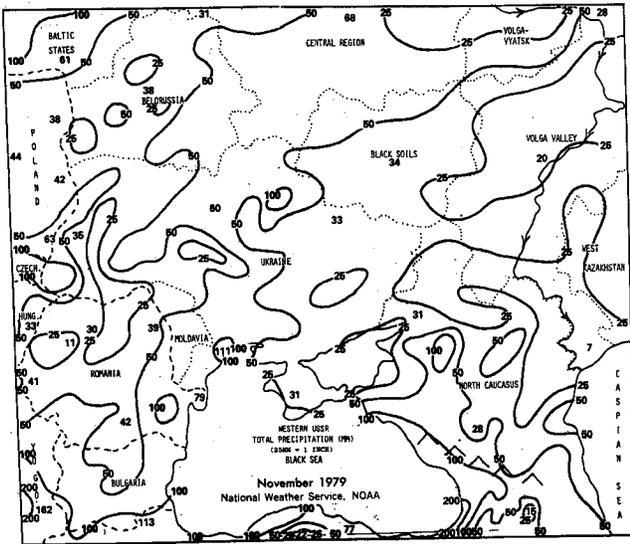
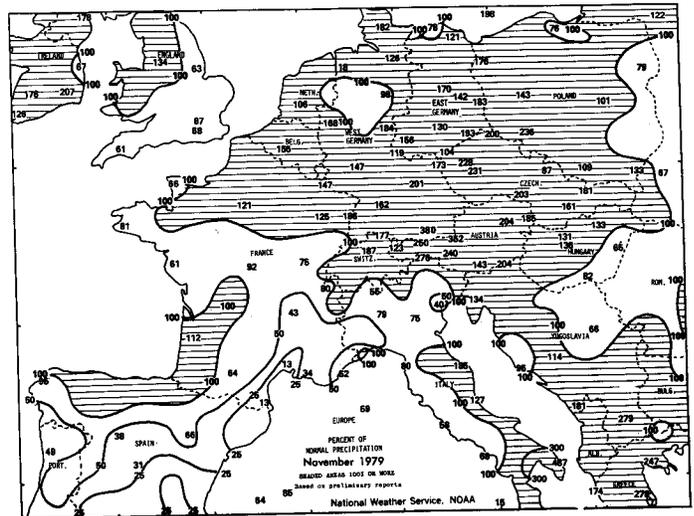
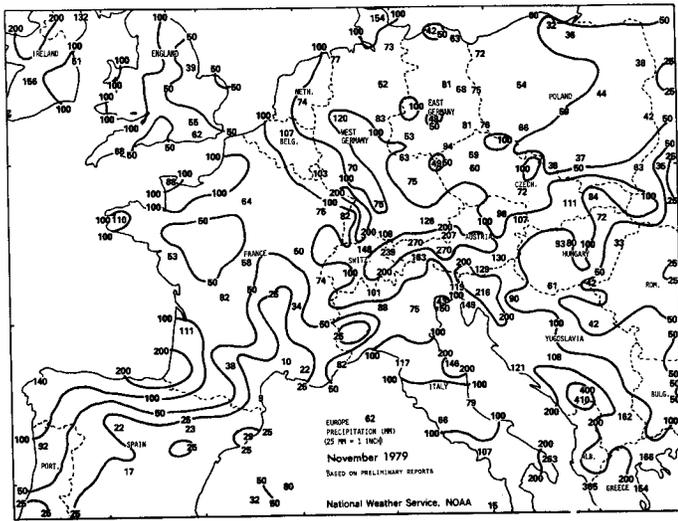
AUSTRALIA. Favorable harvest weather persisted for the third consecutive week, with harvest activity centered in Victoria. Abnormally wet weather earlier probably interfered with the harvest, and though no reduction in yields is expected, grain quality probably suffered. However, temperatures throughout the belt remained above normal in November, indicating that rainwater may have evaporated relatively quickly, thereby lessening any negative impacts. This week saw continued light rainfall in northern parts of the country, resulting from tropical moisture sources, but the onset of earnest summer rains there is overdue.

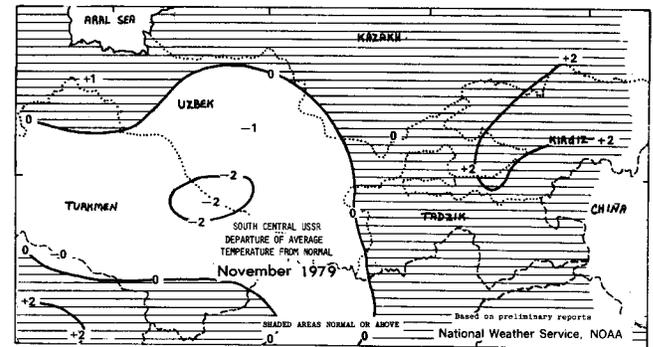
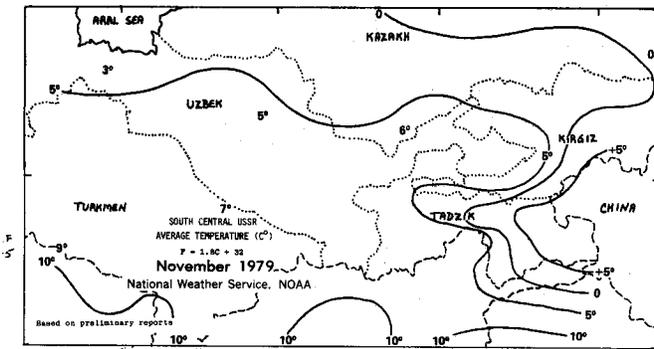
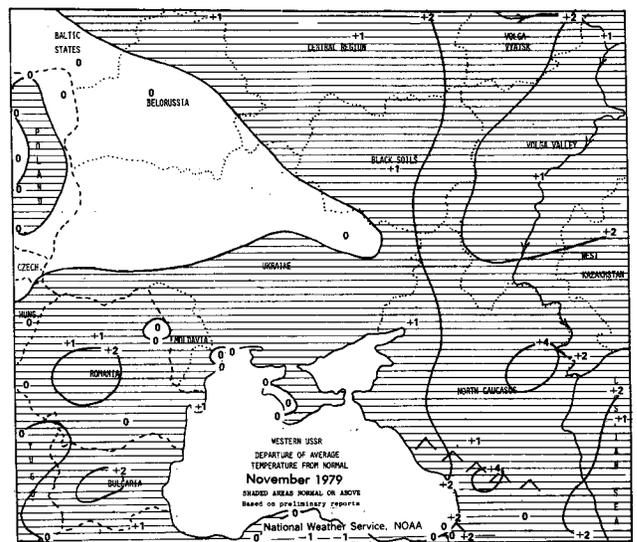
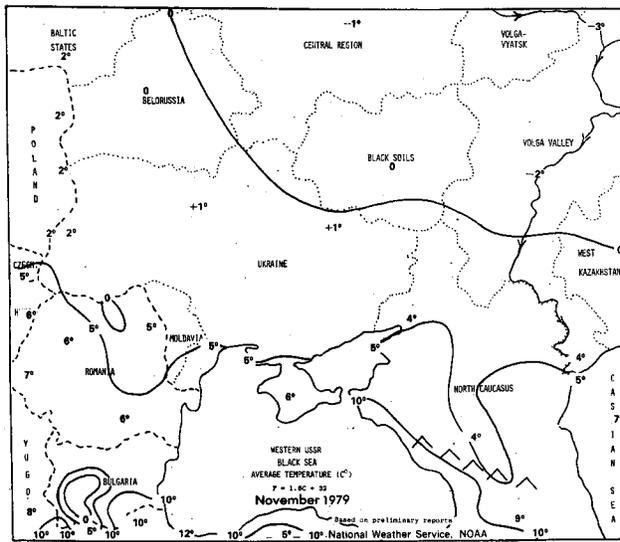
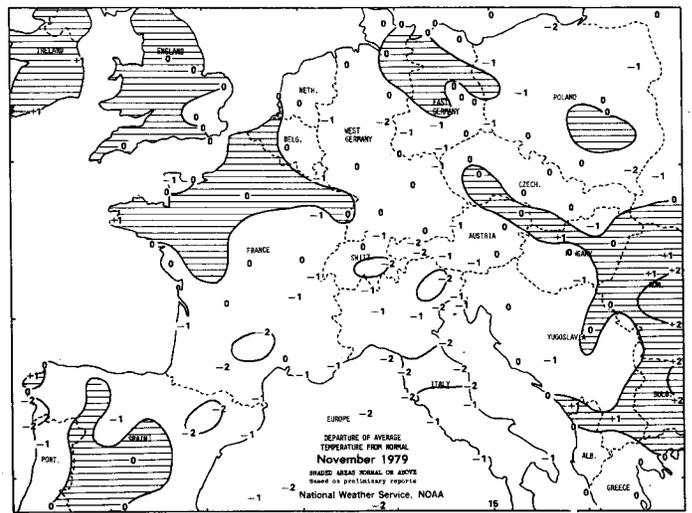
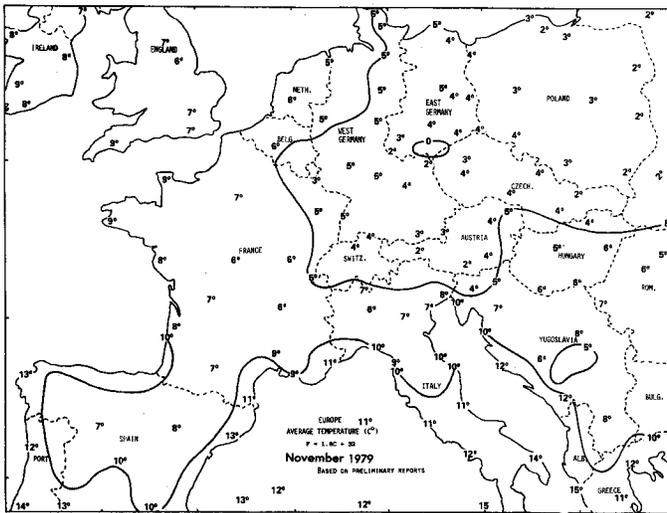


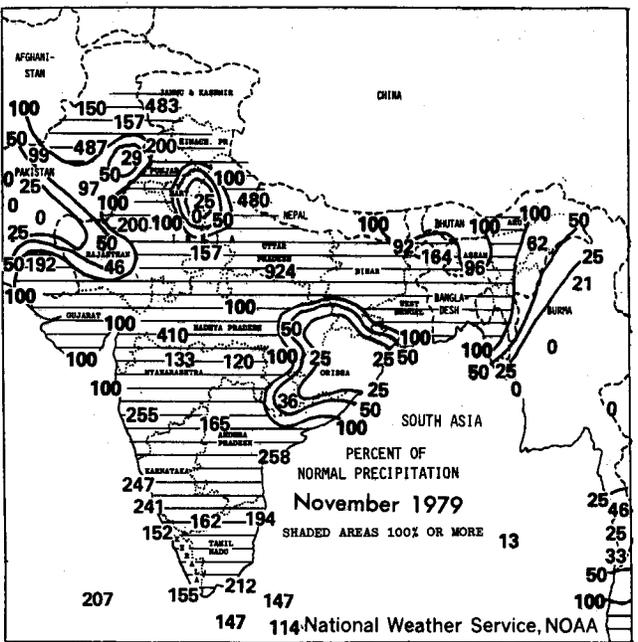
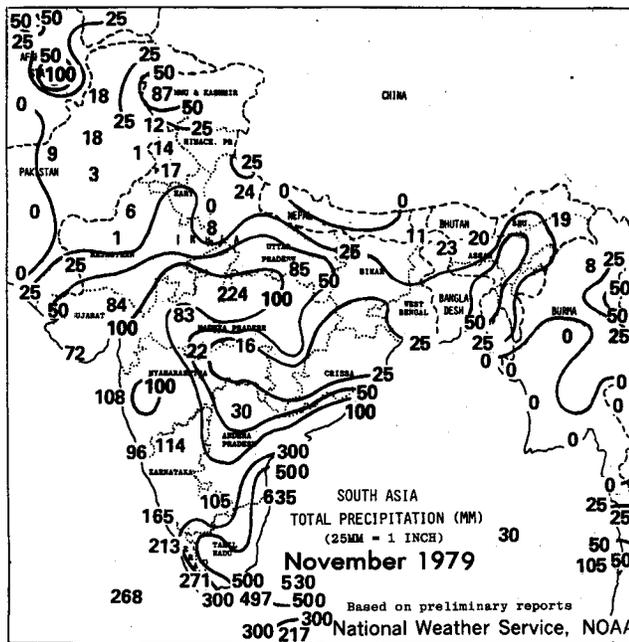
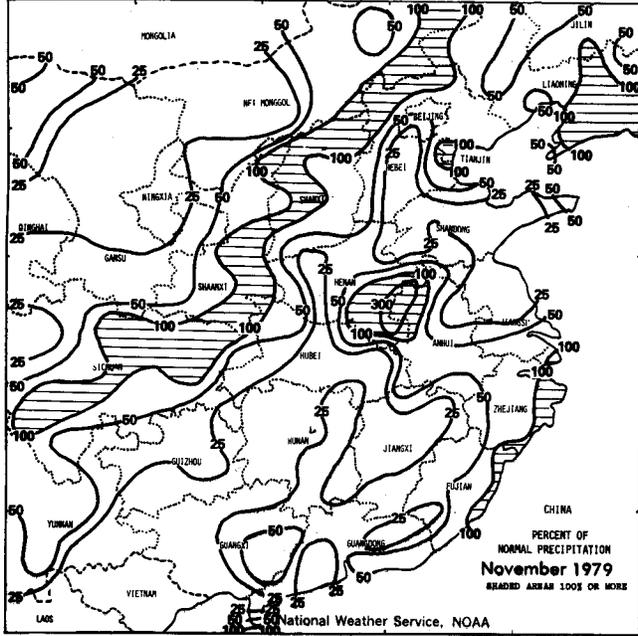
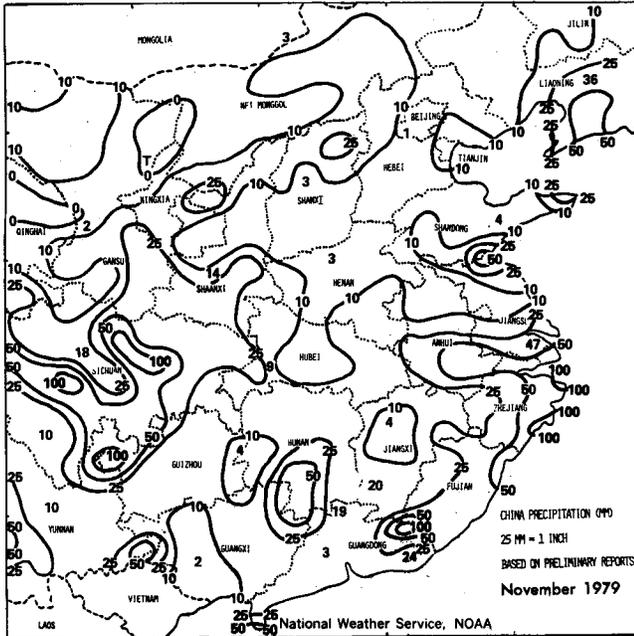
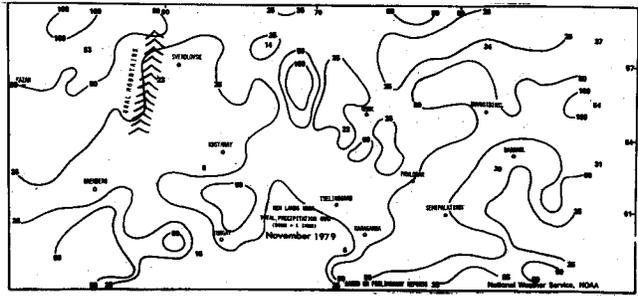
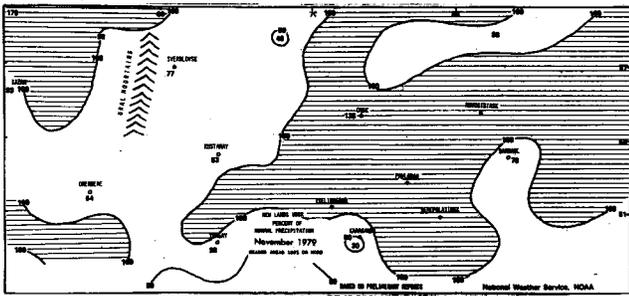
MEXICO. Light rains dotted the eastern citrus belt while dry, sunny weather prevailed over most central and west coast vegetable areas. The freeze line, near its seasonal position, dipped into the central plateau strawberry area. The drought, which began last summer over the north central and northwestern portions, continued through November—a month in which little or no rain fell. Reservoir water levels are quite low in the northern states, and the heavy irrigation period of January-April is near. Culiacan's afternoon maxima averaged 28°C with a relative humidity of 45 percent, while overnight minima averaged 13°C with a 90-percent humidity.

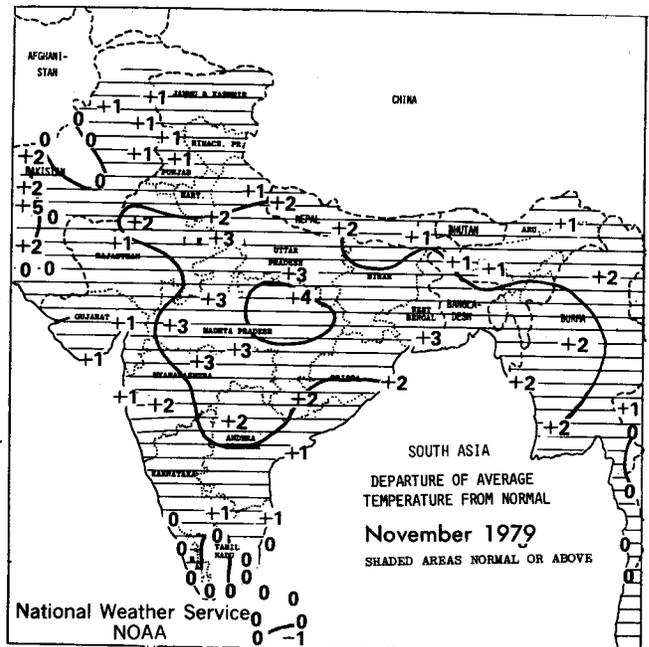
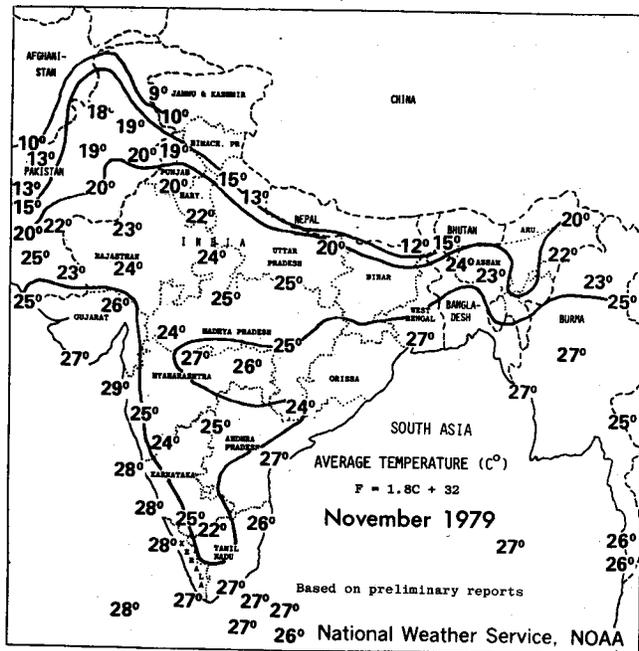
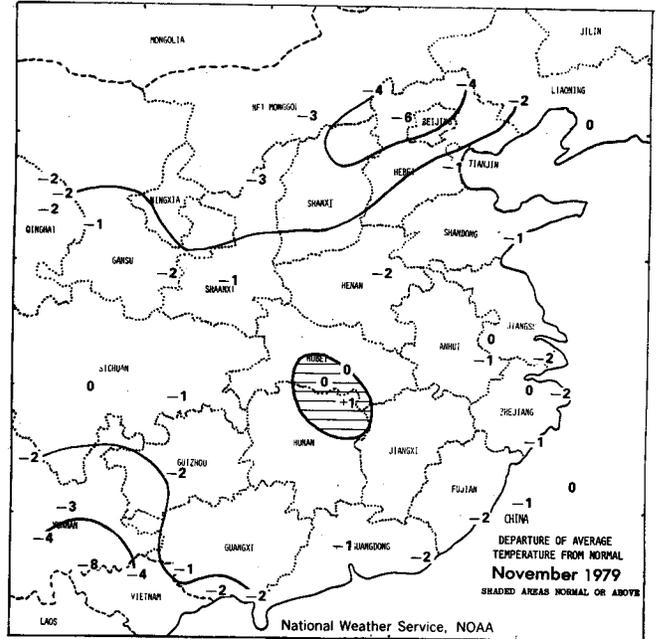
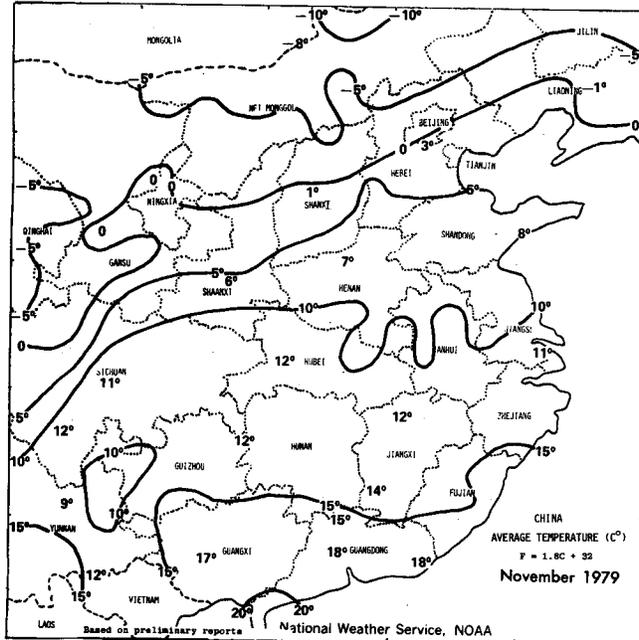
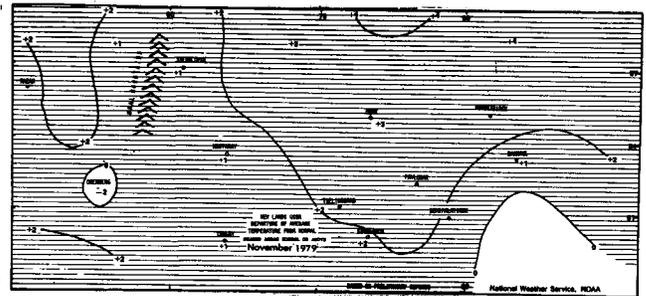
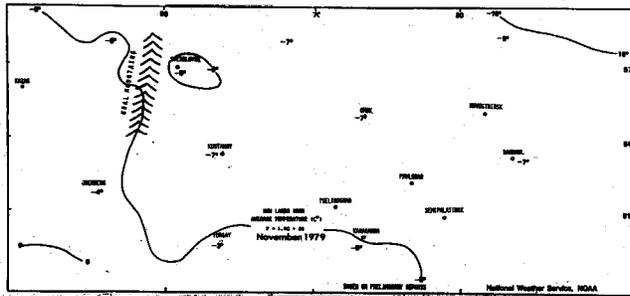


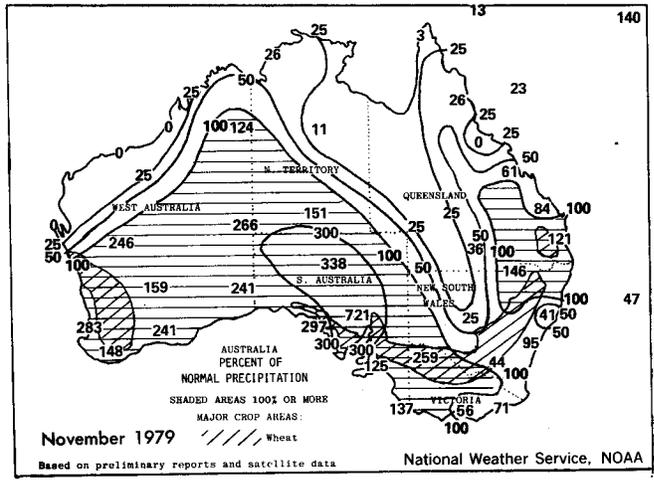
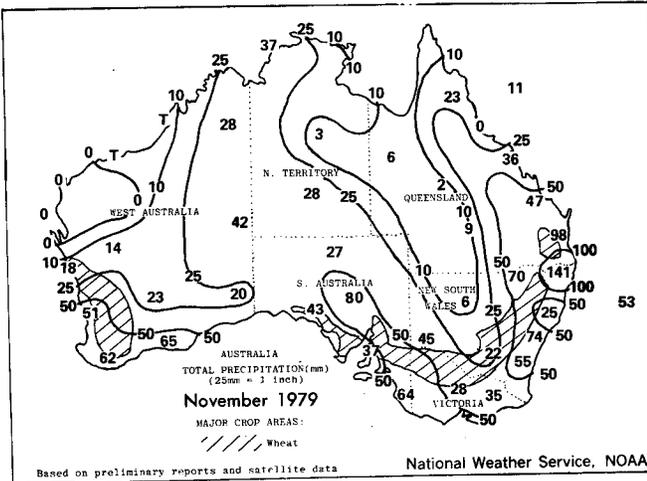
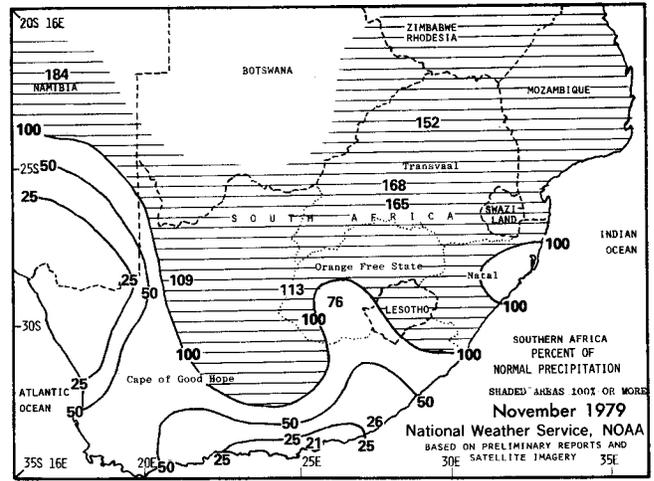
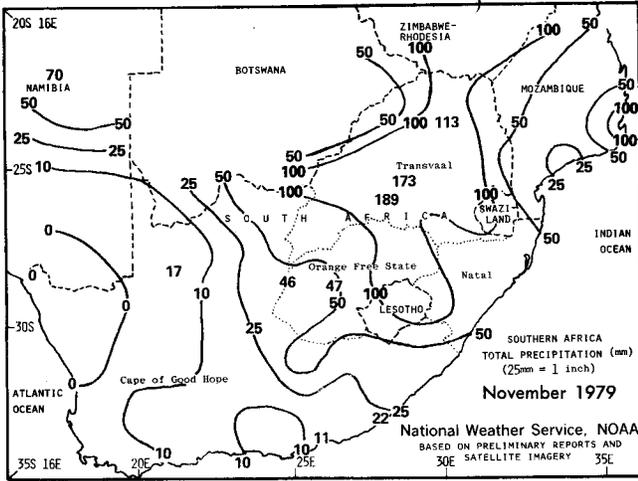
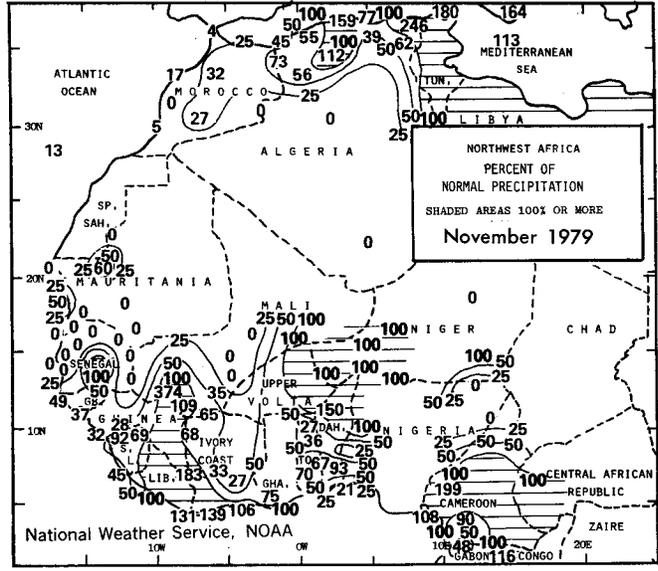
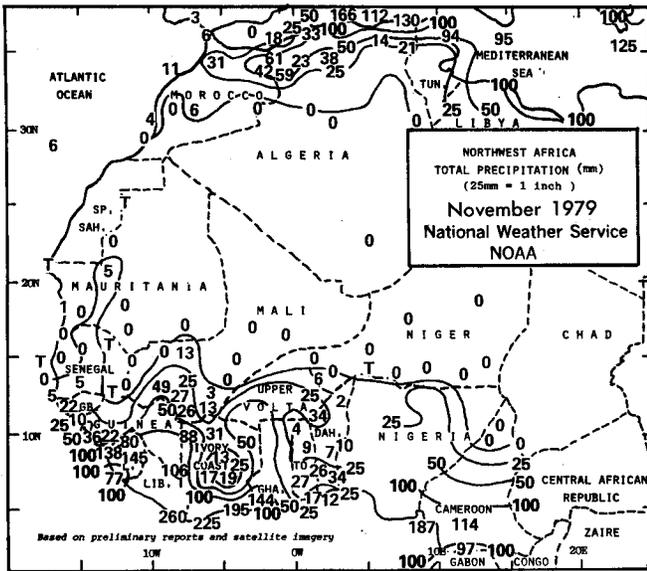
SOUTH AMERICA. Wet weather prevailed in most crop areas of Argentina and Brazil. Heavy thunderstorm activity disrupted wheat harvest in northern Buenos Aires and southern Santa Fe Provinces, with heavy rains and high winds possibly causing lodging of the crop. This represents a worsening of wet conditions that have persisted in that area since early November. Of course, it has provided good conditions for the new maize and soybean crops. In Brazilian soybean areas, a second consecutive week of heavy rainfall probably caused only minor, local problems to recently emerged soybeans. Precipitation over most of the belt has remained above normal since planting in October, and growing conditions are generally regarded as excellent.

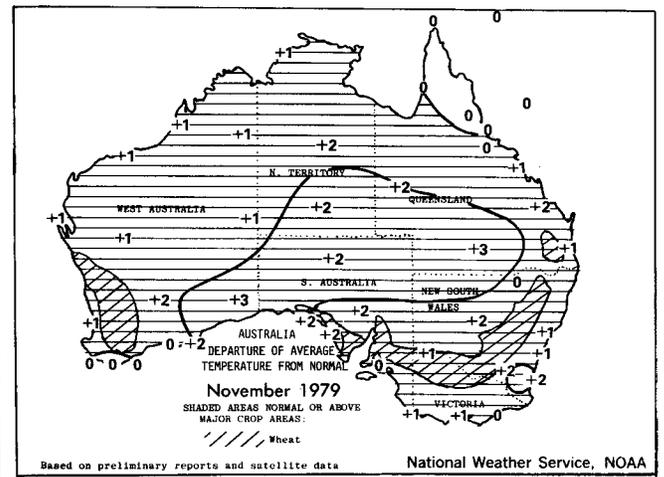
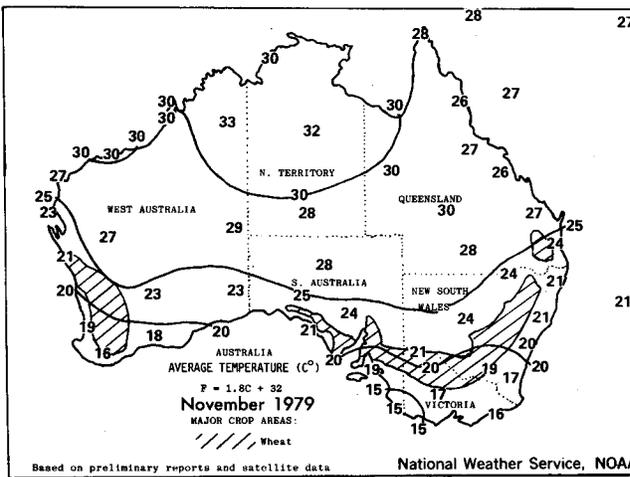
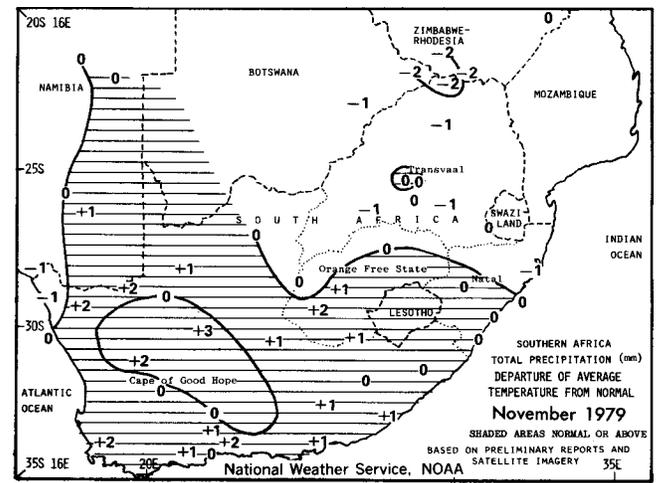
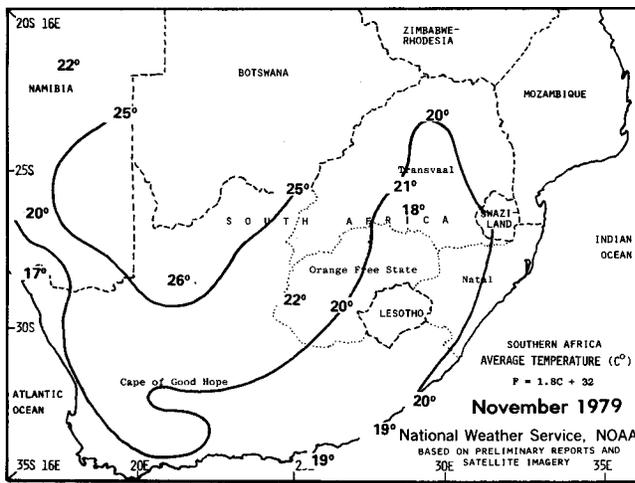
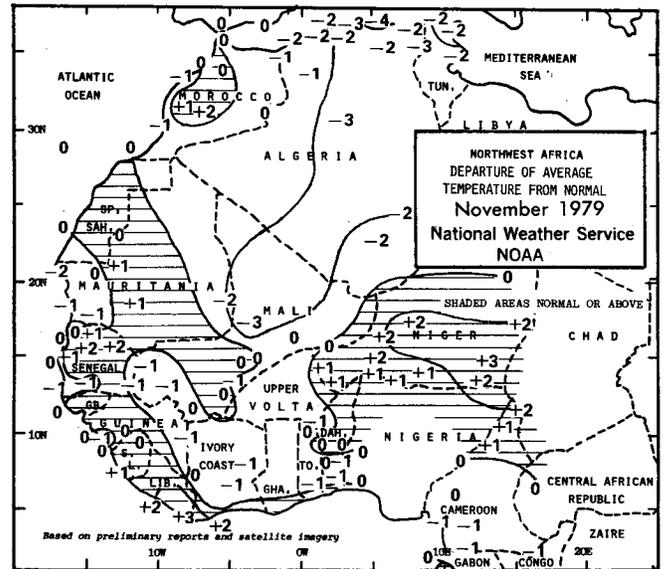
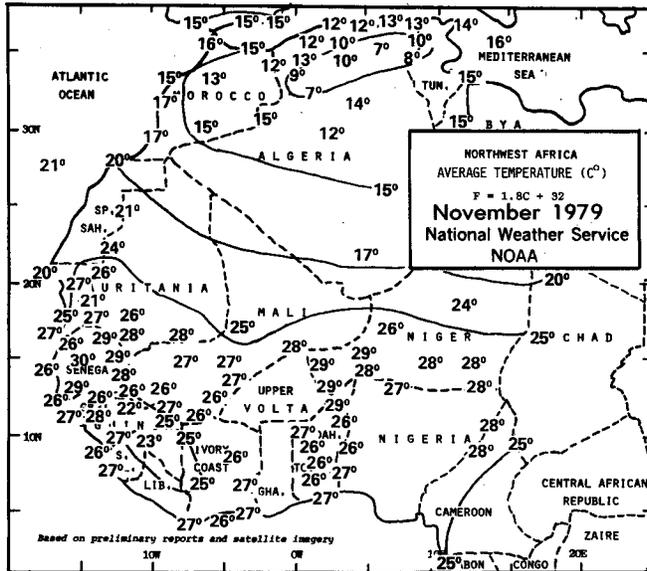


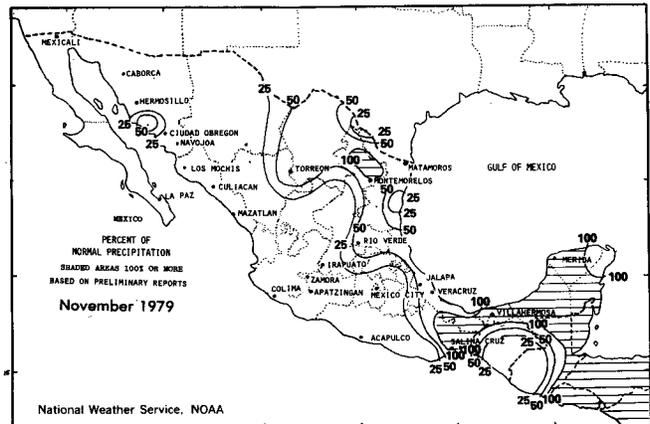
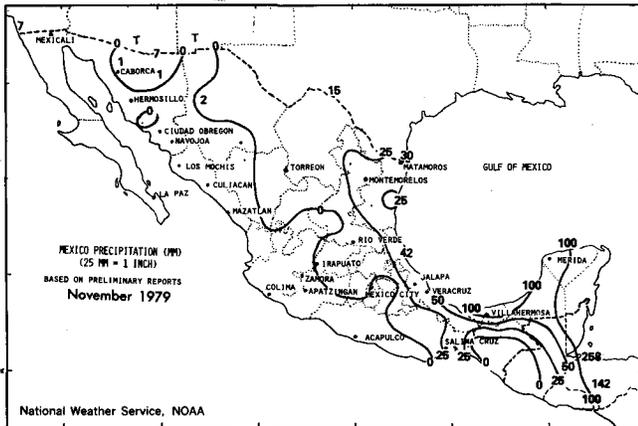
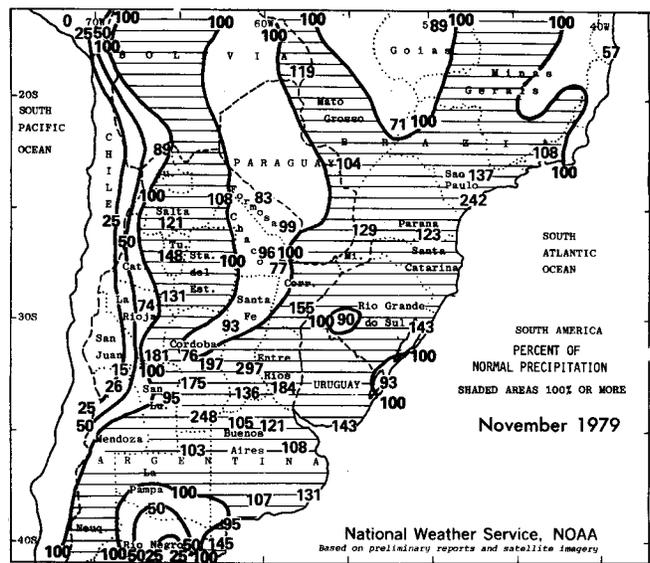
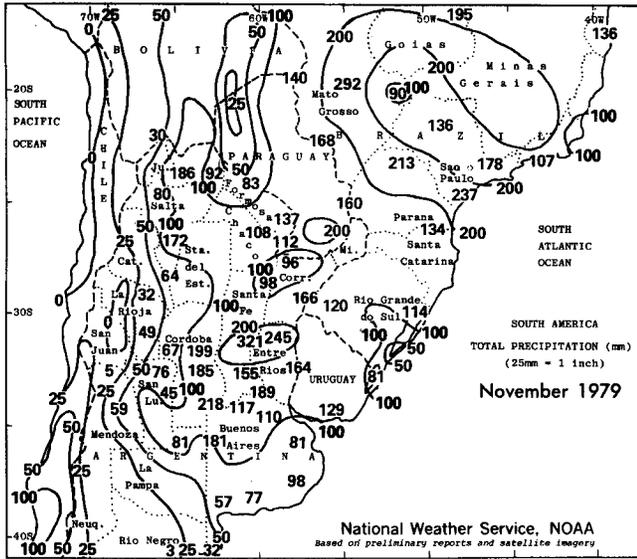


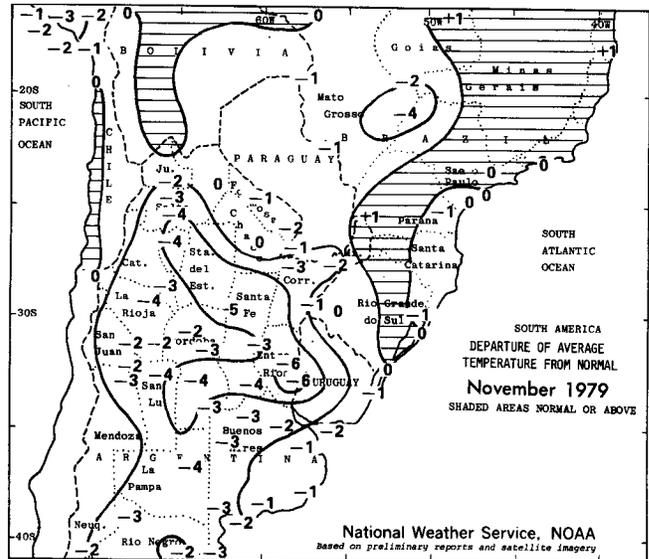
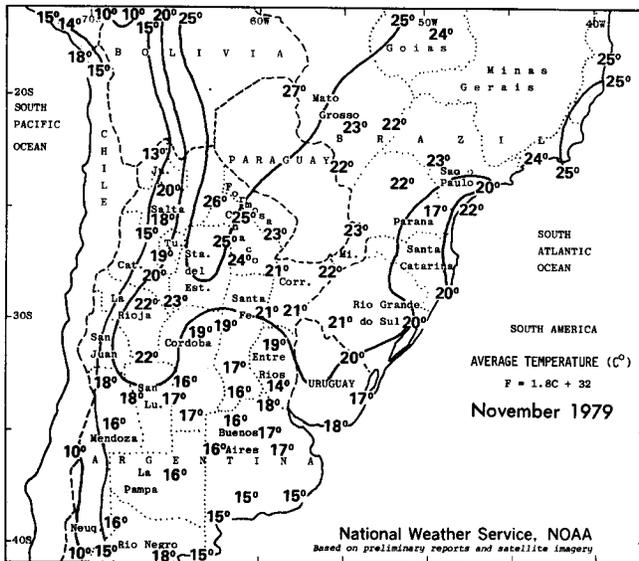
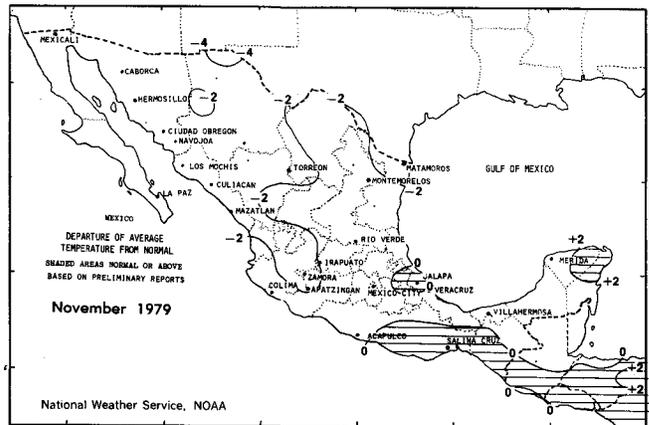
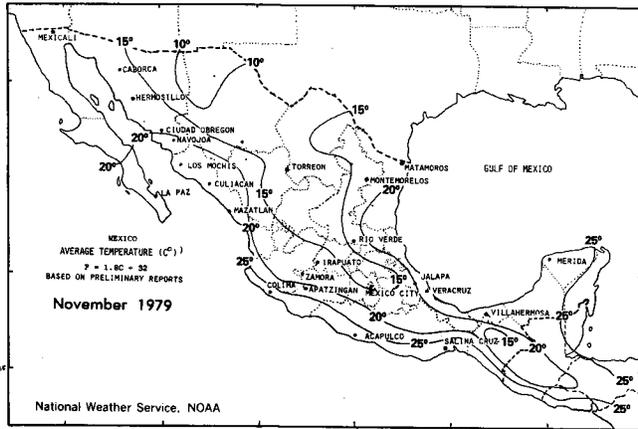












(continued from page 10)

East: Temperatures averaged 4 to 6° above normal. Precipitation 0.50 in. below normal.

Warm weather with nighttime temperatures below freezing. Snow cover melted in most areas. Potatoes continue orderly move into market. Hay supplies short in some areas.

WEST VIRGINIA: Temperatures above normal; high 74°, low 12°. Precipitation above normal, especially southwest.

Farmwork: 3.6 days suitable. Soil moisture adequate to surplus. Feed supplies: Hay adequate, grain adequate, other adequate. Fuels adequate to tight.

WISCONSIN: Temperatures fluctuated considerably. Highs 40's to 50's 10th and early 11th, dropping to teens and 20's 12th. Temperatures warmed to 40's again 14th but sharply colder 16th. Low temperatures below zero morning of 16th north. Precipitation light. Trace snow north 11th, rain 0.05 to 0.25 in. south before changing to snow flurries. Snow up to 1 in. north 13th, and south 16th. Snow depths averaged less than inch as of 14th. Frost depths averaged 4.00 in.

Corn harvest continuing into final stages.

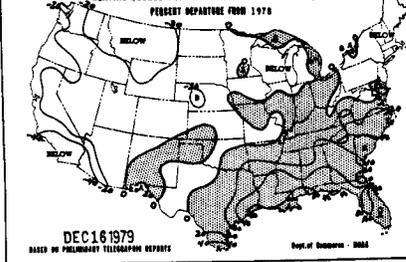
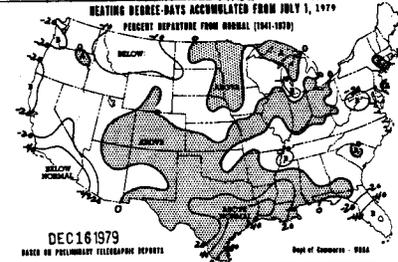
WYOMING: Temperatures averaged 2 to 5° above normal. Highs mostly in 40's and 50's. Lows from -10 to 7°. Rainfall below normal.

Most snow melted reducing need for supplemental feeding. No abnormal losses due to storm. Live-stock good condition. Winter wheat mostly good condition. High winds may have caused some drying damage. Some corn for grain still being harvested.

HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING DEC. 16, 1979.

BASED ON 1941-70 NORMALS. + ACCUMULATION FROM JULY 1, 1979.

Table with columns for STATES AND STATIONS, WEEKLY ACCUMULATION, and SEASONAL ACCUMULATION. It lists data for various states including ALA., ARIZ., ARK., CALIF., COLO., CONN., DEL., D.C., FLA., GA., IDAHO, ILL., IND., IOWA, KANS., KY., LA., MAINE, MD., MASS., MICH., MINN., MISS., MO., MONT., NEBR., NEV., N.H., N.J., N.MEX., N.Y., N.C., N.DAK., OHIO, OKLA., OREG., PA., R.I., S.C., S.DAK., TENN., TEXAS., UTAH, VT., VA., WASH., W.VA., WIS., and WYO. Each entry includes weekly and seasonal totals and departures.



CROP PRODUCTION HIGHLIGHTS

ALL COTTON production is forecast at 14.5 million bales, down slightly from the November 1 forecast but 34 percent above the 1978 production. The 90-percent confidence interval for this production forecast is 14.1 to 14.9 million bales.

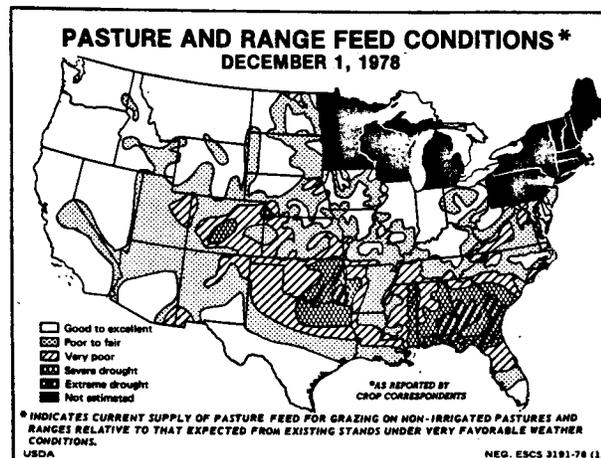
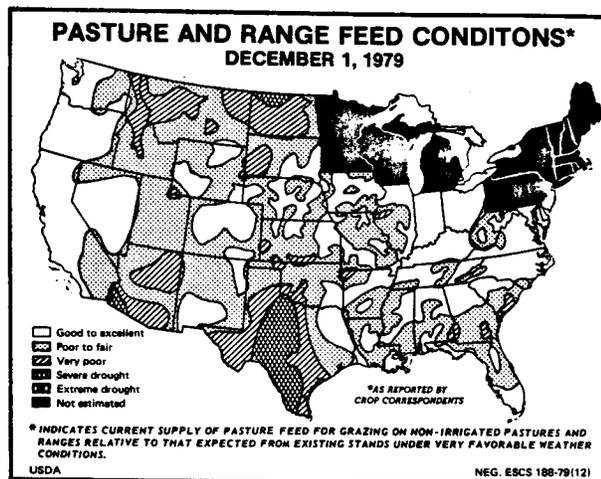
BURLEY TOBACCO production is forecast at 479 million pounds, down 23 percent from the 1978 crop.

CITRUS production is forecast at 15.5 million tons, 17 percent above last season.

ORANGE production is expected to total 259 million boxes, 23 percent more than last season.

GRAPEFRUIT production is forecast at 67.4 million boxes, 1 percent above the 1978-79 crop.

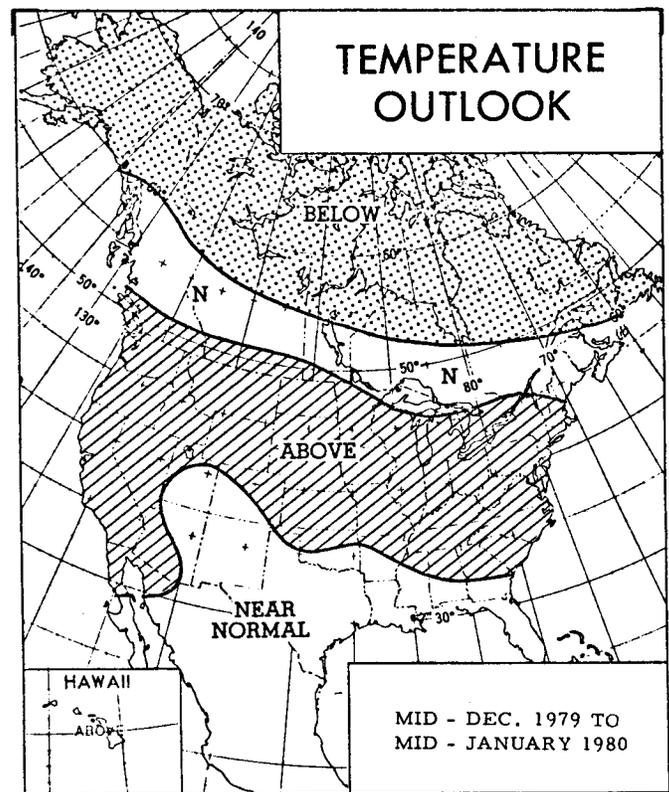
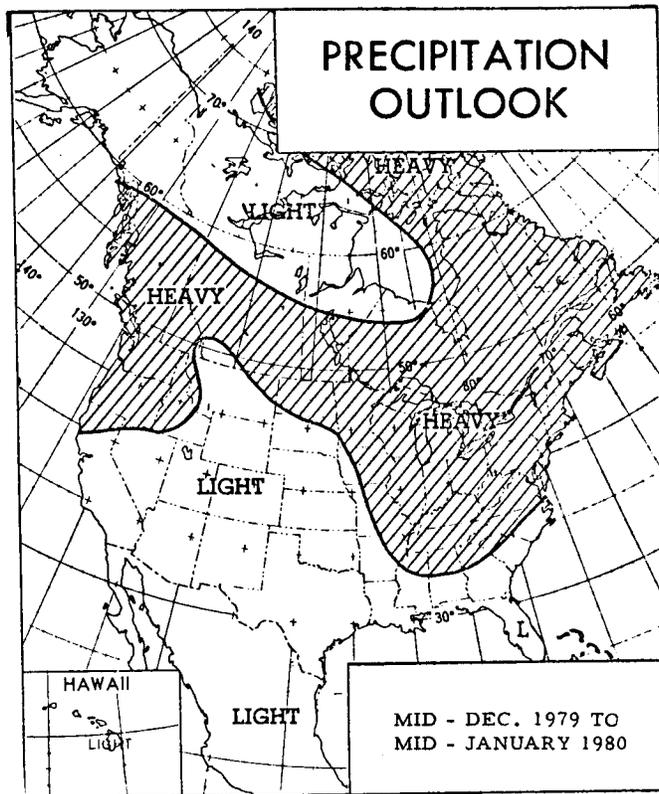
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Average Monthly Weather Outlook



Publication of the Weekly Weather and Crop Bulletin began in 1872 as the Weekly Weather Chronicle. It is issued under general authority of the Act of January 12, 1895 (44 USC 213), 53d Congress, 3d Session. Contents of the Bulletin may be reprinted freely, with proper credit.

Standard copy for the Bulletin is prepared by Donald J. Haddock, Lyle Denny, and O. W. Byrd, Climate Analysis Center, National Weather Service,

National Oceanic and Atmospheric Administration; Harry DeLong and Jim Carlin, Economics, Statistics, and Cooperatives Service, U.S. Department of Agriculture.

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