

WEEKLY WEATHER AND CROP BULLETIN

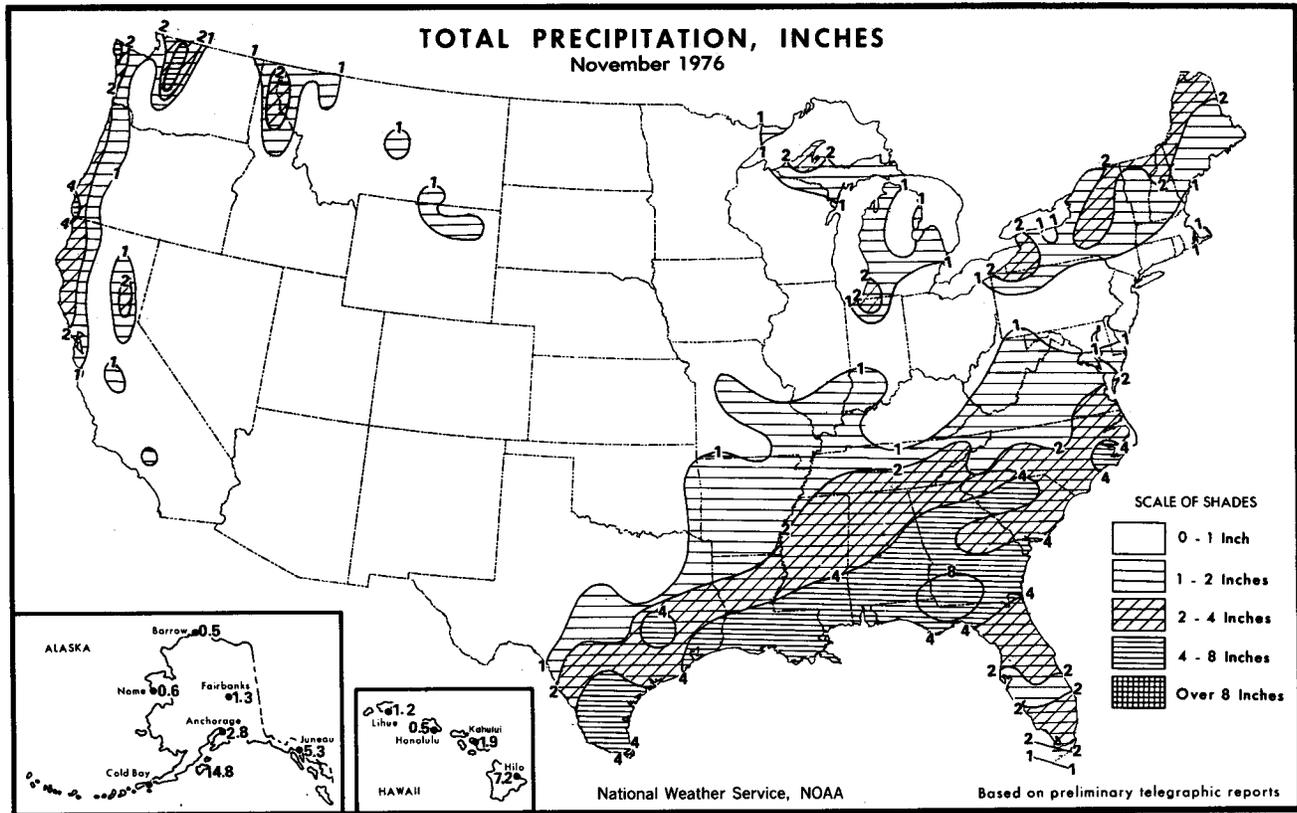
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National Weather Summary

For the week of November 29-December 5

HIGHLIGHTS: With unseasonably cold conditions implanted across most of the United States, weekly temperatures plunged as much as 20° below normal in the Nation's northeastern quarter. Countless record low readings resulted when a frigid Canadian air mass thrust southward, then eastward. As the mercury skidded, the snow fell. Weekly precipitation dumped its heaviest load on the upper Ohio Valley and lower Great Lakes region; as much as 2 1/2 feet of snow paralyzed parts of Buffalo, N.Y. and neighboring areas.

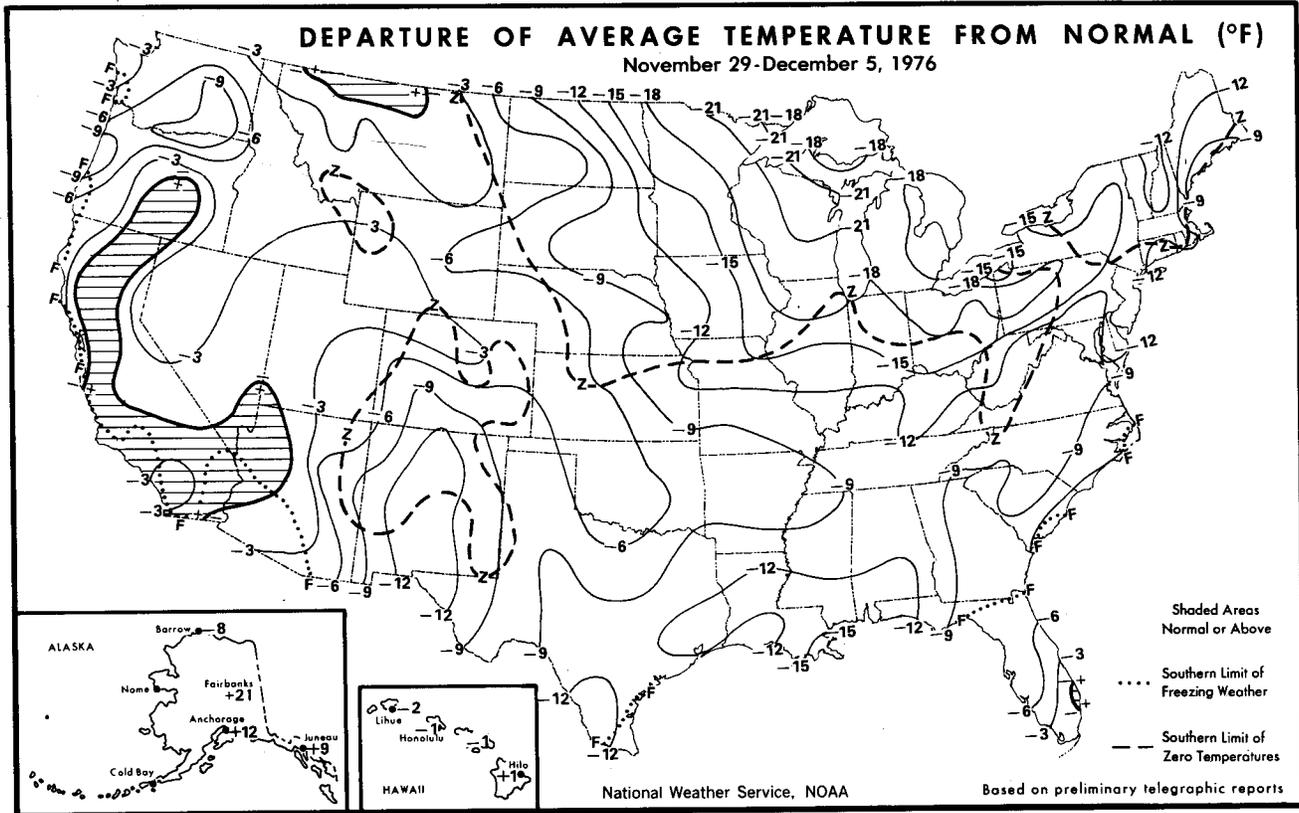
Throughout eastern U.S. on Monday, widespread rain, freezing rain, and snow were the telltale signs of the eastward thrust of a vigorous cold front. Aided by plunging temperatures, the freezing rain created heavily iced roadways in portions of Mississippi, Alabama, and Louisiana. Motorists skirted as much as 1 inch of ice on certain bridges and overpasses.

North of the storm center, forecasters reported snowfall across much of the upper Ohio Valley and lower Great Lakes region. At the end of a 6-hour period, another 3 inches of snow had piled up in Buffalo and Syracuse, N.Y., while snow depths in Cleveland, Ohio and Charleston, W.Va. rose 2 inches.

Behind the storm system, the mercury skidded sharply. As frost crept into central Gulf coastal areas, New Orleans, La. chalked up a new record low of 32°.

As the unseasonably cold trend continued on Tuesday, a.m. temperatures sank well below normal across most sections of the Nation, especially northern Minnesota, where Hibings logged a shivering -23°.

As for monthly record lows, Boston, Mass. and Binghamton, N.Y. claimed 3°, while Lake Charles, La. shared in the honors with 23°. Countless new record lows in eastern and southeastern areas of



the country made scorekeeping difficult: San Antonio, Tex. 22°, Jackson, Miss. 17°, and Atlantic City, N.J. 13°.

Meantime as heavy snowfall immobilized Buffalo, N.Y., neighboring areas picked up an extra foot of snow in just 2 hours.

While unseasonably cold conditions struck the eastern three-fourths of the Nation, seasonable weather reigned across the Pacific Coast States, the Intermountain region, and the northern Rockies. Evening readings hovered near zero from northeastern North Dakota into northern Wisconsin, warming into the 30's and 40's along most of the Gulf Coast, except southern Florida, where the mercury pushed into the 50's and 60's. Thermometers in the Pacific Northwest measured in the 30's and in southern California, in the 60's.

Stretching across central U.S. the frontal system produced scattered snow showers across the central Plains, and Rockies, and in Iowa and northern Illinois. By the end of the day, Buffalo, N.Y. had collected a full 19 inches of snow--a record amount for a 24-hour period.

At midweek winter continued its ruthless attack. Wednesday morning snow squalls impeded travelers across the lower Great Lakes region. Though minimum temperatures warmed by 10 to 20° in a 24-hour period, the icy chill across most of the eastern two-thirds of the Nation produced more record lows in Roanoke, Va. and Hartford, Conn. 9° and New Orleans, La. 25°. Arctic air sliding southward through the Dakotas, Minnesota, Wisconsin, and Michigan reinforced the already cold weather pattern over central and eastern U.S.

Associated with this latest cold outbreak, a band of snow extended from the Dakotas into the Great Lakes region, adding 4 inches to Pellston, Mich. Pushing southward across Lakes Ontario and Erie, another surge of frigid Canadian air produced

heavy snow squalls that paralyzed parts of western New York. A record 2 1/2 feet of snow on the ground called for a state of emergency in Buffalo, N.Y.

Arctic air swept southeastward throughout the day, and by early evening encompassed the entire northeastern quarter of the Nation, except for a few areas near the Atlantic Coast.

Friday turned up as another record day as unseasonably cold conditions toppled many record low readings in northeastern U.S. By sunrise the frigid air blast swept into New York, where the mercury dipped as low as -20° in northwestern areas of the State. Record lows in neighboring areas included Toledo, Ohio -11° and Providence, R.I. 0°.

At midday generally light snow ranged from the upper Mississippi Valley into the Great Lakes region. Away from the snow area widespread warming took place from the southern Great Plains into central North Dakota and over the Gulf Coast States.

Snowfall tapered off in the Northeast on Saturday but flurries still whirled across the Great Lakes region from Michigan through Lake Ontario and over western sections of New York and Pennsylvania.

While the frontal system triggered snow or flurries from the middle Appalachians to the northern Plains, another surge of colder air stood poised to rush down over the upper Midwest and northern and central Rockies.

At the end of the week winter progressed eastward. Beset by snow, blowing snow, and cold, the Midwest claimed still another record low: Columbus, Ohio 8°. Snow streamed into most of the northern Plains and upper Mississippi Valley as a new surge of cold Canadian air cut a path southward into northern sections of the Rockies and Plains.

National Agricultural Summary

For the Week of November 29-December 5

HIGHLIGHTS: Soil moisture remained short throughout most of the Great Plains but was adequate across the South and along the Atlantic Coast. Only Georgia and Florida reported surplus soil moisture supplies. Dry, but in some areas bitter cold weather allowed farmers to harvest most of the major row crops except cotton. Very little corn, sorghum, or soybeans remains to be harvested nationwide and cotton picking inched forward to 78% complete. The winter wheat crop needs moisture. Abnormally cold temperatures and dry soils prevented good top growth and root development. In some areas the ground cover is very light. Cold weather also slowed southern grasslands.

SMALL GRAINS: Nationwide the winter wheat crop was in fair condition. Temperatures plunged far below normal again, extending the subnormal readings into the eleventh week in some States. These low temperatures coupled with low topsoil moisture and depleted subsoil moisture reserves put the winter wheat crop into a precarious position as winter descends on the Great Plains. Few major winter wheat production areas have protective snow cover. Farmers nearly finished seeding the 1977 crop with only some Louisiana, Texas, and southern Atlantic Coast acreage unplanted at this time.

In Nebraska the moisture-short winter wheat crop rated only fair condition. In Kansas the wheat crop needs warm weather and moisture to improve top growth and root development. The crop provided very little grazing. The Oklahoma winter wheat crop was in fair to good condition but made no growth. Sparse top growth provided only light ground cover. Arkansas farmers finished seeding but the crop grew slowly. In Texas growers seeded 96% of the crop but at this time in previous years seeding was complete. Frosty temperatures slowed growth providing only limited grazing from winter wheat. Dryland fields on the northern High Plains need moisture. The Montana winter wheat crop was in poor to fair condition with only light snow cover. New Mexico dryland winter wheat rated fair but irrigated stands looked good. Colorado wheat was in good condition. Small grains need moisture in the Pacific Coast States. In Oregon the late sown wheat looks better than earlier sown stands. Some early fields may need to be reseeded. In eastern Washington wheat fields showed varying degrees of stress with some fields germinating unevenly. The greenbug infestations subsided.

CORN: The United States corn crop was almost harvested with the only significant acreage remaining located in the States along the Gulf Coast and the southern Atlantic Coast. In these States harvest also reached over 95% complete. Cattle continued to graze corn stubble in some areas of the North Central States. Harvest advanced to 94% complete in Georgia, 95% in Alabama, 96% in North Carolina and 98% in Mississippi.

COTTON: Cotton picking in the 11 major southern States advanced to 78% complete, only a slight gain over the previous week. A year ago harvest stood at 71% complete and on the average only 61% was harvested. In Georgia wet fields slowed picking. In Oklahoma cold weather hampered harvest but farmers made good progress stripping the cotton crop. In Texas cotton harvest advanced to 60% complete, short of the 66% reached last year but ahead of the 49% average. Many gins

on the northern High Plains fell behind the pace set by the pickers. In California dry weather produced good harvest conditions. In Nevada harvest continued.

SOYBEANS: Harvest of the Nation's soybean crop was virtually complete leaving harvest activity centered mainly in the southern States. In North Carolina farmers combined 82% of the crop compared with 76% last year and average. South Carolina growers reached 73% complete and Georgia growers 80%. Alabama growers reached 92% complete and in Mississippi 96%. Oklahoma growers surpassed the 90% mark.

OTHER CROPS: In Texas sorghum harvest was virtually complete, a week ahead of average. Only a few scattered fields on the plains remain to be harvested. Oklahoma growers finished combining sorghum.

Florida sugarcane growers were harvesting a good crop. In Louisiana growers harvested 66% of their crop lagging last year's 75% and the 71% average. Freeze damaged some Louisiana sugarcane but the extent is unknown.

Virginia growers marketed burley and fire-cured tobacco. Adverse weather hindered stripping Kentucky's tobacco crop but the quality was good. In Tennessee stripping conditions improved and the crop rapidly moved to auctions. Tobacco growers in South Carolina and Florida prepared seedbeds for the 1977 crop.

FRUITS AND NUTS: In Florida three days of rain benefited citrus trees and growers stopped irrigating. Rains slowed picking. Valencias started color break. In Texas cold weather delayed citrus harvest although some picking was possible in selected groves. In California early Navels had good quality. Later orange varieties sized and broke color. Growers picked tangerines, grapefruit and limes. California growers pruned and sprayed dormant deciduous trees.

VEGETABLES: Florida vegetable crop conditions declined due to cool, wet and windy weather. Wet conditions delayed both harvesting and planting of several crops. Outshipments increased 14% overall led by sharp increases in cabbage, celery, sweet corn, escarole and green peppers. Carrots, eggplant and chinese cabbage shipments increased slightly. Steady supplies of snap beans, lettuce and tomatoes were available. Cucumber and radish volume declined. In Texas freezing temperatures extensively damaged vegetable crops in some areas. California vegetable growers harvested broccoli, brussels sprouts, cabbage and lettuce. The bell pepper harvest was almost finished. Lettuce harvest activity moved to the Imperial Valley. Growers prepared soil for spring crops. In Arizona growers harvested lettuce.

PASTURE AND LIVESTOCK: Grassland conditions rated from fair to poor in most of the United States. Some pastures in the southeast were good. The extended periods of subnormal temperatures along with dry soils limited grass growth. In some of the North Central States cattlemen fed herds crop residues like corn and sorghum stalks. Small grain pastures provided very little grazing because weather conditions also limited their growth. In some areas cattle producers sold more animals to conserve limited feed supplies. Generally cattle were in fair to good condition.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., December 5, 1976

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	36	-11	T	-1.1	La. Baton Rouge . . .	43	-12	0	-1.1	Youngstown . . .	15	-18	.2	-.4
Mobile . . .	42	-13	.1	-1.1	Lake Charles . . .	45	-11	.1	-1.2	OKLA. Okla. City . . .	38	-5	.1	-.2
Montgomery . . .	39	-12	T	-1.1	New Orleans . . .	42	-15	T	-1.1	Tulsa . . .	36	-7	.6	+.2
ALASKA. Anchorage . . .	28	+12	.4	+.1	Shreveport . . .	41	-11	.1	-.8	OREG. Astoria . . .	39	-5	T	-2.5
Barrow . . .	-17	-8	T	-.1	MAINE. Caribou . . .	11	-11	.8	+.1	Burns . . .	33	+2	T	-.4
Fairbanks . . .	15	+21	.1	-.1	Portland . . .	22	-9	.5	-.6	Medford . . .	36	-4	0	-.8
Juneau . . .	38	+9	1.2	+.1	MD. Baltimore . . .	28	-11	.3	-.5	Pendleton . . .	28	-10	T	-.4
Kodiak . . .	11	---	---	---	MASS. Boston . . .	27	-11	.4	-.7	Portland . . .	36	-7	T	-1.4
Nome . . .	11	---	---	---	Chatham . . .	29	---	.5	---	Salem . . .	34	-9	0	-1.5
ARIZ. Flagstaff . . .	32	0	0	-.4	MICH. Alpena . . .	11	-17	T	-.5	PA. Allentown . . .	23	-12	.5	-.4
Phoenix . . .	54	-1	0	-.1	Detroit . . .	16	-17	.2	-.3	Erie . . .	19	-14	.7	-.1
Tucson . . .	51	-3	0	-.2	Flint . . .	14	-17	.2	-.3	Harrisburg . . .	25	-12	.5	-.3
Winslow . . .	29	-8	0	-.1	Grand Rapids . . .	13	-19	.4	-.2	Philadelphia . . .	26	-13	.3	-.5
Yuma . . .	57	-2	0	-.1	Houghton Lake . . .	8	-19	.1	-.4	Pittsburgh . . .	16	-18	.3	-.3
ARK. Fort Smith . . .	37	-8	.3	-.4	Lansing . . .	13	-18	.3	-.2	Scranton . . .	18	-15	.4	-.3
Little Rock . . .	39	-6	T	-1.0	Marquette . . .	10	-17	.2	-.4	R.I. Providence . . .	22	-14	.5	-.6
CALIF. Bakersfield . . .	52	+1	0	-.2	Muskegon . . .	14	-19	.6	0	S.C. Charleston . . .	48	-4	.1	-.5
Eureka . . .	46	-4	T	-1.5	S. St. Marie . . .	6	-19	.4	-.3	Columbia . . .	39	-10	.2	-.5
Fresno . . .	46	-2	0	-.4	MINN. Duluth . . .	0	-20	.1	-.3	Greenville . . .	37	-8	0	-.9
Los Angeles . . .	62	+2	0	-.5	Internatl Falls . . .	-6	-21	.1	-.2	S.D. Aberdeen . . .	13	-9	.1	0
Red Bluff . . .	52	+3	0	-.8	Minneapolis . . .	9	-15	.3	+.1	Huron . . .	14	-10	.2	+.1
San Diego . . .	61	+3	0	-.4	Rochester . . .	6	-18	.2	0	Rapid City . . .	22	-8	.2	+.1
San Francisco . . .	50	-2	0	-.8	St. Cloud . . .	6	-15	.2	0	Sioux Falls . . .	15	-10	.3	+.1
Stockton . . .	48	0	0	-.5	MISS. Jackson . . .	39	-12	0	-1.1	TENN. Chattanooga . . .	34	-10	.1	-1.0
COLO. Denver . . .	33	-2	T	-.1	Meridian . . .	39	-11	0	-1.2	Knoxville . . .	35	-9	.1	-.9
Grand Junction . . .	27	-6	T	-.1	MO. Columbia . . .	25	-12	T	-.4	Memphis . . .	39	-7	0	-1.1
Pueblo . . .	27	-9	.1	0	Kansas City . . .	24	-13	T	-.3	Nashville . . .	32	-11	T	-1.0
CONN. Bridgeport . . .	29	-10	.3	-.6	St. Louis . . .	26	-12	0	-.5	TEX. Abilene . . .	41	-8	T	-.2
Hartford . . .	21	-12	.4	-.6	Springfield . . .	31	-8	.1	-.5	Amarillo . . .	33	-8	0	-.1
D.C. Washington . . .	31	-10	.4	-.3	MONT. Billings . . .	27	-3	.2	0	Austin . . .	45	-10	.8	+.3
FLA. Apalachicola . . .	48	-9	.4	-.4	Glasgow . . .	20	-2	.1	0	Beaumont . . .	43	-13	.3	-.8
Daytona Beach . . .	56	-5	1.3	+.9	Great Falls . . .	27	-2	.1	-.1	Brownsville . . .	54	-11	.2	-.1
Ft. Myers . . .	60	-6	.3	0	Havre . . .	26	+3	.1	0	Corpus Christi . . .	50	-11	.8	+.4
Jacksonville . . .	49	-8	.1	-.4	Helena . . .	25	-2	T	-.1	Dallas . . .	---	---	---	---
Key West . . .	71	-2	T	-.4	Kalispell . . .	26	-1	T	-.4	Del Rio . . .	46	-9	T	-.1
Lakeland . . .	55	-9	1.0	+.6	Miles City . . .	24	-2	.1	0	El Paso . . .	33	-14	T	-.1
Miami . . .	68	-2	.1	-.3	Missoula . . .	23	-5	T	-.2	Fort Worth . . .	44	-7	.8	+.4
Orlando . . .	57	-6	1.0	+.6	NEBR. Grand Island . . .	24	-7	T	-.1	Galveston . . .	49	-10	.6	-.2
Tallahassee . . .	46	-9	.4	-.5	Lincoln . . .	21	-11	T	-.2	Houston . . .	44	-13	.6	-.4
Tampa . . .	56	-7	.5	0	Norfolk . . .	21	-8	.2	+.1	Lubbock . . .	37	-7	T	-.1
W. Palm Beach . . .	69	+1	.4	0	N. Platte . . .	26	-4	T	-.1	Midland . . .	41	-7	T	-.1
GA. Atlanta . . .	37	-9	.2	-.7	Omaha . . .	23	-7	.1	-.1	San Angelo . . .	41	-10	T	-.1
Augusta . . .	40	-9	.1	-.6	Valentine . . .	19	-9	.2	+.1	San Antonio . . .	46	-10	1.0	+.6
Macon . . .	42	-9	.1	-.7	NEV. Ely . . .	27	-2	T	-.2	Victoria . . .	48	-11	1.1	+.6
Savannah . . .	46	-6	.2	-.4	Las Vegas . . .	48	0	0	-.1	Waco . . .	44	-9	.5	0
HAWAII. Hilo . . .	73	+1	.5	-3.3	Reno . . .	31	-5	0	-.2	Wichita Falls . . .	42	-5	1.0	+.7
Honolulu . . .	74	-1	T	-.8	Winnemucca . . .	29	-4	T	-.2	UTAH. Blanding . . .	29	-4	0	-.2
Kahului . . .	73	-1	T	-.6	N.H. Concord . . .	15	-15	.4	-.5	Salt Lake City . . .	31	-2	.1	-.3
Lihue . . .	72	-2	.1	-1.3	N.J. Atlantic City . . .	26	-13	.5	-.5	VT. Burlington . . .	15	-14	.4	-.2
IDAHO. Boise . . .	30	-5	T	-.4	Trenton . . .	27	-12	.2	-.6	VA. Lynchburg . . .	30	-11	.1	-.6
Lewiston . . .	31	-6	T	-.3	N.MEX. Albuquerque . . .	26	-13	T	-.1	Norfolk . . .	39	-7	.5	-.2
Pocatello . . .	28	-2	.2	-.1	Roswell . . .	35	-12	0	-.1	Richmond . . .	32	-11	.6	-.2
ILL. Cairo . . .	32	-10	0	-.9	N.Y. Albany . . .	17	-14	.5	-.2	Roanoke . . .	30	-11	.1	-.6
Chicago . . .	14	-19	.2	-.3	Binghamton . . .	15	-15	.4	-.3	WASH. Colville . . .	24	-6	0	-.5
Moline . . .	12	-19	.1	-.3	Ruffalo . . .	16	-16	2.2	+1.4	Omak . . .	24	-6	0	-.4
Peoria . . .	17	-15	.1	-.4	New York . . .	27	-13	.3	-.6	Quillayute . . .	39	-3	.1	-3.4
Rockford . . .	9	-21	.1	-.4	Rochester . . .	19	-14	.3	-.3	Seattle-Tacoma . . .	39	-3	0	-1.4
Springfield . . .	21	-14	T	-.5	Syracuse . . .	18	-15	.5	-.3	Spokane . . .	25	-6	T	-.6
IND. Evansville . . .	29	-10	T	-.8	N.C. Asheville . . .	31	-10	.2	-.6	Walla Walla . . .	29	-10	T	-.4
Ft. Wayne . . .	15	-18	.1	-.4	Charlotte . . .	36	-9	.1	-.6	Yakima . . .	26	-8	T	-.3
Indianapolis . . .	20	-15	T	-.7	Greensboro . . .	33	-10	.1	-.6	W.Va. Beckley . . .	25	-11	.1	-.6
South Bend . . .	16	-16	.4	-.2	Hatteras . . .	45	-6	.3	-.8	Charleston . . .	26	-13	.2	-.5
IOWA. Burlington . . .	16	-16	T	-.4	Raleigh . . .	33	-11	.1	-.6	Huntington . . .	27	-12	.2	-.5
Des Moines . . .	18	-12	.1	-.2	Wilmingon . . .	44	-6	.1	-.7	Parkersburg . . .	24	-15	.1	-.5
Dubuque . . .	8	-20	.3	-.2	N.DAK. Bismarck . . .	16	-5	.1	0	WIS. Green Bay . . .	4	-22	.2	-.2
Sioux City . . .	18	-10	.3	+.1	Fargo . . .	3	-16	.1	0	La Crosse . . .	9	-18	.3	0
KANS. Concordia . . .	25	-9	T	-.1	Williston . . .	13	-7	.1	0	Madison . . .	7	-20	.2	-.2
Dodge City . . .	33	-4	T	-.1	OHIO. Akron-Canton . . .	16	-17	.1	-.5	Milwaukee . . .	11	-18	.1	-.3
Goodland . . .	28	-5	.1	0	Cincinnati . . .	21	-16	T	-.7	WYO. Casper . . .	23	-6	.1	0
Topeka . . .	25	-11	.2	-.1	Cleveland . . .	15	-19	.2	-.4	Cheyenne . . .	27	-4	T	-.1
Wichita . . .	32	-6	.1	-.1	Columbus . . .	17	-18	T	-.6	Lander . . .	25	-1	.2	+.1
Lexington . . .	26	-13	T	-.8	Dayton . . .	20	-15	T	-.6	Sheridan . . .	25	-3	.4	+.2
Louisville . . .	29	-10	T	-.8	Toledo . . .	12	-20	.3	-.3	P.R. San Juan . . .	79	+1	.8	-.4

Based on 1941-70 normals

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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 SRS State offices in cooperation with the National Weather Service, NOAA.

ALABAMA: Record low temperatures, averaged 10° below normal.

Wet fields limited fieldwork to 3.5 days. Soil moisture adequate. Major activities: Harvesting cotton, soybeans and corn and care and feeding of livestock. Cotton 85% harvested, 81% 1975, 89% average. Soybeans 92% harvested, 90% 1975, 93% average. Corn 95% harvested, 94% 1975, 95% average. Pastures seasonally short to adequate. Livestock fair to good.

ARIZONA: No precipitation. Temperatures 2 to 5° below normal.

Cotton harvest continued, many fields completed. Land preparation, planting small grains continued. Harvest late sorghum nearing completion. Sugarbeets good growth. Lettuce harvest continued full swing. Harvest, planting fall and winter mixed vegetables active. Lemons, navels, sweets, tangerines, grapefruit being picked. Lower ranges fair. Higher ranges generally excellent. Cattle movement at higher elevations restricted mud, snow. Sheep, lambs good condition.

ARKANSAS: Cold and dry. Temperatures 4 to 10° below normal. Extremes: 0 to 65°. Rainfall 0 to 0.18 in.

Soybeans and cotton approximately 96% harvested. Small grain seeding complete. Little growth but good condition. Pastures short. Supplemental feeding of livestock.

CALIFORNIA: Dry with subnormal temperatures. South coast and a few mountain stations temperatures above normal.

Dry weather aiding harvest cotton, corn, milo. Small grain needs moisture. Irrigating grain where water available most areas. Pruning, dormant spraying deciduous trees continues. Irrigating some orchards. Strong winds Irvine area caused heavy avocado drop. Increased activity to pack fallen fruit. Lemons Santa Barbara being sprayed for citrus red mite. Early Navels good quality. Later varieties increasing size, breaking color. Tangerines good quality. Harvest desert grapefruit, limes continues. Broccoli, brussels sprouts, cabbage and lettuce harvest continued active. Lettuce harvest moving to Imperial Valley. Sweetpotato, bell pepper harvests nearly finished. New plantings garlic, strawberries being irrigated. Ground preparation for spring crops active. Rangelands lack rainfall. Winds depleted soil surface moisture. Water supplies below normal; many ranchers hauling water. Supplemental feeding needed most areas.

COLORADO: Little snow over southeast. Over eastern plains amounts ranged from a trace to 2 in., from 2 to 4 in. northeast, from 5 to 10 in. in mountains. Temperatures 12° below normal.

Winter wheat in good condition, winter barley good condition. Ranges and pastures fair. Livestock good. Soil moisture short.

FLORIDA: Scattered rains early week with heavy amounts north, moderate to light elsewhere. Frost northern sections early week, otherwise temperatures slightly below normal except extreme south temperatures slightly above normal.

Soil moisture excessive Panhandle, adequate over Peninsula. Soybean, cotton harvest nearing completion. Sugarcane harvest active. Crop good

condition. Seeding small grains nearly complete. Growth of grains slow. Tobacco plant beds being prepared. Moderating temperatures and rains very beneficial growth of rye, other temporary pastures, Peninsula, but growth response slow in Panhandle. Supplemental feeding relatively heavy as growth of many temporary pastures slow earlier. Cattle, calves generally good condition. Citrus tree condition excellent, rain very beneficial. Irrigation discontinued. No frost damage. Harvest slow due to rain. Valencias starting color break. General vegetable crop condition lowered somewhat by cool, wet, windy weather. Harvesting, planting delayed, packout lowered by wet conditions several crops. Overall shipments increased 14%, led by substantial increases cabbage, celery, sweet corn, escarole, green peppers. Carrots, eggplant, chinese cabbage also showed volume increases. Steady supplies snap beans, lettuce, tomatoes available. Shipments cucumbers radishes declined. Steady supplies most crops expected this week.

GEORGIA: Temperatures 1 to 5° below normal, few sections 10° below normal. Averages from mid-30's northeast to mid-50's along lower coast. Rainfall amounts between 2.00 in. and 3.00 in. north and between 3.00 to 5.50 in. south.

Soil moisture extremely variable, adequate to excessive. Fieldwork: 3 days suitable. Wet fields hampered farming activities. Cotton fair, 81% harvested, 99% open. Soybean condition mostly fair to good, 80% combined. Corn condition fair to mostly good, 94% harvested. Pecan condition poor to mostly fair, 68% harvested. Pasture condition fair to good. Cattle fair to mostly good, hogs good. Wheat 86% planted, rye 91% planted and other small grains 90% planted.

HAWAII: Weather favorable. Skies overcast. Some light showers but most areas dry. Kauai water supply low to irrigate sugarcane, especially leeward area. More rains needed.

Supplies leafy crops getting plentiful. Cabbage production heavy. Pole beans short. Banana supplies heavy. Papaya supplies moderate to heavy. Pineapple harvesting light. Sugar harvesting slow. Pastures leeward poor, windward good.

IDAHO: Colder and drier than normal. Extremes: 18 and 31°.

Most fieldwork complete. Main activities: record keeping, winterizing machinery, tending livestock. Cattle still on pasture. Supplemental feeding less than normal. Feed supplies adequate.

ILLINOIS: Temperatures 10 to 20° below normal. Cool 11th straight week. Northern half below freezing entire week. Precipitation up to 0.33 in. northern third, little or none south.

Soil moisture mostly short. Winter wheat and other small grains remain mostly fair to good. Livestock doing well most areas. Caring for livestock, machinery repair, chores.

INDIANA: Very cold. Temperatures averaged 12° below normal. Lows averaged 10° in north, 23° in south. Several inches of snow extreme north.

Fieldwork: 4 days suitable. Topsoil moisture short to adequate; subsoil moisture mostly short to adequate. Wheat 85% emerged. Wheat stands mostly fair. Tobacco 40% stripped. Land for

1977 seeded crops 50% plowed.

IOWA: Cold with temperatures averaging 7 to 10° subnormal west and 16 to 18° subnormal east. Sub-zero coldness at the beginning moderated on 30th with occasional light snow thereafter through weekend. Snow of 1 to 5 in. covers all but south.

KANSAS: Temperatures unseasonably cold; 27 to 29° north to 32° south or 4° below normal west to from 8 to 10° below normal east and central. Little to no precipitation over the west and north central to a few hundredths in the east and south central with as much as 0.20 in. in the extreme east.

Cool, dry left the wheat condition unchanged. Warm weather and moisture needed to improve top growth and root development. Little grazing of wheat pasture. Cattle continue to graze stubble fields. Limited grazing on pasture land due to poor conditions.

KENTUCKY: Very cold first with 1 to 3 in. snow. Water equivalent of snow ranged from 0.25 to 0.50 in. 29th and 30th. Near normal temperatures last but averaged 5 to 10° below normal.

Outside work limited by weather. Winter grain and pastures in fair condition. Germination, stands and growth limited by cold dry weather. Tobacco stripping hindered by weather with progress behind normal. Volume marketed for first two weeks of sales below last year. Quality of offerings good.

LOUISIANA: Temperatures 8 to 13° below normal. Extremes: 67 and 18°.

Soil moisture adequate. Fieldwork: 3.7 days suitable. Cotton harvest 99%, 92% last year, 86% average. Soybean harvest 100%, 98% year earlier, 91% average. Sugarcane harvest 66%, 75% year ago, 71% average; some freeze damage; extent not known. Oats 100%, wheat 98% planted. Pastures poor to fair. Cattle fair.

MARYLAND & DELAWARE: Temperatures averaged 4 to 5° below normal. Highs in low 50's, lows in 20's. Precipitation light to moderate. Most areas recorded less than 1.00 in. Eastern Shore areas had, slightly more. Weekend fair, warming.

Corn and soybean harvest about completed. Some farmers doing fall plowing. Many starting winter maintenance jobs. Livestock in some areas still on pasture.

MICHIGAN: Temperature 16 to 18° below normal. Mean temperatures ranged mainly between 8° over northeast Lower Peninsula to 16° over southeast Lower. Over Upper Peninsula mean temperatures ranged between 6° in the east to 2° below zero in southwest. Precipitation ranged up to 0.30 in. reaching near 0.60 in. over western lower coast increasing to near 2.00 in. over the Keweenaw Peninsula. Snow depth over Lower Peninsula ranged up to 3 in. and reached 8 to 16 in. along portions of western coast.

Cold temperatures and snow limited farm activities to chores, shipping crops out of storage and feeding livestock.

MINNESOTA: Very cold with snow, heaviest over southern half on 5th. Temperatures averaged 16° below normal; 10° below normal southwest; 18° below normal southeast; 21° below normal north central. Extremes: -31 and 40°. Precipitation averaged 0.10 in. north half, about 0.15 in. below normal; and 0.20 in. south half, near

normal. New snowfall less than 1 in. northwest, 3 to 5 in. south third. Snow depth less than 1 in. northwest, 4 to 6 in. most of south and east.

MISSISSIPPI: Temperatures 8 to 12° subnormal. Extremes: 11 and 75°.

Soil moisture adequate to surplus. Fieldwork: 2.8 days suitable. Cotton 97% harvested, 81% 1975, 89% average. Soybeans 96% harvested, 89% 1975, 86% average. Corn 98% harvested, 97% 1975, 94% average. Pecans 85% harvested, 79% 1975, 76% average. Winter wheat and oats in fair to poor condition. Pastures in poor to fair condition. Livestock in mostly fair condition.

MISSOURI: Temperatures dropped 11 to 16° below normal. Precipitation light and mostly as snow. Greatest precipitation 0.33 in. in west central plains, and 0.30 in. in the north east prairie. All other areas averaged less than 0.25 in.

With the completion of harvest, farming activities consist of general livestock care and management.

MONTANA: Mostly dry, cold. Precipitation much below normal west to slightly above south central and east. Temperatures averaged 2 to 4° below normal. Brief warming midweek, but minimums fell to 0° or below end.

Winter wheat poor to fair. Snow cover light. Moisture in recent snow not enough to relieve dry soils. Livestock grazing open. Most livestock receiving some supplemental feed.

NEBRASKA: Precipitation over Panhandle 0.10 in., trace elsewhere. Temperatures 10° below normal central and east, near or slightly below west.

Topsoil and subsoil moisture short. Winter wheat condition fair. Moisture needed. Corn harvest virtually complete, normal 95%, 1975 100%. Livestock grazed stalk fields.

NEVADA: Cooler temperatures continued. Precipitation very light. Extremes: 78 and -3°.

Cotton harvest continues Pahrump Valley. Livestock doing well. Winter ranges only fair.

NEW ENGLAND: Cold, with record lows. Northern areas of Maine, New Hampshire and Vermont received 4 to 6 in. snow 29th while other areas received small amounts rain or snow.

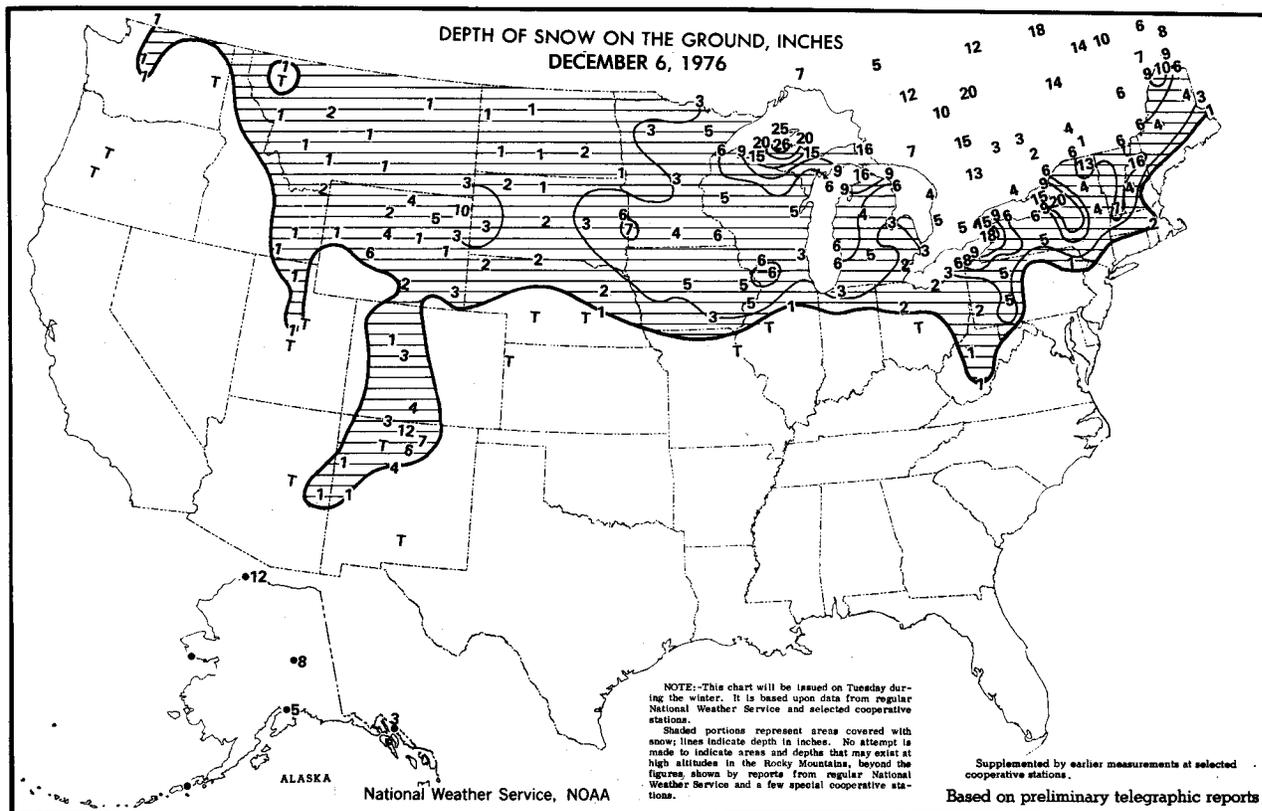
NEW JERSEY: Record cold temperatures 15 to 18° below normal, averaging 19° north, 24° south, and 27° coastal areas. Extremes: -4 and 55°. Precipitation below normal, averaging 0.14 in. north 0.07 in. south and 0.08 in. coastal sections. Snow up to 3 in.

Farmers caring for livestock and doing other winter chores.

NEW MEXICO: Dry except some light snow north central sections 1st. Extremely cold beginning with slight warming last half. Below zero temperatures beginning of week except southwest.

Soil moisture short north, adequate south. Heavy snows interrupted field activities. Cotton 75% harvested. Dryland winter wheat fair, irrigated good. Moderate grazing of wheat fields. Onions good. Pecan harvest proceeded. Ranges and livestock fair to good, supplemental feeding in many areas.

NEW YORK: Cold beginning of week. Highs in 20's and 30's. Colder at end of week. Lows from 11 to -24°. Total precipitation ranged from 0.29 in.



to 2.17 in. Ground snow depth ranged from 1 in. Hudson Valley to 26in. Buffalo.

Corn harvesting moving slowly. Limited fall plowing done. Winter wheat getting slow start.

NORTH CAROLINA: Temperatures averaged well below normal. Rainfall near normal.

Fieldwork: 3.5 days suitable. Soil moisture adequate. Corn 96% combined, 1975 96%, average 92%. Soybeans 82% harvested, 1975 76%, average 76%. Cotton 91% picked, 1975 91%, average 87%. Sorghum 96% combined, 1975 95%. Wheat 91% seeded, 1975 89%, average 87%. Oats 91% planted. Barley and rye 92% planted. Pastures fair. Small grain conditions fair to good.

NORTH DAKOTA: Temperatures averaged 11° below normal, ranging from 16 to 5° below normal. Extremes: 37 and -20°. Precipitation ranged from 0.09 in. above normal to 0.12 in. below normal. Snow depth ranging from 1 to 4 in. Weekend near normal temperatures with light snow.

Livestock generally good condition. Pastures and ranges very poor condition providing very limited feed.

OHIO: Frequent snow flurries north with some locally heavy amounts in snow belt. Continued unseasonably cold. Record lows over northern half on 3d.

Tobacco coloring well, grain and pastures poor to mostly fair condition. Farm activity slow. Livestock feeding and tobacco stripping main activities.

OKLAHOMA: Temperatures ranged from 9 to 11° below normal. Precipitation averaged from a trace in several areas to 0.06 in. Panhandle. Weekend cool with light to moderate precipitation except none

Panhandle.

Cold weather hampered harvest operations but stripping small cotton crop made good progress. Topsoil moisture short, far below conditions this date year ago. Wheat condition fair to good but making no growth. Light ground cover cause for concern. Cotton now 80% stripped, compared 25% year ago. Sorghum grain harvest in windup stage, and soybean combining over 90% complete. Bulk of the light pecan crop has been picked up. Pastures and ranges providing very little feed, and wheat grazing too limited to help fill the heavy supplemental feeding needs. Cattle in fair to good condition. Sales being made to conserve available feed supplies.

OREGON: Dry spell persisted with virtually no precipitation. Temperatures chilly ranging up to 11° below normal. Extremes: Mid 60's, low 20's west; high 50's, near zero east.

Some spraying done. Grass fields continue to look good. Late sown wheat looks better than early sown. Some early wheat may need to be reseeded. Livestock being prepared for winter. Feeding heavy in some areas. Feed supplies adequate. Pastures fair condition but need moisture. Livestock condition good.

PENNSYLVANIA: Coldest since early February and one of coldest in seven years. Sunshine, but temperatures averaged 10 to 18° below normal. Extremes: 47 to -19°. Except for snow flurries several days, generally dry. Near Lake Erie, up to 18 in. new snow accumulated. Most streams now ice-covered for one of earlier formations on record.

Corn harvest and normal winter chores.

PUERTO RICO: Island average rainfall 1.01 in. or

0.08 in. below normal. Temperatures averaged 77° on coasts and 71° interior. Extremes: 92 and 51°.

Good development sugarcane due recent rains. Coffee harvest hindered by rainy weather. Tobacco planting and cultivating active. Favorable weather for development. Pastures generally good condition but suffering insect attacks west and other areas. More rains needed south. Food crops condition and development excellent. More rains needed west and south coastal areas.

SOUTH CAROLINA: Temperatures above normal 28th, below normal remainder. Extremes: 14 and 72°. Rainfall near normal, all rain occurred early week.

Wet fields slowed activities. Harvest of soybeans, sorghum, cotton continued; also planting small grains, winter grazing. Harvest activities ahead of average. Preparing tobacco beds, pruning grape vines. Pastures, winter grazing deteriorating from cold. Cotton harvested 89% 1976, 90% 82% 1976, 74% average. Oats planted 87% 1976. Barley planted 88% 1976. Rye planted 93% 1976.

SOUTH DAKOTA: Very cold; temperatures 4 to 14° below normal. Lows below zero every day. Extremes: -22 and 54°. Several snowfalls. Depths range from 2 to 4 in. Water equivalents vary from 0.20 in. to 0.30 in. which is above normal. Moisture shortage still ranges to 14.00 in. below normal.

Operators clearing snow. Other farm activities slow. Caring for livestock main activity.

TENNESSEE: Temperatures averaged in the mid and upper 30's which is 5 to 10° below normal. Rainfall in east but little to none elsewhere. Amounts in those areas averaged less than 0.25 in.

Activities include completion of fall harvest, plowing, stripping tobacco, and caring for livestock. Pastures dormant and supplemental feeding being done. Few late maturing fields of corn, cotton and soybeans remain to be harvested. Tobacco stripping aided by moisture a week ago. Tobacco moving rapidly to auction.

TEXAS: Temperatures cold, many record lows broken. Rain 5th over most of east. Temperatures near normal north, 10° below normal remainder. Rainfall below normal in west, normal in east. Normal less than 0.25 in. Panhandle, far west to over 1.00 in. east.

Cotton stripping advanced rapidly in Plains, Trans-Pecos and now 60%, 1975 66%, 49% average. Many gins on the northern plains running behind. Wheat 96% seeded, behind 100% 1975 and average. Limited grazing available most areas. Frost slowed growth. Dryland fields on northern High Plains need moisture badly. Sorghum harvest virtually complete, 1975 100%, average 99%. Peanut harvest 93%, 100% 1975, 98% average. Good progress wherever weather permitted. Soybean combining 98%. Harvesting should conclude rapidly. Rain, cold weather delayed harvest, other field operations on vegetables and citrus. Some citrus harvest possible in selected groves. Some vegetables lost due to freeze. Cattle good except on northern High Plains, East Texas, where fair. Supplemental feeding common. Frost limited grass growth in all but Lower Rio Grande Valley. Small grain providing limited grazing. Some sorghum stubble, corn stalks on northern High Plains grazed.

UTAH: Few scattered areas rain or snow principally,

northwest. Accumulated moisture generally light in valleys but locally moderate at higher elevations northern mountains. Temperatures dropped 4 to 12° below normal.

Sugarbeet processing continues as well as grading, sorting, and marketing of potatoes, dry onions and apples from storage.

VIRGINIA: Temperatures below normal. Extremes: 74 and 5°. Snow flurries in west. Scattered rainfall elsewhere ranging from 0.39 in. to 2.46 in.

Fieldwork: 3.7 days suitable. Topsoil moisture adequate. Cattle being fed. Feed supplies short. Cold autumn curtailing pasture growth. Calving and lambing beginning. Livestock in good condition. Pastures rated at 81% of normal were supplying 11% forage for dairy cattle, 43% for beef cattle, 55% for sheep. Final harvesting of late crops continued. Soybean harvest virtually complete. Small quantities corn, grain sorghum still in fields. Plowing, liming, fertilizing active. Marketing burley, fire-cured tobacco. Sun-cured sales start December 7. Orchard pruning started. Some late wheat and cover crops seeded.

WASHINGTON: West: Temperatures from 2° subnormal coastal area to 6° subnormal east Olympic/Cascade foothills. Precipitation zero except Puget Sound less than 0.02 in.

Harvest of late season crops complete. Livestock on feed.

East: Temperatures averaged 8° subnormal. Precipitation less than a trace.

Fruit trees hardening to withstand cold winter weather. Soil dry, could cause root damage. Sugarbeet harvest complete. Field corn continues. Potato processing in full swing. Wheat fields in varying degrees of stress. Fields spotty at present. Greenbugs subsided. Some cattle still on ranges with supplemental feed. Some spring calves coming to market.

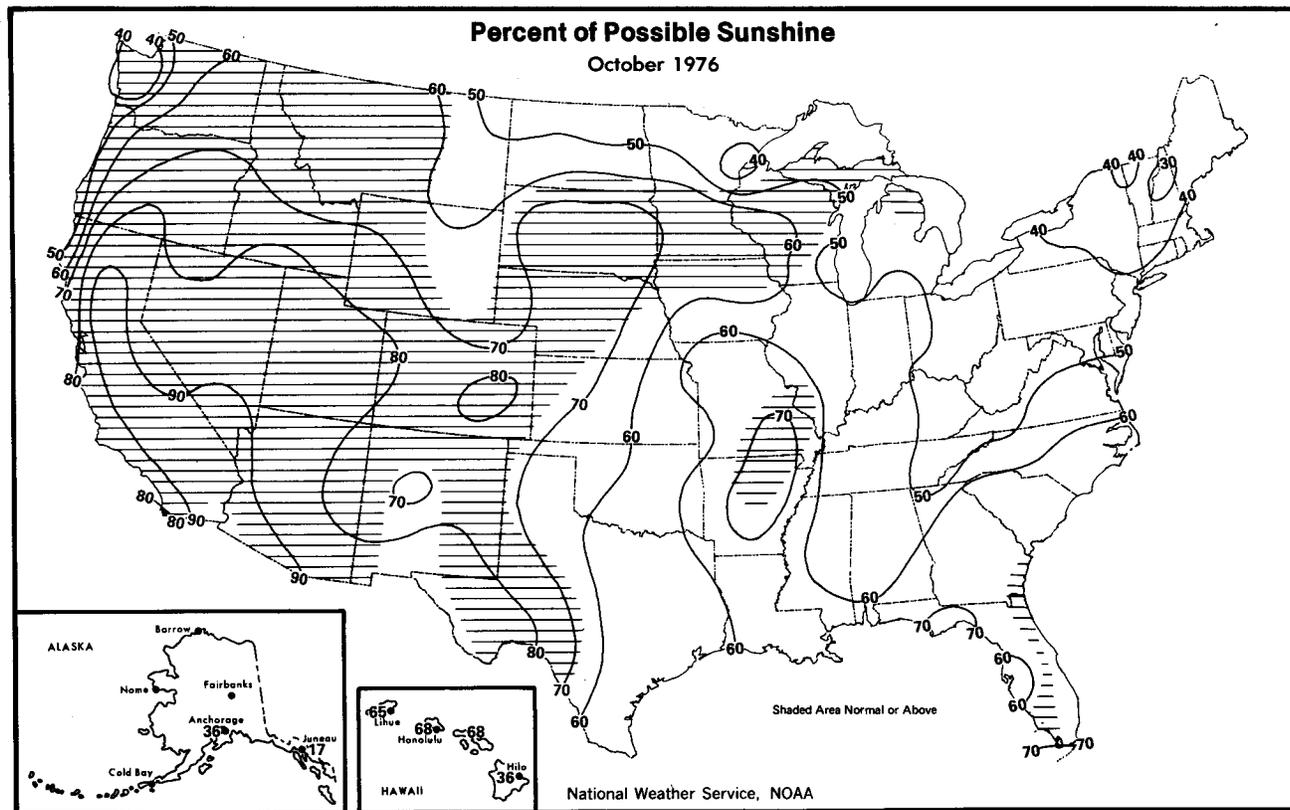
WEST VIRGINIA: Temperatures below normal. Extremes: -11 and 57°. Precipitation subnormal, occurred as snow. Fieldwork: 2.3 days suitable. Soil moisture adequate. Cold weather causing heavy feeding of livestock earlier than usual. Activities limited to feeding and caring for livestock.

WISCONSIN: Temperatures well below normal, with slight moderation on weekend. Highs were in the teens until reaching 20's on 5th. Below zero reading every morning. Few snow flurries early week. Heavier snow of 1 to 3 in. on 3d., and 1 to 5 in. late on 5th. Snow depths averaged 2 in. as of 3d. Frost depths averaged 7 in; the deepest penetration for early December since survey began in 1961.

Soils extremely dry, little or no moisture found by cemetery caretakers.

WYOMING: Temperatures averaged 5 to 10° below normal. Coldest readings east. Highs 40's to 50's. Only northeast and north central noted significant amounts of precipitation, elsewhere totals below normal. Snow cover spotty. Heavy accumulation northeast corner. Light snowfall south.

Soil moisture mostly short. Supplemental feeding increasing. Feed supplies short to surplus, depending on area. Range and pastures generally good condition.



World Weather and Crop Update

HIGHLIGHTS. Fair weather favored the Southern Hemisphere wheat harvest. Stormy weather limited farm activity in much of West Europe. Rain and moderate temperatures maintained good condition of Soviet winter grains. In the Central Asian Republics, cotton harvest neared completion.

THE AMERICAS. Favored by mostly fair weather, wheat harvest advanced in Brazil, Uruguay, and Argentina. The equatorial region remained relatively dry. Midwinter type weather slowed or halted vegetative growth in much of North America. Extensive snow cover forced many farmers to supplement feed for livestock ahead of schedule. Development of some fall-sown crops was not at a stage to tolerate ordinary winter temperatures and alternate freezing and thawing.

AUSTRALIA. Wheat harvest prospered under mostly fair weather. Pastures and row crops, however, still need timely rains because of widespread soil moisture shortages.

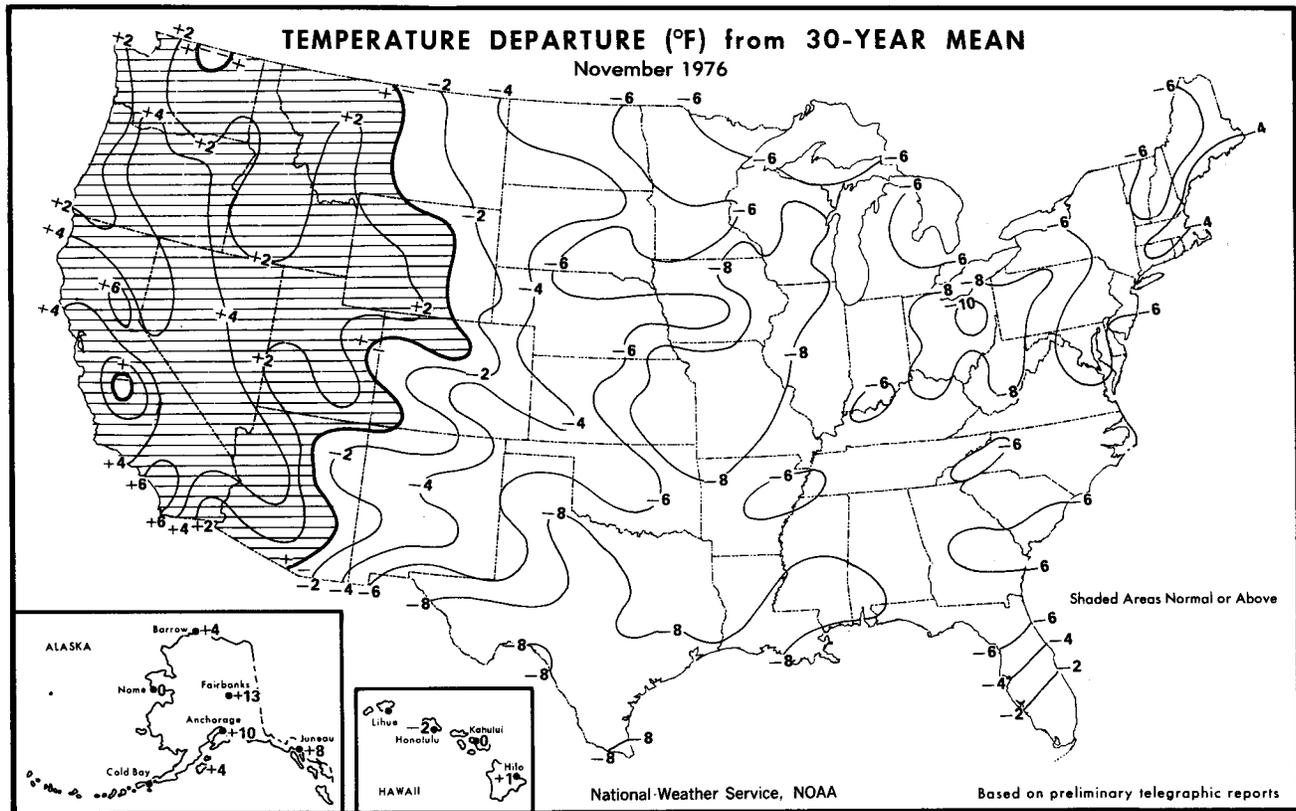
ASIA. Showers fell in extreme southern areas of India and Sri Lanka, while little or none fell

elsewhere in south central Asia. Though not much rain falls in the region at this time of year, moisture would help improve stands of fall-sown crops. Conditions remained rather cold and dry in the northern Provinces of the People's Republic of China.

AFRICA. Except in the Congo Basin and adjacent portions of central Africa, not much rain fell on the continent. Stressed areas of western and eastern Africa went more or less unrelieved. Much of Kenya remained stressed by soil moisture deficits.

EUROPE. Stormy weather raked Europe last week. Strong winds and generous rainfall limited farm activities in much of the region. Moderate temperatures and freedom from snow cover provided livestock access to forage.

USSR. Relatively mild temperatures and rain sustained good conditions for livestock and crops in the west. Snow retention activity occupied farmers in the cold Virgin Lands. Cotton harvest neared completion in Central Asian Republics.



November Weather Summary

HIGHLIGHTS: The very cold temperatures east of the Rockies and the dearth of precipitation over most of the U.S. were the dominant factors in November's weather. Precipitation was normal to above normal in southeast Arizona; southern parts of Texas, Louisiana, Mississippi, and Alabama; most of Georgia, South Carolina, and Florida; and southern North Carolina. The rest of the Nation recorded below normal precipitation for November. Most of the previously dry area of the northern Plains received only about 10% of normal precipitation. The November average temperatures east of the Rockies were the coldest ever experienced in many areas, especially in the South.

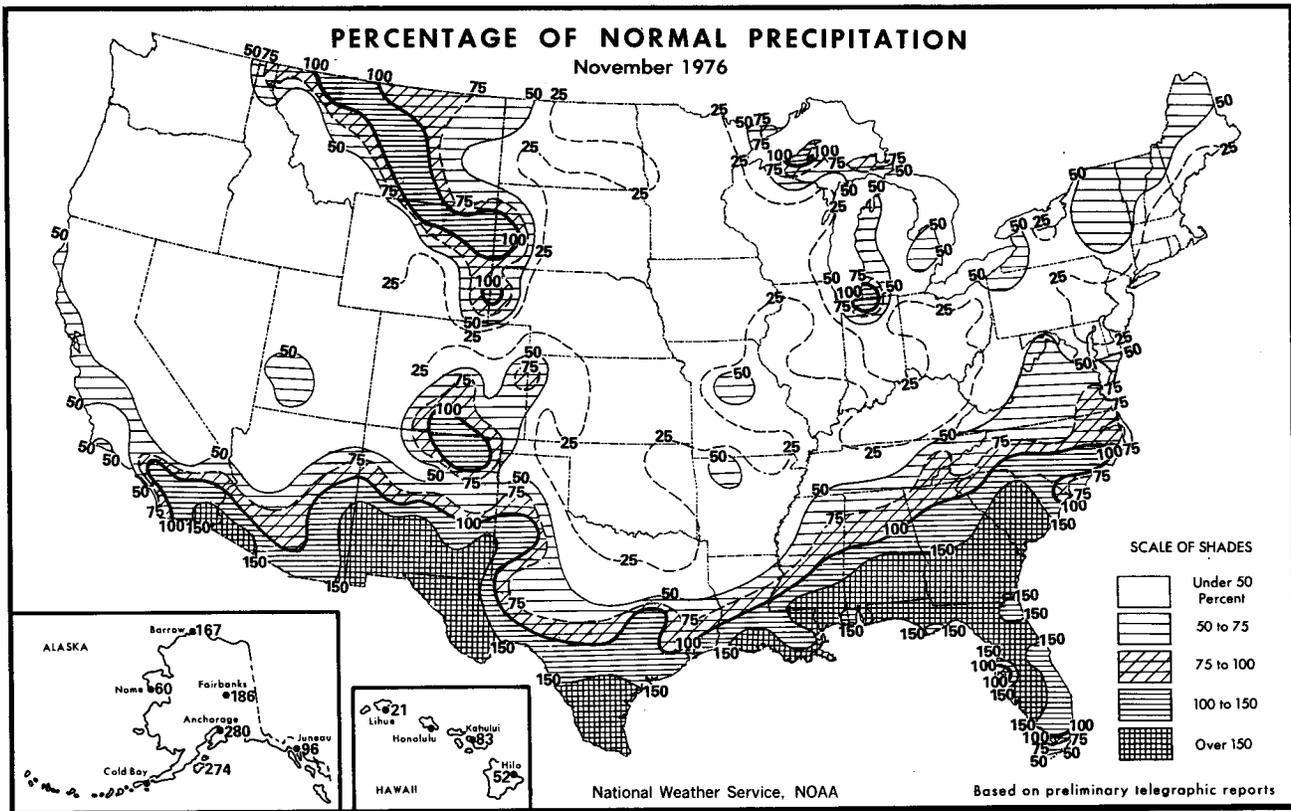
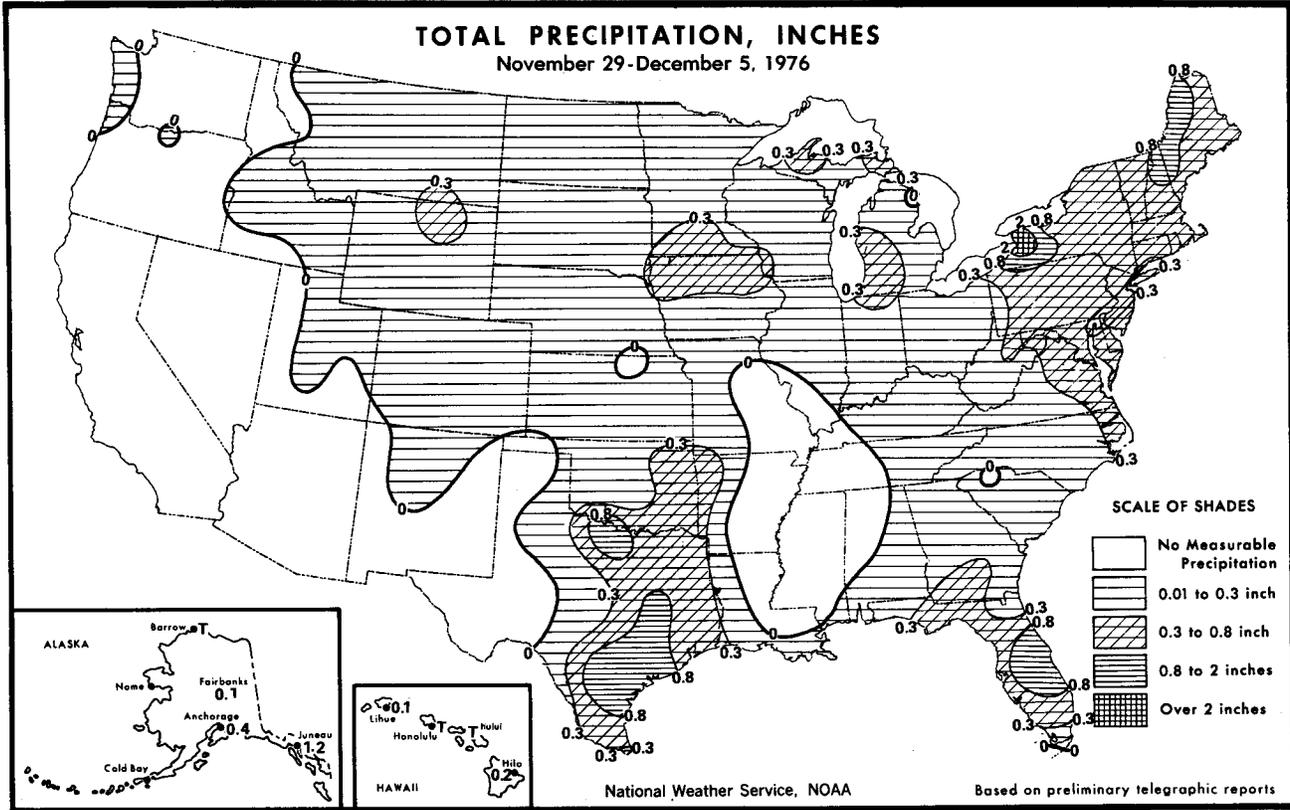
Continuing a pattern that began in early October, all areas from the western high Plains to the East Coast recorded below normal temperatures in the first week of November. Weekly readings in southeastern U.S. averaged 9 to 10° colder than normal. A series of cold outbreaks in the northern Plains and a low pressure system moving across southeastern Canada implanted cold conditions in eastern U.S. with only moderate warming between cold air surges. Welcome rain fell on the dry peninsula area of Florida. Rain or snow showers occurred in parts of the Pacific Northwest, and snow fell around the Great Lakes area and from the central Appalachians northward. Some rain dampened the New England Coast.

In the second week of the month cold weather persisted east of the Rockies, as the precipitation area increased. A series of low pressure systems that formed in the southern Rockies first moved eastward, then northeastward. As the more dense cold air lifted the warm, moist air from the Gulf of Mexico, snow, sleet, freezing rain or just cold rain appeared as the systems moved eastward through the Southern States. Snow reached record

depths in west Texas, where up to 10 inches piled up in some areas. A low pressure center off the West Coast moved onshore and produced light to moderate rain along the Coast and light showers of rain or snow in the Sierras, Cascades, and Plateau areas.

The week after mid-November brought warmer weather to the central and northern Plains, where daytime temperatures rose to near 60° at some stations. Credit goes to a high pressure center in the Rockies, which created a downslope flow that warmed the area. From the western Great Lakes region to Arizona and westward, warmer than normal weather prevailed, but most of eastern and southern U.S. remained unseasonably cold. In east Texas the average temperature for the week skidded 12° below normal. Rain, heaviest along the Gulf Coast, continued in the South and Southeast as the warm air moved over the cold air, which was now well into the Gulf. Elsewhere rain or snow showers continued in the Pacific Northwest and light snow fell in the extreme northern Plains, the Lakes area, the Appalachians, and in New England.

The final week of the month introduced a vigorous winter storm to the Northwest that ended the warmer than normal weather in the West. Though the western chill didn't match the frigid temperatures in eastern U.S., the mercury dipped below normal in all areas except the extreme Southwest. Parts of the central and northern Appalachians and New England measured normal or above normal readings for the first time in many weeks. Average temperatures in the northern Plains and southern Rockies sank 8 to 10° below normal. Widespread and generally light precipitation bypassed only the Southwest and small areas in the Plains. Heaviest amounts fell in the South and Southeast.



Temperature and Precipitation Data for November 1976

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	45	-7	2.2	-1.5	La. Baton Rouge . . .	51	-8	5.0	+1.2	Youngstown . . .	32	-8	.9	-2.1
Mobile . . .	51	-8	4.6	+1.2	Lake Charles . . .	52	-8	5.2	+1.1	OKLA. Okla. City . . .	44	-5	.1	-1.3
Montgomery . . .	48	-7	5.3	+1.7	New Orleans . . .	53	-7	5.8	+1.9	Tulsa . . .	43	-6	.7	-1.2
ALASKA. Anchorage . . .	31	+10	2.8	+1.8	Shreveport . . .	49	-7	1.6	-2.0	OREG. Astoria . . .	48	+1	1.5	-8.3
Barrow . . .	3	+4	.5	+2	MAINE. Caribou . . .	26	-5	2.3	-1.2	Burns . . .	41	+5	.3	-1.1
Fairbanks . . .	16	+13	1.3	+6	Portland . . .	36	-3	.9	-4.0	Medford . . .	44	0	.4	-2.7
Juneau . . .	41	+8	5.3	-2	MD. Baltimore . . .	41	-5	.6	-2.5	Pendleton . . .	43	+2	.2	-1.3
Kodiak . . .	39	+4	14.8	+9.4	MASS. Boston . . .	42	-3	.6	-3.9	Portland . . .	47	+2	.8	-4.8
Nome . . .	16	0	.6	-4	Chatham . . .	40	-5	2.0	-2.5	Salem . . .	46	+1	1.1	-5.0
ARIZ. Flagstaff . . .	40	+4	.1	-1.2	MICH. Alpena . . .	30	-3	.8	-1.7	PA. Allentown . . .	38	-4	.7	-2.9
Phoenix . . .	64	+4	.4	-1.1	Detroit . . .	34	-6	.8	-1.5	Erie . . .	34	-6	2.1	-1.6
Tucson . . .	60	+1	.5	-1.1	Flint . . .	33	-5	1.2	-1.1	Harrisburg . . .	40	-6	.8	-2.4
Winslow . . .	41	-2	.3	-1.1	Grand Rapids . . .	32	-7	1.5	-1.3	Philadelphia . . .	40	-6	.3	-3.1
Yuma . . .	65	+1	.4	+2	Houghton Lake . . .	28	-6	.8	-1.7	Pittsburgh . . .	33	-8	.9	-1.6
ARK. Fort Smith . . .	42	-8	1.1	-2.0	Lansing . . .	32	-6	1.0	-1.3	Scranton . . .	37	-5	.8	-2.2
Little Rock . . .	45	-5	1.5	-2.4	Marquette . . .	29	-5	1.7	-1.3	R.I. Providence . . .	38	-5	.8	-3.7
CALIF. Bakersfield . . .	49	+3	.3	-4	Muskegon . . .	33	-6	1.5	-1.5	S.C. Charleston . . .	51	-5	3.6	+1.5
Eureka . . .	57	+5	3.0	-2.8	S. Ste. Marie . . .	27	-6	2.5	-.8	Columbia . . .	48	-6	5.1	+2.8
Fresno . . .	53	-1	.9	-3	MINN. Duluth . . .	22	-6	.2	-1.5	Greenville . . .	45	-6	2.8	-3
Los Angeles . . .	67	+4	.5	-1.5	Internat'l Falls . . .	20	-5	.2	-1.1	S.D. Aberdeen . . .	27	-3	T	-6
Red Bluff . . .	58	+4	.5	-2.6	Minneapolis . . .	28	-4	.2	-1.0	Huron . . .	25	-7	T	-7
San Diego . . .	67	+6	.8	-.5	Rochester . . .	25	-8	.1	-.9	Rapid City . . .	32	-3	.6	+1
San Francisco . . .	57	+2	1.4	-.9	St. Cloud . . .	23	-7	.1	-1.0	Sioux Falls . . .	28	-5	.1	-.8
Stockton . . .	56	+3	.6	-1.1	MISS. Jackson . . .	47	-8	3.3	-.6	TENN. Chattanooga . . .	43	-6	2.9	-1.0
COLO. Denver . . .	40	+1	.3	-.5	Meridian . . .	46	-8	3.6	+1	Knoxville . . .	43	-6	3.5	-.1
Grand Junction . . .	39	-1	T	-.6	MO. Columbia . . .	35	-9	.9	-.9	Memphis . . .	46	-5	1.8	-2.1
Pueblo . . .	36	-5	.3	-1	Kansas City . . .	36	-8	.2	-1.3	Nashville . . .	41	-7	1.3	-2.2
CONN. Bridgeport . . .	42	-4	.4	-3.4	St. Louis . . .	37	-8	.7	-1.8	TEX. Abilene . . .	46	-8	.6	-.6
Hartford . . .	38	-3	.5	-3.8	Springfield . . .	38	-8	.2	-2.1	Amarillo . . .	39	-7	.4	-.1
D.C. Washington . . .	43	-5	.9	-2.0	MONT. Billings . . .	35	-1	.7	0	Austin . . .	52	-7	1.8	-.2
FLA. Apalachicola . . .	55	-6	3.2	+5	Glasgow . . .	27	-2	.3	-.1	Beaumont . . .	53	-7	5.5	+1.2
Daytona Beach . . .	61	-4	3.4	+1.3	Great Falls . . .	37	+2	.7	-.1	Brownsville . . .	61	-7	2.5	+1.2
Ft. Myers . . .	67	-2	2.1	+8	Havre . . .	30	0	.4	-.1	Corpus Christi . . .	57	-8	4.3	+2.7
Jacksonville . . .	54	-7	2.4	+6	Helena . . .	34	+2	.3	-.3	Dallas . . .	53	-7	.9	+2
Key West . . .	74	-1	.5	-2.2	Kalispell . . .	31	0	.5	-.9	Del Rio . . .	45	-7	1.2	+9
Lakeland . . .	64	-3	2.4	+8	Milespan . . .	29	-3	.2	-.3	El Paso . . .	45	-7	.5	-1.5
Miami . . .	72	0	2.7	0	Missoula . . .	32	0	.2	-.8	Fort Worth . . .	50	-6	.5	+8
Orlando . . .	63	-4	2.0	+4	NEBR. Grand Island . . .	33	-5	.1	-.5	Galveston . . .	55	-9	4.0	+1
Tallahassee . . .	53	-6	10.4	+7.6	Lincoln . . .	32	-7	T	-.9	Houston . . .	52	-9	3.1	-.9
Tampa . . .	63	-4	1.6	-.2	Norfolk . . .	31	-5	.1	-.5	Lubbock . . .	43	-6	.6	+1
W. Palm Beach . . .	71	0	3.3	+8	N. Platte . . .	31	-5	.1	-.4	Midland . . .	47	-6	.3	-.2
GA. Atlanta . . .	44	-7	4.1	+7	Omaha . . .	33	-5	T	-1.0	San Angelo . . .	48	-8	.6	-2.3
Augusta . . .	48	-6	3.6	+1.4	Valentine . . .	28	-7	.1	-.4	San Antonio . . .	52	-8	2.5	+7
Macon . . .	50	-5	3.5	+1.1	NEV. Ely . . .	37	+3	.2	-.5	Victoria . . .	54	-9	3.1	+8
Savannah . . .	52	-5	4.8	+2.9	Las Vegas . . .	58	+5	T	-.4	Waco . . .	50	-8	.7	-1.6
HAWAII. Hilo . . .	75	+1	7.2	-6.6	Reno . . .	42	+2	.1	-.6	Wichita Falls . . .	46	-7	.3	-1.1
Honolulu . . .	75	-2	.5	-2.5	Winneucca . . .	42	+5	.2	-.8	UTAH. Blanding . . .	40	+2	T	-.8
Kahului . . .	75	0	1.9	-.4	N.H. Concord . . .	32	-6	.8	-3.2	Salt Lake City . . .	42	+3	T	-1.3
Lihue . . .	74	-1	1.2	-4.4	N.J. Atlantic City . . .	40	-6	.7	-3.5	VT. Burlington . . .	33	-4	1.6	-1.3
IDAHO. Boise . . .	41	+1	.1	-1.2	Trenton . . .	41	-5	.3	-3.0	VA. Lynchburg . . .	41	-6	1.4	-1.3
Lewiston . . .	44	+3	.2	-1.1	N.MEX. Albuquerque . . .	41	-4	.2	-.1	Norfolk . . .	46	-6	2.4	-.5
Pocatello . . .	38	+2	T	-1.1	Roswell . . .	43	-4	.4	+1	Richmond . . .	43	-6	1.9	-1.3
ILL. Cairo . . .	41	-7	1.1	-2.8	N.Y. Albany . . .	35	-5	1.4	-1.4	Roanoke . . .	40	-7	1.3	-1.2
Chicago . . .	33	-7	.6	-1.6	Binghamton . . .	31	-7	1.1	-2.0	WASH. Colville . . .	34	0	.3	-1.7
Moline . . .	30	-9	.7	-1.2	Buffalo . . .	34	-6	2.1	-1.6	Omak . . .	33	-2	T	-1.6
Peoria . . .	32	-8	.8	-1.2	New York . . .	43	-4	.3	-3.5	Quillayute . . .	46	+2	4.4	-9.4
Rockford . . .	28	-10	.4	-2.0	Rochester . . .	35	-6	.4	-2.4	Seattle-Tacoma . . .	48	+3	.7	-5.2
Springfield . . .	35	-7	.5	-1.6	Syracuse . . .	36	-5	1.5	-1.8	Spokane . . .	36	0	.2	-2.0
IND. Evansville . . .	39	-6	1.0	-2.2	N.C. Asheville . . .	41	-5	1.6	-1.3	Walla Walla . . .	43	0	.3	-1.6
Ft. Wayne . . .	34	-6	.6	-2.1	Charlotte . . .	44	-7	3.4	+7	Yakima . . .	39	+1	T	-1.1
Indianapolis . . .	35	-7	.8	-2.3	Greensboro . . .	42	-6	1.7	-.9	W. Va. Beckley . . .	34	-8	1.3	-1.6
South Bend . . .	33	-7	3.2	+5	Hatteras . . .	50	-6	3.1	-1.4	Charleston . . .	38	-7	1.0	-1.8
IOWA. Burlington . . .	32	-8	.4	-1.2	Raleigh . . .	43	-7	1.9	-.9	Huntington . . .	39	-7	.7	-2.2
Des Moines . . .	33	-5	.1	-1.3	Wilmington . . .	50	-6	2.1	-.9	Parkersburg . . .	38	-7	.3	-2.2
Dubuque . . .	28	-8	.4	-2.1	N.DAK. Bismarck . . .	26	-3	.2	-.4	WIS. Green Bay . . .	26	-8	.2	-1.7
Sioux City . . .	29	-7	T	-.9	Fargo . . .	23	-6	.3	-.4	La Crosse . . .	28	-7	T	-1.5
KANS. Concordia . . .	36	-5	.1	-.7	Williston . . .	24	-4	.3	-.2	Madison . . .	28	-7	.1	-1.8
Dodge City . . .	40	-3	.2	-.4	OHIO. Akron-Canton . . .	30	-11	.6	-1.9	Milwaukee . . .	30	-7	.7	-1.3
Goodland . . .	35	-4	.4	-.1	Cincinnati . . .	35	-9	.8	-2.3	WYO. Casper . . .	34	0	.1	-.6
Topeka . . .	35	-8	T	-1.3	Cleveland . . .	34	-8	.8	-2.0	Cheyenne . . .	34	-2	.3	-.3
Wichita . . .	38	-8	.1	-1.1	Columbus . . .	34	-8	.6	-2.1	Lander . . .	34	+2	.4	-.5
KY. Lexington . . .	37	-8	.5	-2.9	Dayton . . .	35	-7	.9	-1.7	Sheridan . . .	33	0	.9	0
Louisville . . .	40	-5	.7	-2.6	Toledo . . .	32	-8	.6	-1.7	P.R. San Juan . . .	81	+2	2.8	-2.7

Based on 1941-70 Normals

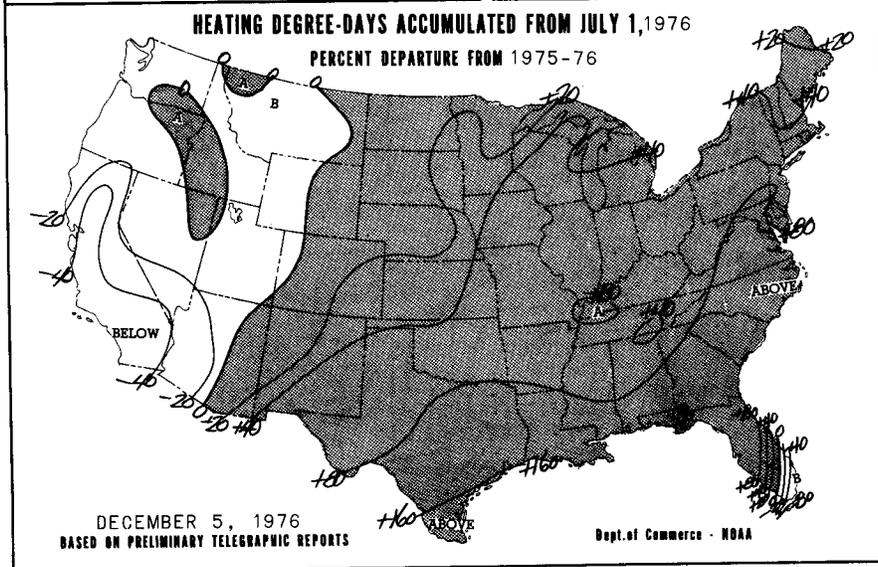
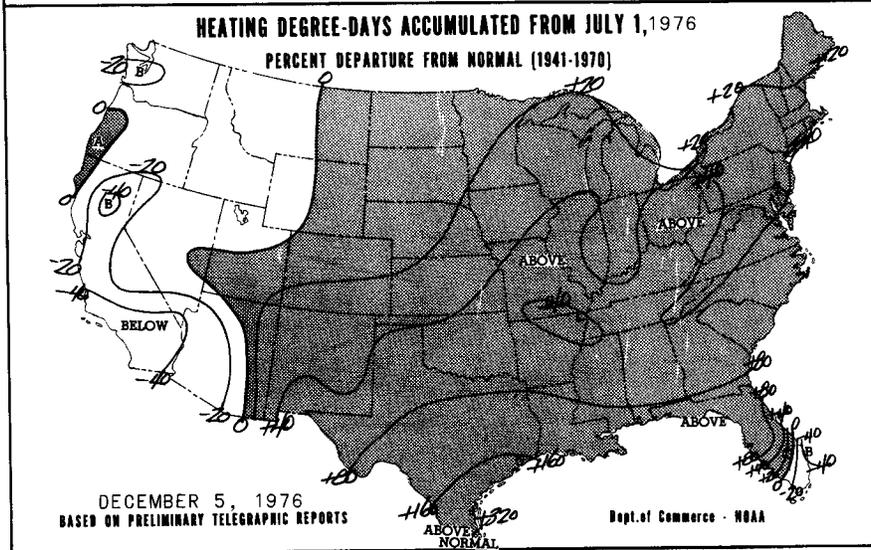
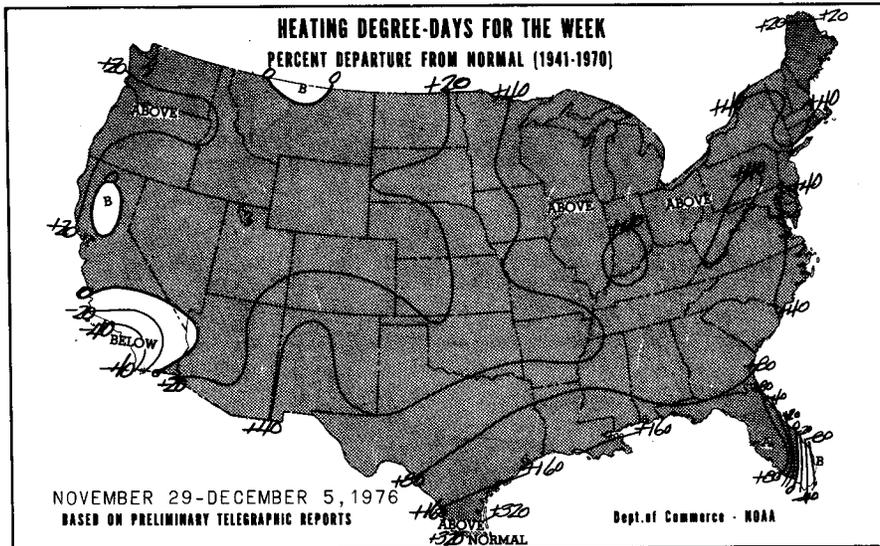
Heating Degree Days (Base 65° F.)

November 1976

ALA. Birmingham . . .	581	MAINE, Caribou . . .	1175	OKLA. Okla. City . . .	629
Mobile . . .	430	Portland . . .	858	Tulsa . . .	648
Montgomery . . .	502	MD. Baltimore . . .	716	OREG. Astoria . . .	503
ALASKA, Anchorage . . .	1028	MASS. Boston . . .	688	Burns U. . .	717
Barrow . . .	1869	Chatham . . .	741	Medford . . .	636
Fairbanks . . .	1466	MICH. Alpena . . .	1031	Pendleton . . .	660
Juneau . . .	717	Detroit . . .	938	Portland . . .	536
Nome . . .	1458	Flint . . .	943	Salem . . .	565
ARIZ. Flagstaff . . .	752	Grand Rapids . . .	999	PA. Allentown . . .	817
Phoenix . . .	112	Houghton Lake . . .	1049	Erie . . .	920
Tucson . . .	178	Lansing . . .	994	Harrisburg . . .	756
Winslow . . .	711	Marquette U . . .	1069	Philadelphia . . .	743
Yuma . . .	72	S. Ste. Marie . . .	1121	Pittsburgh . . .	953
ARK. Fort Smith . . .	682	MINN. Duluth . . .	1280	Scranton . . .	843
Little Rock . . .	603	Internatl Falls . . .	1359	R. I. Providence . . .	806
CALIF. Bakersfield . . .	193	Minneapolis . . .	1092	S. C. Charleston . . .	418
Eureka U. . .	375	Rochester . . .	1195	Columbia . . .	511
Fresno . . .	342	St. Cloud . . .	1249	Greenville . . .	605
Los Angeles U . . .	62	MISS. Jackson . . .	528	S. DAK. Aberdeen . . .	1149
Red Bluff . . .	200	Meridian . . .	553	Huron . . .	1181
Stockton . . .	255	MO. Columbia . . .	898	Rapid City . . .	991
San Diego . . .	39	Kansas City . . .	865	Sioux Falls . . .	1114
San Francisco . . .	231	St. Louis . . .	832	TENN. Chattanooga . . .	661
COLO. Denver . . .	759	Springfield . . .	797	Knoxville . . .	651
Grand Junction . . .	769	MONT. Billings . . .	885	Memphis . . .	581
Pueblo . . .	861	Glasgow . . .	1145	Nashville . . .	718
CONN. Bridgeport . . .	673	Great Falls . . .	845	TEX. Abilene . . .	575
Hartford . . .	794	Havre . . .	1037	Amarillo . . .	790
D. C. Washington . . .	652	Helena . . .	929	Austin . . .	402
FLA. Apalachicola . . .	307	Kalispell . . .	1002	Beaumont . . .	375
Ft. Myers . . .	62	Miles City . . .	1065	Brownsville . . .	177
Jacksonville . . .	327	Missoula . . .	974	Corpus Christi . . .	253
Key West . . .	0	NEBR. Grand Island . . .	944	Del Rio . . .	348
Lakeland U. . .	105	Lincoln . . .	979	El Paso . . .	601
Miami . . .	9	Norfolk . . .	1078	Fort Worth . . .	459
Orlando . . .	118	North Platte . . .	1028	Galveston U. . .	313
Daytona Beach . . .	168	Omaha . . .	947	Houston . . .	398
Tallahassee . . .	359	Valentine . . .	1094	Lubbock . . .	665
Tampa . . .	122	NEV. Ely . . .	842	Midland . . .	545
GA. Atlanta . . .	618	Las Vegas . . .	251	San Angelo . . .	518
Augusta . . .	490	Reno . . .	670	San Antonio . . .	382
Macon . . .	456	Winnemucca . . .	691	Victoria . . .	325
Savannah . . .	405	N. H. Concord . . .	962	Waco . . .	446
IDAHO, Boise . . .	720	N. J. Atlantic City . . .	757	Wichita Falls . . .	552
Lewiston . . .	638	Trenton U . . .	719	UTAH, Blanding R. . .	---
Pocatello . . .	811	N. MEX. Albuquerque . . .	726	Salt Lake City . . .	689
ILL. Cairo U. . .	720	Roswell . . .	663	VT. Burlington . . .	954
Chicago . . .	960	N. Y. Albany . . .	895	VA. Lynchburg . . .	719
Moline . . .	1038	Binghamton . . .	1014	Norfolk . . .	566
Peoria . . .	981	Buffalo . . .	921	Richmond . . .	660
Rockford . . .	1100	New York . . .	654	Roanoke . . .	735
Springfield . . .	905	Rochester . . .	879	WASH. Colville . . .	915
IND. Evansville . . .	786	Syracuse . . .	869	Omak . . .	---
Fort Wayne . . .	938	N. C. Asheville . . .	706	Quillayute . . .	561
Indianapolis . . .	904	Charlotte . . .	621	Seattle-Tacoma . . .	510
South Bend . . .	949	Greensboro . . .	687	Spokane . . .	871
IOWA, Burlington . . .	976	Hatteras R. . .	448	Walla Walla U. . .	650
Des Moines . . .	964	Raleigh . . .	668	Yakima . . .	769
Dubuque . . .	1106	Wilmington . . .	455	W. VA. Beckley . . .	914
Sioux City . . .	1062	N. DAK. Bismarck . . .	1152	Charleston . . .	814
KANS. Concordia . . .	870	Fargo . . .	1247	Huntington . . .	765
Dodge City . . .	753	Williston U . . .	1215	Parkersburg U. . .	807
Goodland . . .	884	OHIO. Akron-Canton . . .	948	WIS. Green Bay . . .	1152
Topeka . . .	881	Cincinnati U. . .	894	Madison . . .	1102
Wichita . . .	793	Cleveland . . .	932	Milwaukee . . .	1056
KY. Lexington . . .	829	Columbus . . .	925	WYO. Casper . . .	915
Louisville . . .	757	Dayton . . .	886	Cheyenne . . .	937
LA. Baton Rouge . . .	401	Toledo . . .	976	Lander . . .	933
Lake Charles . . .	376	Youngstown . . .	969	Sheridan . . .	949
New Orleans . . .	375				
Shreveport . . .	471				

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

*Estimated.



HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING DEC. 5, 1976.

STATES AND STATIONS	WEEKLY			SEASONAL ACCUMULATION +			STATES AND STATIONS	WEEKLY			SEASONAL ACCUMULATION +			STATES AND STATIONS	WEEKLY			SEASONAL ACCUMULATION +		
	TOTAL	DEPARTURE*	DEPARTURE FROM 1975-76	TOTAL	DEPARTURE*	DEPARTURE FROM 1975-76		TOTAL	DEPARTURE*	DEPARTURE FROM 1975-76	TOTAL	DEPARTURE*	DEPARTURE FROM 1975-76		TOTAL	DEPARTURE*	DEPARTURE FROM 1975-76			
ALA. BIRMINGHAM...	200	74	970	329	373	368	MAINE CARIBOU...	352	50	2783	324	437	YOUNGSTOWN.....	352	125	2086	613	748		
MOBILE.....	186	71	698	411	368	368	PORTLAND.....	311	68	2148	371	511	OKLA. OKLAHOMA CITY	188	35	1092	326	392		
MONTGOMERY.....	186	78	816	325	368	368	MD. BALTIMORE.....	265	82	1338	336	594	TULSA.....	201	47	1128	374	401		
ARIZ. FLAGSTAFF...	238	222	1770	222	53	53	MASS. BOSTON.....	268	74	1383	336	521	OREG. ASTORIA.....	183	36	1355	219	235		
PHOENIX.....	238	222	1770	222	53	53	MICH. ALPENA.....	380	118	2267	139	375	BURNS.....	208	28	1716	240	219		
TUCSON.....	238	222	1770	222	53	53	DETROIT.....	115	1966	462	630	MEDFORD.....	204	25	1218	62	133			
WINSLON.....	238	222	1770	222	53	53	FLINT.....	115	1966	462	630	PENDLETON.....	204	25	1218	62	133			
YUMA.....	238	222	1770	222	53	53	GRAND RAPIDS.....	115	1966	462	630	PORTLAND.....	204	25	1218	62	133			
ARK. FORT SMITH...	197	53	1160	463	424	321	HOUGHTON LAKE.....	115	1966	462	630	SALEM.....	204	25	1218	62	133			
LITTLE ROCK.....	184	40	1009	296	321	321	LANSHING.....	115	1966	462	630	PA. ALLENTOWN.....	298	86	1638	339	594			
CALIF. BAKERSFIELD	291	11	1263	456	193	87	MARQUETTE.....	115	1966	462	630	ERIE.....	111	87	1876	313	553			
FRESNO.....	291	11	1263	456	193	87	MUSKEGON.....	115	1966	462	630	HARRISBURG.....	111	87	1876	313	553			
LOS ANGELES.....	291	11	1263	456	193	87	S. STE. MARIE.....	115	1966	462	630	PHILADELPHIA.....	204	25	1218	62	133			
RED BLUFF.....	291	11	1263	456	193	87	MINN. DULUTH.....	452	133	2930	456	434	PITTSBURGH.....	204	25	1218	62	133		
SAN DIEGO.....	291	11	1263	456	193	87	INTERNAT. FALLS.....	115	1966	462	630	SCRANTON.....	204	25	1218	62	133			
SAN FRANCISCO.....	291	11	1263	456	193	87	MINNEAPOLIS.....	115	1966	462	630	R.I. PROVIDENCE...	301	95	1723	441	603			
STOCKTON.....	291	11	1263	456	193	87	ROCHESTER.....	115	1966	462	630	S.C. CHARLESTON...	138	43	701	274	376			
COLO. DENVER.....	223	11	1582	104	75	75	ST. CLOUD.....	115	1966	462	630	COLUMBIA.....	138	43	701	274	376			
GRAND JUNCTION...	223	11	1582	104	75	75	MISS. JACKSON.....	181	81	847	378	GREENVILLE.....	201	61	1085	390	487			
PUEBLO.....	223	11	1582	104	75	75	MD. COLUMBIA.....	181	73	920	385	352	S. DAK. ABERDEEN...	365	60	2260	194	431		
CONN. BRIDGEPORT...	260	73	1332	297	501	318	KANSAS CITY.....	181	88	1631	537	566	HURON.....	365	60	2260	194	431		
HARTFORD.....	260	73	1332	297	501	318	ST. LOUIS.....	181	88	1631	537	566	RAPID CITY.....	365	60	2260	194	431		
DEL. WILMINGTON...	251	65	1334	308	524	588	SPRINGFIELD.....	181	88	1631	537	566	ST. JOHNS FALLS...	365	60	2260	194	431		
D.C. WASHINGTON...	243	74	1160	300	588	588	MONT. BILLINGS...	181	88	1631	537	566	TENN. CHATTANOOGA...	219	68	1117	313	315		
FLA. PALM BEACH...	117	57	524	292	289	289	GLASSBORO.....	181	88	1631	537	566	KNOXVILLE.....	219	68	1117	313	315		
DAYTONA BEACH...	117	57	524	292	289	289	GREAT FALLS.....	181	88	1631	537	566	MEMPHIS.....	219	68	1117	313	315		
FORT MYERS.....	117	57	524	292	289	289	HELENA.....	181	88	1631	537	566	NASHVILLE.....	219	68	1117	313	315		
JACKSONVILLE...	117	57	524	292	289	289	KALISPELL.....	181	88	1631	537	566	TEXAS. ABILENE...	170	57	982	459	434		
KEY WEST.....	117	57	524	292	289	289	MILES CITY.....	181	88	1631	537	566	AMARILLO.....	170	57	982	459	434		
LAKELAND.....	117	57	524	292	289	289	MISSOULA.....	181	88	1631	537	566	AUSTIN.....	170	57	982	459	434		
MIAMI.....	117	57	524	292	289	289	NEBR. GRAND ISLAND...	291	52	1797	317	230	BEAUMONT.....	170	57	982	459	434		
ORLANDO.....	117	57	524	292	289	289	LINCOLN.....	291	52	1797	317	230	BROADSVILLE.....	170	57	982	459	434		
TALLAHASSEE.....	117	57	524	292	289	289	NORFOLK.....	291	52	1797	317	230	CORPUS CHRISTI...	170	57	982	459	434		
TAMPA.....	117	57	524	292	289	289	NORTH PLATTE.....	291	52	1797	317	230	DEL RIO.....	170	57	982	459	434		
N. H. CONCORD.....	244	32	1457	26	69	69	OMAHA.....	291	52	1797	317	230	FORT WORTH.....	170	57	982	459	434		
GA. ATLANTA.....	201	67	1057	388	484	484	VALENTINE.....	291	52	1797	317	230	GALVESTON.....	170	57	982	459	434		
AUGUSTA.....	201	67	1057	388	484	484	NEV. ELY.....	200	21	2049	270	156	HOUSTON.....	170	57	982	459	434		
Macon.....	201	67	1057	388	484	484	RENO.....	200	21	2049	270	156	LUBBOCK.....	170	57	982	459	434		
SAVANNAH.....	201	67	1057	388	484	484	LAS VEGAS.....	200	21	2049	270	156	MIDLAND.....	170	57	982	459	434		
IDAHO. BOISE.....	244	32	1457	26	69	69	WINNEBUCCA.....	200	21	2049	270	156	SAN ANGELO.....	170	57	982	459	434		
LEWISTON.....	244	32	1457	26	69	69	N. H. CONCORD.....	348	100	2255	501	395	SAN ANTONIO.....	170	57	982	459	434		
POCATELLO.....	244	32	1457	26	69	69	N. J. ATLANTIC CITY...	277	93	1497	471	467	VICTORIA.....	170	57	982	459	434		
ILL. CATO.....	248	87	1308	500	585	585	TRENTON.....	274	91	1417	407	623	WACO.....	170	57	982	459	434		
CHICAGO.....	248	87	1308	500	585	585	N. MEX. ALBUQUERQUE...	277	91	1417	407	623	WICHITA FALLS...	170	57	982	459	434		
MOLINE.....	248	87	1308	500	585	585	ROSWELL.....	277	91	1417	407	623	UTAH. SALT LAKE CITY	239	16	1340	141	42		
PEORIA.....	248	87	1308	500	585	585	N. Y. ALBANY.....	336	96	1995	433	677	VT. BURLINGTON...	344	85	2256	430	668		
ROCKFORD.....	248	87	1308	500	585	585	BINGHAMTON.....	336	96	1995	433	677	VA. LYNCHBURG...	239	69	1309	355	503		
SPRINGFIELD.....	248	87	1308	500	585	585	BUFFALO.....	336	96	1995	433	677	NORFOLK.....	239	69	1309	355	503		
IND. EVANSVILLE...	249	62	1380	346	461	461	NEW YORK.....	336	96	1995	433	677	RICHMOND.....	239	69	1309	355	503		
FORT WAYNE.....	249	62	1380	346	461	461	ROCHESTER.....	336	96	1995	433	677	ROANORE.....	239	69	1309	355	503		
INDIANAPOLIS...	249	62	1380	346	461	461	SYRACUSE.....	336	96	1995	433	677	WASH. QUILLAYUTE...	180	19	1755	88	121		
SOUTH BEND.....	249	62	1380	346	461	461	N. C. ASHEVILLE...	241	73	1413	388	481	SEATTLE-TACOMA...	180	19	1755	88	121		
IOWA. BURLINGTON...	324	132	1945	591	739	739	CHARLOTTE.....	241	73	1413	388	481	SPOKANE.....	180	19	1755	88	121		
DES MOINES.....	324	132	1945	591	739	739	GREENSBORO.....	241	73	1413	388	481	HALLA HALLA.....	180	19	1755	88	121		
DUBUQUE.....	324	132	1945	591	739	739	HATTERAS.....	241	73	1413	388	481	YAKIMA.....	180	19	1755	88	121		
SIOUX CITY.....	324	132	1945	591	739	739	RALEIGH.....	241	73	1413	388	481	W. VA. BECKLEY...	282	74	1935	534	838		
KANS. CONCORDIA...	278	61	1587	344	403	403	WILMINGTON.....	241	73	1413	388	481	CHARLESTON.....	282	74	1935	534	838		
DOGGE CITY.....	278	61	1587	344	403	403	N. DAK. BISMARCK...	346	33	2342	121	181	HUNTINGTON.....	282	74	1935	534	838		
GOODLAND.....	278	61	1587	344	403	403	HILLSTON.....	346	33	2342	121	181	PARKERSBURG.....	282	74	1935	534	838		
TOPERA.....	278	61	1587	344	403	403	OHIO. AKRON-CANTON...	348	124	2032	618	819	WIS. GREEN BAY...	431	154	2488	561	637		
WICHITA.....	278	61	1587	344	403	403	CINCINNATI.....	348	124	2032	618	819	LACROSSE.....	431	154	2488	561	637		
KY. LEXINGTON.....	277	90	1589	530	581	581	CLEVELAND.....	348	124	2032	618	819	MADISON.....	431	154	2488	561	637		
LOUISVILLE.....	277	90	1589	530	581	581	COLUMBUS.....	348	124	2032	618	819	MILWAUKEE.....	431	154	2488	561	637		
LA. BATON ROUGE...	155	83	621	297	284	284	DAYTON.....	348	124	2032	618	819	WYO. CASPER.....	297	42	1981	34	173		
LAKE CHARLES...	140	77	617	350	328	328	TOLEDO.....	348	124	2032	618	819	CHEYENNE.....	297	42	1981	34	173		
NEW ORLEANS.....	140	77	617	350	328	328						LANDER.....	297	42						



FIRST CLASS MAIL

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HARVESTING PROGRESS

Percent of Acreage Harvested
As of December 5

cotton

	1976	1975	Avg.
Ala.	85	81	89
Ark.	96	$\frac{1}{1}$	$\frac{1}{1}$
Ga.	81	$\frac{1}{1}$	$\frac{1}{1}$
La.	99	92	86
Miss.	97	81	89
Mo.	100	$\frac{1}{1}$	$\frac{1}{1}$
N. C.	91	91	87
Okla.	80	25	$\frac{1}{1}$
S. C.	89	90	$\frac{1}{1}$
Tenn.	99	$\frac{1}{1}$	$\frac{1}{1}$
Tex.	60	66	49
11-States	78	71	61

These 11 States produced 68% of
the Nation's cotton in 1975.

1/Data not available.

