

Weekly Weather & Crop Bulletin

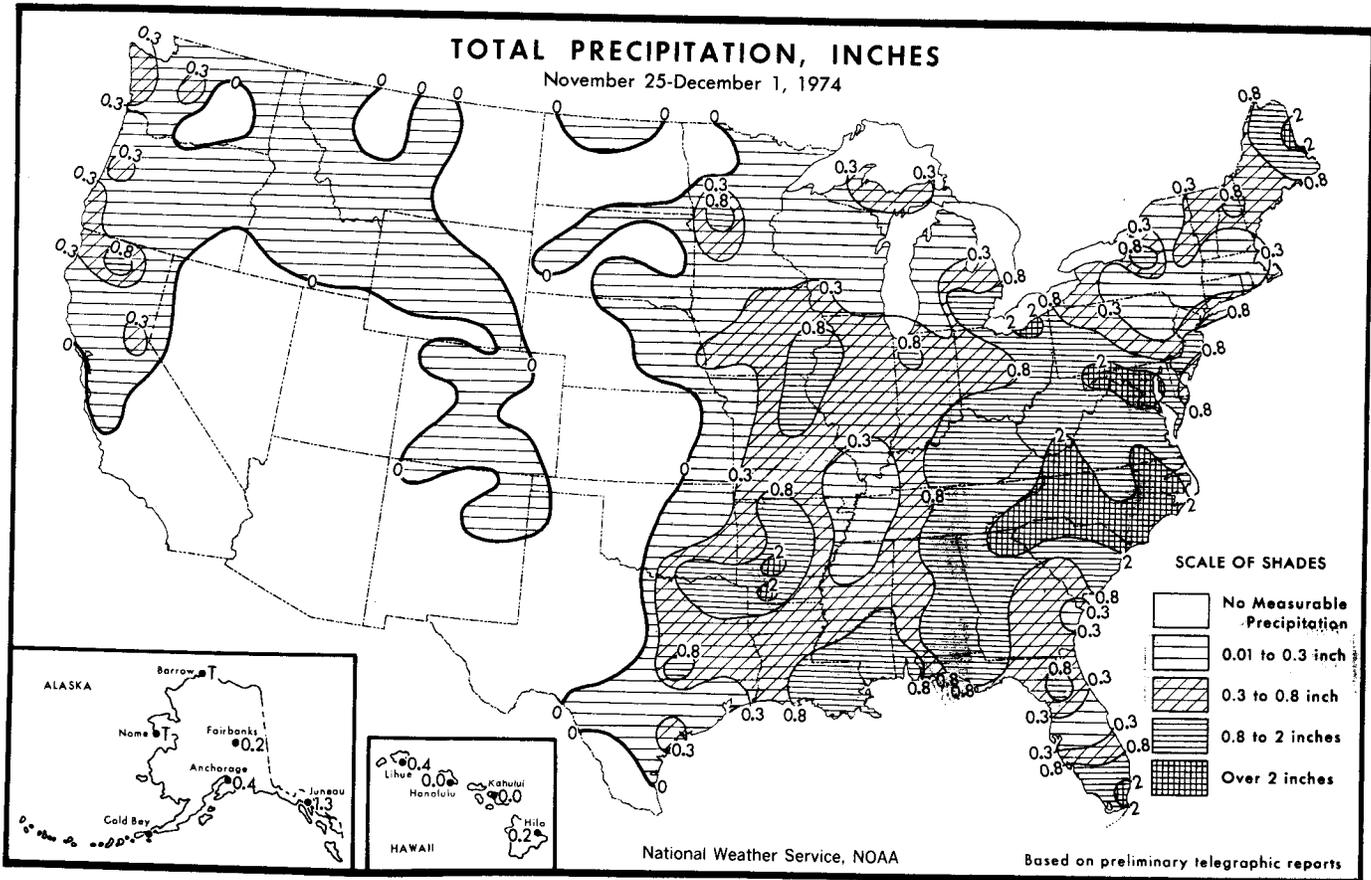
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NATIONAL WEATHER SUMMARY

For Week of November 25-December 1

HIGHLIGHTS: Wintery snow storms and icy rains fell across the Nation's eastern half last week.

Snow blanketed New England early in the week and Ohio, Pennsylvania and the Virginia Mountains later in the week.

Most of the Nation's western half received little or no precipitation.

Brisk air and frosty temperatures averaging well below normal covered most of the Nation last week. Freezing temperatures extended as far south as the Gulf Coast and westward to the Washington Coast down through central California and central Arizona.

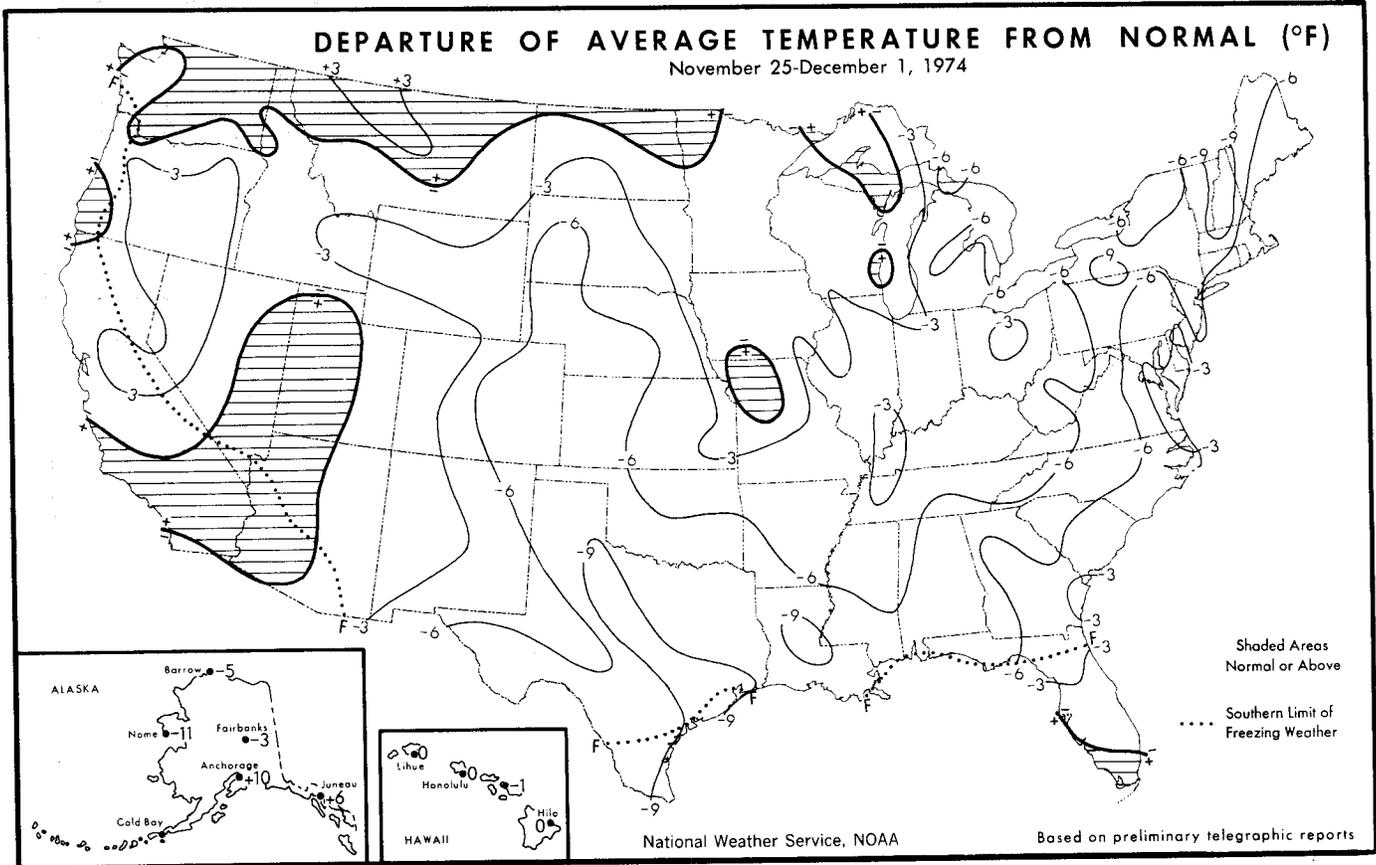
PRECIPITATION: A large low pressure system and trailing cold front dumped heavy snow across much of the Northeast at the beginning of the week, while another cold front invaded the West Coast. During the week the front inched across the Nation triggering additional snow across the Midwest and Northeast.

Widespread precipitation totaling over 2.00 in. soaked much of North Carolina while rain averaging over 1.00 in. dampened many mid-Atlantic and southeastern States.

Early Monday, a cold frontal system produced light rain along the central and northern Pacific Coast. By evening rain fell over much of the East Coast from South Carolina into New Jersey. Late Monday up to 3 in. of snow fell in sections of Pennsylvania while much of New England measured 1 to 3 in.

A low pressure system brought arctic air and snow to the Northeast early Tuesday morning. Between 2 and 3 in. fell in Pennsylvania, New York, and New England. Later in the day Houlton, Maine measured 11 in. of snow; Newport, Vt. reported 5 in. on the ground and Buffalo, N.Y. 3 in.

An intense low over Nova Scotia spread snow from northern New England to the northern Appalachians with heavy amounts in the northern and eastern portions of Maine.



Wednesday, the cold front moving from the west triggered scattered snow during pre-dawn hours in Wisconsin, Illinois, and the upper Michigan Peninsula. Meanwhile, another cold front brought light rain into the Pacific Northwest.

Scattered snow fell during early morning hours on Thursday from the northern Rockies across the Plains into the Great Lakes and eastern Ohio Valley. Snow squalls off Lake Michigan dumped 3 in. of snow.

Friday, a heavy snowfall covered much of Missouri. Springfield, Mo. reported 6 in., Columbia, 4 in. and Kirksville, 4 in. The snow band extended as far south as Tulsa, Okla. where there was 2 in. and Fort Smith, Ark. with 1 in.

A trough of low pressure from the eastern Gulf Coast into the mid-Mississippi Valley produced a broad belt of rain and snow on Saturday. A late evening snow storm left 4 to 10 in. over most of Iowa, northwestern Illinois and portions of Missouri.

By Sunday, snow depths of up to 9 in. were reported in Missouri, Iowa, Michigan, Illinois and West Virginia. Thunderstorm activity in the southeast diminished after midnight while thunderstorms still rumbled along the mid-Atlantic Coast to southern Florida.

TEMPERATURE: Frontal systems moving across the Nation from the West Coast pulled cold Canadian air down behind them and kept most of the Nation cooler than normal for the entire week. Cool temperatures averaging 6 to 9° below normal were reported in New England, the Great Lakes Region and the Great Plains extending through Texas and across the Gulf Coast area.

much of the Nation on Tuesday morning. However, Alpena, Mich. dipped to 10°, setting a record for the date. Readings in the 30's even reached south to Brownville, Texas and along parts of the Gulf Coast.

Wednesday, a high pressure center over northern Virginia brought clear skies and arctic air to most of the East. Richmond, Va. set a new record low for this date with 14°. Records also fell at Columbia, S.C. with 21°; Baltimore International Airport with 18°; and Atlantic City, N.J. with 17°.

A heavy snow cover over northern New England on Thursday kept readings in the 20's while the thirties prevailed in the Plateau and 40's and 50's held along the Pacific Coast. The coldest reading was 16° at Dickinson, N.D.

Friday, frigid arctic air trailing south behind a frontal system pushed freezing temperatures as far south as the southern border of New Mexico and into west central, Texas. The coldest air remained in the northern Rockies and Plains. Laramie, Wyo. dropped to 6° below and Bismark, N.Dak. dropped to 3° below zero before sunrise.

Freezing temperatures stretched from the New Jersey Coast to the southeast corner of Wisconsin and then plunged to mid-Texas Saturday.

Early Sunday morning freezing temperatures again reached to the Gulf Coast in some isolated areas and from western Florida to Texas.

Monday, clear skies and arctic air combined to drop morning temperatures below 10° in Minnesota and eastern North Dakota. International Falls, Minn. reported the Nation's coldest reading with a wintry zero degrees at daybreak.

Temperatures fell into the 20's and 30's across

NATIONAL AGRICULTURAL SUMMARY

For Week of November 25-December 1

HIGHLIGHTS: Harvest of corn and soybeans advanced to 92% complete despite varying amounts of precipitation over the Nation's eastern half. Corn and soybean harvest lagged behind last year's schedule but about equaled average progress. The winter wheat crop remained mostly good to excellent but lacks adequate snow cover in some northern States.

SMALL GRAINS: Winter wheat prospects stayed bright, although inadequate snow cover in some northern areas and spotty stands in sections of the Northwest were discouraging. Fall and winter seeding of wheat and oats was virtually complete except in some southeastern States. Many fields in the Central and Southern Plains provided good grazing. In Kansas wheat pasturing increased as fields dried. Nebraska's winter wheat crop was mostly fair to good but soil moisture supplies were short across that State.

Poor snow cover in South Dakota and Montana left wheat vulnerable to low temperatures. Some late plantings in the Northwest emerged to spotty stands resulting from insufficient soil moisture at planting time.

Limited seeding of small grains continued in some southern and southeastern fields. Crops in these areas responded favorably to recent rain making good growth.

CORN: Harvest of remaining corn acreages advanced favorably before rain, snow and the resulting soft fields slowed harvesters. The Nation's corn harvest was 92% complete, off last year's earlier pace but about average.

Corn Belt harvest was 91% complete versus 97% in 1973 and the 92% average. Harvest was 93% done in Iowa and 90% in Illinois. Harvest was essentially complete in Minnesota, Nebraska and South Dakota. Harvest lagged in Indiana, Michigan, and Wisconsin with 75%, 80% and 85% harvested, respectively.

Corn harvest was over 95% done in the South Central and South Atlantic regions.

COTTON: Wet fields prevented rapid cotton harvest although producers picked large quantities in some areas. Farmers in 11 States from Texas eastward had picked 60% of the crop. Harvest progress was well behind last year's good pace and moderately behind average. Rains and damp weather deteriorated crop quality and hampered opening of late bolls.

The Texas crop was only 40% picked, well behind 59% in 1973 and off the usual pace of 46%. Mississippi was 79% done against the 88% usual. Arkansas farmers have picked 73% of the crop compared with 89% last year. In Georgia and the Carolinas 90% or better was harvested.

In the Far West, California cotton farmers were in the final stages of harvest. Arizona's crop was 80-90% picked in central and western

sections and nearing 50% south central and southern areas.

SOYBEANS: The Nation's soybean harvest was 92% complete, slightly behind a year earlier but equal to average. Combining is 97% complete in the Corn Belt. Many States in this region are done, but significant acreages in Indiana, Missouri and Kansas remain to be harvested.

Soybean harvest in South Central and South Atlantic States was 82% complete, slightly behind last year but just ahead of the usual harvest pace. Arkansas's harvest was 77% complete against 80% a year earlier. In Mississippi, combining equaled the usual pace with 80% harvested. Tennessee's crop was 83% harvested versus 90% in 1973 and the usual 87%. South Carolina farmers have combined 80% of their soybeans, slightly behind the 82% harvested in North Carolina.

OTHER CROPS: Sorghum grain combining was 96% finished in Texas compared with 99% in 1973 and the 94% average. Sorghum was 85% harvested in Kansas and 70% in Oklahoma which is behind average. The Nebraska harvest is mostly complete, earlier than the normal completion date.

Tobacco stripping was active in Kentucky and Tennessee. In Tennessee burley tobacco was 77% stripped against 89% for last year and normal. Burley markets opened in Virginia and Kentucky. The volume was fairly heavy in Kentucky but quality was below 1973.

The Louisiana sugarcane harvest was 67% complete compared with 62% in 1973 and 57% in 1972. In Florida, sugarcane harvest was active but slowed by rain.

FRUITS AND NUTS: Citrus harvest continues to increase in Texas where quality and size are excellent. Harvest of navel oranges, tangerines, tangelos, lemons, and grapefruit was active in California. Florida citrus grove condition continues very good.

Pecan harvest was 69% complete in Georgia and 65% finished in Mississippi. Although cold, wet weather hampered pecan harvest in Texas, the quality was good.

VEGETABLES: Various Arizona, California, Florida and Texas vegetable crops were marketed in good to seasonal supply. Cool weather slowed growth and maturity of Florida vegetables, except salad crops.

PASTURES AND LIVESTOCK: Livestock were mostly good to fair. Usual seasonal livestock activities occurred on schedule. Winter grazing supplies were good in many areas of the Central and Southern Plains and the South Central and South Atlantic States. Supplemental feeding increased seasonally in northern and western areas.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., Dec. 1, 1974

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 . . .	41	-7	.7	-.4	La. Baton Rouge . . .	47	-9	1.1	-0	Youngstown . . .	29	-6	1.2	+5
Mobile . . .	48	-7	1.6	+5	Lake Charles . . .	49	-8	.5	-.7	OKLA. Okla. City . . .	39	-6	.1	-.2
Montgomery . . .	44	-7	1.2	+2	New Orleans . . .	49	-8	1.6	+5	Tulsa . . .	39	-6	.2	-.2
ALASKA. Anchorage . . .	27	+10	.4	+1	Shreveport . . .	45	-7	.6	-.3	OREG. Astoria . . .	44	-1	.3	-2.1
Barrow . . .	-12	-5	T	-.1	MAINE. Caribou . . .	19	-6	1.5	+7	Burns . . .	28	-4	.1	-.3
Fairbanks . . .	-8	-3	.2	0	Portland . . .	28	-5	.5	-.6	Medford . . .	40	0	T	-.8
Juneau . . .	36	+6	1.3	+2	MD. Baltimore . . .	37	-4	2.1	+1.3	Pendleton . . .	37	-1	.1	-.3
Kodiak . . .	-	-	-	-	MASS. Boston . . .	35	-5	.3	-.8	Portland . . .	44	+1	.1	-1.3
Nome . . .	-1	-11	T	-.2	Chatham . . .	35	-5	.8	-.8	Salem . . .	40	-3	.3	-1.2
ARIZ. Flagstaff . . .	33	0	0	-.4	MICH. Alpena . . .	26	-5	.1	-.5	PA. Allentown . . .	32	-5	.2	-.7
Phoenix . . .	57	+1	0	-.1	Detroit . . .	29	-6	1.8	+1.3	Erie . . .	30	-5	.6	-.2
Tucson . . .	54	-1	0	-.2	Flint . . .	29	-4	.5	0	Harrisburg . . .	33	-5	.7	-.1
Winslow . . .	36	-2	0	-.1	Grand Rapids . . .	27	-6	.1	-.5	Philadelphia . . .	38	-3	.7	-.1
Yuma . . .	60	0	0	-.1	Houghton Lake . . .	24	-5	.2	-.3	Pittsburgh . . .	31	-5	1.3	+7
ARK. Fort Smith . . .	40	-6	.5	-.2	Lansing . . .	28	-5	.9	+4	Scranton . . .	31	-4	.2	-.5
Little Rock . . .	41	-5	.9	-.1	Marquette . . .	30	+1	.4	-.3	R.I. Providence . . .	33	-5	.1	-1.0
CALIF. Bakersfield . . .	52	0	0	-.2	Muskegon . . .	29	-5	.1	-.6	S.C. Charleston . . .	49	-4	1.1	+5
Eureka . . .	49	-1	.2	-1.3	S. Ste. Marie . . .	20	-7	.1	-.6	Columbia . . .	45	-5	1.6	+1.0
Fresno . . .	49	-1	0	-.4	MINN. Duluth . . .	20	-2	.2	-.2	Greenville . . .	40	-7	2.2	+1.4
Los Angeles . . .	61	+1	0	-.5	Internat'l Falls . . .	16	-1	.2	-.1	S.D. Aberdeen . . .	23	-1	T	-.1
Red Bluff . . .	48	-2	T	-.8	Minneapolis . . .	25	-1	.1	-.2	Huron . . .	23	-3	T	-.1
San Diego . . .	58	-1	0	-.4	Rochester . . .	24	-2	.2	0	Rapid City . . .	25	-6	T	-.1
San Francisco . . .	51	-2	T	-.7	St. Cloud . . .	22	-1	.2	0	Sioux Falls . . .	24	-3	.1	-.1
Stockton . . .	45	-4	T	-.5	MISS. Jackson . . .	45	-7	.7	-.4	TENN. Chattanooga . . .	37	-8	1.7	+6
COLO. Denver . . .	29	-7	.1	0	Meridian . . .	46	-5	1.0	-.1	Knoxville . . .	41	-4	1.1	+2
Grand Junction . . .	32	-2	T	-.1	MO. Columbia . . .	38	0	.8	+4	Memphis . . .	43	-4	.2	-.8
Pueblo . . .	30	-7	T	-.1	Kansas City . . .	38	0	.1	-.2	Nashville . . .	40	-4	.8	-.1
CONN. Bridgeport . . .	36	-5	.4	-.5	St. Louis . . .	35	-5	.6	0	TEX. Abilene . . .	41	-9	0	-.2
Hartford . . .	28	-7	T	-1.1	Springfield . . .	36	-5	.7	+1	Amarillo . . .	35	-7	T	-.1
D.C. Washington . . .	40	-3	2.1	+1.4	MONT. Billings . . .	32	+1	T	-.2	Austin . . .	47	-9	.1	-.4
FLA. Apalachicola . . .	52	-6	.4	-.4	Glasgow . . .	24	+1	T	-.1	Beaumont . . .	47	-10	.3	-.8
Daytona Beach . . .	61	-1	.2	-.2	Great Falls . . .	35	+4	T	-.2	Brownsville . . .	56	-9	T	-.3
Ft. Myers . . .	67	0	1.5	+1.3	Havre . . .	26	+2	T	-.1	Corpus Christi . . .	53	-9	.2	-.2
Jacksonville . . .	54	-4	.6	+2	Helena . . .	27	-1	.1	0	Del Rio . . .	49	-7	.1	0
Key West . . .	73	0	.9	+4	Kalispell . . .	29	+2	.1	-.3	El Paso . . .	42	-6	0	-.1
Lakeland . . .	62	-2	T	-.4	Miles City . . .	26	-1	0	-.1	Fort Worth . . .	45	-7	.4	0
Miami . . .	71	+1	3.9	+3.5	Missoula . . .	29	0	T	-.3	Galveston . . .	53	-7	T	-.8
Orlando . . .	62	-2	.2	-.2	NEBR. Grand Island . . .	26	-7	T	-.1	Houston . . .	49	-9	.2	-.8
Tallahassee . . .	48	-8	.8	0	Lincoln . . .	28	-5	.1	-.1	Lubbock . . .	39	-6	0	-.1
Tampa . . .	64	0	.1	-.4	Norfolk . . .	26	-4	T	-.1	Midland . . .	45	-4	0	-.1
W. Palm Beach . . .	68	-1	1.1	+7	N. Platte . . .	24	-7	T	-.1	San Angelo . . .	46	-6	0	-.1
GA. Atlanta . . .	42	-5	1.2	+3	Omaha . . .	30	-2	.5	+3	San Antonio . . .	48	-8	T	-.4
Augusta . . .	42	-8	.4	-.2	Valentine . . .	25	-4	T	-.1	Victoria . . .	51	-8	.3	-.2
Macon . . .	47	-5	.7	-.1	NEV. Ely . . .	31	+1	0	-.2	Waco . . .	46	-8	.3	-.2
Savannah . . .	51	-2	.2	-.4	Las Vegas . . .	49	0	0	-.1	Wichita Falls . . .	41	-8	0	-.3
HAWAII. Hilo . . .	73	0	.2	-3.4	Reno . . .	34	-2	T	-.2	UTAH. Blanding . . .	33	-1	0	-.2
Honolulu . . .	75	0	0	-.8	Winnemucca . . .	31	-3	T	-.3	Salt Lake City . . .	37	+2	T	-.4
Kahului . . .	73	-1	0	-.6	N.H. Concord . . .	23	-9	.2	-.7	VT. Burlington . . .	25	-6	.5	-.1
Lihue . . .	74	0	.4	-1.0	N.J. Atlantic City . . .	35	-6	.7	-.3	VA. Lynchburg . . .	36	-6	1.4	+7
IDAHO. Boise . . .	34	-2	.2	-.2	Trenton . . .	35	-6	1.2	+4	Norfolk . . .	45	-2	1.1	+4
Lewiston . . .	40	+2	T	-.3	N.MEX. Albuquerque . . .	37	-3	T	-.1	Richmond . . .	38	-6	2.0	+1.2
Pocatello . . .	28	-3	.2	0	Roswell . . .	40	-3	T	-.1	Roanoke . . .	36	-6	1.7	+1.1
ILL. Cairo . . .	41	-3	.3	-.7	N.Y. Albany . . .	26	-8	.2	-.5	WASH. Colville . . .	32	+1	.1	-.4
Chicago . . .	32	-3	.7	+2	Binghamton . . .	23	-9	.1	-.6	Omak . . .	32	+1	T	-.4
Moline . . .	31	-2	1.0	+6	Buffalo . . .	26	-8	.4	-.4	Quillayute . . .	42	0	.4	-3.0
Peoria . . .	31	-3	.6	+2	New York . . .	36	-6	.5	-.4	Seattle-Tacoma . . .	41	-2	.2	-1.2
Rockford . . .	29	-3	.4	-.1	Rochester . . .	27	-8	.3	-.3	Spokane . . .	32	0	.1	-.5
Springfield . . .	33	-3	.4	-.1	Syracuse . . .	30	-5	.8	0	Walla Walla . . .	37	-3	T	-.4
IND. Evansville . . .	37	-3	.6	-.2	N.C. Asheville . . .	37	-5	2.1	+1.4	Yakima . . .	36	+1	0	-.3
Ft. Wayne . . .	30	-5	.3	-.3	Charlotte . . .	39	-8	2.4	+1.7	W. Va. Beckley . . .	33	-4	2.2	+1.5
Indianapolis . . .	32	-4	.5	-.2	Greensboro . . .	38	-6	2.0	+1.4	Charleston . . .	35	-6	1.6	+9
South Bend . . .	32	-2	.4	-.2	Hatteras . . .	48	-4	2.0	+9	Huntington . . .	36	-5	1.6	+9
IOWA. Burlington . . .	30	-4	.9	+5	Raleigh . . .	39	-7	1.5	+8	Parkersburg . . .	35	-5	1.3	+7
Des Moines . . .	30	-1	.4	+1	Wilmington . . .	47	-5	3.0	+2.2	WIS. Green Bay . . .	27	-1	T	-.4
Dubuque . . .	27	-3	.6	+1	N. DAK. Bismarck . . .	18	-4	T	-.1	La Crosse . . .	28	-1	.3	0
Sioux City . . .	28	-2	.1	-.1	Fargo . . .	21	0	T	-.1	Madison . . .	28	-1	.2	-.2
KANS. Concordia . . .	32	-4	T	-.1	Williston . . .	21	-1	T	-.1	Milwaukee . . .	31	+1	.2	-.3
Dodge City . . .	32	-6	T	-.1	OHIO. Akron-Canton . . .	32	-3	1.8	+1.2	WYO. Casper . . .	27	-3	.1	0
Goodland . . .	28	-8	T	-.1	Cincinnati . . .	34	-5	1.0	+3	Cheyenne . . .	29	-3	T	-.1
Topeka . . .	33	-4	.2	-.1	Cleveland . . .	32	-4	2.5	+1.9	Lander . . .	24	-3	.1	0
Wichita . . .	36	-3	T	-.2	Columbus . . .	33	-3	.7	+1	Sheridan . . .	27	-2	T	-.2
KY. Lexington . . .	35	-5	1.2	+4	Dayton . . .	33	-3	.7	+1	P.R. San Juan . . .	80	+2	1.6	+4
Louisville . . .	36	-4	.9	+1	Toledo . . .	29	-5	1.4	+8					

Based on 1941 - 70 normals

CONDENSED STATE SUMMARIES

The Bulletin capsulizes nationally important weather and crop conditions. Every Monday SRS publishes more detailed data in State Weekly Weather and Crop Bulletins in cooperation with the National Weather Service, NOAA. Voluntary weather observers, crop reporters, and county extension agents contribute weekly observations for these reports.

ALABAMA: Mostly sunny and cold through the 29th with temperatures on morning of 26th falling to 18° at Valley Head and 22° just north of Birmingham. Light rain followed across the State on 30th with accumulations varying from 0.50 in. in some northern and western sections to well over 1.00 in. in central and eastern sections. Temperatures were cold on the 1st as light snow fell across the northern third of the State.

Harvest reaching final stages. About 12% cotton remained to be harvested, 15% last year. Second pickings and scrapping operations underway. Corn harvest 94% complete, slightly ahead year ago. Soybeans progress 90% harvested, 87% year earlier. Small grains good growth, some acreage could use additional moisture in south. Winter grazing crops favorable. Stockmen feeding hay many farms.

ARIZONA: Fair, dry weather. Minimum temperatures slightly below normal. Daytime temperatures 5 to 10° above normal beginning week, cooling near normal midweek. Light frost Salt River and Casa Grande Valleys 27th through 29th.

Cotton harvest 80-90% complete central western nearing 50% south central, southeastern. Sorghum harvest nearing completion southeastern, full swing central, western. Alfalfa hay good progress central and western. Sugarbeets good growth central, western. Tap root development good. Red chili harvest, Cochise. Harvest early fall lettuce Yuma-Salt River Valley. Lettuce, broccoli, cabbage good progress Yuma-Salt River Valley, thinning, weeding, cultivation continue. Lemon, grapefruit harvest peak Yuma-Salt River Valley. Cattle, sheep fair to good. Forage normal, water adequate.

ARKANSAS: Mild through week, much colder weekend. Average 36° north to 45° south. Departures from normal -4 to -9°. Rainfall first of week and again weekend. First snowfall of season with 1 to 3 in. accumulation northwestern portion. Wet soils delayed field activity until midweek. Soil moisture surplus. Cotton picking 73% complete, 89% in 1973. Unopened bolls deteriorated, rains reduced quality and yield. Soybeans 77% harvested, 80% in 1973. Rain-soaked fields and heavy frosts prevented rapid progress. Wheat seedings 82% complete. Oats seedings 97% complete.

CALIFORNIA: Storms, rain, sections northern California 24th, 25th and extreme northwest portion into 27th. Snow limited to higher mountains. Otherwise, fair weather covered State except night and morning fog Central Valley, some coastal valleys. Afternoon highs ranged upper 50's to 60's Central Valley, near 70 along central coast, and 70's in south coastal valleys, lower southeast desert areas. Lows generally above freezing Central Valley dropping below freezing some coastal range valleys. Weekly averages near normal all areas.

Small grain planting continues. Earlier planting good growth. Late sorghum corn harvest continues. Cotton harvest final stage. Fields shredded, worked for new crop. Sugarbeet good growth, harvest continues. Few Emperor table grapes remain for harvest. Pruning becoming

active deciduous fruit and nut orchards. Dormant spraying increasing. Date harvest continues, quality good. Navel orange harvest increased, color and maturity improve. Tangerine and tangelo picking continues active. Lemon and grapefruit harvests about seasonally normal. Avocado harvest about normal with good yields.

Broccoli, cauliflower moderate to good quality central coast. Carrots continue. Celery good supply Santa Maria area. Lettuce heavy Palo Verde Valley. Market tomatoes continue South Coast. Cool weather slowed new growth. Most areas report generous amount new feed, but supplemental feeding necessary to maintain livestock. Fall calving, lambing continues. Sheep on alfalfa fields in valleys. Some areas reporting increased yearling beef on pasture. Soil moisture, stock water supplies abundant.

COLORADO: Warm and windy early week, cooling sharply midweek. Scattered snows, mainly mountains and east, on Thanksgiving Day. One in. of snow common at lower elevations east portion. By end of week, maximum temperatures hovered in 20's and low 30's over much of State.

Late crop harvest continues. Corn grain 94% harvested, sorghum 93% combined. Winter wheat and barley fair to good. Livestock good, grazing crop residue where available. Range and pastures poor.

FLORIDA: Temperatures averaged near normal. Mild except cool 30th and 1st. Rainfall very light to zero except locally moderate in central and generally above normal in south Florida.

Moisture mostly adequate west and southeast coast areas, short elsewhere. Harvest of soybeans and cotton nearing completion. Small grains in west Florida improved, more moisture needed. Some seeding continues. Sugarcane harvest active but slowed by rain. Cooler weather beneficial to mature cane. Pastures condition drought to poor. Cattle and calves, fair to good. Citrus groves continue very good. Some areas need moisture. Color break good most early and midseason fruit.

Weather cool, cloudy, some rainfall over most vegetable areas. Temperatures ranged slightly above danger point in many areas. Cooler weather was beneficial to salad crops but slowed growth and maturity of tender crops. All vegetables continued to move in good volume. Sweet corn, squash, cukes, declining seasonally. Peppers, tomatoes, radishes, snap beans in full volume. All others increasing seasonally.

GEORGIA: Temperatures averaged 1 to 5° below normal. Sub-freezing temperatures over State, mornings of 28th and 29th except for lower coast. Light rains of 0.10 in. or less northwest portion 24th and 25th, otherwise no rain. Rain and much colder over the weekend with snow north portion night of 30th and 1st. Up to 3 in. snow mountains, and generally less than 1 in. elsewhere.

Soil moisture mostly adequate except short to very short southeast. Small grains 90% seeded. Pecans 69% harvested. Cotton 90% picked. Corn 92% combined. Soybean harvest 86% complete. Pastures mostly fair to good. Cattle good.

HAWAII: Weather favorable. Farm operations back to normal as fields dry with sunny periods. Crop progress improving but production low because of wet weather during previous weeks. Supply of some vegetables short. Bananas and papayas adequate. Pastures green forage growth good. Cattle good. Sugarcane harvest slowing. Fresh market pineapple harvest picking up.

IDAHO: Precipitation general occurring mainly as snow through midweek. Heaviest amounts north and southwest but all areas below normal. Temperatures varied little from normal with highs in mid-40's to mid-50's, and lows in the teens by the weekend.

Some winter wheat seeded north. Additional rain needed north for development winter wheat. Potato marketing active east. Winter ranges short. Hay supplies adequate. Cattle good. Movement of weaners and yearlings heavy.

ILLINOIS: Temperatures 2 to 5° below normal. Precipitation ranged from 0.33 in. southwest to 1.00 in. northwest. Snow northern two-thirds 29th through 1st, heaviest amounts northwest and central.

Corn harvest 90% complete, same as average, 1973 nearly complete end of November. Progress fair until weekend snowfall. Grain sorghum 80% harvested. Winter wheat seedings good to excellent. Plowing 1975 corn and soybean acreage 50% complete, 62% 1973, average 50%. Pastures supplying 30% roughage requirements, condition fair to good. Soil moisture 5% short, 84% adequate, 11% surplus. Fieldwork 5.5 days suitable.

INDIANA: Cool, wet week. Weekend snowstorm caused poor travel conditions and rain earlier in period slowed outdoor work. Temperatures averaged 4° below normal and ranged from 12 to 71°. Precipitation averaged 0.50 to 0.80 in.

Fieldwork averaged 4 days. Topsoil and subsoil moisture mostly adequate to surplus. Corn 75% harvested, 80% average, 95% in 1974. Soybeans 92% combined. Spring planted cropland 30% plowed, 50% in 1973.

IOWA: Temperatures 1 to 2° below normal most sections, 4° below normal southeast. Precipitation ranged from a little below normal northwest to three times normal southeast and fell mostly as snow with weekend storm.

Snow and freezing temperatures hampered fieldwork. Days suitable for fieldwork 4.5, average 6.0. Plowing for the 1975 crop 59% complete. Corn harvest 93% complete, average 89%. Mainly late planted, wet corn in east remains in the field. All other harvests complete except few late fields. Topsoil moisture 18% short, 80% adequate, 7% surplus.

KANSAS: Below normal temperatures, ranging 2° below east and north to 4° below normal southwest. Snow some areas late week, ranging from traces to 4 in. extreme southeast.

Rapid harvest of fall row crops first half of week. Sorghum grain 85% complete, 90% last year and average. Corn 95% complete, 90% last year and average. Soybeans 80% complete, 95% last year and average. Wheat pasturing increased as fields dried.

KENTUCKY: Generally cold weather. Rain early week and a mixture of rain and snow late week. Rainfall averaged around 1.00 in.

Rain and wet ground limited field activities. A little corn still in field. Approximately 10% soybeans still to combine. Tobacco stripping

active under generally favorable conditions. Burley markets opened Monday, volume fairly heavy, quality lower than 1973, price substantially higher, demand strong. Most livestock still on pastures. Grass growth slowed by cold weather.

LOUISIANA: Temperatures 4 to 9° subnormal. Extremes: 71° Lafayette and Winnfield, 29th, 25° Winnfield, 28th. Precipitation 29th and early 30th, 0.25 to 1.50 in.

Fieldwork 4.3 days possible. Soil moisture surplus north, adequate to surplus south. Wet fields slowed cotton and soybean harvest. Cotton 83% picked, slightly ahead of last year and 1972. Quality declining. Soybean harvest nearly 90% complete, 80% 1973, 85% 1972. Sugarcane harvest good progress, 67% complete, 62% 1973, 57% 1972. Oats and wheat good. Pastures supplying nearly average grazing. Supplemental feeding increasing. Cattle fair to good.

MARYLAND AND DELAWARE: Temperatures 2 to 6° below normal. Highs: Mid 50's to upper 60's. Lows: low teens to mid 20's except low of 2° Garrett County. Precipitation through Friday light ranging from trace to 0.75 in. Weekend started cold. Sunday cold, strong winds and heavy rains with heavy snowfall in mountains west.

Farmers busy with late harvest, routine chores and holiday celebration. Severe storm Sunday made livestock care very difficult.

MICHIGAN: Temperatures averaged 5 to 8° below normal lower and eastern upper, and near normal elsewhere. Precipitation, mostly snow, ranged from 0.10 to 0.50 in. over most of the State, but nearly 2.00 in. fell in the extreme southeastern lower peninsula. Snow depth up to 20 in. were reported in the southeast.

Snow and wet fields slowed corn harvesting. Soil moisture mostly adequate. Fieldwork averaged 4.1 days. Grain corn 80% harvested, below normal but ahead of 1972. Moisture content still high, some mold. Soybeans 99% harvested. Winter wheat doing very well. Fall plowing hampered by snow and wet fields. Pasture feed mostly short. Cattle generally on winter feed.

MINNESOTA: Temperatures averaged normal to 3° below normal. Extremes: Low 40's southwest to around zero in the northern third. Precipitation near normal over portions of the south central, southeast, northeast and ranged to traces in the northwest quarter. Snow on ground, traces to 2 in. over most of State and up to 6 in. at Virginia.

Farm work mostly care and management of livestock.

MISSISSIPPI: Widespread rain during first and last of week. Temperatures about normal. Extremes: 80 and 19°. Greatest 24-hour rainfall reported was 1.92 in. at Woodville.

Soil moisture adequate to excessive. Days suitable for fieldwork 3.1. Cotton 79% harvested, normal 88%. Soybeans 80% harvested, normal 80%. Corn 94% harvested, normal 93%. Winter wheat 96% planted. Pecans 65% harvested. Pastures and livestock mostly fair.

MISSOURI: Temperatures near or little below normal except for Boot Heel which averaged zero to 5° above normal. Rainfall generally light and spotty except southeast sections where totals varied from 0.50 in. to more than 1.00 in. Snow storm late in week spread from 4 to 10 in. of snow over area from southwest to northeast with amounts

25th, minus 8° at Saranac Lake Dec. 1st. Precipitation averaged below normal. Light snow fell over much of interior early week and again toward latter part.

NORTH CAROLINA: Temperatures averaged 3 to 5° below normal. Precipitation was below normal. Fieldwork averaged 3.7 days. Soil moisture 87% adequate Statewide. Pasture condition 87% fair to good. Labor supply adequate.

Corn 96% harvested, 1973 96%, average 79%.

Cotton 90% picked, 1973 88%, average 80%. Soybeans 82% combined, 1973 82%, average 60%. Sorghum grain 95% harvested, 1973 95%. Small grains planted 85%, 1973 84%. Lespedeza seed harvest virtually complete, 1973 93%.

NORTH DAKOTA: Temperatures slightly below normal. Extremes: 49° at Pretty Rock to minus 10° at Upham. Precipitation sub-normal all parts of State.

Absence of snow favorable for marketing and farm chores. Livestock under no weather stress. Pastures still open but furnishing little feed because of dry fall. Feed grains, particularly oats, being moved from surplus to deficit counties.

OHIO: Temperatures morning of 26th lowest this fall with 10° northwest. Temperatures in 50's southeast on 28th. Cloudy most of week. Snow north 26th, 27th, 30th, and 1st. Skies cleared 28th. Cloudy again 29th in advance of winter storm. Low pressure systems caused snow, rain, and sleet across State afternoon of 30th. Heavy snow evening of 30th and on the 1st totaled 10 to 15 in. north and 1 to 5 in. elsewhere.

By end of week most fields too wet for harvest of corn and soybean acreage.

OKLAHOMA: Temperatures averaged from 2° below normal northwest and central sections to 2° above normal east central section. Precipitation ranged from traces Panhandle to 1.17 in. southeast. Weekend cold with light to moderate precipitation some areas.

Harvest made good progress past week. Most seeding and reseeding small grains completed. Small grains mostly good as sunshine helped clear up yellowing in water-logged areas. Wheat providing good grazing. Sorghums 70% harvested, well behind the average of 88%. Cotton picking active 18% harvested. Crop ranges from poor to good. Peanuts now 84% combined, 90% normal. Soybean harvest active in eastern counties. Ranges held up well most areas. Cattle mostly good.

OREGON: Precipitation along coast ranged 1.42 to 2.83 in. Willamette Valley 0.86 to 1.29 in. Eastern, north central 0.20 to 0.50 in. Elsewhere, 0.10 in. or less. Temperatures normal. Lows in 30's west and teens, lower 20's east. Highs in upper 40's and lower 60's.

Most fall grain seedings completed. Some spotty stands of grain reported on dryland farms. Ryegrass and crimson clover are up but showing limited growth. Filbert and walnut harvest completed. Potatoes moving from sheds to fresh packaging and processing houses. Winter ranges and pastures short. Most livestock being fed hay. Regrowth on pastures and ranges beginning to develop.

PENNSYLVANIA: Cold, unsettled week. Temperatures averaged 3 to 7° below normal for coldest week since mid-February in spite of several sunny days. Extremes: 59 and 6°. First

major winter storm brought rain, freezing rain, snow, sleet, thunderstorms and winds gusting to 75 mph on 1st. Heaviest snows south central and southwest, measuring 6 to 18 in.

Farmers doing routine winter chores.

PUERTO RICO: Average rainfall 0.93 in., 0.32 in. below normal. Highest weekly total 2.64 in. at Maricao followed by 2.60 at Pico Del Este Luquillo. Highest 24 hour total 2.00 in. at Hacienda Constanza. Light, widespread shower activity and plenty of sunshine prevailed over the island during the week. Divisional temperatures averaged about 79° on coasts and 73° interior with mean temperatures ranging from 80° at Magueyes Island to 65° at Cerro Maravilla. Highest maximum 90°, lowest minimum 58°.

Favorable weather for sugarcane and young coffee trees. Coffee harvesting progressed well. Tobacco farms preparing soil for planting again as most small plants were lost to previous excessive rains. Pastures very good. Favorable weather for field operations in food crop sections.

SOUTH CAROLINA: Temperatures ranged from 6° below normal west central to 4° above normal south. Lowest temperatures of month resulted early 27th in central section with 20° recorded at Columbia. Rainfall occurred mainly night of 30th, with all locations receiving significant precipitation. Amounts varied, averaging 1.00 to 2.00 in.

Cotton, soybean, sorghum harvest continued until delayed by Saturday's heavy rain. About 80% soybeans, over 90% of cotton, sorghum harvested. Rain beneficial pastures, small grain. Planting small grains continues.

SOUTH DAKOTA: Temperatures averaged 3 to 6° below normal. Extremes: 65° Harrington and Martin 25th, minus 7° Camp Crook 29th. Light snow fell 28th and 29th; amount varied from trace to over 2.00 in. Moisture content generally less than 0.10 in. Winter wheat needs additional snow cover.

TENNESSEE: Generally fair weather through 29th. Light amounts of rain, sleet and snow on 30th and 1st. Temperatures averaged 3 to 5° below normal. Rainfall ranged from 0.50 in. to 2.00 in. with greatest amounts in plateau region.

Soybeans 83% harvested, 90% last year, 87% normal. Corn for grain 90% harvested, 93% last year and normal. Some too high moisture for storing. Cotton 78% picked, 88% last year, 84% normal. Bolls not opening. Burley tobacco 77% stripped, 89% last year and normal. Delayed by lack of moisture. Moving rapidly to market.

TEXAS: Late Friday, front brought coldest temperatures this season. Temperatures and rainfall below normal. Average rainfall 0.75 to 1.00 in. below normal central, 0.25 to 0.50 in. below normal western and eastern sections.

Harvest cotton, corn, sorghum resumed high, low plains making significant progress. Harvest corn, sorghum nearing completion on high plains. High moisture content, low test weights continue cause problems some localities on high plains. Seeding wheat, oats, flax resumed; nearing completion. Grazing wheat, oats improved most areas. Major crops percent planted: Wheat: 1974 98, 1973 99, average 99. Oats: 1974 98, 1973 99, average 98. Flax: 1973 79. Major crops percent harvested: Cotton: 1974 40, 1973 59, average 46. Corn: 1974 98, 1973 100, average 100. Sorghum: 1974 94, 1973 99, average 96. Soybeans: 1974 88, 1973 72, average 80. Peanuts: 1974 88, 1973 97, average 97.

High Plains: Late carrots continue to be dug. **Trans-Pecos:** Tomato harvest in full swing first part week in Hudspeth county. **San Antonio-Winter Garden:** Cabbage, beet harvest continues. Early spinach cutting underway. Light carrot digging also started. Tomato harvest nearing completion when frost killed most tomatoes on Monday. Green bean harvest complete. **Laredo:** Tomatoes making good growth at first of week. **Coastal Bend:** Strong winds caused some leaf damage to older spinach. Light harvest expected to begin about second week December. Cucumber harvest dwindling due to extremely cold temperatures. **Lower Rio Grande Valley:** Fair supplies of peppers and cucumbers remain available. Cabbage harvest continuing active despite low prices. Onion seeding still active as weather permits.

Pecan harvest hampered by cold, wet weather. Quality of crop in most areas reported good. Citrus harvest activity continues to increase. Gift fruit shipment picking up as Holiday Season nears. Fruit continues to be of excellent quality, size, moisture conditions remain adequate. Freezing temperatures did not reach the valley on either Saturday or Sunday.

Grazing continues improve high, low plains and livestock moving into grain fields increasing numbers. Grazing good to excellent southern half State, livestock also good to excellent. Small grain fields blacklands, east Texas too wet to graze following recent rain. Loss condition noticed east Texas because cold, wet weather.

UTAH: Weak cold front moved across much of State latter part of week, accompanied by only light precipitation but coldest temperatures of season in many localities. Average temperatures ranged from 2° below normal to 6° above.

Recent precipitation and warm temperatures resulted new grass growth lower elevations. Major activities were finishing fall plowing and other late fieldwork. Sugarbeet processing full swing at Garland. Sorting, grading, and marketing potatoes, dry onions, and apples from storage. Care and feeding cattle and sheep on winter range lands, valley farms and feedlots. Processing turkeys, in final three weeks.

VIRGINIA: Showers early in the week. At the end of the week heavy rain fell in the east while snow accumulated in the west. Extremes: 74 and 11°.

Topsoil moisture 74% adequate, 26% short. Fieldwork 4.3 days suitable. Corn harvest near end except west and southwest. Less than 10% soybeans remaining. Small grain seeding about over. **Burley** markets opened. Fire-cured open December 3. Sun-cured December 10. Pastures about normal. Winter feeding beginning. Cutting firewood, butchering, fence and building repairs, moving

cattle winter locations and getting ready for onset of winter. Farm-family activities for Thanksgiving period.

WASHINGTON: **West:** Average temperatures near normal. Extremes: 50's, 30's. Precipitation subnormal 0.10 to over 2.00 in.

Harvesting christmas trees, carrots. Major activities: pruning, tying canberries, fall plowing, liming, equipment maintenance and repair. Livestock on full winter feed.

East: Average temperatures subnormal. Extremes: 40's, 20's. Precipitation beginning of period up to 0.60 in.

Harvesting: Sugarbeets, field corn. Activities in orchards: Pruning, clean-up, repairing trellises, installing irrigation systems, controlling rodents. Other activities: Plowing, fertilizing, spraying for greenbugs. Late grain seedings continued emerging, spotty. Some seed have been in field too long and rotted. Reseeding may be done in the spring. Cattle grazing, stretching hay supplies. Livestock good although cattlemen were culling stock heavily.

WEST VIRGINIA: Temperatures well below normal. Temperatures fell from above normal on the 24th to near zero in the mountains by midweek, climbing to near normal by weekend. Precipitation above normal early week, rain in the lower elevations and snow in mountains.

Soil moisture adequate. Most farm activities indoors. Fall grains dormant. Livestock good. Tobacco stripping slowed by cool moist weather.

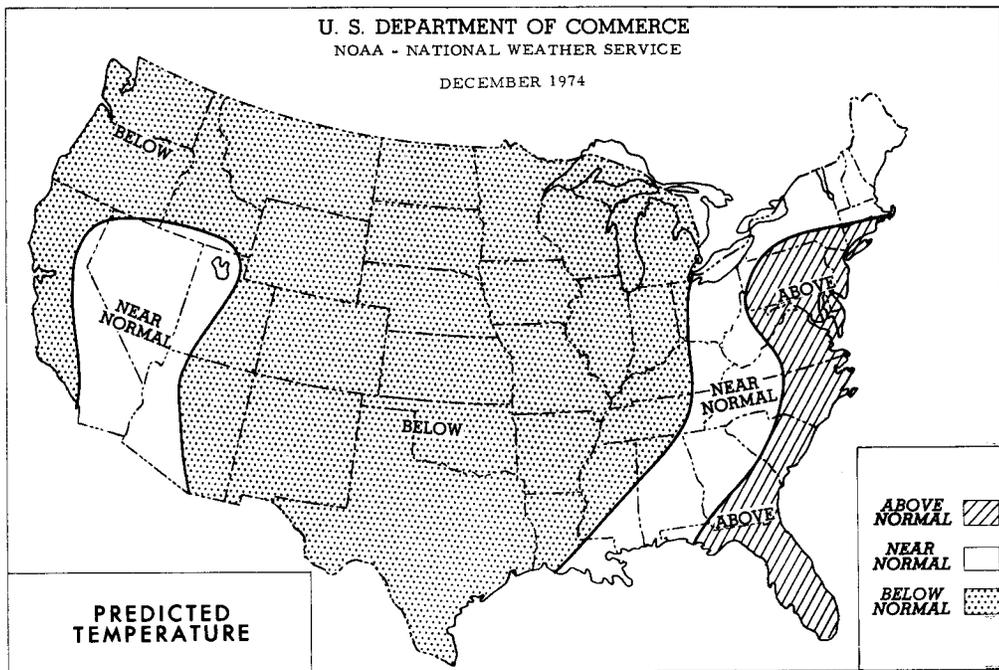
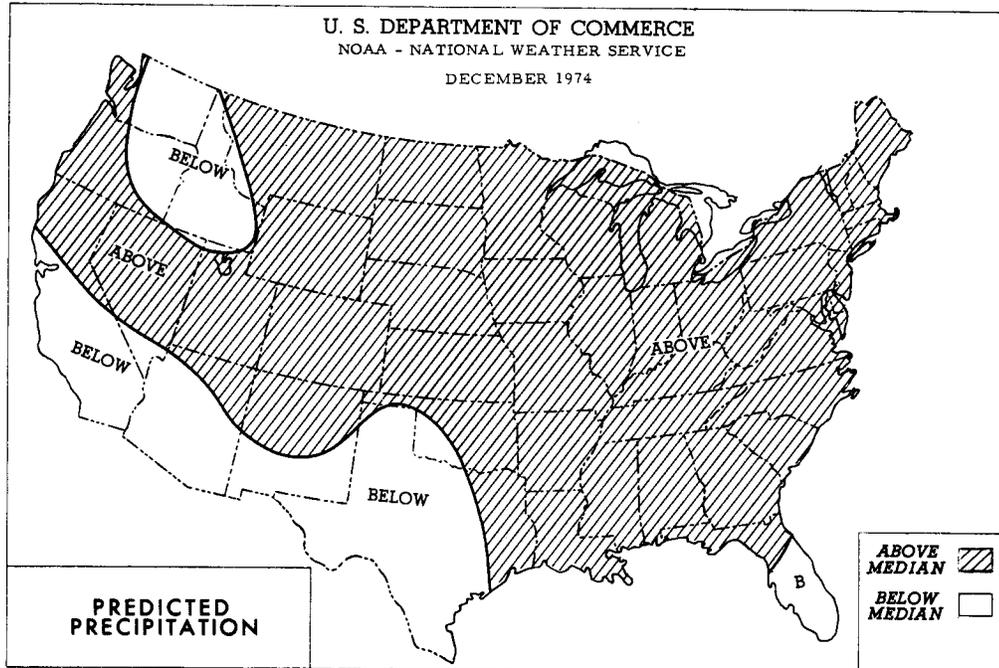
WISCONSIN: Snow most sections. Amounts generally quite light until midweek when 1 to 3 in. fell across north. Heavier amounts fell near Lake Superior and in Vilas County where Ashland and Eagle River had 5 to 6 in. A storm developed late in week and moved eastward through southern third of State. Snow was heaviest near the Illinois border where 4 in. fell and tapered off to about 1 in. around the La Crosse area. Temperatures averaged near normal, ranging from a high of 42° at Milwaukee to a low of 1° at Eagle River and Land O'Lakes.

About 15% of the corn for grain is still in the fields. All other crops are harvested and regular winter farm chores take up most of time.

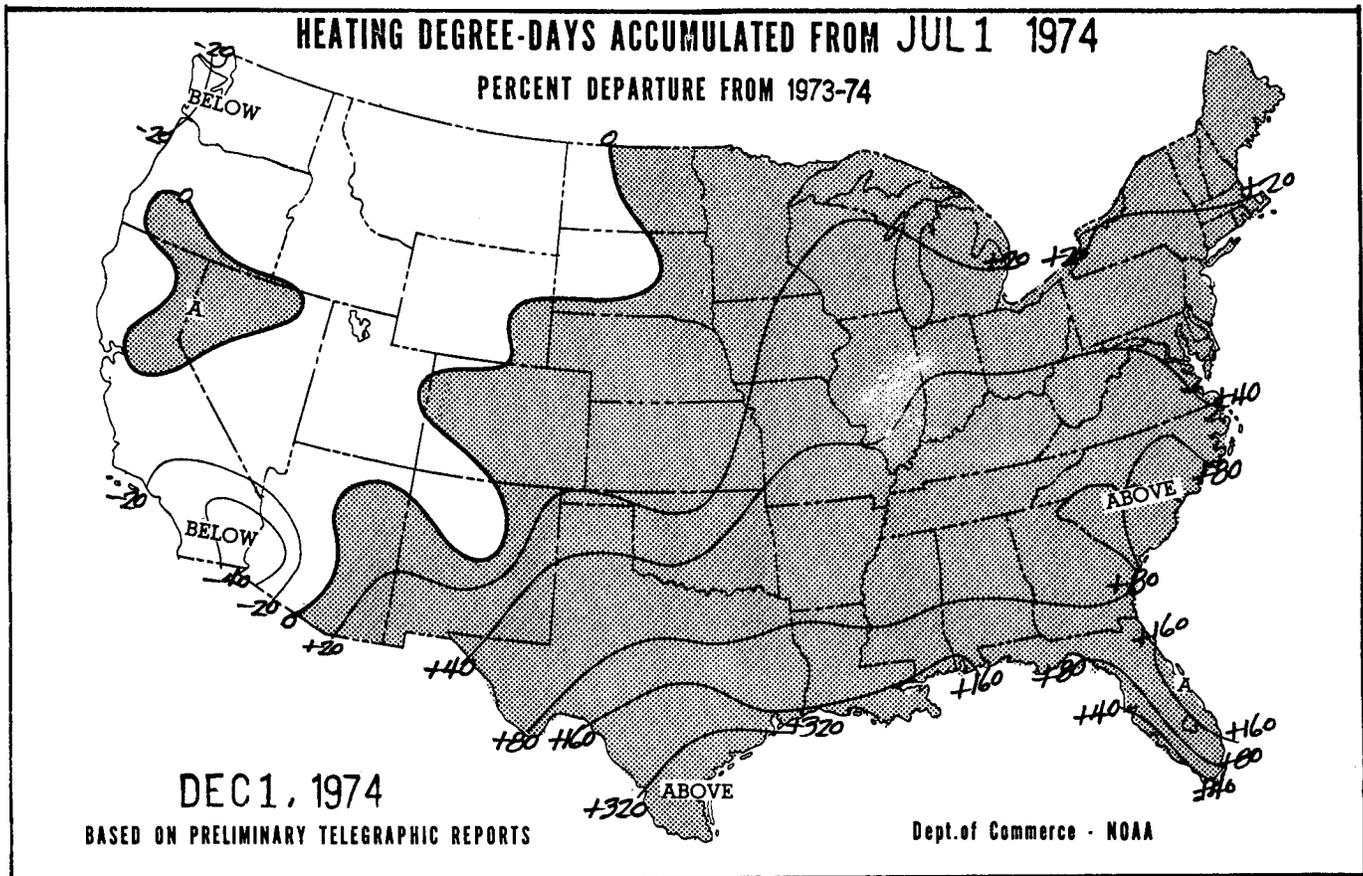
WYOMING: Temperatures above seasonal normals. Precipitation sparse, mostly under 0.25 in.

Mild weather permitted ranchers to conserve feed supplies. Only few ranchers supplementing range feed. Feed supplies adequate. Livestock good with no unusual death loss.

AVERAGE MONTHLY WEATHER OUTLOOK



These prognostic charts show the expected categories of average temperature and total precipitation for the period indicated. They are taken from the Weather Service's publication Average Monthly Weather Outlook which contains additional information necessary for complete interpretation.



THE HEATING DEGREE-DAY STATISTIC

Heating engineers developed the heating degree-day statistic as a useful integrator of temperature and fuel consumption early in the century. The heating degree-day statistic is a simple method, using only outdoor air temperature, and neglecting the other factors such as solar radiation and wind. Numerous studies have established the fact that when the daily mean air temperature is 65° or higher, most buildings require no heat to maintain an inside temperature of at least 70°.

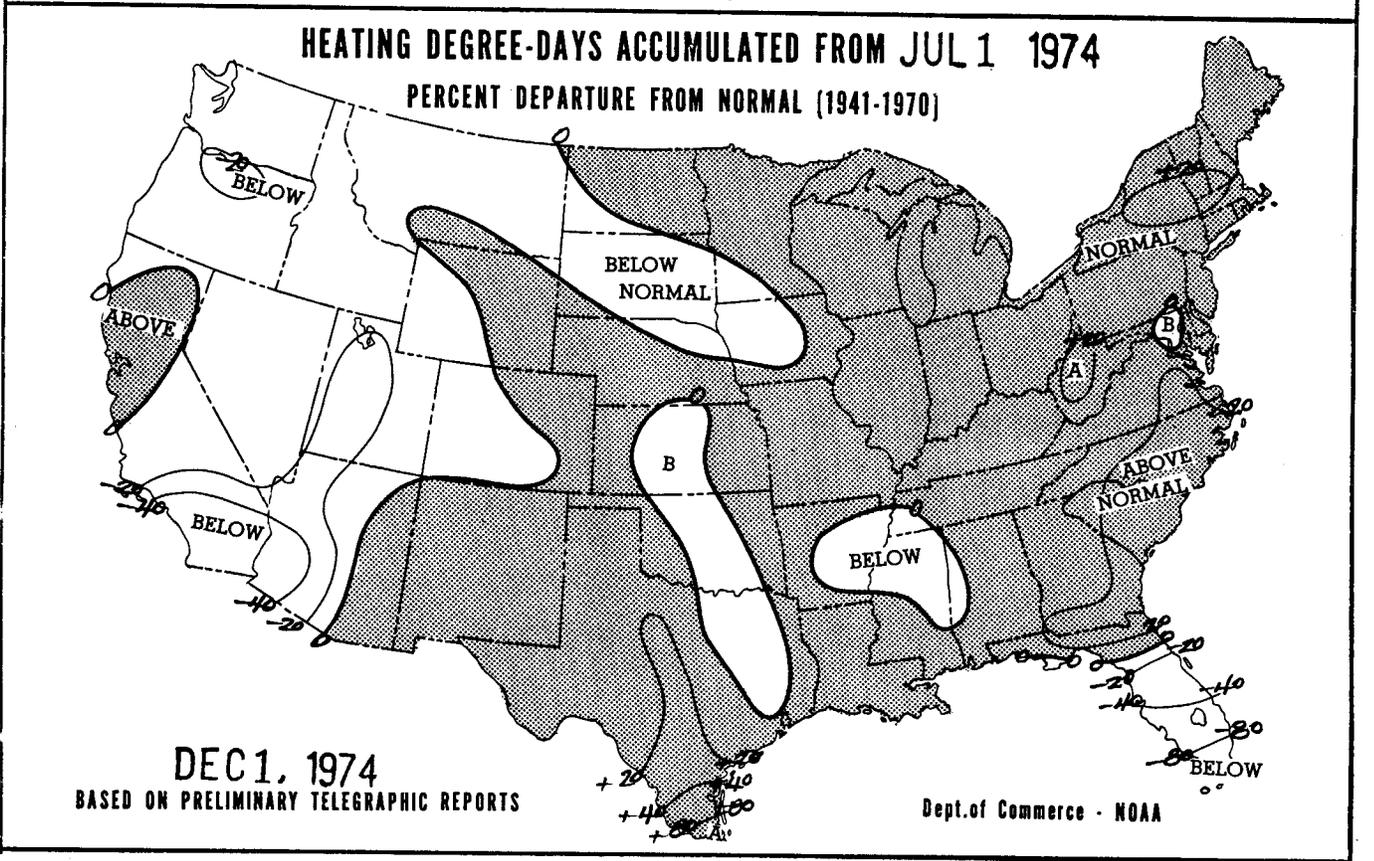
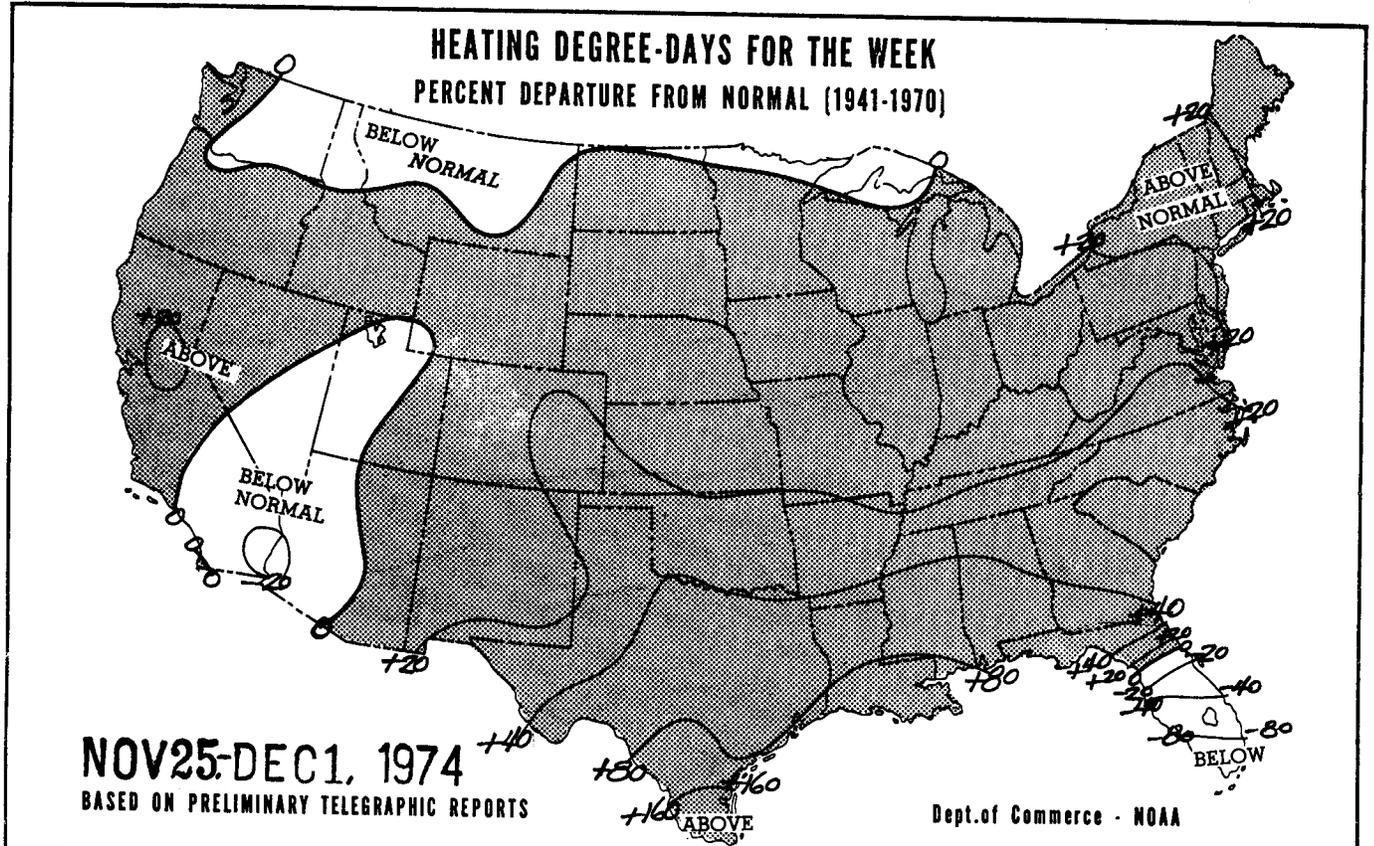
The daily degree-day statistic is calculated by subtracting the mean temperature for the day from a base temperature of 65° as follows:

$$65^{\circ} - \frac{\text{Max Temp} + \text{Min Temp}}{2.0} = \text{Daily Heating Degree-Days}$$

Thus, each degree of mean temperature below 65° is one degree-day unit. If the mean temperature is

45°, 20 heating degree-days would be accumulated. If the daily mean temperature were 25°, 40 degree-day units were accumulated. Twice as much fuel would be required on a day with 40 heating degree-days than a day with 20 heating degree-days. If the mean temperature is greater than 65°, the heating degree-day value is set equal to zero (0) for the day. The degree-days for any given period are obtained by totaling the degree-days for each day of the period.

As the maps are presented, a positive departure indicates that the heating degree-day accumulation is greater than the comparative value, so temperatures have been colder than anticipated and thus fuel consumption is greater than expected. Similarly, a negative departure indicates that conditions have been warmer than anticipated. Note the similarity in the weekly percent of normal departure and the temperature departure map on page 2.



Heating Degree Days (Base 65°) For Week Ending Dec. 1, 1974

States and Stations	Weekly		Seasonal + Accumulation			States and Stations	Weekly		Seasonal + Accumulation			States and Stations	Weekly		Seasonal + Accumulation		
	TOTAL	Departure*	TOTAL	Departure*	Departure From 1973-74		TOTAL	Departure*	TOTAL	Departure*	Departure From 1973-74		TOTAL	Departure*	TOTAL	Departure*	Departure From 1973-74
ALA. Birmingham . . .	164	48	587	36	212	Portland . . .	255	31	1666	- 65	102	Tulsa	178	36	668	26	198
Mobile	118	51	300	40	185	MD. Baltimore . . .	175	6	861	- 8	68	OREG. Astoria . . .	144	2	1320	-149	-338
Montgomery	147	52	463	50	200	MASS. Boston . . .	211	34	1178	172	194	Burns	258	26	1638	-145	-180
ARIZ. Flagstaff . . .	224	- 1	1639	-186	30	MICH. Alpena . . .	242	- 6	1944	5	253	Medford	176	4	1007	-144	26
Phoenix	56	- 8	140	- 69	19	Detroit	248	35	1445	166	328	Pendleton	196	10	997	-238	-174
Tucson	73	4	281	35	42	Flint	252	27	1513	49	271	Portland	147	- 7	900	-283	-173
Winslow	198	11	1002	49	13	Grand Rapids . . .	267	45	1708	328	471	Salem	172	18	1062	-136	-200
Yuma	33	- 9	61	- 54	71	Houghton Lake . . .	288	35	1943	48	285	PA. Allentown . . .	233	36	1267	122	281
ARK. Fort Smith . . .	177	44	664	71	231	Lansing	257	33	1622	198	312	Erie	247	37	1509	108	341
Little Rock	170	37	565	- 44	233	Marquette	246	- 6	1907	70	286	Harrisburg	222	36	1138	130	308
CALIF. Bakersfield . .	93	2	284	- 61	13	Muskegon	250	34	1543	127	275	Philadelphia	188	21	881	5	135
Eureka	113	11	1497	- 16	137	S. Ste. Marie . . .	312	45	2291	191	343	Pittsburgh	233	31	1170	- 71	180
Fresno	110	2	426	- 25	42	MINN. Duluth	313	9	2511	268	357	Scranton	239	31	1353	58	101
Los Angeles	44	- 4	131	-166	63	Internatl Falls . . .	332	- 3	2461	- 1	290	R. I. Providence . . .	225	35	1293	160	172
Red Bluff	118	13	498	61	59	Minneapolis	280	2	1776	11	287	S. C. Charleston . . .	107	21	453	95	252
San Diego	44	0	118	- 94	27	Rochester	286	12	1819	80	317	Columbia	145	39	546	77	275
San Francisco	98	12	698	14	76	St. Cloud	300	8	2074	159	350	Greenville	125	- 1	444	-149	- 86
Stockton	136	25	483	15	31	MISS. Jackson	139	47	421	15	180	S. DAK. Aberdeen . . .	292	3	1764	- 82	- 92
COLO. Denver	250	44	1431	105	162	Meridian	133	33	433	- 24	201	Huron	293	20	1668	- 23	26
Grand Junction	229	15	1119	- 53	52	MO. Columbia	222	36	1117	167	307	Rapid City	280	40	1605	- 13	- 59
Pueblo	241	42	1091	- 54	31	Kansas City	223	34	1071	124	247	Sioux Falls	286	18	1675	20	186
CONN. Bridgeport . . .	203	32	1014	115	280	St. Louis	211	35	1028	143	255	TENN. Chattanooga . .	191	50	828	133	293
Hartford	254	47	1430	186	340	Springfield	202	32	989	108	346	Knoxville	167	27	703	23	172
DEL. Wilmington	206	34	1001	110	312	MONT. Billings	231	- 6	1651	4	-106	Memphis	156	28	542	- 49	214
D. C. Washington . . .	173	18	740	3	217	Glasgow	281	- 12	1836	-172	-256	Nashville	175	29	738	28	317
FLA. Apalachicola . . .	90	37	172	- 16	78	Great Falls	213	- 28	1626	-165	-345	TEX. Abilene	162	58	533	92	236
Daytona Beach	31	- 5	81	- 22	51	Havre	269	- 20	1867	-220	-288	Amarillo	206	46	894	83	252
Ft. Myers	2	-15	13	- 34	1	Helena	265	3	2040	- 2	-167	Austin	116	49	292	38	196
Jacksonville	77	23	234	46	116	Kalispell	251	- 13	2099	-224	- 88	Brownsville	59	43	108	63	92
Key West	0	0	0	0	0	Miles City	272	- 7	1673	- 94	- 76	Corpus Christi	77	46	130	37	110
Lakeland	25	- 1	50	- 26	24	Missoula	250	- 5	1836	-241	-163	Del Rio	115	49	257	29	169
Miami	0	- 7	2	- 12	1	NEBR. Grand Island . .	266	40	1353	46	40	El Paso	159	37	600	88	154
Orlando	20	- 6	50	- 22	31	Lincoln	257	34	1256	31	74	Fort Worth	130	38	354	- 7	129
Tallahassee	122	56	355	110	195	Norfolk	268	26	1408	- 20	59	Galveston	76	38	142	19	118
Tampa	14	-13	45	- 30	13	North Platte	249	13	1569	75	5	Houston	88	36	165	- 2	97
W. Palm Beach	3	- 8	7	- 17	5	Omaha	201	- 16	1232	72	112	Lubbock	178	37	781	84	278
GA. Atlanta	155	31	583	11	191	Valentine	281	31	1592	1	48	Midland	137	28	461	8	105
Augusta	157	51	579	115	208	NEV.ELY	240	- 6	1813	- 92	-162	Beaumont	108	49	244	16	141
Macon	129	35	430	30	176	Las Vegas	110	- 3	372	- 76	- 29	San Angelo	142	48	394	9	183
Savannah	97	16	337	12	133	Reno	214	14	1458	- 9	48	San Antonio	123	62	302	82	205
IDAHO. Boise	218	14	1187	-144	26	Winnemucca	237	18	1587	- 41	86	Victoria	75	31	151	6	125
Lewiston	178	-14	1094	-219	181	N. H. Concord	292	63	1882	308	202	Waco	122	42	310	6	166
Pocatello	261	26	1596	- 44	34	N. J. Atlantic City . . .	207	38	1044	152	190	Wichita Falls	161	46	485	7	175
ILL. Cairo	167	17	732	41	237	Trenton	206	39	963	86	186	UTAH. Salt Lake C . . .	195	- 17	1042	-278	-182
Chicago	232	19	1266	115	252	N. MEX. Albuquerque . .	191	15	905	39	- 26	VT. Burlington	303	63	1804	166	184
Moline	236	14	1310	69	212	Roswell	174	18	841	63	254	VA. Lynchburg	198	40	937	106	271
Peoria	236	19	1302	112	298	N. Y. Albany	272	52	1719	330	298	Norfolk	138	13	610	39	157
Rockford	253	19	1417	41	262	Binghamton	288	59	1752	225	364	Richmond	187	42	901	175	297
Springfield	220	20	1149	88	325	Buffalo	273	58	1448	61	181	Roanoke	199	38	960	120	275
IND. Evansville	191	16	972	73	324	New York	200	40	942	133	235	WASH. Quillayute	162	2	1601	-127	-403
Fort Wayne	242	29	1341	100	342	Rochester	265	54	1537	211	369	Seattle-Tacoma	166	8	1195	-169	-139
Indianapolis	230	28	1253	154	444	Syracuse	271	63	1553	265	275	Spokane	229	- 1	1602	-113	-160
South Bend	231	14	1230	- 62	298	N. C. Asheville	193	35	931	28	232	Walla Walla	194	17	990	-124	-115
IOWA. Burlington	240	22	1287	101	296	Hatteras	119	28	459	92	173	Yakima	203	- 8	1317	-178	-187
Des Moines	243	8	1284	- 24	260	Charlotte	180	52	748	147	248	W. VA. Beckley	225	30	1333	82	327
Dubuque	261	14	1577	73	304	Greensboro	189	42	803	47	151	Charleston	213	44	1119	193	331
Sioux City	259	14	1367	- 31	181	Raleigh	176	40	830	161	377	Huntington	201	32	1043	122	341
KANS. Concordia	231	27	1077	- 9	82	Wilmington	127	34	501	119	231	Parkersburg	206	31	1163	223	358
Dodge City	228	37	974	- 8	61	N. Dak. Bismarck	328	29	2190	194	1	WIS. Green Bay	265	4	1912	189	415
Goodland	255	37	1405	83	38	Fargo	306	0	2089	114	68	LaCrosse	244	- 10	1574	76	299
Topeka	223	30	1036	30	165	Williston	309	7	2105	25	-123	Madison	256	2	1598	- 49	159
Wichita	204	25	880	4	96	OHIO. Akron-Canton . . .	224	16	1270	18	322	Milwaukee	234	- 8	1534	12	266
KY. Lexington	207	32	1072	148	367	Cleveland	228	27	1299	86	345	WYO. Casper	265	17	1836	72	43
Louisville	196	22	1009	107	382	Columbus	225	24	1144	- 11	271	Cheyenne	257	24	1775	48	- 14
LA. Baton Rouge	125	59	289	17	176	Cincinnati	219	36	1163	185	310	Lander	282	15	1822	- 34	- 77
Lake Charles	111	53	246	24	149	Dayton	224	24	1192	89	310	Sheridan	262	12	1872	51	- 66
New Orleans	112	55	244	16	134	Toledo	249	32	1433	143	293						
Shreveport	140	52															

Heating Degree Days (Base 65° F.)

NOVEMBER 1974

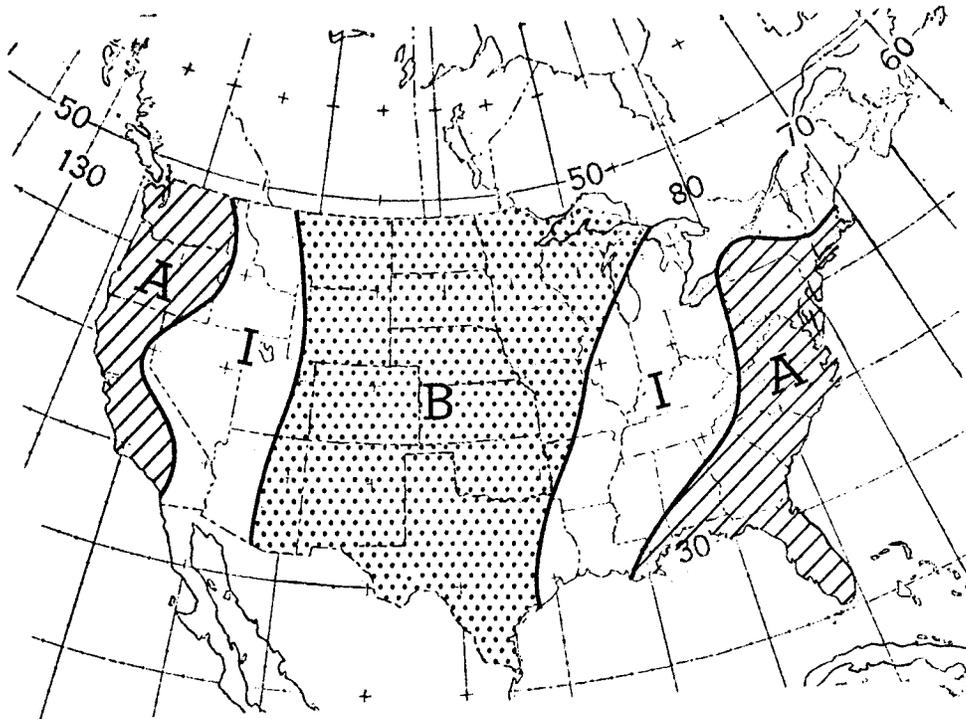
ALA. Birmingham	378	MAINE, Caribou	998	OKLA. Okla. City	463
Mobile	215	Portland	762	Tulsa	473
Montgomery	315	MD. Baltimore	509	OREG. Astoria	502
ALASKA, Anchorage	1263	MASS. Boston	587	Burns U.	849
Barrow	2179	Chatham	603	Medford	611
Fairbanks	1935	MICH. Alpena	849	Pendleton	600
Juneau	851	Detroit	726	Portland	500
Nome	1649	Flint	737	Salem	550
ARIZ. Flagstaff	841	Grand Rapids	816	PA. Allentown	638
Phoenix	112	Houghton Lake	856	Erie	713
Tucson	218	Lansing	762	Harrisburg	600
Winslow	667	Marquette U.	845	Philadelphia	500
Yuma	45	S. Ste. Marie	959	Pittsburgh	630
ARK. Fort Smith	465	MINN. Duluth	1069	Scranton	655
Little Rock	401	Internatl Falls	1106	R. I. Providence	634
CALIF. Bakersfield	243	Minneapolis	933	S. C. Charleston	299
Eureka U.	407	Rochester	941	Columbia	342
Fresno	350	St. Cloud	1005	Greenville	464
Los Angeles U.	74	MISS. Jackson	308	S. DAK. Aberdeen	967
Red Bluff	403	Meridian	295	Huron	954
Stockton	401	Vicksburg U.	---	Rapid City	849
San Diego	97	MO. Columbia	653	Sioux Falls	927
San Francisco	329	Kansas City	660	TENN. Chattanooga	517
COLO. Denver	803	St. Louis	625	Knoxville	439
Grand Junction	756	Springfield	600	Memphis	367
Pueblo	698	MONT. Billings	821	Nashville	464
CONN. Bridgeport	550	Glasgow	946	TEX. Abilene	400
Hartford	725	Great Falls	783	Amarillo	571
D. C. Washington	446	Havre	914	Austin	271
FLA. Apalachicola	142	Helena	905	Beaumont	230
Ft. Myers	11	Kalispell	914	Brownsville	77
Jacksonville	180	Miles City	891	Corpus Christi	117
Key West	0	Missoula	903		
Lakeland U.	38	NEBR. Grand Island	795	Del Rio	223
Miami	2	Lincoln	762	El Paso	445
Orlando	41	Norfolk	817	Fort Worth	296
Daytona Beach	69	North Platte	900	Galveston U.	121
Tallahassee	276	Omaha	726	Houston	196
Tampa	39	Valentine	876	Lubbock	500
GA. Atlanta	381	NEV. Ely	852	Midland	344
Augusta	393	Las Vegas	300	San Angelo	308
Macon	299	Reno	733	San Antonio	260
Savannah	243	Winnemucca	806	Victoria	153
IDAHO, Boise	689	N. H. Concord	866	Waco	274
Lewiston	651	N. J. Atlantic City	557	Wichita Falls	398
Pocatello	829	Trenton U.	524	UTAH, Blanding R	771
ILL. Cairo U.	462	N. MEX. Albuquerque	593	Salt Lake City	638
Chicago	715	Roswell		VT. Burlington	858
Moline	739	N. Y. Albany	786	VA. Lynchburg	532
Peoria	756	Binghamton	825	Norfolk	371
Rockford	804	Buffalo	738	Richmond	513
Springfield	680	New York	512	Roanoke	539
IND. Evansville	537	Rochester	755	WASH. Colville	839
Fort Wayne	715	Syracuse	726	Omak	---
Indianapolis	671	N. C. Asheville	519	Quillayute	595
South Bend	672	Charlotte	454	Seattle-Tacoma	591
IOWA, Burlington	755	Greensboro	477	Spokane	852
Des Moines	755	Hatteras R.	306	Walla Walla U.	588
Dubuque	837	Raleigh	497	Yakima	706
Sioux City	820	Wilmington	333	W. VA. Beckley	660
KANS. Concordia	692	N. DAK. Bismarck	1078	Charleston	590
Dodge City	633	Fargo	1066	Huntington	560
Goodland	811	Williston U	1054	Parkersburg U.	580
Topeka	649	OHIO. Akron-Canton	638	WIS. Green Bay	912
Wichita	596	Cincinnati U.	614	Madison	829
KY. Lexington	578	Cleveland	660	Milwaukee	534
Louisville	543	Columbus	609	WYO. Casper	912
LA. Baton Rouge	236	Dayton	613	Cheyenne	873
Lake Charles	206	Toledo	730	Lander	930
New Orleans	194	Youngstown	692	Sheridan	918
Shreveport	312				

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

*Estimated.

OUTLOOK FOR WINTER AVERAGE TEMPERATURES

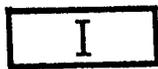
December 1974 through February 1975



Above Normal, 60% chance of occurrence



Below Normal, 60% chance of occurrence

Indeterminate, 50% chance of Above Normal
50% chance of Below Normal

The two categories Above and Below are to be compared to the long-term average or "normal" temperatures of the years 1941-70. Each category has a natural climatic frequency or probability of 50%. Each carries a 60% probability of occurring where forecast (shaded area), based on the verification scores of sixteen years of experimental seasonal predictions.

NOAA/National Weather Service
Long Range Prediction Group

November 27, 1974



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