

Weekly Weather & Crop Bulletin

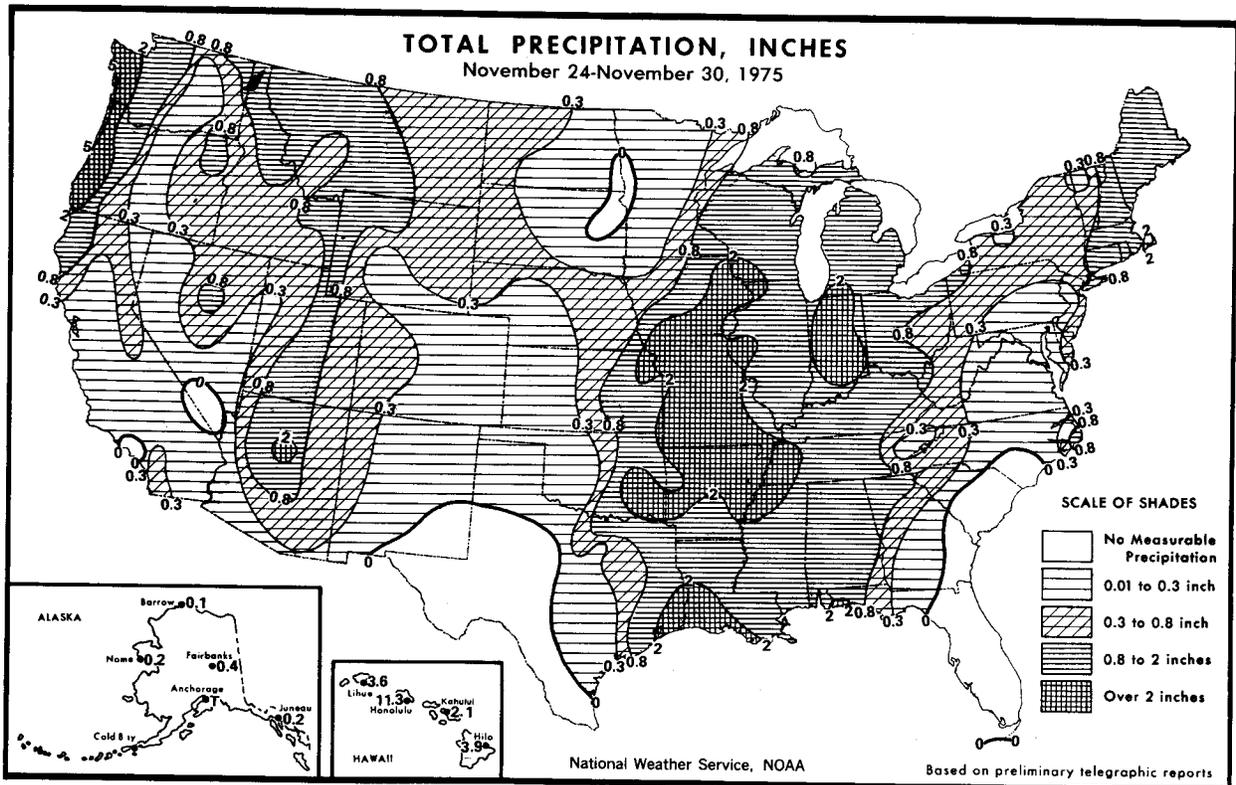
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NATIONAL WEATHER SUMMARY

For the Week of November 24-30

HIGHLIGHTS: Unseasonably cold temperatures put most of the Nation in the grip of winter by the end of the week. The mercury sank as low as 20° below normal in the northern and central Plains and along the northern border States. Winter storms blanketed parts of the Rockies and Plateau regions with over a foot of snow. High winds, hail, and tornadoes accompanied thunderstorms that battered the middle Mississippi and western Ohio Valleys.

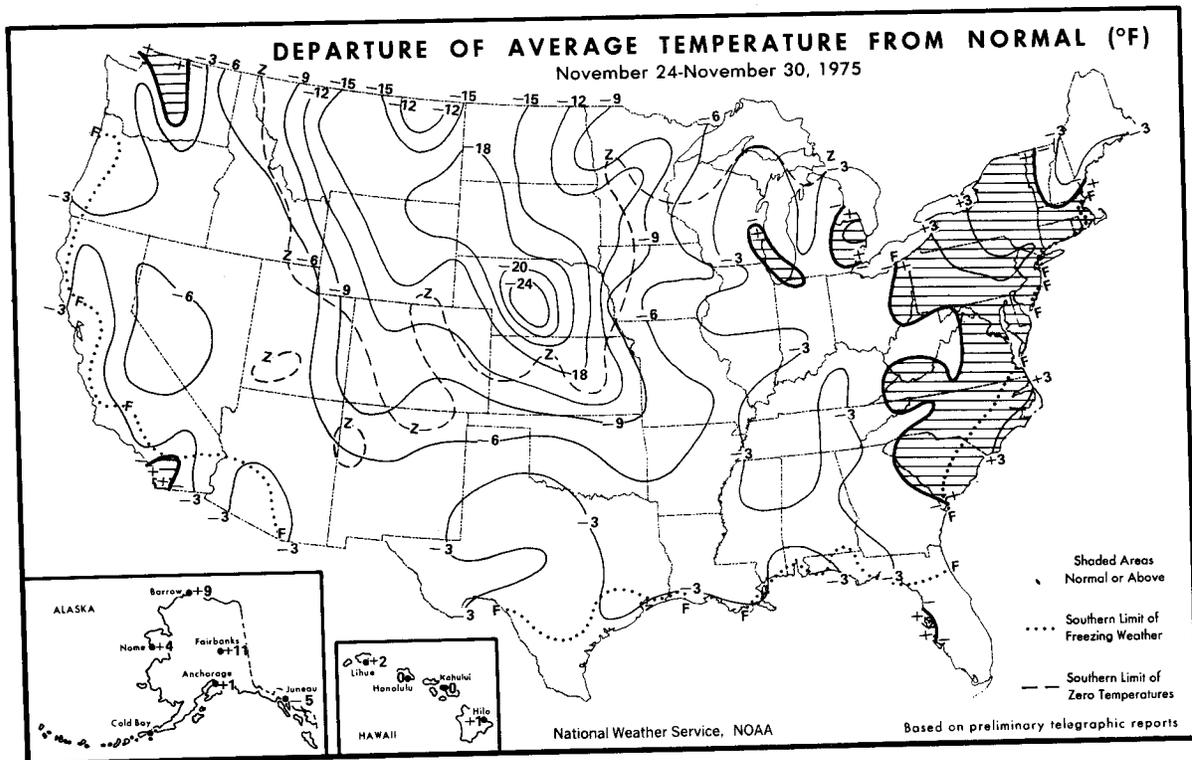
Winter weather that dominated most of the Nation over the weekend held its ground on Monday. In the Plains a strong surge of cold air pushed southward, showing morning temperatures to below zero in parts of North Dakota and northern Minnesota. Snowfall extended from eastern Montana, across Nebraska, South Dakota, and Iowa into northern Michigan. Travelers were warned to use cau-

tion in parts of New England where a low pressure in the Atlantic delivered lots of rain and snow and held temperatures near freezing. In the Midwest snow flurries extended from the eastern half of the Great Lakes through the upper and middle Mississippi Valley.

Afternoon precipitation included light rain-showers along the Atlantic Coast States from southern New England to North Carolina.

Winter continued in central U.S. on Tuesday when a low pressure system dropped further southward through Colorado. Up to 12 inches of snow blanketed parts of Nebraska, Minnesota, and South Dakota.

At daybreak cold air was firmly entrenched over most of the Nation. New record lows were set from Minnesota and South Dakota into Oklahoma. In northeast Minnesota, Isabella, -23°, claimed the low for the Nation. Light snow drift-



ed into eastern Iowa through the upper Great Lakes and western Ohio Valley region.

After dumping up to 18 inches of snow from the northern Rockies to the High Plains the winter storm pushed its way into southwest Texas. On the heels of the storm, bitter cold Arctic air pushed temperatures to below freezing in the central and southern Plains and to below zero in parts of the northern Plains. Evening snow cover traced an area from the Texas Panhandle through the central Plains into North Dakota and east through Missouri into western Iowa.

Widespread snowstorms on Wednesday forced some holiday travelers to change their plans. As one storm drifted across the middle Mississippi Valley, a more vigorous turbulence moved in from the northern Rockies. Snow created hazardous conditions in portions of the Plains and upper two-thirds of the Mississippi Valley.

Across central U.S. thunderstorms drifted eastward from eastern Texas into western portions of the lower Mississippi Valley. Sunny skies were scarce and temperatures over the country remained below normal for late November.

Changing weather patterns kept most of the Nation on its toes throughout the week. As one major snow storm moved out of the upper Great Lakes into southern Canada on Thursday morning, another storm spread snow throughout the lower Great Lakes. In the West light snow lingered over the northern and central Rockies and Plateau regions.

By midafternoon snow cloaked an area from New England and the upper Ohio Valley across the central Plains into portions of the Northwest. Midday temperatures contrasted sharply across the Plains. The mercury stalled in the teens and twenties in northern and central sections, but

soared into the 50's in Oklahoma and into the 60's and 70's in Texas.

During the day another winter storm took shape in western U.S. Low pressure centers gave rise to scattered snow from Nevada and eastern Oregon into most of the Rocky Mountains. Locally heavy snowfall unloaded up to 15 inches in the northern mountains of New Mexico.

On Friday morning snowfall diminished over most of the Rocky and Intermountain regions, except northern Arizona, where 7 inches fell in only 6 hours. An intense low over southwest Wyoming triggered snow from eastern Nevada across the Rockies into the Dakotas. Gusty winds caused blowing and drifting snow from Idaho into northern Arizona.

Leaving the southern Plateau and central and southern Rockies in the grip of winter, the storm divided on Saturday. One part drifted slowly eastward through the lower Plateau region and the other moved through Wyoming, headed for the Dakotas.

A low pressure center associated with the storm moved into northwest Kansas. In its path much colder air pushed into the Plains. Ahead of the low a line of severe thunderstorms sprang up from southwest Iowa into eastern Kansas. Thunderstorms produced gusty winds, golf ball sized hail, and a dozen tornadoes from Arkansas and Kansas into Illinois and Iowa.

As the storm front passed through the Nation's midsection Sunday, temperatures dropped as much as 20° in less than 2 hours. Morning readings dipped below zero in parts of Colorado and Nebraska. In Wyoming, Sheridan chalked up a new record low of -15°. When skies cleared and flurries ended around noon very cold air in the northern half of the Rockies and Plains spread southward. In southern Oklahoma noontime temperatures hovered around the freezing mark, compared to 70° at the same time on Saturday.

NATIONAL AGRICULTURAL SUMMARY

For the Week of November 24-30

HIGHLIGHTS: Storms and subnormal temperatures limited farm activities over much of the Nation. Harvest of the 1975 corn for grain was virtually complete, much ahead of the normal 89%. By November 30, soybean combining reached 95% complete nationwide, versus the average 90%. Snow cover provided good protection to winter wheat in several Northern States. Winter wheat seeding was nearing completion in the remaining States.

SMALL GRAINS: Rain and snow continued to supply much needed moisture to fall sown small grains in the Great Plains. Snow cover provided good protection from subnormal temperatures in several States. By November 30, seeding of the 1976 crop was finished or in the windup stages in most States.

Topsoil moisture was adequate in Kansas except in some southwestern counties, but warmer temperatures are now needed to improve wheat stands. Wheat seeding was nearly complete in Oklahoma, but late seedings are slow to emerge because of the cold soil temperature. Cold weather should halt further insect damage. Wheat growth improved in the Texas High and Low Plains, but additional moisture is needed. Greenbug control measures were necessary in the Low Plains.

Snow cover or added moisture improved prospects in most other major States during the week. Winter wheat was in good to excellent condition in Illinois, Indiana, and Ohio, but only fair in Nebraska. Soil moisture was excellent for winter wheat in Washington and stands are thriving.

CORN: Harvest of the remaining corn acreage was hampered by rain and snow in several States. However, harvest of the Nation's 1975 crop was virtually complete by November 30, versus 91% in 1974 and the average 89%.

Harvest was wrapped up in most areas of the North Central States, compared to only 90% in 1974 and the normal 88%. Stormy weather and very little sunshine in Indiana limited harvest activity and the completion of corn picking.

Corn harvesting was on schedule at 95% complete in the South. However, rainy weather hampered harvesting in the South Central States and in most South Atlantic States. Corn picking was behind last year's pace in Alabama, Georgia, and North Carolina. Harvest ranges from complete in several States to only 88% finished in Alabama.

COTTON: Cotton harvesting made excellent progress in most major States until late in the week, when inclement weather stopped activity in many areas. By November 30, cotton picking reached 62% completion in the 11 major Southern States, versus 57% in 1974 and the normal 65%.

Harvest made satisfactory progress in the Texas High and Low Plains before cold weather stopped most activity. Statewide, harvest was 48% finished, against only 40% in 1974. In Mississippi, cotton was 75% harvested, much behind the normal 89%. Arkansas growers have picked 95% of their crop, versus only 73% in 1974. In Alabama, only 65% was harvested, while in Oklahoma only 15% was picked.

In the West, cotton harvest continued in California, was 60% complete in New Mexico, and made normal progress in Arizona, where 70% was finished.

SOYBEANS: Soybean growers in the Southern States made good use of the limited work week in most areas, and combining made excellent advancement. By November 30, harvest of the Nation's soybean crop was 95% complete, slightly ahead of last year's 93% and the normal 90%.

Harvest was complete in most North Central States and 86% finished in the Southern States, ahead of 82% in 1974 and the usual 80%. Arkansas's harvest was 94% complete against only 77% in 1974. In Mississippi, combining was 85% done versus 79% a year ago. Harvest ranged from 65% complete in North Carolina to virtually complete in Texas. Combining continues to lag last year's progress in all of the South Atlantic States, but remains ahead in most South Central States.

OTHER CROPS: Sorghum combining was virtually complete in all major States, except Oklahoma where harvest was 91% finished, versus 71% in 1974 and the average 82%. Only a few unharvested fields remain in the Texas Low Plains with some fall stands in south Texas.

Burley tobacco stripping was active in Kentucky and Tennessee. In Tennessee, tobacco was 81% stripped against 76% in 1974 and the average 88%.

Sugarcane harvest was active in Florida and Louisiana, where 67% of the crop was harvested, slightly ahead of average.

FRUITS AND NUTS: Citrus harvest was active in Florida and the maturity and color of this year's fruit are excellent. Rain is needed in most areas and irrigation was limited because of expected cold weather. In Texas, citrus harvest continues the seasonal increase. Quality of grapefruit was good to excellent. Heavy winds during the week in Texas blew fruit from the trees. Lemon, grapefruit, and mandarin harvests were increasing in California along with early varieties of Navel oranges.

Pecans were 67% gathered in Georgia and 74% in Mississippi.

VEGETABLES: Various vegetable crops in Arizona, California, Florida, and Texas were marketed in seasonal supplies. Planting continues active in Florida on most crops. Cold temperatures hampered tomato development in the Laredo Texas area, while produce in the San Antonio Winter Garden area continued to develop.

PASTURES AND LIVESTOCK: Snow and subnormal temperatures increased the need for further supplemental feeding and made care of livestock more difficult. Livestock in most States are going into the winter in good condition since pastures or crop residues in most areas were adequate. Winter grazing prospects improved in the Texas Plains and in southwest Oklahoma. Livestock continue to graze in most Eastern States.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., Nov. 30, 1975

Table with columns for States and Stations, Temperature °F (Average, Departure), and Precipitation Inches (Total, Departure). Rows list various cities across multiple states including ALA, ARIZ, CALIF, COLO, CONN, FLA, GA, HAWAII, ILL, IND, IOWA, KANS, KY, LA, MAINE, MD, MASS, MICH, MINN, MO, MONT, NEBR, NEV, N.H., N.J., N.MEX., N.Y., N.DAK., OHIO, OKLA, OREG, PA, R.I., S.C., S.D., TEX, UTAH, VT, VA, WASH, W.VA., WIS, WYO, and P.R.

Based on 1941-70 Normals

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prepared by Dr. Richard E. Felch, agricultural climatologist, Lyle M. Denny, Orus W. Byrd, meteorologists, DeLon Brown, agricultural statistician, and Susan E. Atkins, editor.

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: Temperatures averaged below normal, starting on the low side and rising above on 29th and 30th. Cold fronts passed through on 26th and 30th evenings. Rain accompanied passage of both cold fronts.

Rainy weather slowed harvest. Cotton harvest 65%, 1974 88%, average 88%. Soybean harvest 82%, 1974 90%, average 87%. Corn harvested 88%, 1974 94%, average 92%. Small grains 85% seeded. Soil moisture adequate.

ARIZONA: Dry and mild. First major storm 26th and 27th. Two feet and more snow higher elevations. Moisture 2.50 in. some stations. Precipitation widespread. Temperatures normal early, 15 to 20° below norms late. Freezing occurred metropolitan area 30th. Flagstaff 3° below zero.

Cotton harvest normal progress. Central area winds caused cotton to string out; 70% harvested. Plowing residues increasing. Harvest late grain continues. Sugarbeets excellent. Final preparations small grains, safflower. Alfalfa harvest limited. Lettuce harvest full volume Yuma, Salt River Valley. Harvest mixed vegetables good progress. Red chili harvest active Cochise. Picking Navels, lemons, tangerines, and limited grapefruit continued Salt River Valley. Harvest lemons, Navels continued Yuma. All field activity halted 28th, rain, muddy fields. Range forage, water supplies boosted by storm. Some livestock lost. Cattle, calves well on winter pastures. Ranchers supplemental feeding.

ARKANSAS: Temperatures averaged 3 to 11° below normal. Average temperatures 48 to 35°. Cool temperatures prevailed most of week. Extremes: 77 and 50°. Precipitation midweek, again weekend, general over State. Amounts moderate to heavy, mostly 1.00 to 2.25 in.

Fieldwork 3 days. Harvest nearly complete. Soil moisture adequate to surplus. Cotton harvest continued, few scattered fields remaining. Mostly second pickings, 95% harvested, 73% 1974. All soybean acreage ready for harvest; few fields standing; 94% harvested, 77% 1974. Small grain planting nearly complete; 97% wheat planted, 82% 1974. Cattle condition good, pastures short. Cattlemen feeding hay and protein supplement.

CALIFORNIA: Scattered precipitation north and central 26th, most of State 27th and 28th, and north coast over weekend. Amounts mostly light except over 1.00 in. north coast, 1.00 to 2.00 Sierra Nevada, and near 1.00 in. some coastal and mountain areas south. Windy at times, mainly mountains, cooling late week brought snow southern mountains late week. Lows near 30°, late week Central Valley and Coastal Valleys. Averages near normal most areas.

Ground preparation and planting of wheat, oats, and barley active. Sugarbeet harvest and planting. Corn, milo, and rice harvest nearing completion. Cotton harvest continues. Alfalfa green chopped, shepped off, some planting. Wine grape harvest virtually complete. Table grape shipments continue from cold storage. Few persimmons still being picked. Kiwi fruit harvest about ended, Riverside County date harvest full swing. Pruning dormant spraying, ground work in vineyards and deciduous orchards. Lemon, grapefruit and mandarin harvests increasing. Harvesting early varieties of Navel oranges. Washington Navel harvest slow, growers waiting for

adequate sugar. Broccoli, cauliflower, carrots, celery continue light to moderate supply Salinas. Lettuce starting up Imperial Valley; continuing Palo Verde Valley. Celery continues strong Santa Maria. Onions still being harvested Tulelake. Fresh market tomatoes nearing completion Ventura County. Range conditions good, growth grass slowed. Livestock good shape calving, lambing nearly complete. Supplemental feeding most areas. Stock water adequate, soil moisture showing signs of stress.

COLORADO: Precipitation light ranging trace to 0.40 in. eastern plains, 0.10 to 0.90 in. mountains and west. Temperatures below normal early week, near normal weekend. High 58° Pueblo 28th, low -26° Gunnison 26th.

Corn grain harvest 97% complete. Sorghum grain harvest essentially complete. Winter wheat fair to good condition except southeast poor. Nearly 20% seeded acreage not emerged to acceptable stand. Recent moisture expected benefit crop. Ranges and pastures benefitted recent snows. Livestock stressed by winter storm.

FLORIDA: Cold front passed through Peninsula early week bringing minimums in the 30's as far south as the Everglades. Temperatures then gradually moderated, becoming above normal by late week. Moderate to heavy rainfall with the front over Panhandle, only light amounts over Peninsula.

Soil moisture adequate west and along east and gulf coasts, short midstate. Soybean, cotton harvest nearing completion. Pecan harvest continues. Sugarcane harvest active. Other field work slow. Small grains mostly good condition. Grazing very poor to good. Cold weather slowed pasture growth. Cattle, calves fair to mostly good condition. Citrus grove condition excellent. Rain needed most areas, irrigation limited due to cold prospects. Fruit maturity and color excellent. Harvest active. Vegetable growing conditions improved. Plantings active most crops. Harvest active but decreasing most crops. Cabbage light supply, increasing. Crops in steady supply were snap beans, lettuce and radishes. Strawberries progressing favorably.

GEORGIA: Temperatures 5 to 9° below normal, ranging from upper 30's northeast to mid-40's central and low 50's southeast. Snow north on 22d and 23d. Rainfall 0.50 to 0.75 in. north decreasing to less than 0.25 in. from mid to southeast. Cold front night of 30th brought 0.30 to 1.00 in. north and west central.

Soil moisture adequate except coastal areas short. Harvest continued, 4 days suitable. Corn fair to mostly good, 90% harvested, 1974 92%. Cotton mostly fair to good, 75% picked, 1974 90%. Soybeans fair to mostly good, 72% combined, 1974 86%. Pecans fair, 67% gathered, 1974 69%. Wheat 80% planted, rye 90% planted. Other small grains 88% planted. Pastures declined seasonally, mostly fair to good. Cattle fair to mostly good. Hogs good. Fire ant complaints continued.

HAWAII: Heavy rains starting 24th, lasting for 4 days drenched Hawaiian chain bringing relief to the prolonged dry spell.

Reservoirs to irrigate sugarcane crop partially filled or filled. Strong winds caused some damage to crops and orchards especially on Oahu. Some

tender crops and banana orchards were heavily damaged. Losses on other Islands were light. Vegetable supplies adequate, head lettuce production light. Tomato production moderate to heavy. Banana supplies decreasing. More mills closing for season. Rains beneficial and improving pastures.

IDAHO: Precipitation scattered, averaged well above normal most areas. Emmett with 0.90 in. had greatest amount in valley areas. Temperatures averaged 3° below normal, ranged 53° Lewiston on 24th to 1° Rexburg on 26th.

Cold weather and snow stopped field activities. Most cattle receiving supplemental feed. Sheep still out on pasture some areas, but being put on feed because bad weather. Feed supply adequate presently.

ILLINOIS: Temperatures 1 to 6° below normal. Precipitation 1.75 to 2.33 in., 6 to 8 in. north and central 26th, heavy rains 29th.

Soil moisture mostly adequate. Winter wheat mostly good to excellent condition. Livestock doing well. Main farmwork: Fall plowing and fertilizer application.

INDIANA: Stormy week. Snow of 1 to 5 in. central and north. Precipitation from 0.75 in. southeast to 0.25 in. north. Below normal temperatures ranged from 14 to 72°. Very little sunshine.

Fieldwork averaged 3 days. Topsoil and subsoil moisture adequate. Corn 97% harvested, 1974 75%, average 80%. Grain sorghum 98% combined, 1974 70%. Land for spring planting 50% plowed, 1974 25%. Wheat stands good to excellent. Pastures poor to fair.

IOWA: Series of storms brought rapidly changing weather conditions and frequent precipitation. Snow on 24th, 26th followed by general heavy rains and thunderstorms on 29th. Four to 7 in. new snow southeast on 26th and rains of 2.00 to 3.00 in. southeast on 29th. Each precipitation event was followed by cold arctic air. Temperatures from 12° below normal northwest to 2° below normal southeast. Precipitation near normal northwest to well above normal east and south.

KANSAS: Major winter storm across State on 25th produced 3 in. of snow west and 6 to 12 in. east, with heavy showers and thunderstorms over east on 29th. Total moisture ranged from 0.25 in. or less west to as much as 3.00 in. east. Temperatures averaged from 12 to 15° below normal west and north central to 6° below normal southeast.

Topsoil moisture adequate except some southwest counties. Warmer temperatures needed to improve cover in wheat fields. Stands thin many localities. Row crop harvest nearly complete. Cattle loss from storm light.

KENTUCKY: Unsettled weather all week brought rainfall amounts averaging near 1.50 in. Average temperatures in upper 30's, near seasonal normal, but highs in upper 60's were common at week's end.

Soil moisture mostly adequate. Winter grains and pastures mostly in excellent condition. Livestock still grazing in most areas. Corn harvest practically complete. Late soybean harvest progressing as conditions permit. Burley tobacco stripping active. Tobacco markets opened November 24th, prices and gross sales below last year's opening week.

LOUISIANA: Temperatures 6° below normal. Cold through 27th, warmer end of week. Rain on 26th, locally heavy southwest, statewide on weekend. Greatest 1-day rain, 3.45 in. on 26th. Temperature extremes: 81° 29th, 18° 27th.

Rains restricted farmers 3.8 days fieldwork. Soil moisture adequate to surplus. Cotton, soybean, and sugarcane harvest main activities. Soybean harvest 96%, 90% 1974, 88% average; quality fair to good. Cotton harvest 88%, 82% 1974, 84% average. Farmers making final picking. Sugarcane harvest 67%, 69% 1974, 65% average; tonnage lower than anticipated, purity and sucrose above normal. Wheat 97% and oats 98% planted. Pastures fair, grazing small grains and ryegrass. Cattle fair.

MARYLAND AND DELAWARE: Temperatures averaged near normal. Highs, upper 60's; lows, low 20's. West Maryland temperatures averaged 5° lower. Precipitation ranged from trace to 1.40 in., heaviest amounts in Delaware. November 1975 was mildest on record at Baltimore Airport.

Remaining corn and soybean fields being harvested. Pastures and livestock in good condition. Fall plowing making good progress.

MICHIGAN: Temperatures varied widely, but averaged from normal to 6° below normal. Coldest reading was -6° at Stambaugh in western Upper Peninsula, while highest was 62° at Detroit. Precipitation averaged 1.40 in. Lower Peninsula and 0.80 in. Upper Peninsula.

MINNESOTA: A very cold week. Temperatures averaged 8 to 12° below normal. Extremes: 45 and -23°. Precipitation ranged from 0.25 in. below normal northwest to 0.75 in. above normal southeast. Most precipitation was associated with major winter storm which produced warmer temperatures, rain, and freezing rain over most of State on 29th and heavy snow southeast 30th. Snow on ground at week's end 1 to 5 in. northwest and southeast and 6 to 9 in. central.

Melting of previous snow along with rains preceding current snow helped build needed soil moisture reserves in some areas. Farm work mostly winter care and management of livestock.

MISSISSIPPI: Temperatures 8 to 14° subnormal. Extremes: 72 and 18°. Greatest 24-hour rainfall was 1.28 in. at McComb on 27th.

Soil moisture supplies range from mostly surplus north to mostly adequate south. Fieldwork: 3.1 days suitable. Cotton 75% harvested, 78% 1974, 89% average. Soybeans 85% harvested, 79% 1974, 83% average. Corn 96% harvested, 93% 1974, 92% average. Pecans 74% harvested, 64% 1974. Winter wheat 94% planted, 95% 1974. Oats 96% planted, 97% 1974. Pastures and livestock in mostly fair to good condition.

MISSOURI: Temperatures 3 to 8° below normal. Precipitation general in form of snow except Bootheel. Snow depth ranged 3 to 10 in.

MONTANA: Cold wet week. Temperatures averaged 12° below normal northeast and west, to 18° below normal southeast. Significant precipitation throughout with snow falling most of week.

Wind, cold and snow made livestock care more difficult. Most livestock on supplemental feed. Winter wheat under snowcover.

NEBRASKA: Precipitation general mostly snow, moisture amounts near 0.25 in. over west and north to 0.50 in. southeast. Temperatures 10 to 25° below normal.

Topsoil moisture supplies 72% adequate. Sub-

soil moisture supplies 7% adequate. Wheat condition mostly fair. Corn harvest 100%, year ago 100%, normal 85%. Pasture and range feed supplies 90% short. Stalk fields and pastures mostly snow covered. Feeding supplemental hay and silage. Many cattle still being rounded up from snowstorm. Losses generally minimal except locally high losses north and northeast.

NEVADA: Exceptionally cold weather continued. Temperatures remained 3 to 8° below normal. Extremes: 7° Logandale, 2° Ely. Precipitation widespread, mostly snow.

Cotton harvest well along Pahrup Valley. Livestock mostly good condition.

NEW ENGLAND: Storm moving northeastward offshore gave wintry touch to many parts eastern New England on 24th. It left band snow averaging 4 to 5 in. across the coastal areas of Me, Ma, NH. Stormy 27th, rain southern New England, snow over northern New England. Gobham and Lancaster, NH. 6 to 7 in. snow.

NEW JERSEY: Cold week, temperatures 4° below normal coastal strip, 1 to 3° below elsewhere. Average: 37° north, 41° south and 40° coastal. Extremes: 20° at Belvidere on 25th and 63° at Canoe Brook and New Brunswick on 30th. Precipitation totals 0.40 to 0.60 in. below normal. Trace snowfall at Newton on 25th.

Light movement of cabbage and hardy greens. Some corn for grain and soybeans being harvested.

NEW MEXICO: Major winter storm commenced on 26th with very strong winds Statewide. Snow in mountains on northern border night of 26th and 27th. Snow and rain all areas except southeast plains on 28th and 29th with very strong winds and turning much colder.

Soil moisture remained short in most areas. Cotton harvest continued with 60% harvested. Limited harvest pecans started. Lettuce harvest virtually complete Mesilla Valley. Onions good condition. Winter wheat and barley fair to good, dryland stands need moisture. Ranges fair, livestock good, some supplemental feeding.

NEW YORK: Temperatures near normal. Precipitation light to moderate. Early week cold, midweek wet and mild. Weekend began colder, but moderated as rain fell 29th and 30th. Heaviest precipitation fell 27th with 1 to 3 in. snow central, 2 to 5 in. northeast, rain elsewhere. No significant snow accumulation.

NORTH CAROLINA: Temperatures near normal. Light to moderate rain over all areas, except some heavier showers along coasts.

Days suitable fieldwork 3.1. Soil moisture mostly adequate. Soybeans 65% harvested, 1974 80%, average 68%. Cotton 86% picked, 1974 86%, average 85%. Corn 95% combined, 1974 96%, average 84%. Lespedeza seed 92% cut, 1974 96%, average 82%. Sorghum grain 93% harvested, 1974 95%. Small grains 86% planted, 1974 84%, average 86%; fair to mostly good. Pastures fair to good.

NORTH DAKOTA: Temperatures ranged 2 to 16° below normal. High 31°, low -16°. Precipitation normal to below normal central and east, above normal west. Snow heaviest west, up to 10 in., zero to 1 in. east. Weekend cold with heavy snow west, light central and east.

Adequate snow cover west only for fall sown grains and alfalfa. Livestock good condition.

OHIO: Temperatures normal or below normal 24th

through 28th and above normal 29th and 30th. Highs generally in 30's and 40's through 28th and in 50's and 60's 29th and 30th. Lows from mid-20's to 30's. Precipitation somewhere in the State every day except 28th. One to 2 in. of snow northwest on 24th and 25th. Elsewhere snow melted as it fell. Strong winds 27th and 30th.

Adequate moisture and normal temperatures maintaining excellent wheat condition. Ground plowed for next spring well above recent years.

OKLAHOMA: Temperatures averaged from 4° below normal southwest to 14° below normal elsewhere. Precipitation averaged from 0.01 in. southwest to 0.20 in. southeast. Precipitation over weekend averaged from a trace in Panhandle to 1.32 in. east central.

Below normal temperatures, light moisture, and the holiday held harvest and seeding progress to a slow pace. Wheat seedings near complete, but late seedings slow to emerge because cold soils. Grazing increased southwest. Some spraying for greenbug control early week. Cold weather should halt insect damage. Cotton picking more active, 15% picked, 18% 1974, 44% average. Sorghums 91% harvested, 71% 1974, 82% average. Soybeans 81% harvested and peanuts in final cleanup stage. Pecan drop increased, quality only fair. Range grasses disappearing rapidly. Cattle good condition. Supplemental feeding widespread.

OREGON: Temperatures slightly below normal south; above normal elsewhere. Extremes: 70 and teens. Precipitation ranged 1.25 to 1.99 in. along coast, 0.47 to 0.87 in. western valleys, 0.04 to 0.55 in. east.

Limited fall seeding and plowing continuing as weather allows. Growers cleaning up orchards, spraying berries, overhauling equipment. Filbert, walnut harvest nearly finished. Onions, potatoes being shipped. Carrots, cabbage continue to be harvested. Feeding cattle, feed supplies adequate.

PENNSYLVANIA: Coldest week since mid-April, but 2 to 6° above normal. Maxima 40's and minima 20's and 30's until 30th when about 10° warmer. Extremes: 18 and 68°. Precip. mostly as rain midweek and weekend totaled 0.25 in. or less south central to 1.25 in. northwest, 0.50 to 0.75 in. elsewhere. Snow flurries with up to 2 in. north central and northwest mountains midweek. No snow or ice on ground end of week.

Dairy farmers milking and cleaning barns. Poultrymen busy gathering eggs and feeding chickens. Some added fall plowing and corn picking done. Cattle and sheep are still out on pastures in some areas.

PUERTO RICO: Island average rainfall 1.52 in. Highest weekly total 6.03 in. at Corral Viejo. Highest 24-hour total 2.40 in. at Juncos. Temperatures averaged 77° on coasts and 72° interior. Extremes: 90 and 55°.

Sugarcane cultivation continues under favorable weather, preparations being made for next harvest. Coffee harvest continues but slowed by rains. Good harvest expected. Planting and fertilizing of tobacco main field activities. Pastures in good condition. Farmers planting, fertilizing, cultivating and using pesticides. Food crops developing well. Pigeon pea harvest started. Vegetables, citrus, bananas and plantains being harvested.

SOUTH CAROLINA: Temperatures ranged from below normal early to considerably above normal late week. Scattered showers midweek. Precipitation totaled below normal.

Harvest, grain seeding continues active. Cotton harvest 90%, 91% 1974, 89% average. Soybean harvest 68%, 75% 1974, 62% average. Wheat seedings 72%, 59% 1974, 66% average. Oat seedings 81%, 73% 1974, 79% average.

SOUTH DAKOTA: Temperatures averaged 10 to 20° below normal. Extremes: -15 and 38°. Snowfall varied, moisture content ranging from 0 to 0.40 in.

Farmers still shoveling snow. Livestock losses light during blizzard, some cattle still missing. Livestock generally in good condition. Calves being weaned. Farrowing underway. Feed and forage supplies generally adequate.

TENNESSEE: Strong winds and below freezing temperature accompanied rains twice during week and brought over 2.00 in. west, 1.00 in. middle and 0.50 in. east. Temperatures averaged 2 to 3° below normal.

Soybeans 89% harvested, 1974 80%, average 81%. Cotton 82% picked, 1974 77%, average 82%. Some acreage not picked due to poor yields and wet fields. Corn 91% harvested, 1974 88%, average 89%. Wheat 88% sown, 1974 89%, average 92%. Wheat has made good growth and is furnishing good pasture. Tobacco 81% stripped, 1974 76%, average 88%.

TEXAS: Temperatures were lowest of season. Little precipitation associated with frontal systems except east. Temperatures averaged near normal due rapid warming. Precipitation, none northeast, west, far south, but 1.00 in. evident southeast and upper coast.

Wheat, oats making satisfactory progress across State, grazing adequate, though most areas need moisture. Cotton harvest on schedule, but poor grades showing up High Plains. Harvest soybeans, sorghum essentially complete; peanut harvest will reach completion shortly. Wheat growth improved High, Low Plains. Additional moisture needed. Greenbugs increased to point that control measures have been necessary Low Plains. Early oat stands making satisfactory growth but grazing restricted many areas from short moisture. Cotton harvest satisfactory progress High, Low Plains before cold weather stopped most activity. Many localities reporting low grades and gin turn out. Few sorghum fields remain for harvest Low Plains, also some fall stands south. Major crops percent planted: Wheat 1975 99, 1974 97, average 98; oats 1975 99, 1974 98, average 97; flax 1975 67, 1974 79, average 64. Major crops percent harvested: Cotton 1975 48, 1974 40, average 48; sorghum 1975 100, 1974 96, average 95; peanuts 1975 99, 1974 88, average 94; soybeans 1975 100, 1974 88, average 93.

Lower Rio Grande Valley: Movement cabbage, cucumbers, peppers, tomatoes. Laredo: Cold temperatures hamper tomato development. San Antonio-Winter Garden: Winter produce continues develop. Citrus: Harvest continues seasonal increase, quality grapefruit good to excellent. Few Valencia harvested for juice. Heavy winds blew some fruit from trees.

Grazing improved High Plains. Low Plains, small grain fields showing good growth, grazing adequate. Livestock condition holding up well, but loss of flesh evident areas where pastures short. Feeding underway most areas, heavy culling continues as winter approaches.

UTAH: Precipitation was fairly general, as dry, slightly warmer than normal, temperatures

early week gave way to colder temperatures week-end. Major winter storm spread across the State 29th and 30th. Northern areas near and along higher mountains received 6 to 11 in. of snow, 1 to 3 in. fell south, while 5 to 8 in. fell in Roosevelt/Vernal area. Temperature departure from normal was -5°. Greatest amount of precipitation was 1.25 in. at Brighton.

Major agricultural activities: Enjoying the holiday, doing routine chores, caring for livestock. Sugarbeet processing full swing at Garland. Sorting, grading, and marketing of dry onions, potatoes and apples from storage. Turkey processing in final stages.

VIRGINIA: Normal temperatures throughout. Extremes: 11 and 75°. Rainfall light, less than 0.25 in.

Fieldwork: 4.6 days suitable. Topsoil moisture 76% adequate, 16% short, 8% surplus. Corn grain harvest 92% complete, 1974 91%. Soybeans combined 86% complete, 1974 90%. Wheat seeding 93%, 1974 92%. Excellent pasture conditions. Burley, fire-cured, sun-cured tobacco producers continue marketing. Fence and building repairs, cutting firewood, hog butchering, caring for livestock, storing machinery, preparing for winter. Many farmers hunting, enjoying Thanksgiving holiday season.

WASHINGTON: West: Temperatures near normal. Precipitation above normal.

Harvesting: Carrots, potatoes, Christmas trees. Pruning and tying caneberrries. Other activities: Equipment maintenance, spreading lime, cleaning ditches. Some cattle on pastures. Many on winter feed. East: Temperatures and precipitation near normal.

Sugarbeet and potato digging completed. Seeding winter wheat on cleared potato and beet fields. Fruit growers pruning and removing trees. Harvesting: Field corn, carrots, plowing and fertilizing. Soil moisture in winter wheat excellent, stands thriving. Greenbug problems reduced. Fall grazing good but some cattle requiring full feed.

WEST VIRGINIA: Temperatures below normal except eastern panhandle. Precipitation below normal.

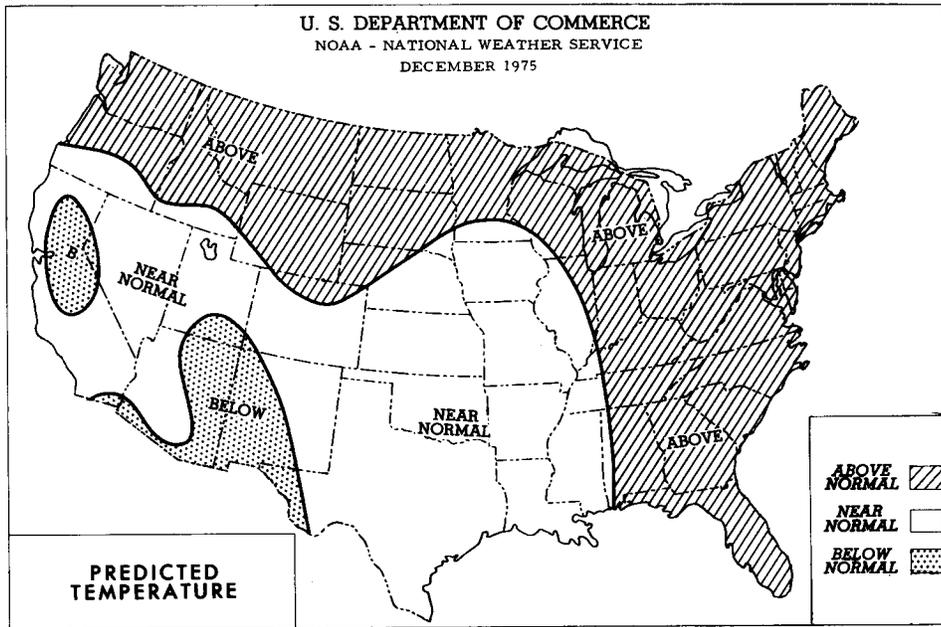
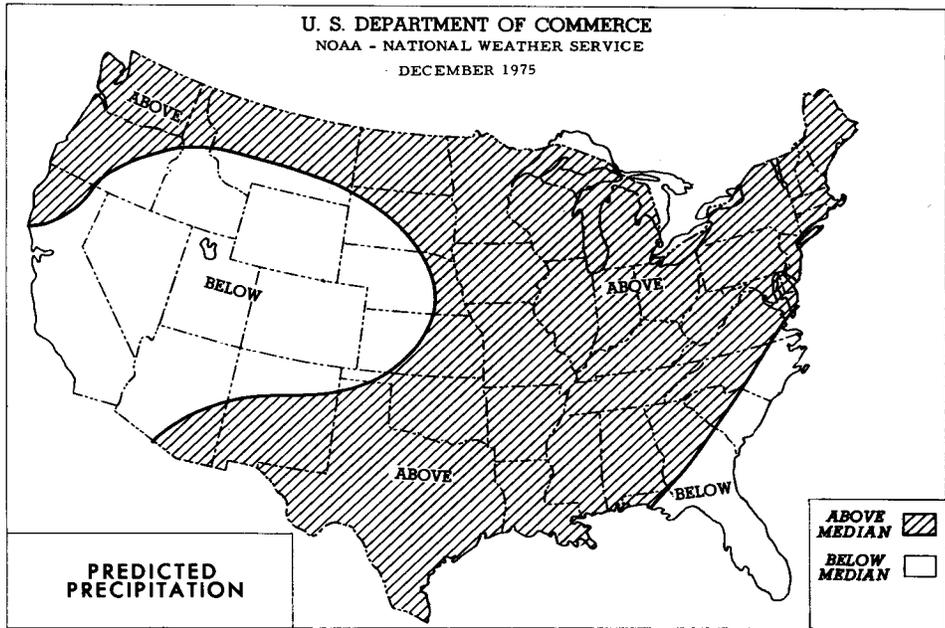
Soil moisture adequate. Fieldwork suitable 4.7 days. Limited farm activities. Fall grains look good. Livestock in good condition.

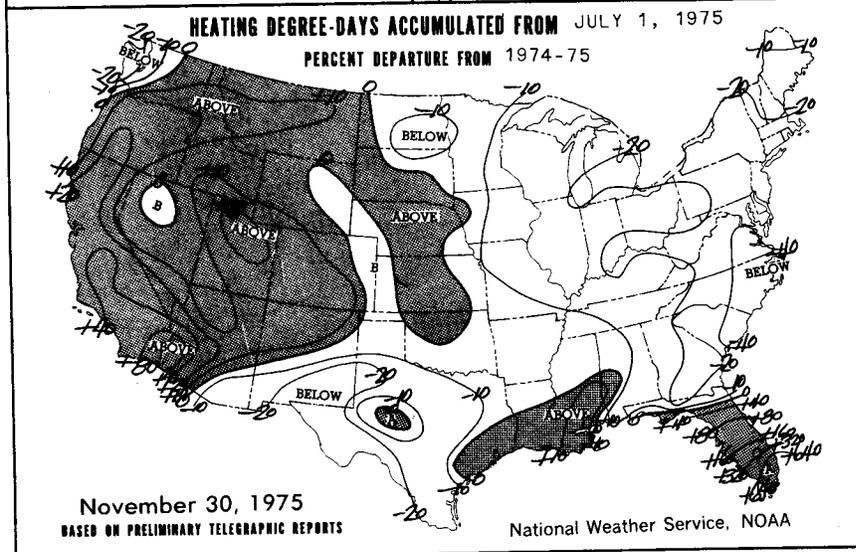
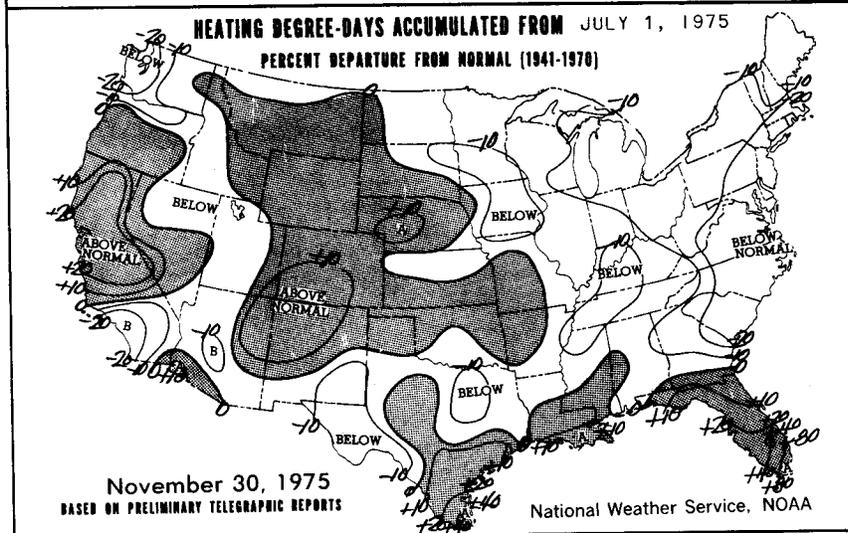
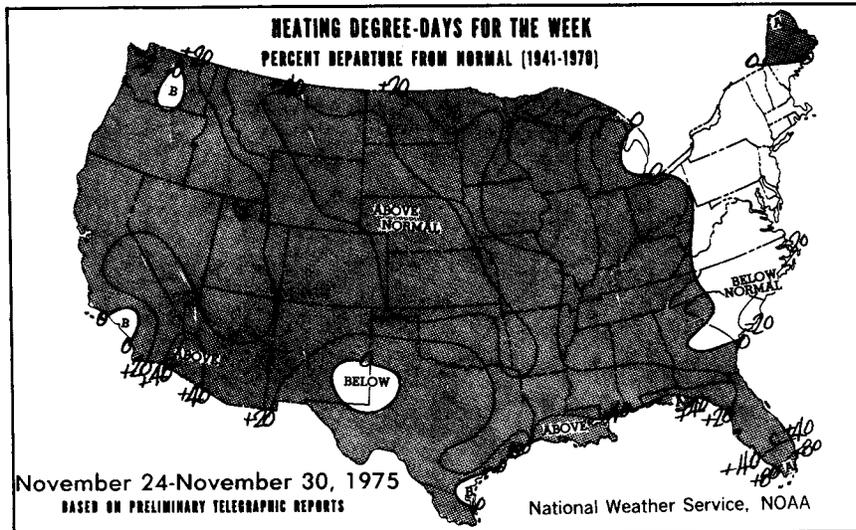
WISCONSIN: Light snow 24th. Storm system 26th brought snow south, heaviest southeast where 4 to 7 in. fell. Central had 1 to 2 in. Another storm 29th brought heavy snow northwest and rain south. Burnett County had 9 in. snow, lesser amounts to south. Colder air 30th changes rain to snow south. High temperatures were in 20's and 30's except on 29th when warmer air pushed to 60° at Madison, melting snow that accumulated 26th. Low temperatures ranged from 0 to 10° below north and 5 to 15° south.

WYOMING: Falling snows increased precipitation, amounts ranged above normal with exception of lower Platte Drainage still below normal. Temperatures also below seasonal normal.

Snowstorms improved moisture supplies, limited grazing. Supplemental feeding increased. Corn picking neared completion. Winter wheat mostly fair condition, moisture should help. Marketing calves continued slow, some holding. Cow marketing strong. Livestock good condition, storms made increased care necessary.

Average Monthly Weather Outlook





Heating Degree Days (Base 65°) For Week Ending

Nov. 30, 1975

States and Stations	Weekly			Seasonal + Accumulation			States and Stations	Weekly			Seasonal + Accumulation			States and Stations	Weekly			Seasonal + Accumulation		
	TOTAL	Departure*	Departure From 1974-75	TOTAL	Departure*	Departure From 1974-75		TOTAL	Departure*	Departure From 1974-75	TOTAL	Departure*	Departure From 1974-75		TOTAL	Departure*	Departure From 1974-75			
ALA. Birmingham . . .	131	17	505	29	51	29	Portland	214	-6	1435	-132	-189	Tulsa	185	45	635	14	-6		
Mobile	74	8	231	19	42	42	MD. Baltimore	152	-14	603	-241	-258	OREG. Astoria	147	6	986	-462	-315		
Montgomery	116	22	362	37	73	73	MASS. Boston	157	-16	712	-267	-437	Burns	250	20	1802	53	203		
ARIZ. Flagstaff	256	33	1687	-105	76	76	MICH. Alpena	251	6	1661	-241	-283	Medford	184	13	1173	47	194		
Phoenix	81	19	174	25	41	41	Detroit	204	-6	1094	-153	-318	Pendleton	202	17	1060	-148	100		
Tucson	89	22	228	8	42	42	Flint	201	-21	1105	-326	-376	Portland	155	1	1032	-129	154		
Winslow	218	34	1072	147	101	101	Grand Rapids	245	26	1247	-100	-426	Salem	157	4	1223	47	186		
Yuma	69	20	119	11	62	62	Houghton Lake	269	19	1637	-221	-272	PA. Allentown	168	-26	868	-248	-366		
ARK. Fort Smith	195	64	633	60	1	1	Hansing	230	9	1285	-106	-304	Erie	185	-12	1141	-229	-328		
Little Rock	166	35	592	3	57	57	Marquette	267	17	1828	-172	-242	Harrisburg	165	-18	763	-217	-345		
CALIF. Bakersfield . . .	107	18	377	46	107	107	Muskegon	224	11	1199	-185	-311	Philadelphia	142	-22	565	-286	-294		
Eureka	122	21	1634	136	151	151	S. Ste. Marie	291	27	1915	-146	-335	Pittsburgh	198	-1	1109	-102	-29		
Fresno	142	36	609	174	200	200	MINN. Duluth	354	54	2157	-41	-308	Scranton	184	-21	963	-301	-357		
Los Angeles	44	-3	176	-114	50	50	Internatl Falls	386	55	2292	-120	-113	R.I. Providence	177	-9	949	-155	-311		
Red Bluff	104	1	592	171	113	113	Minneapolis	312	37	1458	-266	-279	S.C. Charleston	52	-32	242	-103	-198		
San Diego	45	2	160	-45	49	49	Rochester	314	44	1500	-198	-278	Columbia	104	0	352	-101	-171		
San Francisco	96	12	869	198	185	185	St. Cloud	368	79	1867	-5	-165	Greenville	125	1	503	-71	-205		
Stockton	123	14	561	110	101	101	MISS. Jackson	114	24	389	-3	-4	S. DAK. Aberdeen	369	84	1548	-255	-167		
COLO. Denver	271	67	1402	106	10	10	Meridian	132	34	479	37	73	Huron	366	96	1656	5	33		
Grand Junction	282	71	1253	113	171	171	MO. Columbia	212	29	933	11	-146	Rapid City	378	140	1647	64	106		
Pueblo	257	60	1234	118	183	183	Kansas City	246	60	935	16	-99	Sioux Falls	348	83	1597	-18	-30		
CONN. Bridgeport	148	-20	681	-192	-305	-305	St. Louis	210	36	898	-21	-156	TEX. Chattanooga	167	28	656	-18	-139		
Hartford	197	-16	927	-286	-464	-464	Springfield	223	55	912	56	43	Knoxville	151	13	651	-8	-26		
DEL. Wilmington	152	-17	651	-214	-329	-329	MONT. Billings	353	118	1708	96	81	Memphis	142	16	483	-89	-33		
D.C. Washington	132	-20	450	-284	-272	-272	Glasgow	373	83	1989	24	189	Nashville	159	15	604	-84	-104		
FLA. Apalachicola	79	27	207	27	57	57	Great Falls	360	120	1860	104	232	TEX. Abilene	115	13	451	26	-76		
Daytona Beach	38	4	102	5	33	33	Havre	390	103	1956	-89	120	Amarillo	177	19	807	20	-82		
Ft. Myers	22	6	42	-2	31	31	Helena	355	95	2199	195	222	Austin	70	4	215	-29	-72		
Jacksonville	63	10	187	7	-32	-32	Kalispell	322	59	2149	-136	81	Brownsville	21	6	65	23	-15		
Key West	0	0	2	2	2	2	Miles City	382	119	1784	56	143	Corpus Christi	28	-2	102	14	-19		
Lakeland	26	1	85	13	47	47	Missoula	315	62	2079	39	284	Del Rio	74	10	187	-31	-51		
Miami	13	6	33	20	31	31	NEBR. Grand Island . . .	359	135	1344	70	44	El Paso	134	14	454	-40	-139		
Orlando	28	3	81	13	41	41	Lincoln	319	99	1196	4	-19	Fort Worth	104	14	286	-61	-46		
Tallahassee	87	22	264	29	-64	-64	Norfolk	347	108	1412	20	47	Galveston	39	2	123	6	0		
Tampa	29	3	88	17	49	49	North Platte	408	175	1704	245	135	Houston	66	15	218	39	7		
W. Palm Beach	14	4	40	18	36	36	Omaha	287	73	1087	-41	-145	Lubbock	136	-3	605	-51	-166		
GA. Atlanta	128	7	483	-79	-72	-72	Valentine	413	166	1686	132	138	Midland	108	0	438	1	-15		
Augusta	102	-2	349	-99	-207	-207	NEV. Ely	281	37	1916	47	139	Beaumont	65	7	201	-18	-49		
Macon	98	6	347	39	61	61	Las Vegas	135	24	427	-4	72	San Angelo	114	22	396	27	20		
Savannah	79	-1	253	-60	-71	-71	Reno	233	35	1488	50	63	San Antonio	111	51	244	33	-37		
IDAHO. Boise	232	30	1259	-42	105	105	Winnemucca	237	20	1436	-160	-117	Victoria	54	12	160	22	-2		
Lewiston	222	31	1219	-66	144	144	N.H. Concord	244	18	1627	87	-205	Waco	89	11	244	-48	-57		
Pocatello	271	38	1683	77	128	128	N.J. Atlantic City	175	9	868	1	-150	Wichita Falls	120	7	442	-19	-46		
ILL. Cairo	163	15	618	-51	-83	-83	Trenton	145	-19	645	-207	-292	UTAH. Salt Lake C	229	19	1243	-46	230		
Chicago	219	9	968	-151	-266	-266	N.MEX. Albuquerque	214	40	967	127	92	VT. Burlington	231	-5	1382	-220	-373		
Moline	239	20	1062	-146	-214	-214	Roswell	150	-4	606	-149	-206	VA. Lynchburg	162	7	677	-130	-238		
Peoria	225	11	1087	-71	-181	-181	N.Y. Albany	204	-12	1129	-227	-546	Norfolk	110	-12	394	-158	-206		
Rockford	257	26	1291	-50	-93	-93	Binghamton	208	-18	1308	-185	-402	Richmond	138	-4	504	-200	-381		
Springfield	217	20	916	-115	-200	-200	Buffalo	187	-25	1118	-237	-292	Roanoke	151	-8	644	-172	-287		
IND. Evansville	189	16	782	-91	-159	-159	New York	138	-19	620	-165	-296	WASH. Quillayute	171	12	1126	-579	-457		
Fort Wayne	219	9	1077	-132	-232	-232	Rochester	179	-29	1102	-193	-399	Seattle-Tacoma	175	18	1012	-329	-159		
Indianapolis	217	18	984	-85	-235	-235	Syracuse	190	-15	1167	-90	-345	Spokane	284	55	1729	47	161		
South Bend	209	-5	992	-268	-205	-205	N.C. Asheville	159	3	816	-64	-84	Walla Walla	185	9	998	-90	45		
IOWA. Burlington	230	15	1009	-145	-262	-262	Hatteras	71	-18	236	-115	-212	W. VA. Beckley	184	-8	967	-255	-342		
Des Moines	263	31	1048	-225	-194	-194	Charlotte	124	-2	465	-119	-257	Charleston	170	3	774	-127	-314		
Dubuque	283	39	1386	-81	-156	-156	Greensboro	143	-2	543	-191	-231	Huntington	168	1	765	-131	-245		
Sioux City	330	88	1383	21	59	59	Raleigh	122	-11	485	-163	-328	Parkersburg	176	4	887	-27	-161		
KANS. Concordia	307	105	1044	-12	4	4	Wilmington	69	-22	240	-128	-247	WIS. Green Bay	268	11	1597	-87	-279		
Dodge City	290	101	993	39	61	61	N. Dak. Bismarck	391	95	1896	-56	-246	LaCrosse	283	33	1394	-66	-158		
Goodland	314	98	1245	-45	-117	-117	Fargo	356	53	1824	-106	-218	Madison	262	11	1364	-245	-199		
Topeka	268	78	950	-27	-49	-49	Williston	418	119	2084	48	24	Milwaukee	223	-16	1187	-299	-317		
Wichita	264	88	895	46	51	51	OHIO. Akron-Canton	193	-12	1049	-172	-195	WYO. Casper	366	120	1767	39	-32		
KY. Lexington	192	19	865	-33	-176	-176	Cleveland	201	3	1073	-110	-193	Cheyenne	317	86	1735	42	-8		
Louisville	179	8	709	-167	-270	-270	Columbus	198	0	951	-174	-162	Lander	358	93	1897	80	115		
LA. Baton Rouge . .																				



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CROP PROGRESS

HARVESTING

Percent of Acreage Harvested
 As of November 30

cotton				soybeans			
	AVG	1974	1975		AVG	1974	1975
Ala.	88	88	65	Ala.	87	90	82
Ark.	1/	73	95	Ark.	1/	77	94
Ga.	1/	90	75	Ga.	1/	86	72
La.	84	82	88	Ill.	1/	100	100
Miss.	89	78	75	Ind.	1/	100	100
Mo.	1/	1/	1/	Iowa	100	100	100
N. C.	85	86	86	La.	88	90	96
Okla.	44	18	15	Minn.	100	100	100
S. C.	89	91	90	Miss.	83	79	85
Tenn.	82	77	82	Mo.	1/	1/	2/
Texas	48	40	48	Nebr.	100	100	100
11-State	65	57	62	N. C.	68	80	65
				Ohio	100	100	100
				S. C.	62	75	68
				Tenn.	81	80	89
				Va.	1/	90	86
				U. S.	90	93	95

1/Data not available
 2/Virtually complete

