

# Weekly Weather & Crop Bulletin

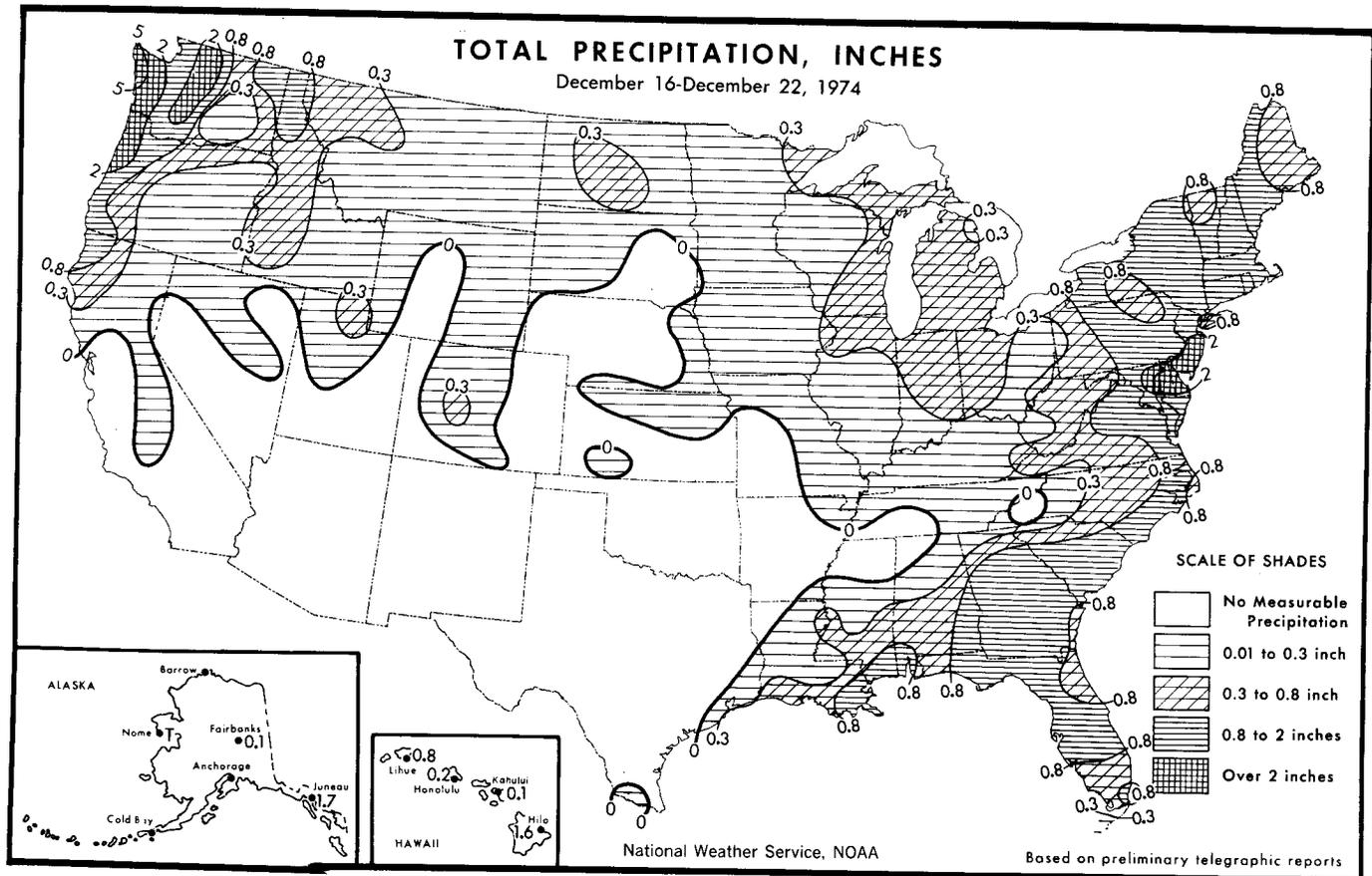
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## NATIONAL WEATHER SUMMARY

For the Week of December 16-23

**HIGHLIGHTS:** Heavy rain over the Mid-Atlantic States caused local flooding. Snow and wind over the Northern and Central Rockies endangered travelers and required an avalanche warning for the Colorado mountains. Temperature readings ranged from a low of 7° below zero at Bismark, N. Dak. on Thursday to 84° at Ft. Myer, Fla. on Saturday.

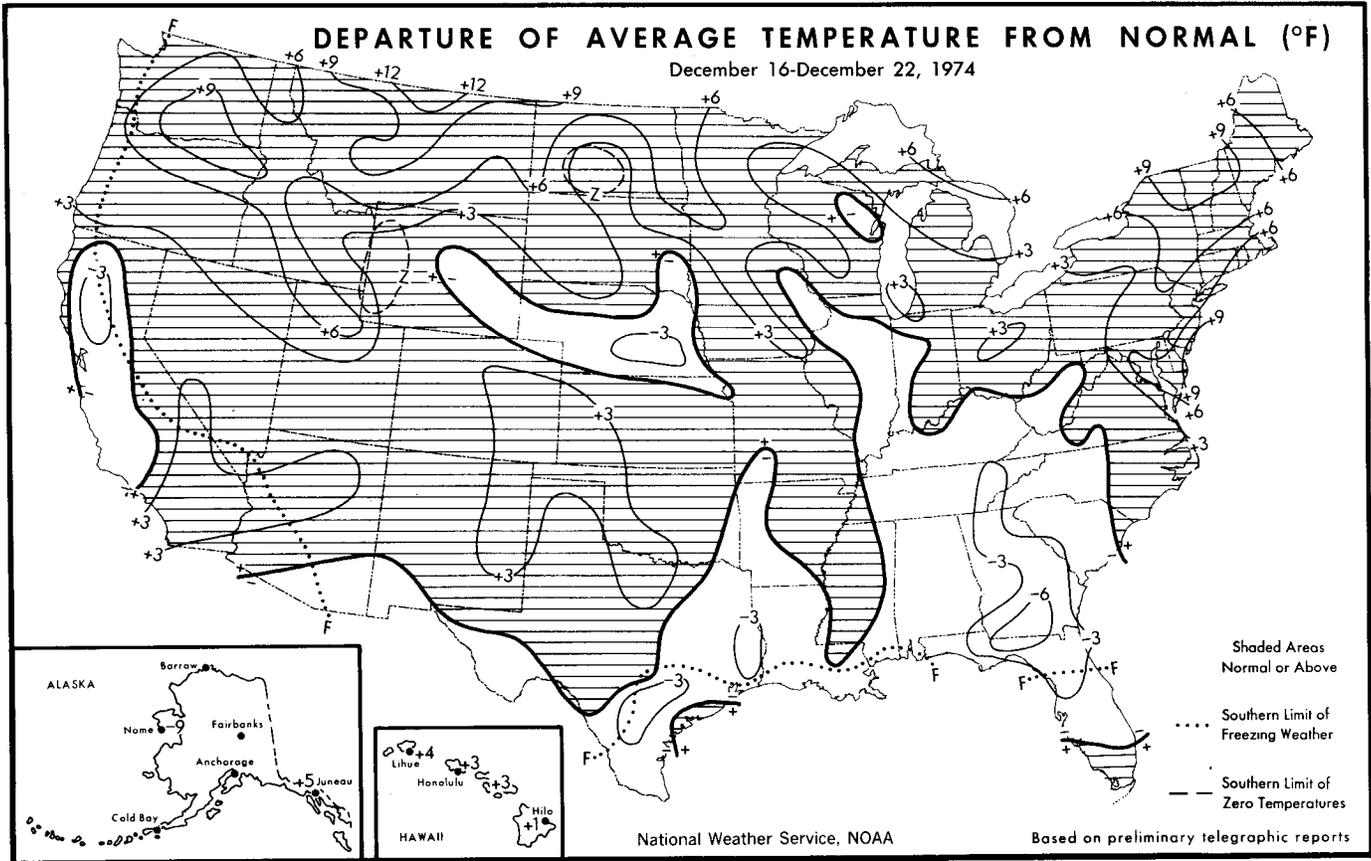
**PRECIPITATION:** The heaviest precipitation fell along the Gulf and East Coast and the Pacific Northwest Coast. Over 5.00 in. fell along the coast of Washington and 1.00 to over 2.00 in. fell from New Orleans to the coast of Maine.

Early Monday a low centered over southeastern Georgia, began moving rapidly northward and by the end of the day was off the coast of New Jersey. The heaviest rain fell in eastern Maryland, Delaware and New Jersey. Local flooding occurred in Delaware and some residents were evacuated.

On Tuesday, the East Coast storm continued northward to Maine, spreading rain along the Coast and snow in and to the west of the mountains. Snow continued over the Great Lakes, North Central Plains and into northern Illinois and Indiana.

A cold front from a low in Canada moved rapidly onto the Northwest Coast and through Montana by late Tuesday. Snow lingered in the Rocky Mountains behind the front. Ahead of the front, winds gusting to 55 mph. were reported in Montana.

On Wednesday the cold front extending into the Northern Plains from Canada slowed its movement and light snow fell along and ahead of it. Further south, a weather maker in the form of a low pressure center was forming in western Kansas. Snow continued to fall in the Great Lakes area in the lee of the Lakes. The snow spread into Ohio and Pennsylvania during the day. Another front moved onto the Pacific Coast Wednesday, continuing the



surges of maritime air that has been dictating our recent weather.

By early Thursday the low center, which had generated in western Kansas, had moved to central Illinois and trailed a cold front southwestward into Louisiana. Snow was falling from Minnesota to northern Illinois and Indiana and all around Lake Michigan. The precipitation was in the form of rain and rain showers along and ahead of the front from Illinois to Louisiana. The front that had moved into the mountains Wednesday spread some snow in the Rockies but dissipated as it moved out of the mountains.

On Friday most of the weather was occurring at the extreme corners of the Country, the southeast and the northwest. Heavy rain and showers fell all day in the southeast as the front moved slowly eastward and formed a small wave which became a low center as it moved off the Carolina's. Late Friday another front approaching the Northwest was causing rain along the Coast and into the northern mountains.

The Pacific front moved into the northern mountains Saturday. Snow and windstorms swirled over the Northern Rockies. Avalanche warnings were issued in Colorado as the strong wind moved into that State.

A deep low pressure trough formed along the front in the western mountains by Sunday. The trough and front extended from North Dakota southward to western Kansas and westward through Arizona. Light to moderate snowshowers occurred

in the northern part. Gusty winds blew throughout the northern Rockies.

**TEMPERATURE:** Most of the Nation had higher than normal average temperatures for the week. Exceptions were the Southeast where a small area in Georgia averaged 6° below normal, southeastern Texas with 3° subnormal and central Nebraska with another area of 3° below normal.

Early in the week the low pressure system in the Great Lakes area, with its counterclockwise circulation, pumped cold air into the eastern half of the country. The cool air entering the States from the west was shallow and warmed rapidly as it moved downslope off the mountains.

By midweek, a large high pressure center was located in the Gulf of Mexico. The clockwise circulation pumped warm air northward from the Rockies to the East Coast as the high moved eastward over the Gulf.

Some cold air entered the northern Great Plains Thursday when high temperature readings were in the teens.

The week was full of contrasting temperatures. Havre, Mont. had a high of 58° on Saturday, but a drop of 20° marked the passage of a cold front.

Sunday began a return of the warm southerly circulation into Texas which was destined to bring warming to all of the East, but not before Chicago began Sunday with temperatures around 5° with dense fog.

**NATIONAL AGRICULTURAL SUMMARY**

For the week of December 16-22

**HIGHLIGHTS:** Adverse weather and wet fields delayed the windup of 1974 row-crop harvesting and slowed small grain growth in several States. Drier weather over much of Texas and Oklahoma permitted favorable harvesting progress and good winter wheat growth.

**SMALL GRAINS:** Crop reporters continue to rate the winter wheat in mostly good condition. Wet and cold weather slowed crop growth over much of the South Atlantic States while across Texas, wheat and oats made good growth.

Wheat condition was generally good in Kansas and good to excellent in Illinois. Scattered light snow fell in South Dakota but moisture continues short and wheat fields were vulnerable to low temperatures. In Nebraska, the snow cover on wheat was melting.

Above normal temperatures and widespread precipitation fell from Montana to Washington. Moderate to heavy rain fell over much of Washington improving soil moisture in wheat fields. In Wyoming, strong winds caused further drying of winter wheat fields. Seeding continues in Georgia and Oklahoma in fields where cotton has been harvested.

**CORN:** Adverse weather and wet field conditions limited corn harvesting progress in Indiana, Illinois, Michigan, and Wisconsin. The Illinois crop was 96% harvested, slightly ahead of average. In Michigan, 90% of the corn for grain was harvested. Farmers were putting the finishing touches on their corn harvest in Missouri while in Kansas, harvest was virtually complete.

**COTTON:** Another week of rapid progress advanced the Texas cotton harvest to 85% complete, compared with 90% a year earlier and 68% normally. Oklahoma farmers also made good use of the dry weather and harvest of their crop was 50% complete.

Wet fields and cool weather slowed boll opening and delayed harvest in most other major southern States. Harvest in Mississippi advanced slightly to 89% versus 96% normally just prior to the holidays. In Arkansas, surplus moisture conditions limited progress and 91% of the crop has been harvested. Farmers in much of Alabama, Georgia, Louisiana, and South Carolina were limited in their harvesting progress.

Cotton picking was slow in New Mexico, while harvest continued active in Arizona. In California, harvest was nearing completion in the San Joaquin Valley and active in Desert areas.

**SOYBEANS:** Wet weather and muddy fields slowed harvest of the remaining soybean fields. In the Corn Belt; Indiana, Kansas and Missouri were virtually the only States still combining soybeans. Harvest was virtually complete in the other North Central States.

Rain and wet fields delayed harvest in most Southern States during the week. Harvest was

94% complete in Mississippi, ahead of the average 92%. In Arkansas, 96% of the crop was harvested, a gain of 2 points from the week earlier. Combining was limited to early in the period in Louisiana.

In Oklahoma, farmers took advantage of the dry and above normal weather which pushed up soybean harvesting 9 points to 84% complete.

**OTHER CROPS:** Sorghum harvest was virtually complete in Kansas, Arizona and Texas and dry weather permitted excellent progress in Oklahoma with 88% done.

Sugarbeet lifting was 98% done in Texas, much ahead of the normal 84% progress. Sugarcane harvest was in full swing in Florida and active in Louisiana. Planting of next season's crop was nearing completion in Florida.

Tobacco stripping continues in Maryland and Kentucky while marketing continues active in Kentucky and Virginia. Tobacco bed preparation was active in Florida, Georgia and the Carolinas.

**FRUIT AND NUTS:** Citrus tree condition was excellent in Florida and needed rainfall two days last week and meant irrigation was discontinued in most areas. Remaining fruit in that State was coloring well. Citrus picking was being done in Arizona. In California, navel orange harvest was active in many orchards. Lemon picking was at a brisk pace while grapefruit and tangerine harvests were normal. The citrus harvest continued heavy in Texas with good quality and size. Some Valencia picking was underway.

Pecan harvest continued active in Georgia. In Mississippi, 93% of the Pecan crop was harvested, ahead of the normal 91%. Pecan harvest in Texas was rapidly nearing completion, while in New Mexico it was virtually finished.

**VEGETABLES:** Broccoli, cauliflower, celery and lettuce harvests were active in California but shipments were curtailed due to the Christmas decline. Harvest of tomatoes and Bell peppers rapidly nearing completion in Texas, while harvest of lettuce, carrots, cabbage, and spinach continues in various stages in the different vegetable areas of Texas. Florida growers were expecting a holiday lull for most vegetable production. Tomatoes and cucumbers were on the decline while cabbage, peppers, snapbeans, and squash increased in volume. Celery, sweet corn, escarole, lettuce and eggplant production continued steady.

**PASTURES AND LIVESTOCK:** Muddy fields and pastures in the eastern third of the Nation caused heavy feeding in some areas. Native and small grain pastures furnished adequate grazing over much of Texas and Oklahoma. Pastures and feed supplies are short in many areas of the country due to the larger number of cattle being held off the market. Supplemental feeding increased in most Western States, mainly in the snow covered area but livestock are in mostly good condition.

**HOLIDAY PUBLICATION DATES**

No Bulletin will be published next week. Vol. 62 No. 1 will be published on January 7, 1975. Pertinent maps and tables for the interim week will be included in the January 7 issue.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., Dec. 22, 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 . . .	44	-1	.2	-1.0	La. Baton Rouge . . .	52	0	.3	-.9	Youngstown . . . . .	29	+1	.2	-.4
Mobile . . . . .	53	+1	1.2	-.2	Lake Charles . . . . .	52	-2	.5	-.8	OKLA. Okla. City . . .	41	+2	0	-.3
Montgomery . . . . .	46	-2	.7	-.4	New Orleans . . . . .	52	-2	1.7	+.5	Tulsa . . . . .	41	+2	0	-.4
ALASKA Anchorage . . .	---	---	---	---	Shreveport . . . . .	47	-2	T	-1.0	OREG. Astoria . . . . .	48	+5	4.2	+1.8
Barrow . . . . .	---	---	---	---	MAINE. Caribou . . . .	18	+4	.7	+.1	Burns . . . . .	32	+5	.1	-.3
Fairbanks . . . . .	-12	0	.1	0	Portland . . . . .	32	+8	1.9	+1.0	Medford . . . . .	40	+3	.8	0
Juneau . . . . .	32	+5	1.7	+.7	MD. Baltimore . . . . .	39	+5	2.1	+1.4	Pendleton . . . . .	44	+9	.5	+.1
Kodiak . . . . .	---	---	---	---	MASS. Boston . . . . .	39	+6	1.0	+.1	Portland . . . . .	48	+8	1.4	+.1
Nome . . . . .	6	-9	T	-.1	Chatham . . . . .	39	---	1.4	---	Salem . . . . .	46	+5	2.1	+.7
ARIZ. Flagstaff . . . .	34	+5	0	-.5	MICH. Alpena . . . . .	27	+5	.3	-.1	PA. Allentown . . . . .	34	+5	1.0	+.2
Phoenix . . . . .	53	+1	0	-.2	Detroit . . . . .	27	0	.5	0	Erie . . . . .	34	+2	.7	+.1
Tucson . . . . .	50	-1	0	-.2	Flint . . . . .	28	+2	.4	0	Harrisburg . . . . .	30	+3	1.4	+.7
Winslow . . . . .	36	+3	0	-.1	Grand Rapids . . . . .	27	+1	.5	0	Philadelphia . . . . .	38	+4	1.5	+.8
Yuma . . . . .	57	+1	0	-.1	Houghton Lake . . . . .	25	+4	.4	0	Pittsburgh . . . . .	30	+1	.4	-.2
ARK. Fort Smith . . . .	41	0	T	-.6	Lansing . . . . .	27	+1	.4	0	Scranton . . . . .	34	+6	.8	+.2
Little Rock . . . . .	44	+3	T	-.9	Marquette . . . . .	27	+4	.4	0	R.I. Providence . . . .	37	+7	1.3	+.4
CALIF. Bakersfield . . .	45	-2	T	-.1	Muskegon . . . . .	29	+2	.6	+.1	S.C. Charleston . . . .	48	-1	.8	0
Eureka . . . . .	49	+1	.8	-.7	S. Ste. Marie . . . . .	26	+7	.5	0	Columbia . . . . .	44	-1	1.0	+.2
Fresno . . . . .	45	0	T	-.4	MINN. Duluth . . . . .	15	+2	.3	0	Greenville . . . . .	41	-1	.1	-.9
Los Angeles . . . . .	61	+3	0	-.5	Internatl Falls . . . .	11	+4	.3	+.1	S.D. Aberdeen . . . . .	19	+4	T	-.1
Red Bluff . . . . .	41	-5	T	-.9	Minneapolis . . . . .	22	+5	.2	0	Huron . . . . .	20	+2	T	-.1
San Diego . . . . .	59	+3	0	-.4	Rochester . . . . .	18	0	.1	0	Rapid City . . . . .	30	+4	.1	0
San Francisco . . . . .	49	0	T	-.9	St. Cloud . . . . .	19	+4	.2	0	Sioux Falls . . . . .	18	-1	T	-.1
Stockton . . . . .	44	-1	T	-.6	MISS. Jackson . . . . .	48	0	.2	-1.0	TENN. Chattanooga . . .	38	-2	T	-1.2
COLO. Denver . . . . .	35	+3	T	-.1	Meridian . . . . .	47	0	.6	-.7	Knoxville . . . . .	36	-5	T	-1.0
Grand Junction . . . . .	30	+1	T	-.1	MO. Columbia . . . . .	33	+1	T	-.4	Memphis . . . . .	43	+1	T	-1.1
Pueblo . . . . .	35	+3	0	-.1	Kansas City . . . . .	31	0	T	-.4	Nashville . . . . .	39	-1	T	-1.0
CONN. Bridgeport . . . .	38	+6	1.4	+.6	St. Louis . . . . .	34	0	T	-.4	TEX. Abilene . . . . .	47	+1	0	-.3
Hartford . . . . .	31	+4	1.4	+.5	Springfield . . . . .	35	0	0	-.6	Amarillo . . . . .	40	+2	0	-.2
D.C. Washington . . . .	43	+7	1.0	+.3	MONT. Billings . . . . .	33	+7	T	-.1	Austin . . . . .	52	0	T	-.5
FLA. Apalachicola . . .	54	-1	1.6	+.8	Glasgow . . . . .	23	+7	.2	+.1	Beaumont . . . . .	51	-3	.1	-1.0
Daytona Beach . . . . .	57	-2	.3	-.2	Great Falls . . . . .	33	+7	.4	+.3	Brownsville . . . . .	62	0	T	-.3
Ft. Myers . . . . .	65	+1	.5	+.2	Havre . . . . .	32	+15	.2	+.1	Corpus Christi . . . . .	58	-1	0	-.4
Jacksonville . . . . .	51	-4	.6	0	Helena . . . . .	32	+9	.1	0	Del Rio . . . . .	52	0	0	-.1
Key West . . . . .	72	+1	.1	-.2	Kalispell . . . . .	31	+8	.3	-.1	El Paso . . . . .	44	0	0	-.1
Lakeland . . . . .	59	-3	1.4	+.9	Miles City . . . . .	27	+6	.2	+.1	Fort Worth . . . . .	50	+3	0	-.4
Miami . . . . .	69	+1	1.1	+.7	Missoula . . . . .	31	+7	.3	0	Galveston . . . . .	57	0	.7	-.1
Orlando . . . . .	59	-2	1.5	+1.1	NEBR. Grand Island . . .	22	-4	T	-.1	Houston . . . . .	53	-1	T	-.9
Tallahassee . . . . .	47	-6	1.5	+.5	Lincoln . . . . .	23	-3	T	-.1	Lubbock . . . . .	43	+2	0	-.1
Tampa . . . . .	59	-2	1.4	+.9	Norfolk . . . . .	23	0	T	-.2	Midland . . . . .	47	+2	T	-.1
W. Palm Beach . . . . .	66	0	.3	-.2	N. Platte . . . . .	24	-2	T	-.1	San Angelo . . . . .	49	+1	0	-.1
GA. Atlanta . . . . .	40	-3	.9	-.1	Omaha . . . . .	26	+1	.1	0	San Antonio . . . . .	49	-4	T	-.4
Augusta . . . . .	42	-4	1.2	+.4	Valentine . . . . .	28	+4	T	-.1	Victoria . . . . .	56	0	0	-.4
Macon . . . . .	46	-2	1.0	-.1	NEV. Ely . . . . .	28	+2	T	-.1	Waco . . . . .	48	-1	0	-.4
Savannah . . . . .	50	0	.6	-.2	Las Vegas . . . . .	46	+2	0	-.1	Wichita Falls . . . . .	47	+4	0	-.3
HAWAII. Hilo . . . . .	72	+1	1.6	-2.0	Reno . . . . .	34	+2	T	-.3	UTAH. Blanding . . . . .	31	+2	T	-.3
Honolulu . . . . .	76	+3	.2	-.6	Winnemucca . . . . .	33	+3	.1	-.1	Salt Lake City . . . . .	35	+6	.3	0
Kahului . . . . .	75	+3	.1	-.5	N.H. Concord . . . . .	30	+7	1.2	+.5	VT. Burlington . . . . .	31	+10	.8	+.3
Lihue . . . . .	76	+4	.8	-.7	N.J. Atlantic City . . . .	43	+9	2.0	+1.1	VA. Lynchburg . . . . .	37	0	.5	-.3
IDAHO. Boise . . . . .	36	+5	.7	+.4	Trenton . . . . .	39	+5	2.4	+1.7	Norfolk . . . . .	44	+3	.9	+.2
Lewiston . . . . .	41	+7	.5	+.2	N.MEX. Albuquerque . . .	36	+1	0	-.1	Richmond . . . . .	39	+1	1.4	+.7
Pocatello . . . . .	30	+4	.2	0	Roswell . . . . .	42	+3	0	-.1	Roanoke . . . . .	38	+2	.3	-.4
ILL. Cairo . . . . .	38	0	.1	-.8	N.Y. Albany . . . . .	31	+7	.9	+.2	WASH. Colville . . . . .	33	+6	1.1	+.6
Chicago . . . . .	27	0	.5	0	Binghamton . . . . .	27	+3	.9	+.3	Omak . . . . .	33	+7	.3	-.1
Moline . . . . .	24	-1	.4	0	Buffalo . . . . .	32	+5	1.0	+.4	Quillayute . . . . .	45	+5	5.7	+2.1
Peoria . . . . .	27	0	.2	-.2	New York . . . . .	39	+5	.4	-.4	Seattle-Tacoma . . . . .	45	+5	1.3	0
Rockford . . . . .	24	0	.4	0	Rochester . . . . .	31	+4	.8	+.3	Spokane . . . . .	35	+6	.6	+.1
Springfield . . . . .	31	+2	.1	-.3	Syracuse . . . . .	31	+4	.9	+.2	Walla Walla . . . . .	46	+9	.5	+.1
IND. Evansville . . . . .	34	0	.2	-.6	N.C. Asheville . . . . .	36	-2	T	-.8	Yakima . . . . .	40	+9	.1	-.2
Ft. Wayne . . . . .	27	0	.4	-.1	Charlotte . . . . .	40	-2	.3	-.5	W.Va. Beckley . . . . .	32	0	.4	-.4
Indianapolis . . . . .	31	+1	.4	-.2	Greensboro . . . . .	39	0	.5	-.2	Charleston . . . . .	35	0	.2	-.5
South Bend . . . . .	30	+3	.6	0	Hatteras . . . . .	48	+1	.6	-.4	Huntington . . . . .	35	0	.2	-.4
IOWA. Burlington . . . .	29	+3	T	-.4	Raleigh . . . . .	41	+1	.7	0	Parkersburg . . . . .	35	+1	.5	-.1
Des Moines . . . . .	26	+2	.2	0	Wilmington . . . . .	48	+1	1.1	+.3	WIS. Green Bay . . . . .	20	0	.4	+.1
Dubuque . . . . .	22	0	.3	-.1	N.DAK. Bismarck . . . . .	15	+1	.5	+.4	La Crosse . . . . .	23	+2	.2	0
Sioux City . . . . .	21	-1	.1	0	Fargo . . . . .	19	+7	.2	+.1	Madison . . . . .	24	+3	.3	0
KANS. Concordia . . . . .	31	+2	T	-.2	Williston . . . . .	22	+8	.2	+.1	Milwaukee . . . . .	25	+2	.5	+.1
Dodge City . . . . .	37	+4	T	-.1	OHIO. Akron-Canton . . . .	31	+3	.3	-.2	WYO. Casper . . . . .	24	-2	T	-.1
Goodland . . . . .	33	+4	T	-.1	Cincinnati . . . . .	33	0	.4	-.2	Cheyenne . . . . .	29	0	T	-.1
Topeka . . . . .	32	+1	T	-.4	Cleveland . . . . .	30	+1	.3	-.2	Lander . . . . .	23	+1	T	-.1
Wichita . . . . .	36	+2	T	-.3	Columbus . . . . .	32	+2	.3	-.2	Sheridan . . . . .	27	+2	.1	0
KY. Lexington . . . . .	34	-1	.1	-.7	Dayton . . . . .	32	+2	.3	-.2	P.R. San Juan . . . . .	78	+1	.8	-.2
Louisville . . . . .	36	+1	.1	-.6	Toledo . . . . .	28	+1	.4	-.1					

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:** Cold with snow flurries over northern counties December 17th. Lows early 18th varied from 15° at Winfield to 34° at Mobile. Cloudy and damp 19th and 20th as rainfall accumulations ranged from less than 0.50 in. to greater than 1.00 in., in southern and some central sections. Sunny and dry weather returned on 21st and 22d.

Main farm activities during period consisted of general repairs and chores, feeding and caring for livestock and poultry and, where weather and field conditions permitted, harvesting remaining cotton, corn and soybeans. Harvest of row crops should be virtually complete by end of year. Soil moisture was adequate to surplus. Small grains in good condition though cold weather slowed growth of latest plantings. Grazing in pastures limited and stockmen feeding large amounts of hay as temperatures decline. High cost of concentrates forcing stockmen to increase use of roughage. Supplies of these feeds short to adequate on most farms.

**ARIZONA:** Fair, dry except snow flurries northeast. Temperatures 1 to 5° above normal, south. Windy, cold air spread over State on 22d.

Cotton harvest scrapping active. Sorghum harvest nearing completion. Growth sugarbeets slowed. Small grain planting continues. Hay harvest limited. Harvest lettuce, cabbage, broccoli Yuma. Mixed vegetable activity Maricopa County. Citrus picking Salt River Valley, Yuma. Cattle good condition, sheep and lambs doing well. Range forage, pastures, supplemental feed adequate. Stock water sufficient.

**ARKANSAS:** Temperatures near normal ranging from 3 below to 2° above normal. Cold midweek to week-end, sharp warming trend weekend. Extremes: 16 and 74°. Week dry, no measurable precipitation.

Wet fields slowed harvest. Soil moisture surplus. Cotton harvest 91% complete. Soybean combining 96% complete. Virtually all wheat planted. Soggy fields turned small grains brown to yellow. Cattle losing weight from winter stress. Cattlemen feeding hay, protein supplement.

**CALIFORNIA:** Precipitation generally scattered, mainly limited to the north on 16th; over northwest end of period. Over 1.00 in. fell extreme northern areas but other amounts light. Valley low temperatures generally above freezing except in 20's some fog-free valleys. Averages above normal over mountain areas, along south coast; near normal other areas.

Fieldwork active as weather continues good. Planting small grain wide spread, early plantings doing well. Cotton harvest nearly complete San Joaquin Valley active Desert areas. Post harvest fieldwork active in most deciduous fruit and nut orchards and many vineyards. Date harvest continuing Riverside County with good quality fruit. Navel orange harvest active, many orchards reached sugar-acid acceptance level, fruit color, quality good. Valencia oranges breaking color some locations Los Angeles County. Lemon picking at brisk pace while grapefruit and tangerine harvest normal. Avocado harvest continues active with good quality fruit. Broccoli; cauliflower active central coast

with some Christmas decline. Celery active, south coast, lettuce, good quality, quantity, Imperial. Shipments curtailed due to market. Winter feeding most livestock underway north. Range feed growth slowed past week as fog and cold weather settled through central valley. New crop lambs doing well on alfalfa pastures San Joaquin Valley. Predatory animals continue problem sheep flocks. Cattle marketings remain slow, many producers carrying more cattle into winter than previous year. Livestock generally good condition. Turkey producers continue work brooder, range facilities and preparing for next season's operations. Stock water supplies remain adequate.

**COLORADO:** Week warm and marked by series fast moving Pacific fronts sweeping southeastward. Snow occurred most days mountains with foot or more new snow many areas. Reports of 235 avalanches during week and high wind warnings were issued mountains and east slopes several days. Precipitation lower elevations scattered and very light. Temperatures well above seasonal normals east and above normal elsewhere.

Mild open weather prevailed lower elevations. Farm activity limited feeding and care livestock. Livestock good condition. Weather dry lower elevations. Lower pastures and ranges remain open.

**FLORIDA:** Weather ranged from cool to mild with scattered showers. Temperatures averaged well below normal north to near normal south. Rainfall amounts were generally moderate, occurring early and then late in period.

Rains relieved drought conditions. Soybean harvest virtually complete. Cotton picking nearing completion. Sugarcane harvest in full swing. Planting next season's crop nearing completion. Rains beneficial to small grains, cold slowed growth. Preparation tobacco beds active. Planting start expected next week. Soil preparation for spring planted crops underway. Continued rains beneficial to frost damaged permanent pastures and annual grasses. Cattle and calves maintaining fair to good condition. Supplemental feeding continues to increase. Citrus tree condition excellent. Needed rain fell two days last week, irrigation discontinued most areas. Remaining fruit coloring well. Holiday lull expected for most vegetable production. Tomatoes, and cucumbers harvest declined, cabbage, peppers, snap beans, squash increased while celery, sweet corn, escarole, lettuces, eggplant held steady.

**GEORGIA:** Rain fell on most sections on 16th and again on 20th. Heavy amounts central with almost 3.00 in. reported in west central. Locally heavy amounts fell in southwest again 21st. Temperatures ranged from 2 to 6° above normal.

Soil moisture mostly adequate to excessive. Harvest of corn, cotton and soybeans nearing completion. Pecan harvest continued active. Land preparation and fall seeding continued. Tobacco bed preparation underway. Condition of small grains and pastures fair to good. Cattle fair to good condition.

**HAWAII:** Weather variable throughout. Heavy rains up to 10.00 in. fell in east Hawaii, December 20th, 21st, 22d.

Crop progress generally slow because cool weather and bruising from previous week's strong wind. Vegetables adequate supply. Bananas plentiful supply. Papaya production on the decline. Cattle and pastures in good condition. Sugar harvesting nearing end of season. Pine-apple operations slack.

**IDAHO:** Measureable precipitation again throughout ranging from 0.04 in. at Aberdeen to 0.61 in. at Boise and Mountain Home. Temperatures 1 to 3° below normal southeast to above normal elsewhere. Maxima 30's east to 40's and low 50's elsewhere. Minima teens and sub-teens east to mostly 20's remainder.

Continuing widespread winter storms restricted farm activities mainly to feeding livestock, repairing farm machinery, and working on farm records. Livestock feed supplies adequate, however feed requirements increased by colder weather. Some early lambing occurring on farm flock operations.

**ILLINOIS:** Temperatures 1° below normal north, elsewhere normal to 2° above normal. Precipitation 0.50 in. north, under 0.25 in. south. Snowstorm 18th, 2 in. north; another snow 20th to 22d 3 to 8 in. north.

Corn harvest 96% complete, 1973 harvest nearly complete December 1, 1971-73 average 95%. Average includes slow 1972 harvest. Wet fields additional snowfall limited work. Grain sorghum harvest 90% complete. Winter wheat seedings good to excellent condition. Plowing 1975 corn, and soybean acreage 57% complete, 62% 1973, average 52%. Soil moisture 4% short, 68% adequate, 28% surplus. Fieldwork: 2.5 days suitable.

**INDIANA:** Warm, cloudy week. Temperatures averaged 3° above normal while daily extremes averaged about 30 and 37°. Snow up to 3 in. on 18th and 20th in central and north. Precipitation 0.50 to 0.70 in.

Harvest and plowing activity limited by mud and snow. Major activities were drying grain, snow removal, preparations for winter, caring for livestock and chores.

**IOWA:** Temperatures averaged a little above normal south and normal elsewhere. Week started cold and ended mild. Precipitation mostly as snow from eastward moving storm systems falling mainly on 18th and again on 20th gave generally under 0.30 in. liquid to average about 0.10 in. below normal. Four to six in. of snow fell in narrow band southwest early morning of the 20th.

**KANSAS:** Temperature averages above normal throughout, ranging from 5° above normal west to 3° east. Precipitation very light.

Wheat condition generally good. Scattered dry counties in west central, southwest and north central. Corn and sorghum harvest virtually complete. Soybean harvest 95% complete.

**KENTUCKY:** Snow flurries at beginning of week, with local depths of 2 in. east. Light showers midweek and a few sprinkles end of week. Weekly precipitation mostly less than 0.24 in. Coldest temperatures in teens and low 20's on 18th and 20th. Warmest in 40's and low 50's over weekend. Average near normal.

Farm activities mostly confined to tobacco stripping and marketing, and care of livestock. Burley markets very active as farmers strive to

get crop sold prior to holidays. Volume remained heavy, prices declined a little from previous week due to poor quality. Average still nearly \$116 per cwt. Many cattle still on grass, some being turned to hay where pasture growth short.

**LOUISIANA:** Temperatures near normal as cool weather continued for 4th straight week. Temperature extremes: 76° Shreveport 22d, 27° Leesville and Minden 17th. Precipitation with frontal system evening of 19th through morning of 20th. Heaviest amounts eastern and southern parishes. Greatest 1-day rain 1.32 in. New Orleans on 20th.

Agricultural activity consisted mainly of routine chores and care of livestock. Some harvesting cotton and soybeans early week. Sugarcane harvest active.

**MARYLAND AND DELAWARE:** Temperatures variable from 2° below to 5° above normal, highs mid 40's to upper 50's; lows 20 to low 30's. A low of 11° registered Garrett County. Precipitation ranged 0.91 in. to over 2.50 in. The larger amounts were scattered throughout the two States.

Little field activity. Orchard pruning well underway. Tobacco stripping continues. Fall seeded grains rated fair to good, growth limited by earlier dry soils. Livestock good condition, roughage supplies adequate.

**MICHIGAN:** Temperatures averaged 0 to 7° above normal lower and 4 to 8° above normal in the Upper Peninsula. Precipitation, mostly snow, ranged from 0.10 to 0.50 in. throughout. The range being from 16 in. of snow in the northwest upper to 1 in., in the southeast lower.

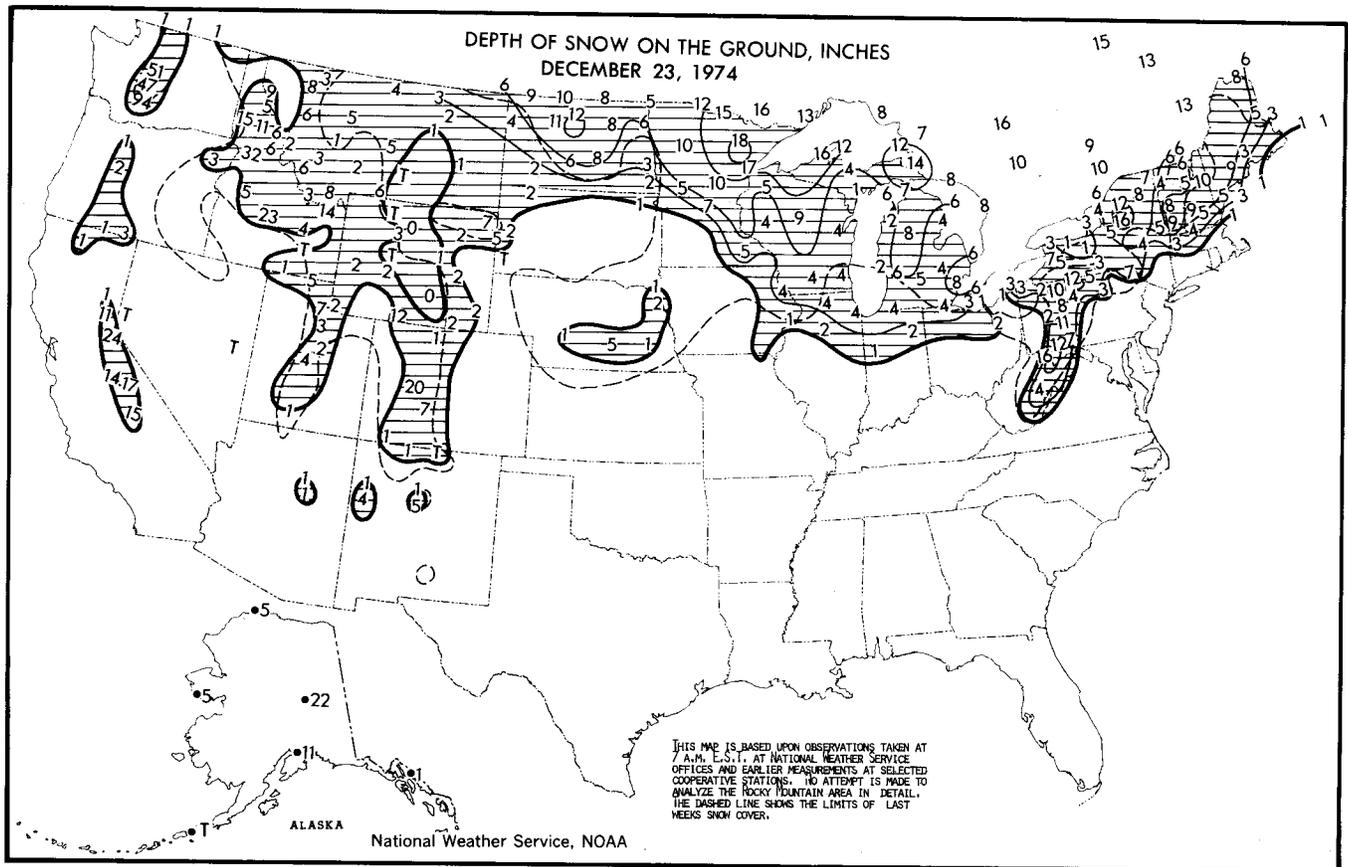
Snow and wet fields hampered corn harvesting. Fieldwork averaged 1.4 days. Grain corn 90% harvested, increased 10% in last three weeks. Crib corn condition poor to fair due to high moisture and mold. Very little fall plowing due to snow and wet fields.

**MINNESOTA:** Temperatures 2 to 7° above normal except for south 3d where normal. Extremes: 36° at Lacrescent on 22d and 7° below at International Falls on 18th. Precipitation near normal except below normal southern district. New snowfall varied from 1 to 3 in., except 3 to 8 in. over northeast on 22d. Water content of new snow 0.25 in. or less. Southwest and west central districts have least snow on ground, generally less than 1 in., elsewhere totals ranged 3 to 17 in.

**MISSISSIPPI:** Most of the rain fell on the mornings of the 15th and 19th. Temperatures averaged slightly cooler than normal. Extremes: 69 and 18°. The greatest 24-hour rainfall was 1.86 in. at Gulfport.

Soil moisture adequate to excessive. Fieldwork: 1.9 days suitable. Cotton 89% harvested, normal, 96%. Soybeans 94% harvested, normal, 92%. Corn harvest is virtually complete. Pecans 93% harvested, normal 91%. Wheat, oats pastures and livestock in mostly fair condition. Supply of hay and roughage short to adequate. Supply of feed grains mostly short.

**MISSOURI:** Temperatures were within a few degrees of normal for mid-December over the entire State. There were no very cold or warm periods although morning lows were below freezing on most days. Precipitation was light and spotty with more than half of the stations reporting less than 0.10 in. Snowfall was limited to northern sections with



less than 1 in., except in the northeast corner where as much as 3 in. fell.

**MONTANA:** Temperatures above seasonal normals most of period, maximums reaching high 40's and 50's by 21st. Precipitation generally well below normal except western division. First major outbreak arctic air and snow moved over area east of Divide early 22d, dropping 1 to 5 in. new snow.

Light to moderate snowcover protection. Winter wheat condition fair to good. Grazing closed in central and portions northeast when snow arrived on weekend. Supplemental feeding increased. General condition livestock good.

**NEBRASKA:** Temperatures above normal west and northwest, central and east below normal. Precipitation general over State, but light west. Snow cover on wheat melting.

**NEVADA:** Precipitation light and very scattered. Temperatures ranged from high 65° Las Vegas to low 10° Ely.

Livestock fair to good, condition winter ranges only fair. Supplemental feeding necessary most areas.

**NEW ENGLAND:** Precipitation some areas each day, 6 to 10 in. snow north, few hundredths inch of rain elsewhere. Temperatures generally above normal.

**NEW JERSEY:** Temperatures averaged 1 to 2° above normal. Weekly averages were: 33° north, 36° south and 38° coast divisions. Extremes:

18° at East Millstone and 57° at Cape May Court House. Weekly rainfall heavy, 1.12 in. north, 1.89 in. south and 2.86 in. coast divisions. Rainstorm on 16th and 17th dumped 1.00 to 2.00 in. of rain over much of central and south counties and 6.59 in., in 24 hours at Long Branch. Trace snowfall at numerous stations on 19th.

**NEW MEXICO:** The week was dry with only minor day-to-day changes in temperatures. Temperatures for week averaged very near late December normals. Snow was beginning northern and western mountain sections early on 23d.

Soil moisture adequate, few areas short. Winter wheat, barley fair to good. Grazing 80% irrigated 65% dry, condition declining as available moisture dwindles. Pecan harvest, sorghum combining virtually complete. Cotton picking, stalk rooding and shredding limited. Ranges fair, livestock fair to good with supplemental feeding active.

**NEW YORK:** The weather past week continued to provide above normal temperatures. There were only slight fluctuations between the maximum and minimum temperatures throughout the 24-hour period. The warm minimum temperatures accounted for the above normal readings. Mixed rain and snow fell across the State on 16th, but changed to almost all rain on 17th except for some of the higher elevations where up to 12 in. of snow was reported in the Adirondacks. Rainfall amounts from storm were substantial in the lower Hudson Valley and New York City area where up to 2.50 in. of rain fell.

**NORTH CAROLINA:** Temperatures averaged near normal. General rains fell at beginning and end of week.

Farm activities restricted by wet weather. Fieldwork: 1.1 days suitable. Soil moisture generally surplus. Small grain planting virtually complete, condition fair to mostly good. Pastures generally fair condition. Miscellaneous farm activities: feeding livestock, machinery repair, tobacco plant bed preparation and mowing ditch banks.

**NORTH DAKOTA:** Temperatures above normal all divisions, ranging from 12° above normal northwest to 1° above normal north central. Extremes: 44° at Amidon to -11 at Westhope. Precipitation below normal all divisions except southeast where it is 0.02 in. above weekly normal. Weekend temperatures fair while precipitation moderate to heavy. Greatest snow depths on ground: Minot 11 in., Devils Lake 8, Bismarck and Pembina 6 in. Some high winds caused blowing snow and low visibility over weekend.

Mild weather during week allowed normal marketing and farm work. Livestock in good condition and on winter feed due to snow cover.

**OHIO:** Little precipitation until the 19th when snow totaled 3 in. northeast, 1 to 2 in. central and then 4 in. extreme northwest on the 21st. Cloudy skies prevailed most of week with clearing starting from the southwest late on the 22d. Mild, above normal temperatures first of week gave way to below normal temperatures 20th and 21st. Range: teens to low 40's.

Livestock in good condition due to mild weather. Much building and equipment repair being completed as weather permits.

**OKLAHOMA:** Temperatures averaged normal to about 8° below normal. No measurable precipitation except a few hundredths in the southeast. The weekend was mild and dry.

Dry weather permitted harvesting of sorghums, 88% complete; cotton 50% stripped; soybeans 84% combined. Some late wheat being planted in cotton stalks. Topsoil moisture surplus in 21% of counties, short only in western Panhandle. Range conditions mostly fair to good. Livestock condition remained unchanged, good to fair. Marketings slow as prices continued unfavorable.

**OREGON:** Precipitation all areas. Coastal rainfall from 3.21 in. to 7.48 in. Over an inch of rain fell throughout western valleys, Eugene 2.57 in. East of Cascades precipitation from 0.11 in. to 1.02 in. Cool temperatures start of week, warmed to upper 50's and low 60's midweek. Cooler weather returned latter part of period. Minimums mild, lows in 40's west and 20's and 30's east.

Limited winter activities with some orchard pruning. Potato and onion movement slow. General equipment overhaul and farm repairs being done. Feed supplies seem to be adequate. Livestock in good condition.

**PENNSYLVANIA:** Heavy snow west and central, heavy rain east on 16th. Variable cloudiness, snow flurries and squalls throughout midweek. Periods of light snow or rain weekend. Maximum temperatures 20's and 30's north, 30's and 40's south. Overnight lows teens and 20's north and 20's and 30's south. Weekly precipitation 1.00 to 1.50 in. north central and southeast, up to 1.00 in. elsewhere. Snow cover on 16 confined to northern and central mountains with generally 3 to 12 in. Weekly temperatures near normal west 3 to 5° above east.

Farmers doing routine winter chores.

**PUERTO RICO:** Cool with light showers mostly over northern and eastern divisions and very little or no rain in south. Average rainfall 0.30 in. Highest weekly total 1.27 in. at Pico Del Estelunquillo. Highest 24-hour total 0.68 in. at Dorado. Temperatures averaged about 75° on coasts and 69° interior with mean temperatures ranging from 78° at San Juan to 61° at Pico Del Estelunquillo. Extremes: 90 and 47°.

**SOUTH CAROLINA:** Temperatures averaged 4 to 6° below normal in mountain, northwest, west central, north central, about normal central and 3 to 6° above normal northeast and south. Rainfall heavy, occurring on 3 or 4 days most areas and 5 days in northeast. Rainfall totals averaged 0.50 to 2.30 in.

Frequent rains interrupted harvest of soybeans which was nearing completion and harvest of few remaining acres of cotton. Grapevine pruning in Piedmont, peach tree pruning, tobacco bed preparation in Pee Dee. Turning land accounted for most other farm activities when weather permitted. Small grains, pastures benefitted from rain where not excessive.

**SOUTH DAKOTA:** Temperatures averaged 1 to 2° above normal west, 5° above normal central and east. Extremes: mid 40's, 17th and 22d, -10°, Madison 17th. Some precipitation fell as scattered light snow. Moisture continues to be short.

**TENNESSEE:** Fair weather marked beginning and end of week with passage of 2 weak and dry cold fronts. Mean temperature averaged from upper 30's to mid 40's, about seasonal. Rainfall was much below normal averaging only few hundredths at most places.

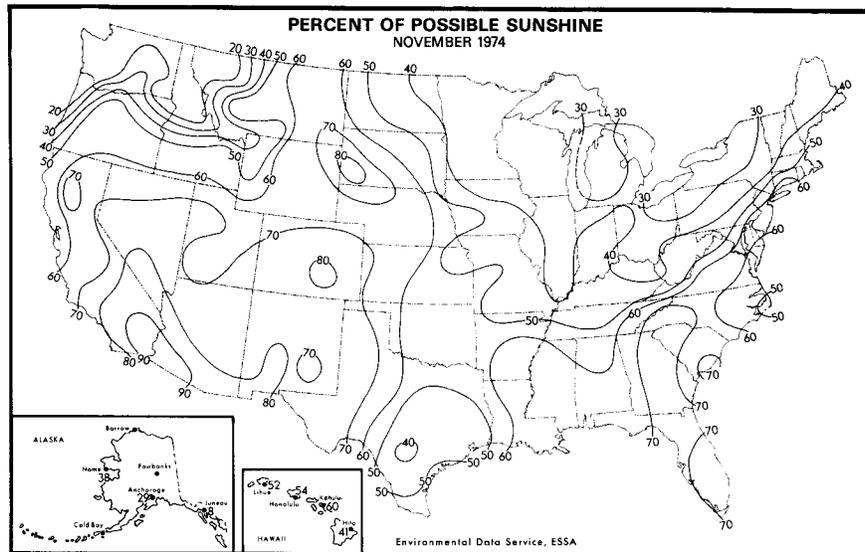
Few fields of cotton with slow opening bolls still being picked.

**TEXAS:** Fair skies, dry weather with a little precipitation extreme eastern sections. West 0.50 in. below normal, east 1.00 in. below normal. Warm temperature over State.

Cotton harvest excellent progress High, Low Plains rapidly nearing completion. Blackland, East, cold, wet weather continues to delay progress. Wheat, oats good growth across State. Grazing generally adequate. Some overstocking where farmers, ranchers try to graze maximum rates. Flax good growth south and south central. Major crops percent harvested: Cotton 85, 1973 90, average 68; corn 97, 1973 99, average 100; sorghum 100, 1973 100, average 99; soybeans 97, 1973 94, average 94; peanuts 98, 1973 100, average 100; sugarbeets 98, 1973 100, average 84.

Lower Rio Grande Valley: Tomato, bell pepper harvest rapidly nearing completion. Harvest lettuce, carrots remains light. Cabbage available in volume. Coastal Bend: Cucumber, squash harvest complete. Spinach harvest continues. San Antonio-Winter Garden: Spinach cutting remains active, cabbage, greenhouse tomatoes being harvested. Carrot digging continues. Tran-Pecos: Carrot digging complete. High Plains: Few late carrots remain to be dug. Pecan harvest rapidly nearing completion. Citrus harvest continues heavy. Quality, size continues good. Gift fruit shipments have peaked. Picking some Valencias already underway.

Small grain and native pastures furnishing adequate grazing. Growth slowed by cold weather. Over grazing evident some localities, farmers, ranchers carrying calves as long as possible because depressed market conditions. Livestock condition fair to excellent most areas. Loss



of weight evident Blacklands, East because of cold, wet weather. Many farmers, ranchers starting supplemental feed programs. Little full feeding being done.

**UTAH:** Recurring periods rain or snow, principally northwest. Little or none south and east. Accumulated amounts of moisture generally light to moderate except locally heavy few stations near Wasatch Front. Average temperatures ranged from near normal to 7° above.

Farmers and ranchers still have fairly easy access to pastures and ranges in lower valleys as snow depth is not heavy. Most agricultural activities include caring for livestock; sugarbeet processing; marketing potatoes, dry onions, and apples from storage. Turkey processing is drawing to a close.

**VIRGINIA:** Temperatures averaged a little above normal. Extremes: 65 and 19°. Precipitation near normal, occurring at beginning and late in period.

Topsoil moisture 76% adequate, 24% surplus. Fieldwork: 2.2 days suitable. Limited spreading fertilizer, lime and plowing. Small grains and forage crops normal. Livestock feeding heavy some areas. Feed supplies mostly adequate, some concern shortage later. Pressure on grass where available to offset feeding costs. Calving and lambing normal. Most crop harvest over. Farm activity included: Machinery repairs and winter storage, marketing sun, fire and burley tobacco, pruning fruit trees, chores, cutting firewood, butchering, building and fence repairs, soil sampling, ordering fertilizer and supplies and planning for 1975 and hunting and preparing for holiday season.

**WASHINGTON:** West: Mean temperatures from 3 to 8° above normal. Extremes: 50°, 30°. Precipitation a little above normal with total amounts from 0.17 in. to 3.75 in.

Mild weather continued to stretch hay supplies as cattle feed requirements were reduced. Local hay supplies generally adequate but farmers took advantage of favorable prices to replenish alfalfa. Digging of rhubarb crowns for early forcing began. Christmas tree harvest nearing an end. Pruning, tying caneberrries. Strawberry fields appeared dormant. Digging of carrots continued. Most farmers continued with winter chores and

care of animals.

East: Average readings 2 to 9° above normal. Precipitation in central basin a little less than normal ranging from 0.03 in. to 0.81 in. and a little above normal in Palouse-Blue Mountains. Total amounts from 0.81 in. to 1.08 in.

Open fall has allowed cattle to use aftermath feeds completely and stay on ranges and meadows. Fruit trees are only moderately hardy and could be damaged by a sudden cold spell. Pruning tree fruits and grapes and rodent control, fertilizing, plowing and drainage work. Soil moisture in wheat fields improving. Most winter wheat dormant and emergence of late winter wheat on recrop ground slow. Farm activities limited to machinery repair and routine livestock feeding. Blue-grass seed feeds may have been damaged by the prolonged dry period.

**WEST VIRGINIA:** Temperatures below normal central and southwest, above normal north and near normal elsewhere. Precipitation above normal north, below normal central and southwest. Precipitation was snow in the upper elevations and rain elsewhere.

Soil moisture adequate to surplus. Most cattle in good condition, some cases of shipping fever in young animals. Adequate feed supply for wintering livestock.

**WISCONSIN:** Snow fell intermittently during week. North portion received 2 to 4 in. early in week with 2 to 4 in. common in the southeast towards weekend. Water equivalent generally between 0.25 and 0.50 in. Snow finally ended south on 22d. Temperatures near normal with daytime highs in the 20's and 30's. No sub-zero temperatures reported. Frost depths averaged 4.10 in. while in 1973 snow depths averaged 5.20 in. Heaviest accumulations of snow were in northernmost counties with less amounts further south.

**WYOMING:** Temperatures averaged above normal most areas with few below seasonal normals in northern portion. Precipitation amounts below normal with only few above normal.

Snow some areas increased supplemental feeding. Strong winds caused further drying of ranges, winter wheat fields. Livestock condition good, no unusual death losses. Care of livestock major activity.

## WINTER WHEAT PROSPECTS PROMISING

The next time winter wheat farmers take their combines into the fields, they may be busy harvesting their largest crop. This is the potential, if the growing conditions evaluated December 1 hold up.

The Department of Agriculture's Crop Reporting Board forecast a crop of 1.6 billion bushels, 15 percent more than the 1974 record of nearly 1.4 billion bushels.

This current outlook was based on three major factors: more seeded acres, possibly better yields, and mostly good growing conditions as the season started.

Farmers seeded an estimated 55.5 million acres in the fall of 1974, a 6 percent gain over the previous year and the most since 1953.

The yield per seeded acre is expected to average 28.8 bushels per acre, compared with 26.5 in 1974.

Winter wheat prospects, according to the Crop Reporting Board, were generally bright on December 1, however, inadequate moisture and snow cover in some areas as well as spotty crop stands in parts of the Northern Plains and the Northwest are worthy of some attention. Seeding was virtually finished by the end of November except in the Southeast. Conditions were generally favorable in the Central Plains where seeding was done ahead of the normal pace.

Farmers in Texas were hampered to some degree by heavy rains in early September. Meanwhile, in the Northern Plains and Pacific Northwest, dry soils delayed wheat seeding. Seeding was completed ahead of schedule in Missouri and the Eastern Corn Belt States where the crop was making normal growth and reported in excellent condition at the start of December.

Seeded acreage is up in most major winter wheat States, with significant gains in Texas, Oklahoma and Kansas. Dry weather during planting held down acreages in Colorado, Idaho, South Dakota and Washington, and disappointing crops in Illinois the past two seasons may have influenced farmers to hold acreages in line with 1974.

### Rye Acreage Lowest Since 1929

Fall seedings of rye amounted to 3,166,000 acres, off 1 percent from 1974 and the fewest since 1929. The rye acreage dropped off as farmers in some States responded to demand for more wheat, while in other States the weather cut plantings.

Decreases were expected in South Dakota, off 48 percent; Oklahoma, down 25 percent; and New York down 2 percent. There were likely to be acreage increases in Georgia, up 20 percent to the highest level on the books; 16 percent in North Dakota; and 3 percent in Virginia.

Moisture conditions in the Northern Great Plains were generally short at planting time for rye and this slowed progress and restricted growth. Many South Dakota farmers were unable to seed the crop because of dry soils and even much of the acreage that did get planted is showing poor stands.

Rye conditions are mostly good to excellent in Oklahoma and the Texas High Plains where fall moisture supplies have been adequate or even in surplus.

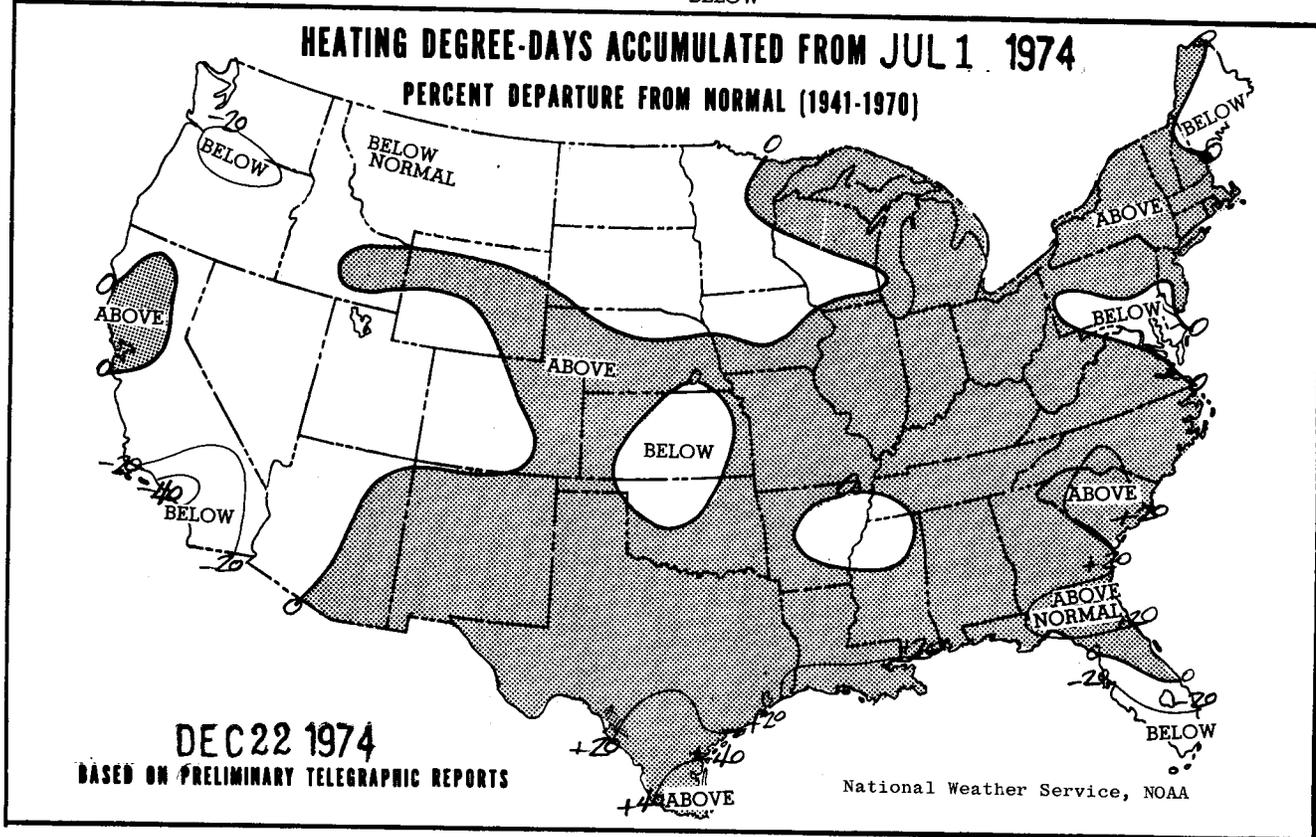
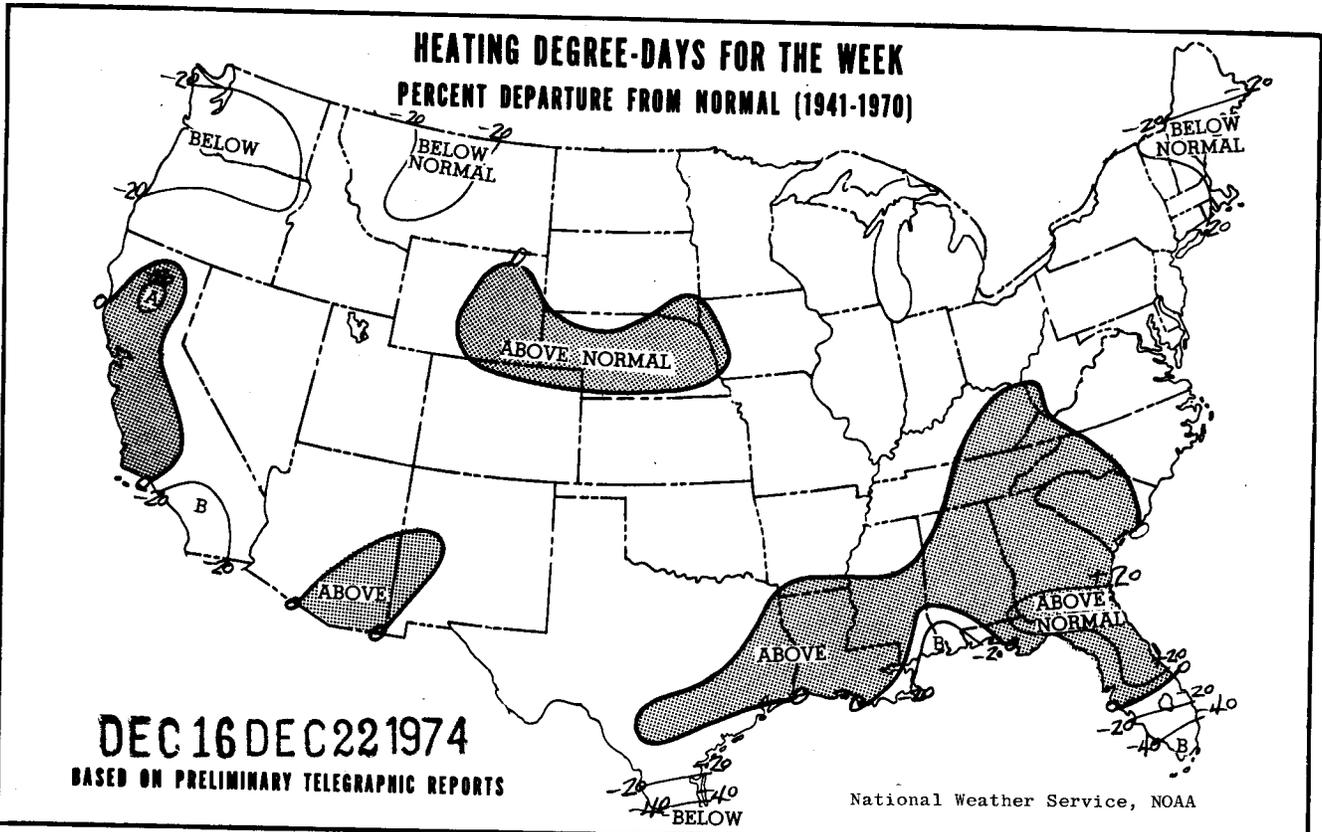
In the South Atlantic States, rye seeding was delayed by the lack of moisture but even at that farmers got most of their planned acreages seeded.

### MAJOR WINTER WHEAT STATES

State	Acreage Seeded <sup>1/</sup>			Production	
	Crop of 1974	Crop of 1975	1975 as % 1974	Crop of 1974	Crop of 1975 <sup>2/</sup>
	1,000 acres	1,000 acres	Percent	1,000 bushels	1,000 bushels
Calif.	813	1,010	124	38,844	45,450
Colo.	2,800	2,730	98	67,065	51,870
Idaho	1,060	990	93	39,770	40,590
Ill.	1,850	1,850	100	53,700	72,150
Ind.	1,440	1,560	108	50,040	62,400
Kans.	12,000	12,500	104	319,000	375,000
Mich.	950	1,030	108	37,600	39,140
Mo.	1,450	1,660	114	37,990	53,120
Mont.	2,750	3,100	113	78,175	83,700
Nebr.	3,000	3,150	105	98,600	81,900
Ohio	1,580	1,680	106	64,680	72,240
Okla.	7,000	7,350	105	134,400	161,700
Oreg.	1,120	1,150	103	47,520	42,550
S. Dak.	990	920	93	24,300	21,160
Texas	5,600	6,500	116	52,800	117,000
Wash.	2,800	2,760	99	109,060	121,440
U. S.	52,407	55,540	106	1,391,303	1,599,527

<sup>1/</sup> Total acreage seeded for all purposes. <sup>2/</sup> Indicated December 1, 1974.





Heating Degree Days (Base 65°) For Week Ending Dec. 22, 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	149	6	1039	80	184	Portland	227	-57	2336	-68	136	Tulsa	168	-15	1181	27	156
Mobile	53	-38	564	54	127	MD.Baltimore	182	-33	1407	-71	13	OREG.Astoria	117	-40	1673	-252	-378
Montgomery	130	11	847	97	182	MASS.Boston	178	-56	1719	60	213	Burns	231	-33	2344	-202	-126
ARIZ.Flagstaff	213	-37	2328	-225	71	MICH.Alpena	266	-34	2762	-29	189	Medford	171	-24	1480	-235	70
Phoenix	86	6	401	-60	65	Detroit	262	-1	2229	203	347	Pendleton	142	-65	1456	-377	-160
Tucson	100	7	609	103	130	Flint	259	-17	2274	28	258	Portland	120	-52	1276	-406	-201
Winslow	199	-26	1629	34	15	Grand Rapids	265	-5	2477	327	406	Salem	130	-41	1458	-236	-245
Yuma	56	-11	248	-46	11	Houghton Lake	281	-24	2756	-7	211	PA.Allentown	215	-34	1877	29	256
ARK.Fort Smith	170	-1	1201	129	245	Lansing	263	-10	2386	-185	251	Erie	243	-16	2177	80	344
Little Rock	148	-22	1026	-61	215	Marquette	266	-32	2652	-37	152	Harrisburg	215	-20	1753	81	315
CALIF.Bakersfield	139	14	641	-52	2	Muskegon	248	-15	2264	100	186	Philadelpia	187	-30	1410	-77	97
Eureka	109	-9	1783	-68	-115	S. Ste. Marie	271	-52	3146	127	225	Pittsburgh	239	-10	1867	-84	180
Fresno	141	1	819	-25	-36	MINN.Duluth	345	-19	3464	184	177	Scranton	216	-44	1978	-54	4
Los Angeles	45	-21	273	-206	-38	Internatl Falls	374	-31	3483	-131	123	R.I.Providence	195	-48	1874	55	194
Red Bluff	164	29	923	106	-12	Minneapolis	301	-35	2614	-106	123	S.C.Charleston	116	2	815	136	276
San Diego	41	-20	256	-122	-14	Rochester	329	-2	2697	17	146	Columbia	144	4	973	111	322
San Francisco	113	2	1009	14	-91	St. Cloud	319	-35	2974	54	198	Greenville	171	10	1255	203	196
Stockton	144	4	874	11	46	MISS.Jackson	121	3	814	78	178	S.DAK.Aberdeen	318	-30	2641	-194	-298
COLO.Denver	207	-23	2076	83	178	Meridian	126	1	817	7	206	Huron	312	-17	2531	-94	-94
Grand Junction	240	-15	1785	-115	5	MO.Columbia	224	-9	1795	188	263	Rapid City	244	-31	2314	-94	-117
Pueblo	211	-17	1750	-53	45	Kansas City	237	0	1735	123	191	Sioux Falls	330	7	2527	-47	83
CONN.Bridgeport	188	-40	1568	33	258	St. Louis	218	-2	1680	174	168	TENN.Chattanooga	189	17	1403	216	325
Hartford	237	-30	2132	135	374	Springfield	206	-2	1602	129	323	Knoxville	177	9	1242	79	149
DEL.Wilmington	181	-39	1544	33	263	MONT.Billings	220	-52	2332	-96	-47	Memphis	150	-12	1004	-43	192
D.C.Washington	156	-45	1214	-89	177	Glasgow	291	-52	2647	-337	-426	Nashville	180	3	1265	50	275
FLA.Apalachicola	79	3	413	17	54	Great Falls	219	-55	2273	-304	-339	TEX.Abilene	122	-13	937	119	268
Daytona Beach	60	11	265	19	29	Havre	232	-102	2575	-468	-476	Amarillo	164	-26	1426	72	263
Ft. Myers	20	8	85	-35	-59	Helena	228	-69	2742	-154	-169	Austin	90	-4	594	83	224
Jacksonville	94	18	522	124	112	Kalispell	256	-36	2820	-351	-48	Brownsville	15	-20	207	70	86
Key West	1	0	4	3	-17	Miles City	262	-45	2422	-222	-173	Corpus Christi	45	-8	310	80	131
Lakeland	43	8	185	10	-21	Missoula	235	-51	2570	-335	-112	Del Rio	85	-8	536	52	199
Miami	6	-8	34	-17	-53	NEBR.Grand Island	304	31	2108	25	-32	El Paso	137	-11	1014	79	151
Orlando	45	4	202	23	6	Lincoln	297	26	2020	27	-24	Fort Worth	107	-17	725	21	159
Tallahassee	124	35	701	207	221	Norfolk	290	-3	2179	-81	-26	Galveston	52	-10	327	41	115
Tampa	44	2	177	-9	-36	North Platte	291	18	2416	138	69	Houston	81	2	425	25	61
W. Palm Beach	17	-4	71	-2	-28	Omaha	269	3	1974	61	-13	Lubbock	148	-22	1226	64	288
GA.Atlanta	171	16	1090	77	203	Valentine	261	-29	2335	-89	3	Midland	123	-15	845	3	109
Augusta	162	28	1057	212	245	NEV.Ely	253	-23	2583	-123	-177	Beaumont	95	15	544	96	144
Macon	136	15	821	79	184	Las Vegas	131	-13	752	-101	-24	San Angelo	110	-11	749	25	216
Savannah	103	-4	657	30	110	Reno	219	-10	2071	-57	94	San Antonio	110	21	613	153	238
IDAHO.Boise	198	-37	1714	-292	-19	Winnemucca	222	-25	2247	-94	156	Victoria	63	-5	357	31	132
Lewiston	174	-40	1619	-312	-130	N.H.Concord	244	-47	2612	216	186	Waco	114	3	691	83	236
Pocatello	243	-29	2345	-77	-4	N.J.Atlantic City	182	-36	1585	79	175	Wichita Falls	130	-21	911	11	194
ILL.Cairo	185	-2	1272	51	179	Trenton	180	-40	1490	-3	154	UTAH.Salt Lake C	206	-43	1667	-368	-204
Chicago	261	-2	1970	73	162	N.MEX.Albuquerque	201	-6	1525	64	-26	VT.Burlington	237	-71	2521	19	121
Moline	285	8	2090	67	107	Roswell	159	-26	1334	25	271	VA.Lynchburg	194	-2	1524	135	237
Peoria	266	-1	2041	94	183	N.Y.Albany	235	-49	2440	253	245	Norfolk	142	-24	1030	-6	150
Rockford	290	1	2223	28	206	Binghamton	265	-22	2515	174	371	Richmond	177	-12	1427	169	273
Springfield	232	-17	1833	67	218	Buffalo	229	-40	2144	-3	107	Roanoke	188	-12	1559	148	269
IND.Evansville	214	0	1582	74	260	New York	180	-34	1465	57	213	WASH.Quillayute	142	-31	2008	-224	-453
Fort Wayne	261	-2	2105	118	319	Rochester	235	-31	2240	163	349	Seattle-Tacoma	136	-38	1602	-266	-128
Indianapolis	234	-12	1935	137	393	Syracuse	235	-34	2263	220	241	Spokane	212	-43	2250	-205	-122
South Bend	242	-23	1893	-152	203	N.C.Asheville	200	11	1505	58	233	Walla Walla	130	-69	1432	-253	-112
IOWA.Burlington	254	-16	2019	71	161	Hatteras	133	6	803	85	229	Yakima	174	-66	1890	-294	-152
Des Moines	275	-13	2065	-58	136	Charlotte	190	27	1298	234	262	W.VA.Beckley	228	-5	2039	119	330
Dubuque	303	0	2406	45	192	Greensboro	178	-5	1344	66	76	Charleston	212	4	1764	245	347
Sioux City	306	7	2183	-62	121	Raleigh	170	-4	1334	173	363	Huntington	206	-3	1650	133	322
KANS.Concordia	234	-16	1722	-73	-30	Wilmington	119	-9	861	121	231	Parkersburg	211	-5	1782	229	345
Dodge City	197	-30	1566	-65	43	N.Dak.Bismarck	350	-4	3155	152	-178	WIS.Green Bay	316	-1	2746	122	321
Goodland	221	-28	2078	-37	59	Fargo	323	-51	3002	-35	-151	LaCrosse	293	-19	2377	-2	132
Topeka	230	-10	1678	-4	90	Williston	299	-56	2944	-150	-339	Madison	289	-21	2399	-129	40
Wichita	203	-17	1475	-24	21	OHIO.Akron-Canton	239	-18	1992	9	361	Milwaukee	279	-15	2278	-79	180
KY.Lexington	215	3	1698	168	349	Cleveland	244	-6	2010	-85	402	WYO.Casper	287	11	2634	69	115
Louisville	203	-9	1592	84	339	Columbus	227	-21	1818	-43	272	Cheyenne	292	39	2556	89	97
LA.Baton Rouge	91	1	602	83	163	Cincinnati	225	-1	1830	209	290	Lander	290	-8	2713	-8	33
Lake Charles	87	7	537	97	133	Dayton	227	-20	1895	91	276	Sheridan	261	-20	2616	-17	-38
New Orleans	87	10	548	109	135	Toledo	254	-13	2201	152	272						
Shreveport	125	10	797	115	177	Youngstown	253	-9	2173	121	308						
MAINE.Caribou	330	-25	3253	12	197	OKLA.Okla City	164	-16	1153	-10	127						

\* Based on 1941-70 Normals.

† Accumulation July 1, 1974

## ITEMS PUBLISHED REGULARLY IN WEEKLY WEATHER AND CROP BULLETIN

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Weather, Seasonal Summaries. . . . .	Second issue of Mar., June, Sept., and Dec.	
Agricultural Summaries:		
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Other Crops. . . . .		Each issue
Fruits and Nuts. . . . .		Each issue
Vegetables. . . . .		Each issue
Pasture and Livestock. . . . .		Each issue
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## WORLD AGRICULTURAL WEATHER SUMMARY

Typhoon Bidang howled through central Luzon, Philippines, November 28 passing over the main rice area and also hitting the less important sugarcane area. Central Luzon produces only 8 percent of the country's sugarcane but accounts for 23 percent of the rice. Fortunately, over-all damage to the rice crop was negligible, but 15 to 30 percent of the sugarcane was damaged.

Chile's Wine Producers Association claims cold weather and rains in November, on top of October frosts, reduced wine prospects by 20 percent. The weather delayed harvesting of small grains and disrupted spring planting.

A Netherlands' report indicates that about 18 percent of the Dutch onion acreage may not be harvested. Keeping-quality of about one-third of the crop is poor because excessive autumn rains delayed harvesting and curing. The market has abundant supplies at low prices as growers hasten to move the poorer onions, especially those harvested after November 1. Movement of onions from Eastern Europe has been relatively light suggesting bad harvesting weather there also reduced quality and quantity of onions. Similar problems hit the United Kingdom where onion production has been increasing.

By December 1, fall seeding in Switzerland was only 40-50 percent of normal and sizeable amounts of corn and sugarbeets were yet to be harvested.

Romania usually accounts for about 18 percent of the world's sunflower oil exports, second only to the USSR. But the serious drought that plagued the country in 1974 has reduced this year's crop by perhaps as much as 15 percent.

Weather turned better in Yugoslavia where mostly sunny days with moderate temperatures after the first week of November allowed considerable progress harvesting sugarbeets and corn and seeding wheat.

Cotton, peanuts, tobacco, and other standing crops benefitted by November rains in the south-east coastal states of India.