

Weekly Weather & Crop Bulletin

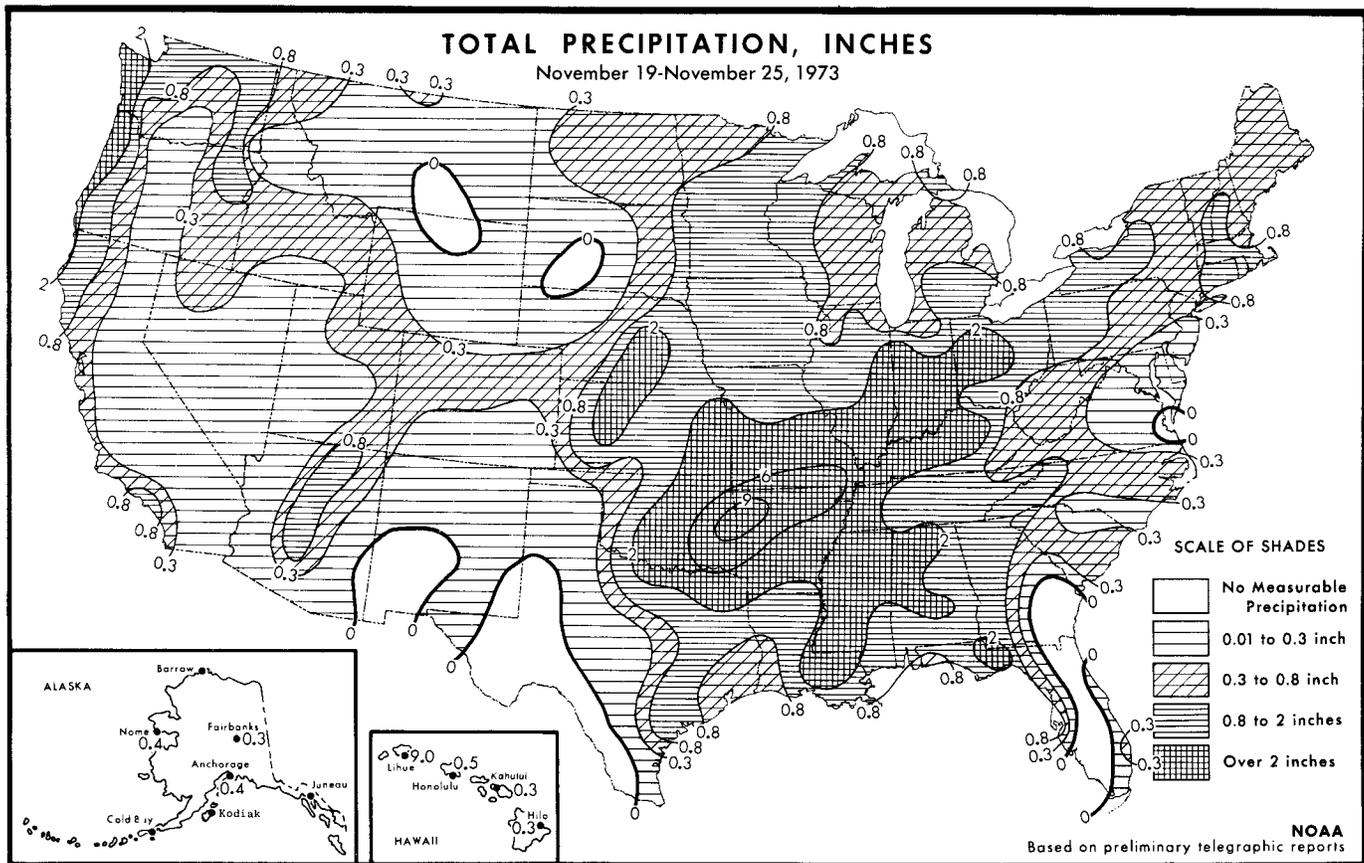
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NATIONAL WEATHER SUMMARY

HIGHLIGHTS: A series of rapidly moving fronts brought heavy rainfall to the central tier of States: 9.92 in. at Ft. Smith, Ark. The east enjoyed a very warm week, especially over the week-end, with many record high temperatures set on Sunday in the mid-Atlantic States. The west was much colder than usual with greatest extremes in Nevada and Montana.

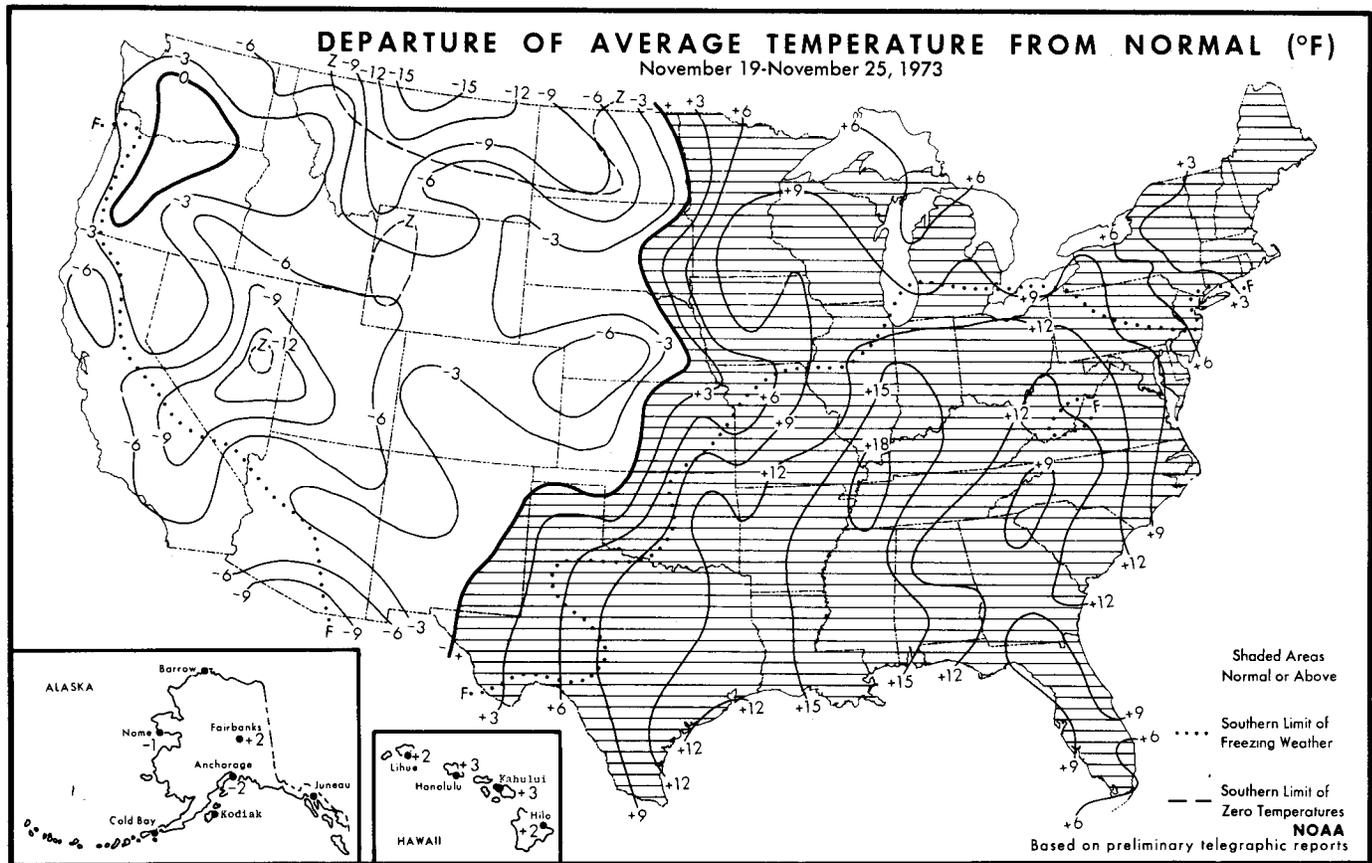
PRECIPITATION: Daily winter rains continued in the Pacific Northwest, where 2.00 or more in. accumulated along the Coast. The Nation's heaviest precipitation fell through the central tier of States. An area around Ft. Smith, Ark., had 9.00 in. rain, while large parts of Oklahoma, Missouri, and Arkansas had 6.00 in. or more rain. A large band of thundershowers left upwards of 2.00 in. rain in a wide belt extending from Texas-Oklahoma-Louisiana through the Corn Belt into western Ohio.

Monday morning, winter storms raged over the Rockies, while fog shrouded the Mississippi Valley

and Gulf States. Winslow, Ariz., had 2 in. morning snow, while Tucson had 0.65 in. rain. By evening Boulder, Colo., had 2 in. snow, while 8 in. fell on Minot, N. Dak.

Early Tuesday a Low over the western plains was building into a huge storm system extending from the Rockies to the Mississippi Valley. Heavy thunderstorms moved through Kansas and Texas. Monett, Mo., got 1.75 in. rain in 6 hours Tuesday morning, while in the afternoon, Jackson, Tenn., got the same amount in the same time. To the north, the Dakotas, western Great Lakes, and parts of the Plains had snow and freezing rain. Hill City, Kans., was covered with 8 in. snow.

By early Wednesday, Jackson, Miss., and Tallahassee, Fla., each had over 2.00 in. rain during the past 24 hours, and snow continued to fall in North Dakota. The storm triggered a rash of tornadoes in Alabama and Georgia and left a 350-mile band of foot-deep snow from southwest Kansas through north-central Nebraska.



Thanksgiving dawned fair over most of the Nation, except over the Great Plains, where heavy thunderstorm activity was prevalent. Friday, showers and thundershowers erupted violently over Texas, Oklahoma, Arkansas, Missouri, and Illinois. Ashton, Ark., received 3.15 in. rain. New Boston, Tex., had 1.50 in. in 30 minutes. Davilla, Tex., had 4.25 in. during 1 hour. Little Rock., Ark., got 3.00+ in. rain, while 1-3/4 in. hail struck Stuttgart, Ark.

Saturday, the storm brought more rain to the Nation's midsection; Poplar Bluff, Mo., got 6.00 in. rain, while the upper Great Lakes had snow. Tornadoes struck--18 in Arkansas, 4 in Texas, 2 in Missouri--and killed 3 in Missouri and 1 in Arkansas.

By Sunday, southern Missouri had received more than 7.00 in. rain since Friday. Streams swelled from Arkansas to the lower Ohio Valley, thundershowers occurred from the Great Lakes to the Gulf. Afternoon rains mostly totaled around 0.50 in.

TEMPERATURE: Temperatures averaged subnormal from the Plains to the Pacific. The greatest extremes occurred in Utah, Nevada and Montana and where temperatures averaged 9° or more below seasonal norms. Northcentral Montana averaged a cold 15° below normal. The average temperature at Havre was 9°. Parts of Nevada, all of Utah, plus the southwestern tip of Wyoming, averaged at least 6° below seasonal norms.

In contrast, most of the Nation's eastern half averaged 6° or more above normal. The Bootheel area of Missouri averaged 18° above seasonal norms,

while a large area embracing the Gulf Coast from Florida's panhandle to Corpus Christi, Tex., extending almost to Lakes Michigan and Erie, and trailing into six East Coast States, averaged 12° above normal.

The week began with a High over Alberta and Low over Nebraska, combining to bring cold Arctic air to the northern States. Cut Bank, Mont., reached an afternoon high of 9°, after a morning low of -12°. Most places in the northern Plains stayed below freezing the whole day.

Frigid air continued to pour from Canada into the Northwest Tuesday. Havre, Mont., began the day at -15°, and had an afternoon high of 17°. Meanwhile, a large High over eastern Canada brought warm air to the southeast.

By early Wednesday, the cold air had moved south into Texas, which began the day in the 30's and 40's, 30° colder than Tuesday morning. Coldest temperatures were in North Dakota, where Williston had an afternoon high of 14°.

A strong flow of warm Gulf air kept the East warmer than normal during Thanksgiving weekend thanks to a large High off the Atlantic Coast.

Afternoon highs on Thanksgiving reached the 60's as far north as Massachusetts. Behind a Midwestern cold front, turkey day highs got into the high 30's and low 40's.

From then through the weekend, the northwest stayed cold. The Saturday high at Havre, Mont., was 13°. The East continued to warm up. By Sunday, new record highs established themselves from the Gulf to Maryland. Most records were new low-80 marks. Washington, D. C., had a high of 79°, 10° above the old record for the date.

NATIONAL AGRICULTURAL SUMMARY

AGRICULTURAL HIGHLIGHTS: Heavy precipitation benefited winter wheat in Kansas and Nebraska but interrupted cotton and soybean harvest progress in the South Central States. The Nation's corn and soybean harvests advanced to over 90% complete despite the wet weather.

SMALL GRAINS: Heavy precipitation from an intense winter storm benefited Kansas and Nebraska wheat fields, but the Oklahoma and Texas Panhandles remained mostly dry. Winter wheat condition improved slightly in Nebraska where reporters rated 24% of the acreage excellent, 52% good and 24% fair.

Dry conditions in the Texas High Plains have forced some growers to reseed non-irrigated wheat fields, while wet fields in East Texas have delayed the completion of seeding. Texas wheat is 98% seeded versus 96% a year earlier. Wheat seeding in Oklahoma is completed and 97% of the acreage is up to a stand.

Snow cover is light in most Montana winter wheat areas, but good in northern Idaho. Additional precipitation improved soil moisture in eastern Washington and small grains there are in good condition for winter survival. Rain benefited small grains in most of the Corn Belt and South Central States while the South Atlantic States need rain.

CORN: Farmers made good progress harvesting corn last week despite the abundant precipitation which slowed their field operations. By November 25, the Nation's corn harvest neared completion at 93% done, sharply ahead of the 65% complete a year earlier.

The Corn Belt harvest advanced 10 points to 94% complete which is well ahead of last year's 62% done and the 5-year average of 84% done.

Harvesting neared completion in all of the Corn Belt States except in Missouri, Nebraska and Kansas which had 15% to 20% unharvested acreage remaining. Lack of adequate storage and transportation were problems in some areas and a few elevators have had to pile corn on the ground.

The Southern corn harvest neared completion but cotton and soybean harvesting took priority in most areas.

COTTON: Rain interrupted cotton harvesting in the Delta, Oklahoma, East Texas and in some areas of Arizona and California. But continued dry weather over the Texas High Plains permitted good progress as cotton harvesting in the Lone Star State advanced 8 points to 46% complete. This is ahead of last year's 41% completion, but behind the 5-year average of 50% done.

All Southern States except Louisiana and Oklahoma have 80% to 88% of the cotton harvested and picking progress was good until halted by mid-week rains. Frequent rains in Louisiana stopped harvesting and lowered quality on the 30% unharvested acreage. The Oklahoma harvest only 10% done is sharply behind last year's pace of 34% done and 40% average. Rain delayed cotton harvesting in the San Joaquin Valley of California (now 75% to 95% done) and also in central Arizona.

SOYBEANS: Precipitation interfered with soybean combining in the South Central States and in Missouri and Kansas, the only Corn Belt States not yet finished harvesting; however, good progress was accomplished in most States before the moisture arrived.

The Nation's soybean harvest was 92% complete by November 25 and far ahead of last year's 69% complete when rain and muddy fields halted harvesting progress. The Southern soybean harvest advanced 10 points to 80% complete versus only 60% a year ago.

Heavy rains ranging from 2 to 9 inches stopped the soybean harvest in Arkansas at 75% complete versus 68% last year. Rains exceeding 2 inches halted the Mississippi harvest at 81% complete versus only 51% a year earlier. Wetness also slowed combining in Alabama 80% done, Louisiana 75% done and in Tennessee 85% done.

Harvesting in the South Atlantic States moved much faster than normal. North Carolina soybeans were 82% harvested versus 50% in 1972 and 60% for the 10-year average.

OTHER CROPS: Sorghum grain combining neared completion in Texas at 97% complete and is finished in Nebraska. Rain and snow halted harvesting in Kansas at 90% done. Harvesting is 94% complete for all 7 major sorghum States together versus only 71% last year and the 5-year average of 92%.

Damp weather favored burley tobacco stripping in Kentucky and Tennessee. Farmers in the Pee Dee area of South Carolina prepared next year's tobacco beds. Flue-cured tobacco marketing neared completion in Virginia.

FRUITS AND NUTS: The California Navel orange harvest increased, color and sizes of oranges improved. Good quality grapefruit are being picked in desert areas. Citrus harvesting continued in the Salt River Valley of Arizona and increased in Texas. Florida citrus trees remained in good condition but they need rain. Pecan harvesting is 53% complete in Georgia and 58% done in Mississippi.

VEGETABLES: Tomato harvesting reached moderate volume in Florida while cucumbers and beans continued at peak levels. Other Florida crops in good supply: Cabbage, peppers, eggplant, squash and radishes. In the Lower Rio Grande Valley of Texas, moderate supplies of cabbage, peppers, cucumbers and tomatoes were available. Lettuce harvesting continued actively in central and western Arizona. In California, rain hampered the central coast celery harvest and slowed lettuce harvesting at Palo Verde.

PASTURES AND LIVESTOCK: Stormy weather brought abnormal cold and snow to much of the west and Great Plains last week. Stockmen increased supplemental feeding in northern areas where snow covered pastures limited grazing. Heavy rains and warm temperatures benefited winter pastures in the South Central Region but pastures in the South Atlantic Region need rain to relieve a generally widespread soil moisture shortage.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., Nov. 25, 1973

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 . . .	62	+11	1.6	+ .7	La. Baton Rouge . . .	72	+15	2.4	+1.3	Youngstown . . .	47	+10	1.0	+ .3
Mobile . . .	72	+15	.9	+ .1	Lake Charles . . .	71	+13	.6	- .5	OKLA. Okla. City . . .	53	+8	2.6	+2.2
Montgomery . . .	66	+14	2.2	+1.4	New Orleans . . .	73	+15	1.1	+ .3	Tulsa . . .	57	+12	5.3	+4.8
ALASKA. Anchorage . .	18	- 2	.4	+ .2	Shreveport . . .	66	+12	1.5	+ .5	OREG. Astoria . . .	43	- 2	3.5	+1.0
Barrow . . .	---	---	---	---	MAINE. Caribou . . .	30	+ 2	.6	- .1	Burns . . .	27	- 7	.5	+ .2
Fairbanks . . .	3	+ 2	.3	+ .2	Portland . . .	37	+ 1	.6	- .4	Medford . . .	41	0	.9	+ .3
Juneau . . .	---	---	---	---	MD. Baltimore . . .	52	+ 9	.1	- .6	Pendleton . . .	41	+ 2	.5	+ .2
Kodiak . . .	---	---	---	---	MASS. Boston . . .	44	+ 1	.8	- .1	Portland . . .	42	- 2	1.8	+ .5
Nome . . .	13	- 1	.4	+ .1	Chatham . . .	43	---	1.3	---	Salem . . .	41	- 3	3.4	+2.0
ARIZ. Flagstaff . . .	25	- 9	1.0	+ .8	MICH. Alpena . . .	39	+ 7	.5	- .1	PA. Allentown . . .	46	+ 7	.5	- .3
Phoenix . . .	52	- 4	.8	+ .7	Detroit . . .	46	+ 9	1.0	+ .5	Erie . . .	46	+ 9	.8	0
Tucson . . .	47	- 9	.2	0	Flint . . .	45	+11	1.8	+1.3	Harrisburg . . .	49	+ 8	.4	- .3
Winslow . . .	36	- 2	.5	+ .4	Grand Rapids . . .	44	+ 8	1.3	+ .7	Philadelphia . . .	51	+ 9	T	- .8
Yuma . . .	55	- 5	T	0	Houghton Lake . . .	39	+ 7	1.2	- .2	Pittsburgh . . .	50	+12	1.2	+ .6
ARK. Fort Smith . . .	60	+12	9.9	+9.2	Lansing . . .	44	+ 9	4.4	+ .7	Scranton . . .	42	+ 4	.6	- .1
Little Rock . . .	62	+15	3.9	+2.9	Marquette . . .	39	+ 8	.4	- .6	R.I. Providence . . .	43	+ 2	.9	- .1
CALIF. Bakersfield . .	48	- 6	.1	0	Muskegon . . .	43	+ 6	.7	- .1	S.C. Charleston . . .	67	+13	.4	- .1
Eureka . . .	46	- 5	2.5	+1.4	S. Ste. Marie . . .	35	+ 4	1.3	+ .5	Columbia . . .	66	+14	.3	- .3
Fresno . . .	46	- 6	.1	- .1	MINN. Duluth . . .	32	+ 8	1.3	+ .9	Greenville . . .	57	+ 7	.7	+ .1
Los Angeles . . .	55	- 7	.9	+ .6	Internatl. Falls . .	27	+ 7	.6	+ .2	S.D. Aberdeen . . .	23	- 5	.5	+ .4
Red Bluff . . .	44	- 7	.4	- .2	Minneapolis . . .	38	+11	1.9	+1.6	Huron . . .	29	+ 1	.7	+ .6
San Diego . . .	56	- 5	.7	+ .5	Rochester . . .	39	+11	1.6	+1.2	Rapid City . . .	29	- 3	T	- .1
San Francisco . . .	50	- 4	.3	- .1	St. Cloud . . .	35	+ 9	1.4	+1.1	Sioux Falls . . .	35	+ 6	.8	+ .5
Stockton . . .	46	- 5	.2	- .1	MISS. Jackson . . .	69	+16	2.5	+1.6	TENN. Chattanooga . .	58	+10	1.6	+ .7
COLO. Denver . . .	31	- 4	.4	+ .3	Meridian . . .	68	+16	1.4	+ .7	Knoxville . . .	58	+11	1.0	+ .2
Grand Junction . . .	34	- 2	.7	+ .6	MO. Columbia . . .	50	+ 9	1.7	+1.1	Memphis . . .	64	+16	2.4	+1.4
Pueblo . . .	36	- 2	.1	0	Kansas City . . .	46	+ 4	2.0	+1.6	Nashville . . .	61	+15	1.8	+1.0
CONN. Bridgeport . . .	48	+ 5	.8	- .2	St. Louis . . .	52	+11	2.5	+1.9	TEX. Abilene . . .	59	+ 9	.1	- .1
Hartford . . .	42	+ 3	.9	- .1	Springfield . . .	54	+12	5.6	+5.0	Amarillo . . .	47	+ 4	.1	- .1
D.C. Washington . . .	56	+10	T	- .7	MONT. Billings . . .	27	- 5	T	- .1	Austin . . .	67	+10	.5	0
FLA. Apalachicola . .	70	+10	1.4	+ .8	Glasgow . . .	14	-10	T	- .1	Beaumont . . .	70	+12	.3	- .6
Daytona Beach . . .	73	+ 9	.2	---	Great Falls . . .	22	-10	T	- .2	Brownsville . . .	76	+10	.1	- .2
Ft. Myers . . .	76	+ 8	T	- .3	Havre . . .	9	-17	.3	+ .2	Corpus Christi . . .	74	+12	.2	- .2
Jacksonville . . .	69	+ 9	0	- .4	Helena . . .	20	- 9	T	- .1	Dallas . . .	---	---	---	---
Key West . . .	79	+ 5	T	- .6	Kalispell . . .	25	- 4	.3	0	Del Rio . . .	64	+ 7	T	- .1
Lakeland . . .	74	+ 8	.1	- .2	Miles City . . .	25	- 4	T	- .1	El Paso . . .	48	- 1	T	- .1
Miami . . .	78	+ 7	T	- .7	Missoula . . .	26	- 2	.2	0	Fort Worth . . .	63	+11	1.5	+ .9
Orlando . . .	74	+ 9	0	- .3	NEBR. Grand Island .	27	- 7	2.4	+2.2	Galveston . . .	71	+10	.4	- .5
Tallahassee . . .	67	+ 9	2.1	+1.5	Lincoln . . .	37	- 1	1.8	+1.5	Houston . . .	70	+13	.7	- .2
Tampa . . .	75	+10	1.0	+ .7	Norfolk . . .	32	0	1.6	+1.4	Lubbock . . .	50	+ 4	T	- .1
W. Palm Beach . . .	76	+ 5	.2	- .8	N. Platte . . .	27	- 6	.4	+ .3	Midland . . .	54	+ 4	T	- .1
GA. Atlanta . . .	61	+11	1.5	+ .8	Omaha . . .	38	+ 4	1.3	+1.0	San Angelo . . .	59	+ 7	T	- .2
Augusta . . .	62	+10	.2	- .3	Valentine . . .	29	- 1	.2	+ .1	San Antonio . . .	67	+10	.2	- .1
Macon . . .	64	+10	.8	+ .2	NEV. Ely . . .	19	-13	.1	0	Victoria . . .	72	+12	.8	+ .3
Savannah . . .	68	+12	T	- .4	Las Vegas . . .	45	- 5	T	0	Waco . . .	65	+11	.4	- .1
HAWAII. Hilo . . .	75	+ 2	.3	-2.8	Reno . . .	34	- 2	T	- .1	Wichita Falls . . .	59	+ 9	1.7	+1.4
Honolulu . . .	77	+ 3	.5	0	Winnemucca . . .	31	- 3	.3	+ .1	UTAH. Blanding . . .	30	- 6	.7	+ .6
Kahului . . .	77	+ 3	.3	-1.2	N.H. Concord . . .	36	+ 1	.3	- .6	Salt Lake City . . .	28	- 6	.5	+ .2
Lihue . . .	76	+ 2	9.0	+8.0	N.J. Atlantic City . .	51	+ 6	.1	- .8	VT. Burlington . . .	36	+ 3	.3	- .4
IDAHO. Boise . . .	32	- 4	.6	+ .3	N.MEX. Albuquerque . .	50	+ 6	.2	- .5	VA. Lynchburg . . .	56	+12	.2	- .4
Lewiston . . .	37	- 1	T	- .3	Roswell . . .	46	+ 2	T	- .1	Norfolk . . .	57	+ 7	T	- .7
Pocatello . . .	28	- 5	.3	+ .1	N.Y. Albany . . .	37	+ 1	.5	- .2	Richmond . . .	57	+10	T	- .7
ILL. Cairo . . .	64	+19	5.5	+4.6	Binghamton . . .	43	+ 7	.8	+ .2	Roanoke . . .	54	+10	.3	- .3
Chicago . . .	47	+10	.6	+ .1	Buffalo . . .	46	+10	.9	0	WASH. Colville . . .	28	- 4	1.3	+ .8
Moline . . .	45	+ 9	.6	+ .1	New York . . .	50	+ 5	.5	- .3	Omak . . .	27	- 5	.7	+ .4
Peoria . . .	47	+10	1.0	+ .5	Rochester . . .	45	+ 8	.8	+ .2	Quillayute . . .	39	- 5	4.5	+1.3
Rockford . . .	44	+10	.9	+ .3	Syracuse . . .	41	+ 3	1.3	+ .6	Seattle-Tacoma . . .	43	0	1.6	+ .3
Springfield . . .	51	+12	.7	+ .1	N.C. Asheville . . .	54	+ 9	1.3	+ .8	Spokane . . .	28	- 6	.8	+ .3
IND. Evansville . . .	57	+15	3.4	+2.6	Charlotte . . .	58	+10	.1	- .5	Walla Walla . . .	40	0	1.0	+ .6
Ft. Wayne . . .	49	+13	1.2	+ .6	Greensboro . . .	56	+10	.4	- .2	Yakima . . .	36	+ 1	.1	- .1
Indianapolis . . .	53	+15	2.1	+1.3	Hatteras . . .	61	+ 7	.6	- .4	W.Va. Beckley . . .	52	+12	.4	+ .3
South Bend . . .	49	+12	.3	- .3	Raleigh . . .	60	+12	.4	- .3	Charleston . . .	54	+11	.5	- .2
IOWA. Burlington . . .	45	+ 9	1.9	+1.4	Wilmingon . . .	63	+ 9	.2	- .4	Huntington . . .	55	+12	.5	- .2
Des Moines . . .	43	+ 9	1.4	+1.0	N.DAK. Bismarck . . .	16	-10	.3	+ .1	Parkersburg . . .	54	+12	.6	0
Dubuque . . .	42	+10	1.2	+ .6	Fargo . . .	24	0	.8	+ .6	WIS. Green Bay . . .	39	+ 8	.5	0
Sioux City . . .	38	+ 5	1.4	+1.1	Williston . . .	13	-11	.2	+ .1	La Crosse . . .	39	+ 8	1.0	+ .5
KANS. Concordia . . .	40	+ 1	1.3	+1.1	OHIO. Akron-Canton . .	50	+12	1.2	+ .7	Madison . . .	42	+11	.8	+ .2
Dodge City . . .	37	- 3	1.3	+1.1	Cincinnati . . .	53	+13	1.9	+1.2	Milwaukee . . .	43	+10	.7	+ .1
Goodland . . .	30	- 6	.5	+ .4	Cleveland . . .	50	+12	1.2	+ .5	WYO. Casper . . .	26	- 5	.1	- .1
Topeka . . .	45	+ 5	2.1	+1.8	Columbus . . .	52	+13	2.5	+1.9	Cheyenne . . .	29	- 3	T	- .1
Wichita . . .	45	+ 4	.8	+ .4	Dayton . . .	52	+13	2.1	+1.4	Lander . . .	23	- 5	.3	+ .1
KY. Lexington . . .	56	+14	2.7	+1.9	Toledo . . .	47	+11	1.0	+ .5	Sheridan . . .	24	- 7	T	- .2
Louisville . . .	57	+15	3.9	+3.1						P.R. San Juan . . .	80	+ 1	.2	-1.4

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: Wet, unseasonably warm. Temperatures averaged 14° above normal. Extremes: 39°, Gadsden; 84°, Mobile. Statewide rain 2 or more days, 5 days some areas. Harvest remaining crops slowed by midweek rains.

Cotton harvest 80% complete, about equal with 1972. Corn harvest slow because cotton and soybean harvests have priority, about 87% harvested, practically same as year earlier. Soybeans 80% harvested, 75% in 1972. Only few weeks open weather needed to get remaining beans out of fields. Rains benefited small grain seedlings, especially southeast counties. About 90% small grains seeded. Farms have sufficient moisture to plant remaining acreage. Pastures supplying seasonally short to adequate grazing, but grass quality poor.

ARIZONA: Major storm continued central, White Mountains and northeast through Monday. Snow depths 6 to 12 in. White Mountains and rim above 7,000 feet. Precipitation 0.50 to 1.00 in. central valleys and mountains, more than 1.00 in. White Mountains. Temperatures averaged 5° to 10° below normal. Subfreezing in valleys of southeast midweek and weekend.

Rain slowed cotton harvest Maricopa and Yuma areas. Most first pickings complete Pima, and some second picking underway Yuma. Some scrapping Salt River Valley, Yuma. Sugarbeets, Yuma, good progress Sorghum harvest of late fields in Yuma County increasing as fields mature. Harvest continues Graham County. Sorghum yields at or slightly less than average Pima County where harvest virtually complete. Seedbed preparations, plantings small grains continue. Alfalfa hay harvest seasonal low, new plantings satisfactory progress. Lettuce harvest continued full volume central and west. Some acreage southcentral abandoned due to low prices. Mixed vegetable harvest active. Later plantings Yuma area irrigated up.

Harvest fall melons continued. Picking navels, lemons, grapefruit, tangerines continued Salt River Valley. Grapefruit and lemon harvest continued Yuma. Sizes smaller, quality very good. Ranges improved slightly, mostly fair condition. Central deserts, higher mountains got good moisture. South-eastern, southwestern ranges still need rain. Existing feed fair supply many areas, drought reduced nutritional value. Cattle, calves mostly good. Sheep, lambs fair to good. Fall lambing, shearing active.

ARKANSAS: Heavy rains many parts of State late week and weekend caused number of small streams to spill out of banks. Largest totals along north and west borders. Ft. Smith 10.34 in., Mountain Home 10.25 in., Harrison 9.62 in., and Fayetteville 9.47 in. Many totals in excess of 6.00 in. northern half. Some localities southern border had only 1.00 in. Abnormally warm with departures +9° to +15°. Extremes: 83° at El Dorado on 24th, 29° at Gilbert on 21st.

Rain virtually stopped harvest. More open weather needed. Cotton 85% picked compared to 80% in 1972. Mostly second picking remaining. Rice harvest almost complete. Combining of soybeans 75% complete. Feed grains harvest mostly complete. Good growth on early wheat and oats, additional planting expected if weather permits. Pecan harvest

continues. Pastures supplying above average amounts feed. Livestock good to excellent.

CALIFORNIA: Very cool, cloudy, wet. Precipitation over 2.00 in. some north coastal areas to about 0.30 in. along central and south coast; lighter amounts in San Joaquin Valley. Sections of south-east interior had their first fall rain. Temperatures about 6° subnormal over much of State.

Rain stopped fieldwork north half, delayed operations San Joaquin Valley. Early planted small grain up, doing well. Cotton: 75% to 95% picked San Joaquin Valley. Harvest of corn, sorghum well along but rain stopped harvest Sacramento Valley. Cold storage table grape shipments continued. Pruning and other vineyard operations active when weather permitted. Pruning increased in deciduous orchards. Dormant sprays applied to some stone fruit orchards. Normal winter operations when weather permitted.

Navel orange harvest increased--better maturity, color and sizes. Tangerines began to color El Centro area. Picking active elsewhere. Lemon harvest still lagged due to small sizes. Desert grapefruit picked, good quality. Avocado harvest continued light. Artichokes normal levels. Broccoli Salinas, Santa Maria moderate, good quality. Salinas cauliflower diverted to freezers, inferior quality. Brussels sprouts showed rain damage. Carrots: Slow Salinas--wet fields, light Imperial, beginning Westside. Rain hampered central coast celery. Sweet corn continued Kern, south. Rain slowed Palo Verde lettuce near end of week. Onion transplanting Stockton continued. Wet fields slowed potato harvest Stockton, Salinas. Market tomato volume lighter.

Recent rains started range grasses south. Northern pastures miry, result earlier rains. Ranchers increased supplemental feeding. Water supplies adequate. Lambing, calving continued lower valleys, coastal areas. San Joaquin Valley sheep graze stubble. Most turkey flocks moved to market for holiday trade. Bee colonies good condition for overwintering.

COLORADO: Moderate to heavy snow over much of State. Strong northerly winds caused considerable blowing and drifting. Snow of 6 in. or more fell locally east and in mountain areas. After midweek, occasional snows fell in mountains and in west, little or no moisture east. Weekly precipitation amounts generally light to moderate ranging from about 0.10 in. in San Luis Valley to an average of 0.50 in. in Colorado River Basin. Delhi and Dolores both received over 1.00 in. moisture. Dolores had 12 in. snow on ground on 23rd. Temperatures 2° to 4° subnormal. Below 0° lows reported locally in higher elevations west, 6° below 0° at Steamboat Springs early on the 22nd.

Snow Monday halted harvest except where light. Corn 72% harvested, 5-year average 80%. Grain sorghum 68% combined, 95% average. Wind and insect damage lowered winter wheat condition. Ranges, pastures provided ample forage except areas of heavy snowfall. Livestock good to excellent. Some supplemental feeding necessary.

FLORIDA: Temperatures averaged much above normal. Little or no rainfall except in panhandle, where amounts locally heavy midweek. Soil moisture

short statewide. Soybean, cotton harvest almost over. Sugarcane harvest active, increasing. Pecan harvest continued, yields good. Small grains and winter grazing suffered from lack of moisture. Cattle and calves fair to good. Pastures very poor to fair, some in severe drought condition.

Tomato volume now moderate, peak fall harvest expected last half December. Cucumbers and beans should continue at peak level this week and next. Improved yields limited seasonal decline of Everglades sweet corn as harvest shifts to east coast in early December. Celery supplies should increase weekly to good volume by mid-December. Quality, size, seasonally fair but improving. Cabbage movement should jump upward in early December when cutting in all areas starts or increases. Pepper harvest increased. Eggplant, squash, and radishes continued in good supply. Escarole, endive, romaine, iceberg and other leafy salad crops available in increasing supply as market conditions warrant. Citrus trees good--last week dry--rain needed--irrigation being used where fuel available--very little leaf curl.

GEORGIA: Cool early week, much warmer thereafter. Temperatures 5° to 9° above normal. Rainfall welcomed at midweek, amounts averaging 0.75 to 1.25 in. west and north and only 0.10 to 0.20 in. south-east. Very warm over weekend, scattered showers extreme north.

Moisture shortages central and south relieved by midweek and weekend rains. Harvest active before and after showers. Small grain seeding 72% complete--some poor stands due to earlier dry weather. Soybean combining very active, 81% complete. Cotton 86% picked. Corn 88% gathered--condition fair to mostly good. Pecans 53% harvested--some poorly filled and weigh-out light. Grazing limited in drier sections. Cattle still good. Fire ants remain troublesome central and south. Liming active. Fall fertilization application higher than normal.

HAWAII: Heavy rain and strong winds in Leeward area and mountains. Damage to crops generally light. Wet weather slowed farm operations. Rain helped pastures, especially in Leeward area. Spraying for diseases and insects active. Bananas and papayas continued plentiful but decrease in papayas expected. Supply of most vegetables adequate. Wet weather limited activity at pineapple and sugar plantations.

IDAHO: Cool weather and precipitation statewide. Snow showers all areas, heavy accumulations mountain areas. McCall reported 23 in. snow and Lewiston 9 in. for weekly total. Temperatures subnormal, highs in upper 40's and lows in upper teens and 20's. Precipitation much above normal.

Cold weather and snow limited farm activities livestock care and machinery repair. Harvested fields provided grazing for cattle and sheep still on pastures. Livestock operators trying to hold down cost of feeding high-priced supplements. Good snow cover north winter grain areas. A few sugar beet fields remain unharvested.

ILLINOIS: Temperatures 9° to 15° above normal. Some daytime highs 50's and 60's. Precipitation moderate north, heavy south. Corn harvest almost over, 60% 1972, 1970-72 average 85%. Grain sorghum nearly 90% harvested. Fall plowing 1974 corn and soybean acreage about 60% complete, 26% 1972, average 45%. Winter wheat seedings 93% good to excellent. Pastures 81% fair to good supplying about 40% livestock roughage requirements, about normal. Soil moisture short 2%,

adequate 89%, surplus 9%. Fieldwork: 5 days suitable. Farmers plowed, harvested corn and applied fertilizer.

INDIANA: Warm, wet week. Temperatures averaged 14° above normal. Rainfall exceeded 4.00 in. parts of South. Tornado near Salem and Scottsburg destroyed mobile homes and injured several people. Showers slowed field activities.

Farmers averaged 5 days fieldwork. Topsoil moisture adequate. Subsoil moisture short to mostly adequate. Corn 95% harvested, average 75%, only 45% in 1972. Storage and transportation still a problem. A few elevators storing corn on ground. Sorghum grain 90% combined, 60% in 1972. Plowing for 1974 crops reached 45% complete. Pastures declined, rated mostly fair.

IOWA: Very heavy rains accumulated 1.00 to 2.00 in. early week but Thanksgiving sunny and mild. The second successive week of temperatures about 8° above normal.

Slightly more than 4 days suitable for fieldwork week ending Friday, November 23. Corn harvest 94% complete. Harvesting of corn most advanced in northeast Iowa with 96% completion and least advanced in southeast Iowa with 89% completion. Grain sorghum harvest 98% complete. Intended fall plowing 59% complete. Motor fuel supplies 91% adequate, 9% short. Fertilizer supplies 70% short, 30% adequate. Topsoil moisture 1% short, 66% adequate, 33% surplus. (This is final weekly crop report for 1973. Weekly reports will be resumed in April 1974.)

KANSAS: Intense midweek storm brought heavy snow, blizzard conditions to northwest and extreme west. Norton and Decatur Counties got 13 and 16 in. of snow, respectively. Rainfall other areas, 24-hour amounts over 2.00 in. Temperatures averaged 6° subnormal northwest to 11° above southeast.

Moisture helped winter wheat. Row crop harvest active early in week, rain and snow halted it at midweek. Sorghum grain 90% harvested, 50% 1972, 90% average. Corn for grain 80% harvested, 70% 1972, 90% average. Soybeans 90% harvested, 70% 1972, average 95%. Cattle movement heavy. Winter wheat pasture slightly improved.

KENTUCKY: Mostly cloudy, temperatures averaged 10 to 15° above normal. Rainfall throughout week, locally heavy on weekend. Rainfall averaged near 1.00 to 1.50 in. Damp conditions favored burley tobacco stripping. Recent rains have replenished soil moisture most areas and benefited small grains and pastures. Wet conditions made harvest remaining corn and soybeans difficult, but generally harvest nearly complete. Burley tobacco markets opened November 26.

LOUISIANA: Warm week. Temperatures 10° to 17° above normal, record high for date set several locations. Extremes: 88° Bunkie Monday, 38° Cotton Valley Wednesday. Scattered showers and thunderstorms 2 to 5 days. Weekly amounts ranged from 0.50 in. to near 2.50 in. Greatest 1-day total reported 2.05 in. Clinton Wednesday morning. Rains halted harvest Tuesday. Limited harvest began Saturday. Soil moisture generally surplus northern half, adequate southern. Fieldwork: 3.6 days. Cotton harvest stopped Tuesday through Friday. Some progress earlier, 70% picked, 75% 1972, 85% 1971. Frequent rains lowered grade and increased harvesting loss. Soybeans 75% combined, 80% 1972, 95% 1971. Sugarcane harvest active entire week, 50% cut, same as 1972. Crop lighter

than expected, purity and sucrose improving. Small grain seeding in roundup stages, near 95% both crops seeded. Ideal growing weather. Rains slowed pecan harvest. Ryegrass and small grain pastures made good growth. Native pastures average. Livestock good.

MARYLAND AND DELAWARE: Temperatures ranged from highs in upper 60's and low 70's to lows in 20's except area west of Frederick ranged from mid-60's to upper teens. Precipitation light, most areas got less than 0.25 in. Exceptionally good harvest weather continued. Corn harvest nearly complete. Less than 10% of soybeans unharvested. Small grains continued growth but need moisture many areas. Topsoil moisture barely adequate. Subsoil moisture short especially central and south.

MICHIGAN: Precipitation generally totaled 0.30 to 1.00 in. over northern lower and western upper and in excess of 1.00 in. over most of southern lower and eastern upper peninsula. Flint reported 1.77 in. One to 5 in. snow fell upper peninsula Saturday. Temperatures averaged 6° to 8° above normal over upper and northern lower and 7° to 12° above over southern lower. Above normal temperatures most of week except for near or slightly below normal Sunday.

MINNESOTA: Second straight mild week with temperatures averaging 7° to 10° above normal except 1° to 6° above normal in extreme northwest. Extremes: 55° five locations south, and 5° extreme northwest. Rains early week accounted for 1.25 to 2.20 in. averages over the southern third and east central sections. Precipitation as rain and snow early week accounted for most of the 0.50 to 1.10 in. averages elsewhere. Snow cover of 1 to 3 in. over northern sections through the week had diminished from traces to 1.50 in. by end of week.

MISSISSIPPI: Temperatures about 8° above normal. Many places registered record highs for so late in autumn. Extremes: 28° at Tupelo on 17th, 86° at Calmour City on 20th. Greatest 24-hour rainfall 3.48 in. 5 miles northeast of Canton on 20th. Unseasonably warm during weekend and some scattered showers most areas. Soil moisture generally surplus from precipitation during past week.

Farmers averaged only 1.9 days fieldwork. Some progress in harvesting despite poor weather conditions. Cotton 88% picked. Soybeans 81% combined. Normal progress for both crops but ahead of year earlier when cotton 82%, soybeans 51% harvested. Corn 92% harvested. Pecans 58% complete. Nearly 86% of winter wheat and 97% of fall oat acreage seeded.

MISSOURI: Temperatures averaged at least 10° above normal statewide and nearly 14° above normal in east Ozarks and the Bootheel. Precipitation averaged over 1.00 in. in all zones and 3.00 in. or more south.

Fieldwork: 3 days. Soybeans 92% harvested, 56% in 1972 and 79% 1968-72 average. Corn harvest 83% complete, 57% in 1972 and average of 72%. Grain sorghum and cotton now 88% harvested compared to 79% for the 1968-72 average. Fall seeding advanced to 52% completion. Soil moisture supplies 74% adequate, 26% surplus.

MONTANA: Warming, precipitation tapering off by end week. Temperatures subnormal. Highs 20's and 30's with a few lower readings northcentral and central. Lows ranged from 0° to 15° below northcentral and central. Heaviest precipitation

fell in west and southwest. Farmers cared for and fed livestock. Most livestock on supplemental feed. Snowcover light most winter wheat areas.

NEBRASKA: Temperatures subnormal. Precipitation averaged 0.50 in. west to 2.50 in. east. Snowfall over 5 in. mostly Tuesday southcentral, lesser west and north. Limited progress harvesting corn and doing other fall work because of rain, snow and/or sleet starting Monday.

Corn 85% harvested, 50% 1972, 85% average; 18% moisture, 19% week earlier, 22% 1972. Sleet knocked some corn down. Wheat 24% excellent, 52% good, 24% fair. Moisture beneficial. Soil moisture supplies adequate to surplus. Farmers harvested corn, moved hay, applied fertilizer, fenced, shredded stalks, plowed and disced, opened roads and cleaned snow from feedlots. Fieldwork: 3 days. Range and pasture 17% above average, 83% average. Livestock doing well. Some feedlots muddy.

NEVADA: Precipitation varied from 0.52 in. at Owyhee to trace at Lovelock, Yerington and Tonopah. Lows ranged from 41°, Las Vegas to 10°, Owyhee. Snow depths: 3 in. at Virginia City, 4 in. at Austin and 2 in. at Ely.

Cotton harvest about 33% complete in Pahrump Valley. Harvest of limited acreage green onions, radishes and lettuce begun Moapa Valley. Grading and marketing potatoes in north continued. Movement of cattle to winter range virtually complete.

NEW ENGLAND: A few showers were scattered about New England Sunday night, but mostly fair weather prevailed from Monday through Wednesday. Showers widespread Wednesday night and Thursday and again late Saturday. Precipitation for week averaged between 0.50 and 1.00 in., heaviest amounts late Saturday over northern Maine and northern New Hampshire. Snow confined to Canadian Border. Cold early week, but after midweek, mild temperatures prevailed over all except extreme north. Readings in the 50's common across south and central late week. Coldest other than mountain stations at Houlton, Maine--1° Wednesday morning.

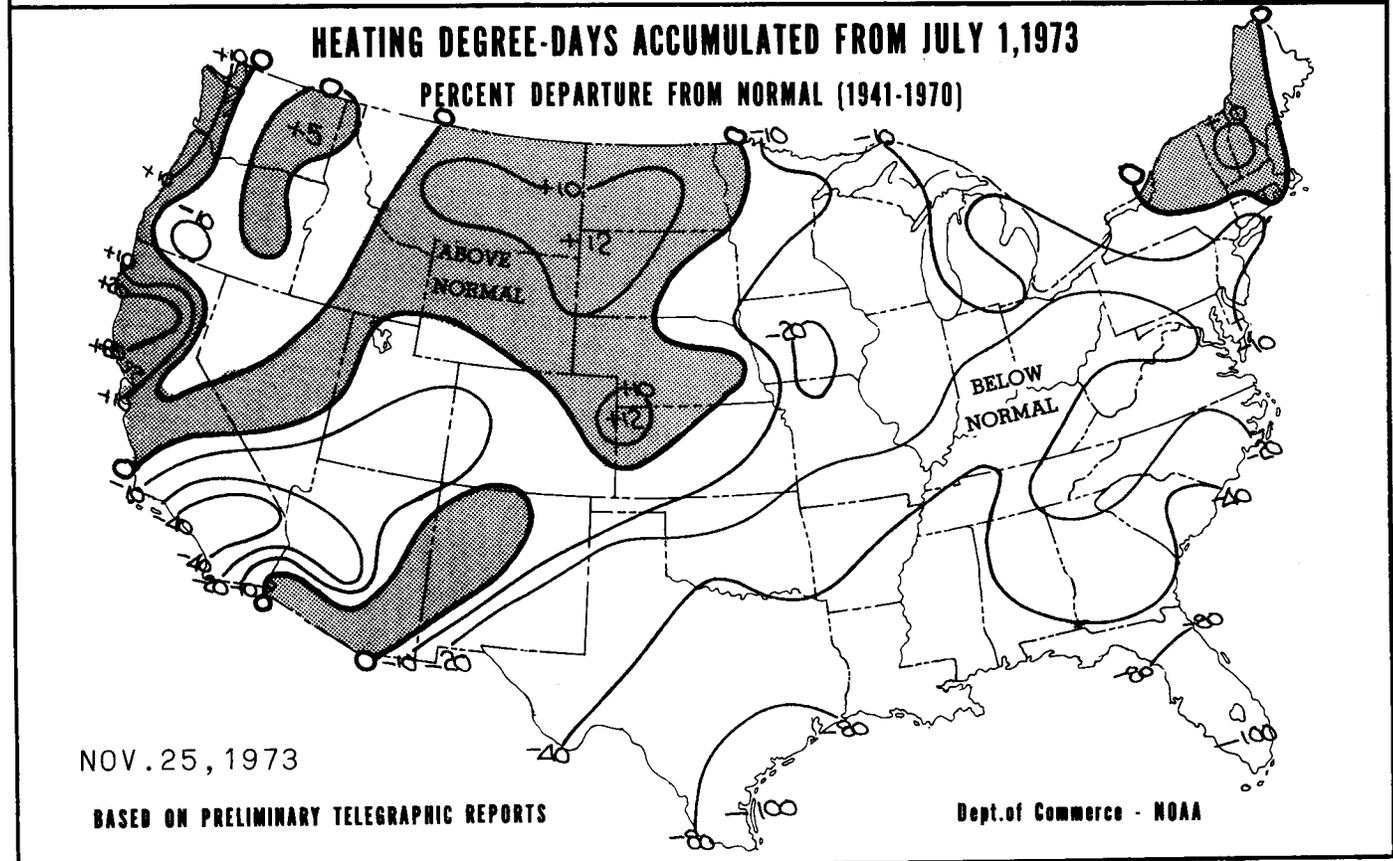
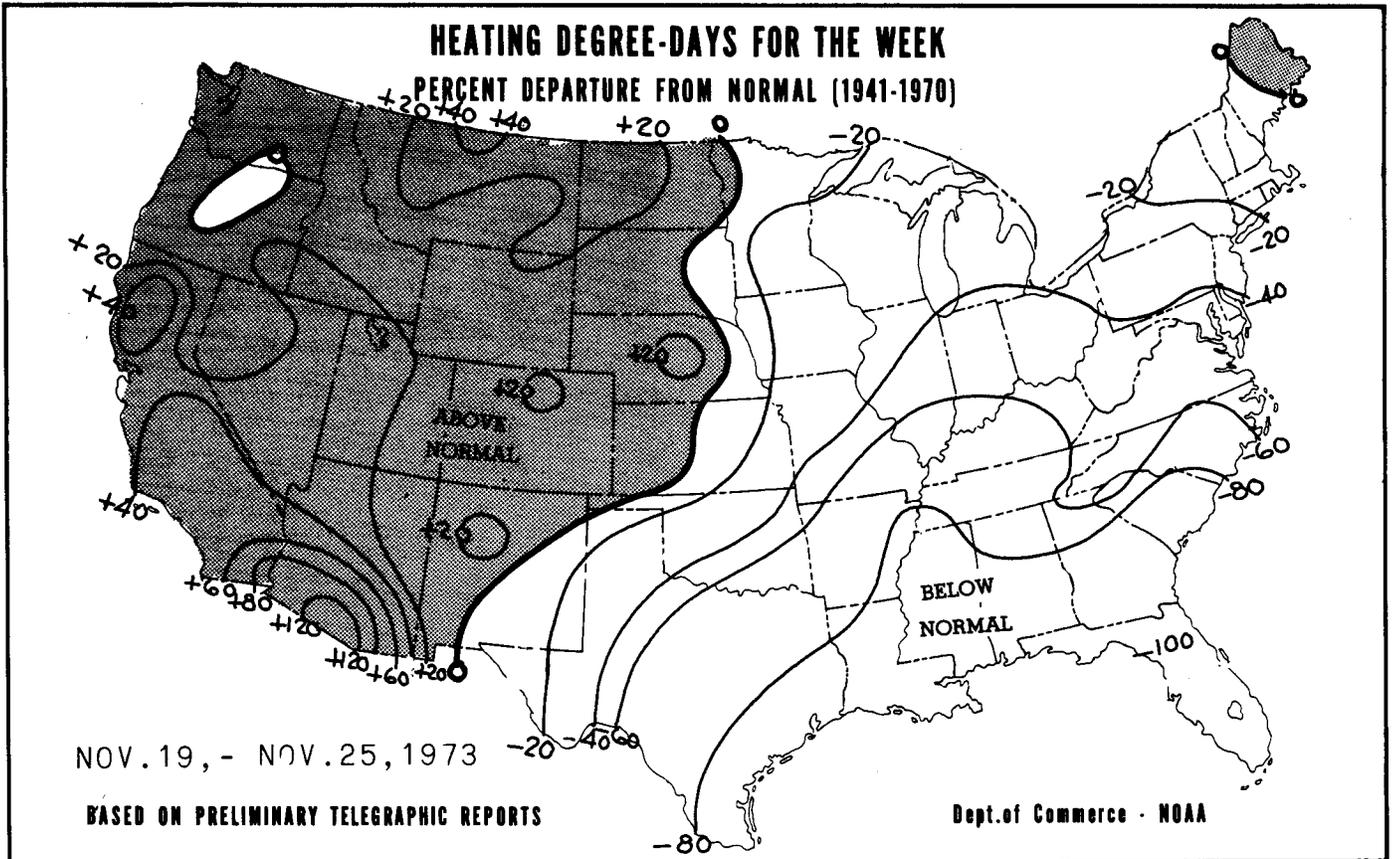
NEW JERSEY: Mild week. Temperatures averaged 15° above normal weekend. Extremes: 74°, Lakehurst on 25th; 21° 21st at several north stations. Precipitation averaged 0.13 in. along coast, 0.18 in. central and southern interior, and 0.50 in. north. Greatest weekly total was 0.07 in. at Long Valley.

NEW MEXICO: Recurring light snows mostly north and west mountains. Most moisture totals less than 0.33 in. but ranging to near 0.50 in. at Ruidoso and Chama. Only very light precipitation eastern plains and most southern sections. Mean temperatures dropped 10° or more from last week and ranged from near normal in southeast plains to 5° to 9° colder than normal over most of west. Chama and Quemado had zero readings, all sections sub-freezing.

Harvest weather continued favorable. Some rain, snow northern areas, hard night freezes. Fall seeded grains good, need moisture. Grain sorghum over 90% harvested. Cotton about 60% picked. Pecan harvest still slowly getting underway, other crops mostly through. Livestock good. Ranges fair-poor. Supplemental feeding increasing.

NEW YORK: Temperatures averaged mostly above normal but near normal over northeast. Precipitation near to above normal. Syracuse 1.30 in. and Boonville 1.21 in. received the highest amounts. Coldest early in week. Massena had the weekly low of

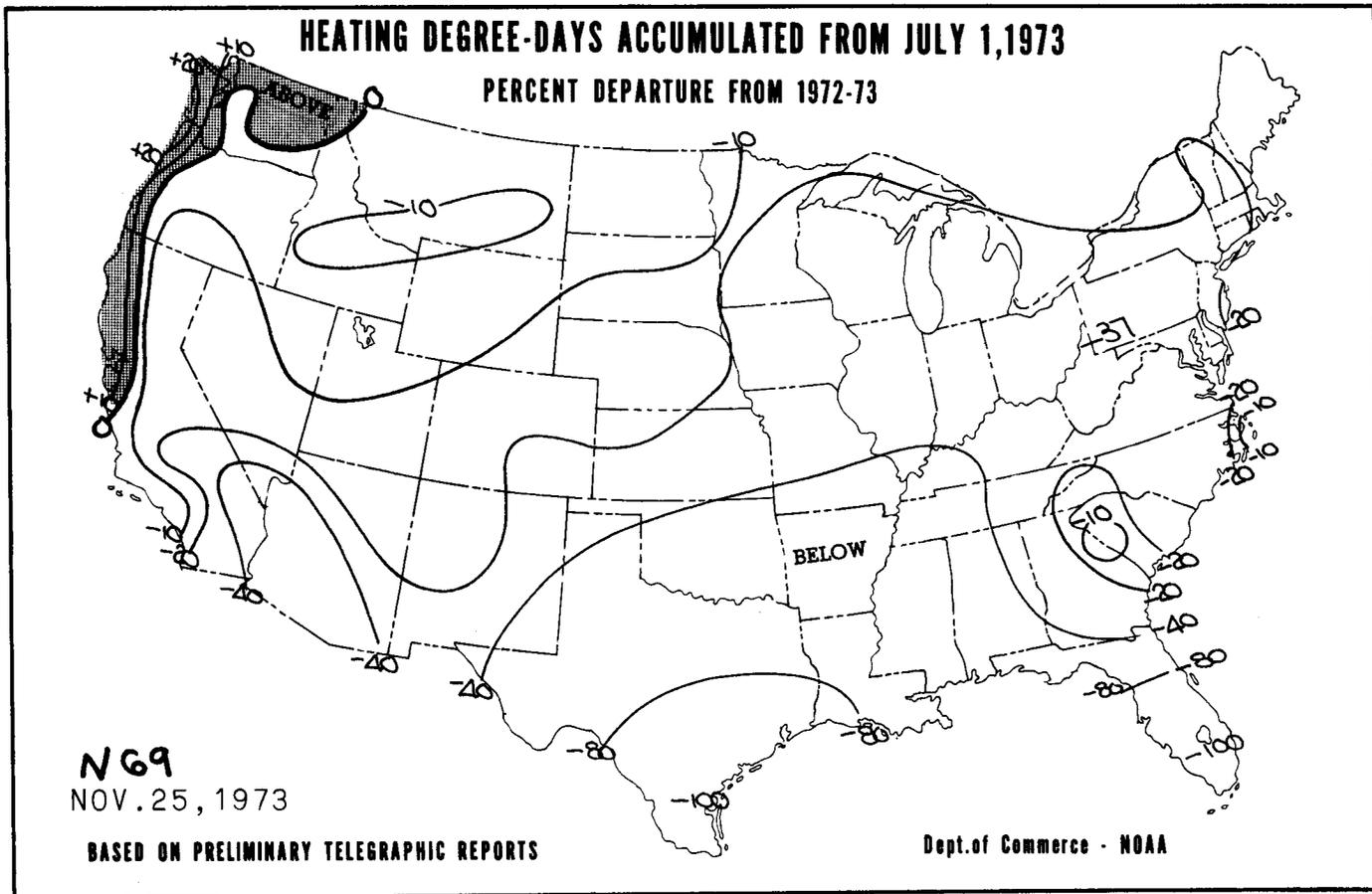
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Heating Degree Days (Base 65°) For Week Ending Nov. 25, 1973

States and Stations	Weekly		Seasonal Accumulation			States and Stations	Weekly		Seasonal Accumulation			States and Stations	Weekly		Seasonal Accumulation		
	TOTAL	Departure*	TOTAL	Departure*	Departure From 1972-73		TOTAL	Departure*	TOTAL	Departure*	Departure From 1972-73		TOTAL	Departure*	TOTAL	Departure*	Departure From 1972-73
ALA. Birmingham	26	78	308	-143	-210	Portland	191	-12	1402	-5	-232	Tulsa	81	-46	418	-101	-299
Mobile	0	59	76	-126	-175	MD. Baltimore	93	-57	697	-26	-208	OREG. Astoria	156	18	1547	200	341
Montgomery	9	76	210	-121	-151	MASS. Boston	144	-12	865	12	-169	Burns	261	41	1637	54	-94
ARIZ. Flagstaff	278	64	1400	-231	-398	MICH. Alpena	182	-48	1511	-214	-393	Medford	165	1	878	-125	-175
Phoenix	88	35	118	-35	-80	Detroit	131	-63	975	-120	-385	Pendleton	169	-10	1061	-14	-74
Tucson	132	72	190	4	-200	Flint	139	-68	1094	-176	-362	Portland	157	8	967	-84	43
Winslow	185	12	783	-9	-20	Grand Rapids	149	-55	1082	-106	-384	Salem	162	14	1117	51	-89
Yuma	65	33	79	1	-61	Houghton Lake	179	-56	1481	-196	-400	PA. Allentown	130	-48	873	-102	-336
ARK. Fort Smith	39	-80	356	-122	-352	Lansing	149	-58	1157	-74	-452	Erie	133	-60	1028	-192	-422
Little Rock	33	86	279	-215	-289	Marquette	178	-59	1446	-174	-500	Harrisburg	110	57	728	-119	-239
CALIF. Bakersfield	118	40	230	-36	-87	Muskegon	154	-45	1115	-115	-256	Philadelphia	94	56	652	-80	-272
Eureka	128	30	1553	128	221	S. Ste. Marie	207	-40	1757	-113	-340	Pittsburgh	123	-62	764	-303	-441
Fresno	136	40	380	22	-65	MINN. Duluth	229	-53	1921	-60	-527	Scranton	159	-29	1118	3	-354
Los Angeles	65	23	135	-120	-11	Internat Falls	262	-49	1921	-252	-345	R.I. Providence	153	17	1000	31	-161
Red Bluff	144	50	457	111	72	Minneapolis	190	-67	1289	-236	-441	S.C. Charleston	2	72	161	-122	-71
San Diego	59	20	106	-68	-55	Rochester	183	-71	1297	-206	-500	Columbia	4	89	226	-151	-134
San Francisco	107	30	696	86	107	St. Cloud	208	-63	1510	-153	-458	Greenville	56	-58	461	-23	-98
Stockton	131	31	366	-6	-87	MISS. Jackson	9	-72	196	-130	-192	S. DAK. Aberdeen	290	22	1606	9	-92
COLO. Denver	236	41	1117	-32	-209	Meridian	10	-79	183	-188	-216	Huron	252	-2	1426	-30	-240
Grand Junction	219	21	860	-127	-163	MO. Columbia	107	-62	697	-92	-288	Rapid City	249	23	1575	164	-220
Pueblo	215	28	913	-61	-282	Kansas City	132	-39	653	-131	-350	Sioux Falls	207	-43	1297	-127	-386
CONN. Bridgeport	120	-32	628	-123	-418	St. Louis	90	-71	651	-82	-306	TENN. Chattanooga	49	-79	469	-104	-239
Hartford	158	-27	951	-114	-294	Springfield	77	-78	549	-185	-347	Knoxville	45	-81	460	-99	-211
DEL. Wilmington	88	-65	605	-137	-256	MONT. Billings	259	35	1589	146	-228	Memphis	19	-95	279	-201	-364
D.C. Washington	63	-74	457	-146	-272	Glasgow	363	86	1853	97	-51	Nashville	34	99	351	-233	-242
FLA. Apalachicola	0	-45	60	-82	-86	Great Falls	300	69	1769	185	-41	TEX. Abilene	39	-54	221	-130	-383
Daytona Beach	0	-29	11	-61	-35	Havre	389	115	1917	79	-42	Amarillo	118	-31	527	-146	-471
Ft. Myers	0	-14	0	-32	-22	Helena	313	62	2023	206	-206	Austin	14	-44	53	-143	-287
Jacksonville	0	-46	79	-62	-53	Kalispell	281	26	1990	-106	-127	Brownsville	0	12	0	-31	-103
Key West	0	0	0	0	0	Miles City	278	26	1552	13	-210	Corpus Christi	0	-24	0	-66	-145
Lakeland	0	-21	9	-44	-55	Missoula	271	27	1814	-44	-146	Del Rio	15	-39	40	-131	-200
Miami	0	-7	0	-8	-3	NEBR. Grand Island	262	51	1131	19	-222	El Paso	106	-4	299	-108	-177
Orlando	0	-21	8	-41	-37	Lincoln	196	-9	1089	56	-214	Fort Worth	23	-58	158	-123	-291
Tallahassee	1	-57	114	-74	-69	Norfolk	233	8	1171	-48	-264	Galveston	1	-30	10	-80	-186
Tampa	0	-21	9	-42	-46	North Platte	263	41	1382	91	-249	Houston	0	-45	27	-115	-272
W. Palm Beach	0	-7	0	-14	-4	Omaha	184	-30	1080	-20	-254	Lubbock	90	-40	364	-191	-412
GA. Atlanta	29	-82	331	-134	-166	Valentine	254	19	1377	1	-328	Midland	61	-38	260	-99	-358
Augusta	20	-74	315	-57	-30	NEV. Ely	317	84	1772	79	-100	Beaumont	7	-44	59	-118	-262
Macon	12	-71	207	-112	-91	Las Vegas	137	37	288	-62	-193	San Angelo	31	-51	131	-173	-308
Savannah	0	-71	163	-92	-34	Reno	215	27	1226	-69	-227	San Antonio	17	-35	48	-119	-236
IDAHO. Boise	229	36	1083	-72	-133	Winneucca	239	30	1343	-97	-147	Victoria	1	-35	11	-96	-206
Lewiston	196	11	1135	-13	-31	N.H. Concord	200	-8	1507	131	-370	Waco	20	-48	95	-140	-333
Pocatello	257	34	1465	27	-79	N.J. Atlantic City	98	-52	766	20	-197	Wichita Falls	44	-59	209	-170	-447
ILL. Cairo	33	-103	423	-139	-282	Trenton	103	-46	676	-57	-273	UTAH. Salt Lake C	257	58	1042	-95	-27
Chicago	125	-69	875	-92	-341	N.MEX. Albuquerque	201	-39	749	35	-117	VT. Burlington	203	-13	1467	36	-357
Moline	159	-44	953	-96	-260	Roswell	135	-9	460	-183	-312	VA. Lynchburg	64	-78	582	-112	-223
Peoria	123	-75	858	-145	-398	N.Y. Albany	193	-5	1274	-75	-270	Norfolk	62	-48	402	-61	-128
Rockford	143	-72	998	-176	-321	Binghamton	154	-54	1247	-82	-447	Richmond	62	-65	531	-69	-185
Springfield	96	-87	690	-198	-397	Buffalo	152	-43	1124	-77	-309	Roanoke	75	-71	597	-104	-309
IND. Evansville	55	-105	558	-190	-380	New York	102	-40	603	-68	-374	WASH. Quillayute	181	27	1880	290	230
Fort Wayne	112	-82	866	-191	-390	Rochester	139	-52	1040	-104	-294	Seattle-Tacoma	156	4	1220	-8	-49
Indianapolis	84	-100	699	-226	-356	Syracuse	164	-23	1137	29	-246	Spokane	255	34	1588	71	58
South Bend	109	-89	802	-303	-479	N.C. Asheville	77	-68	675	-92	-105	Walla Walla	173	2	997	35	-56
IOWA. Burlington	138	-62	838	-160	-384	Hatteras	34	-43	251	-37	-19	Yakima	202	1	1369	56	3
Des Moines	155	-60	873	-232	-531	Charlotte	47	-67	431	-59	-150	W.VA. Beckley	88	-91	883	-200	-298
Debouque	160	-69	1099	-192	-428	Greensboro	65	-68	567	-62	-203	Charleston	77	-77	686	-94	-230
Sioux City	190	-36	1017	-170	-289	Raleigh	35	-85	401	-150	-255	Huntington	73	-81	606	-169	-365
KANS. Concordia	176	-12	852	-58	-302	Wilmington	17	-63	228	-73	-93	Parkersburg	79	-79	700	-89	-221
Dodge City	196	20	775	-42	-318	N.Dak. Bismarck	342	64	1941	203	-24	WIS. Green Bay	182	-58	1314	-184	-273
Goodland	240	35	1266	132	-154	Fargo	289	5	1775	64	-108	LaCrosse	158	-75	1094	-185	-420
Topeka	140	-36	749	-90	-281	Williston	366	82	1974	154	-174	Madison	163	-73	1255	-173	-327
Wichita	139	-23	657	-64	-324	OHIO. Akron-Canton	101	-89	834	-238	-357	Milwaukee	157	-65	1104	-209	-313
KY. Lexington	64	-97	611	-162	-262	Cleveland	102	-81	832	-207	-401	WYO. Casper	271	34	1625	74	-171
Louisville	55	-104	541	-211	-261	Columbus	92	-90	759	-222	-399	Cheyenne	253	30	1618	91	-224
LA. Baton Rouge	3	-55	69	-146	-144	Cincinnati	69	-99	593	-227	-413	Lander	290	36	1696	70	-173
Lake Charles	4	-46	56	-116	-250	Dayton	89	-94	765	-165	-376	Sheridan	289	49	1762	156	-58
New Orleans	4	-46	65	-114	-189	Toledo	121	-77	998	-105	-389						
Shreveport	19	-57	164	-121	-268	Youngstown	124	-68	1014	-112	-484						
MAINE. Caribou	271	14	2000	3	-295	OKLA. Okla City	83	-45	432	-100	-332						

* Based on 1941-70 Normals.



(Continued from Page 7)

11° Monday. Remainder of week mild across most of State. Thursday and Friday's very mild weather saw temperatures climb to the 50's and low 60's in many locations. New York City and Poughkeepsie tied for weekly high with 63°. Dense fog late week, most persistent in Upper Hudson Valley caused lower daytime temperatures. Heaviest precipitation fell as rain late in week. No significant snowfall.

NORTH CAROLINA: Scattered showers east Monday, more general rainfall Wednesday only temporarily relieved dryness. Temperatures above normal. Soil moisture: 38% very short, 35% short, 27% adequate. Fieldwork averaged 4.4 days.

Soybean harvest progressing nicely, 82% complete, 50% in 1972, 60% 10-year average. Corn harvest 96% complete, 90% in 1972, 79% 10-year average. Cotton picking progress good, 88% picked, 70% in 1972, 80% 10-year average. Lespedeza seed and sorghum grain harvest passed 90% mark. Small grain acreage 84% seeded, about normal. Pastures and growing small grains improved slightly, generally fair shape. More rain needed to relieve droughty conditions.

NORTH DAKOTA: Temperatures ranged from high of 40° at Williston to low of 12° below 0 at Max. Precipitation fell mostly as snow with freezing rain and sleet east Wednesday. Heaviest total: 0.86 in. at both Oakes and Cooperstown. Greatest accumulation of snow 9 in. at Bisbee.

Pasture and ranges covered with snow and supplemental feeding required. Most fieldwork halted. Slippery road conditions east and snow elsewhere

made marketing difficult but no blizzards or drifting.

OHIO: Cloudy skies and above normal temperatures prevailed statewide early week. Some showers Wednesday, amounts ranging from 0.25 in. to 0.50 in. A storm system that moved up Ohio River Valley 23rd brought cloudiness back along with rain over southwest quarter. This storm brought general weekend rains. A band of heavy rain that averaged better than 1.50 in. and in some spots more than 2.00 in. moved across Dayton, Columbus, and Zanesville. Temperatures remained above seasonal normals over weekend.

Corn harvest and fall plowing continued where weather permitted. Heavy rains flooded low-lying areas, while standing water in fields may cause some drown-out of fall sown grains and slow corn harvest. Farmers spread lime and fertilizer, repaired and winterized farm buildings, and stripped tobacco.

OKLAHOMA: Temperatures much above normal all but panhandle. Ranged from near normal panhandle to 7° to 12° above normal elsewhere. Moderate to heavy rain statewide, averages ranging from 0.43 in. southwest to 2.35 in. eastcentral. Weekend wet all but northwest, excessive rain east.

Intermittent rains slowed field activities. Wheat acreage 100% planted, 97% up to stand; 97% and 90%, respectively, 1972. Oats 99% seeded, 100% in 1972 and 90% up to stand, 83% 1972. Fall barley acreage planted, 95% up to stand, 90% 1972. Sorghums 78% harvested, 56% 1972, 84% 5-year average. Cotton 99% bolls open, 10% harvested, slowed by wet weather, 34% harvested 1972, 5-year average

40%. Peanuts 91% combined, 79% 1972. Livestock and ranges good most areas. Small grain fields providing good grazing.

OREGON: Precipitation statewide. Amounts along coast ranged from 1.62 in. Astoria to 3.88 in. Cloverdale. In Willamette Valley: Portland 0.96 in., Salem 2.54 in., Eugene 2.78 in. Eastern sections got from 1.11 in. at Klamath Falls to 0.27 Madras. Temperatures near normal to 7° below. Highs in lower 40's to upper 50's, Pendleton warmest with 58°. Lows in upper 20's to upper 30's west, east mostly in teens and lower 20's. Field activities stopped by rain in west, snow in east. Stockmen choring. Wood cutting, Christmas tree harvest, seed cleaning, machinery repair. Low pastures very muddy. Feed supplies currently adequate. Fruit markets continued strong. Export onion market strong. Local sales limited.

PENNSYLVANIA: Continued unseasonably mild for second straight week. Temperatures 8° to 10° above normal, warmest since end of October. Daily highs mostly 50's and 60's, lows in 30's and 40's. Extremes: 22° and 73°. Showers midweek and weekend brought 1.00 to 1.50 in. rainfall southwest and westcentral mountains decreasing to less than 0.50 in. southeast. Farmers did routine winter work.

PUERTO RICO: A cool dry week islandwide. Rainfall averaged 0.25 in. or 1.10 in. below normal. No rain central-interior and southcentral portions. Generally less than 0.50 in. rest of island. Highest weekly total 1.45 in. southwest. Crop moisture conditions too dry parts southcentral, central and northcentral portions, otherwise near normal. Temperatures averaged 78° on coast and 73° interior. Highest 91°, lowest 56°.

Sugarcane crop developing well all zones with good progress cultivating and irrigation operations. Coffee harvest progressing well under favorable weather. Tobacco seeding operations and general crop development good all zones except central-interior where too dry. Pasture zones good to excellent all divisions except parts of north, northwest and central-interior where too dry for satisfactory growth and seeding. Minor crops in good abundance all zones but gusty winds in small area central-interior damaged some banana trees.

SOUTH CAROLINA: Temperatures much above normal, warmest late week. Rainfall below average, mostly showers and thundershowers Wednesday. High pressure persisted much of week. Front moved eastward Wednesday. Active showers and thundershowers developed ahead and along weather front, several damaging windstorms reported near Anderson, Lancaster, and Georgetown.

Soil moisture short statewide. Cotton 85% harvested, 83% 1972; average 85%. Soybeans 77% harvested, 55% 1972; average 39%. Corn 98% harvested, same as 1972. Pastures fair. Winter grazing 94% planted, 89% emerged. Wheat and oats fair. Wheat 64% seeded, 58% 1972; 43% emerged. Oats 71% planted, 59% 1972; 51% emerged. Sorghums 70% harvested, 66% 1972. Farmers prepared tobacco beds in Pee Dee, pruned fruit trees in Piedmont and marketed mixed greens along coast.

SOUTH DAKOTA: Warm midweek, cool beginning and end week. Temperatures 2° to 6° above normal east, 2° to 4° subnormal central and west. Highs ranged from upper 30's northwest and northcentral to upper 40's in south. Several areas reported highs in 50's. Lows from lower 20's downward to near 0°. Above normal late November precip-

itation fell eastern third, subnormal amounts central and west. Snows began Tuesday west, spread eastward across State Wednesday. Greatest amounts central and southeast--near 1 ft. accumulation most reported. No fuel shortages apparent. Livestock generally good. Limited supplemental feeding. Some fieldwork continued as weather permitted.

TENNESSEE: Unseasonably warm week statewide. Two frontal systems moved across State during week accompanied by showers and thunderstorms. Precipitation amounts averaged over 1.00 in. above normal west and to over 1.00 in. subnormal east. Temperatures ranged from 15° above normal west to 12° above normal east.

Tobacco crop over 80% stripped and sizeable percentage transported to warehouses for sale. Burley auction sales will become active during last week of November. Soybean harvest made rapid progress, 85% complete, 80% average, 35% 1972. Until 2 weeks ago soybean development and harvest lagged considerably behind normal. Cotton 85% picked with disappointing yields reported, normal 80%, 1972 65%. Corn 90% harvested, about normal, considerably more than 1972. Continued mild weather and frequent rains quite favorable for good growth and development of all small grain crops. Wheat acreage 90% sown. Farmers prepared land and fertilized, cared for livestock and harvested catfish.

TEXAS: Unsettled weather. Monday, scattered showers and thunderstorms central and east dumped 1 to 2 in. of snow over north reaches of high plains. Rapid warming midweek. Last 3 days of week saw widespread thunderstorm activity move across central and east. Rains 2.00 to 3.00 in. fell across scattered points east on Friday. On Saturday, high winds, hail, and several tornadoes or funnel clouds reported over central and east.

Cotton harvest progressed rapidly on high plains but wet weather delayed progress elsewhere. Peanut, sorghum, corn, soybean harvests neared completion. Wet weather delayed seeding in Blacklands, east Texas. Some dryland fields high plains reseeded due to dryness. Major crops percent harvested: cotton 46, 1972 41, 5-year average 50; corn 99, 1972 100; sorghum 97, 1972 88, 5-year average 94; peanuts 94, 1972 94; soybeans 59, 1972 75. Major crops percent planted: Wheat 98, 1972 96; oats 97, 1972 96. Lower Rio Grande Valley: Harvest of cabbage continued. Moderate supplies of peppers, cucumbers, and tomatoes available. San Antonio-Winter Garden: Harvest of cabbage, carrots, peppers, and tomatoes continued. Light harvest of early spinach underway. Laredo: Tomatoes made fair progress. Coastal Bend: Cucumber and squash harvest continued. East Texas: Digging of sweet potato crop continued as weather permitted. Trans-Pecos: Most spring onions and lettuce have been planted in El Paso County. High Plains: Cabbage harvest underway. Late carrot digging continued. Pecan harvest well underway most areas. Citrus harvest gained momentum, processing plants getting into full operations. Short moisture on high plains restricted available grazing on both wheat and native pastures. Irrigated wheat continued to furnish adequate grazing. Death losses for stockers about normal. Wheat and oats made good growth and furnished adequate grazing from low plains southward. Some small grain fields in Blacklands and east too wet to graze. Screwworm cases continued to show up in south half due mainly to warm, wet weather during fall calving.



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UTAH: Recurring rain and snow. Moisture generally light to moderate. Temperatures near normal to 6° below west half, near normal east.

Virtually no fieldwork done. Major activities: Care and feeding of livestock and poultry. Turkey processing picked up again, and will continue to about December 20. Breeding of range ewes nearly complete.

VIRGINIA: Record high temperatures and warmest so late in fall on the 25th at Richmond, Roanoke, and Norfolk. Extremes: 80°, 23°. Spotty showers 3 days, more general midweek rain.

Excellent harvest week, 4.8 days suitable for outside activities. Corn harvest east and south-east over, other areas 85% finished. Sorghum grain combining increased. Soybean harvest record pace, less than 20% remaining. Peanut harvest ended. Flue-cured tobacco marketing near end. Cotton harvest progressed well. Late seeding small grains and cover crops in final stage. Fall plowing increased.

Most areas need moisture, quite dry in central and south. Early calving increased and lambing started. Farmers limed, applied fertilizer, pruned, repaired, cared for livestock and poultry, cut firewood, butchered, hunted and enjoyed Thanksgiving.

WASHINGTON: West: Rain, some mixed snow. Precipitation 0.50 to over 2.00 in. Average temperatures 1° to 5° subnormal. Snow in Cascades now 5 ft. with more falling. Farming limited due to rain, snow. Carrot harvest winding up. Christmas tree and ornamental brush cutting continued. Cattlemen, dairymen culling herds due to short feed supplies.

East: Average temperatures subnormal most locations. Lows teens and lower. Precipitation 0.10 to 1.00 in. Snowfall averaged 4 in. Sugar beet harvest continued in muddy fields. Pruning vine-

yards, orchards continued. Harvested grain corn and some carrots for processing. Moisture conditions improving. Some seeding of winter grains continued where ground dry. Some may wait until spring. Grains good condition for winter survival. Livestockmen opening hay, straw stacks for feeding. Bluegrass stands not responding to recent rains.

WEST VIRGINIA: Temperatures near normal early week, warmer later. Rain 3 days. Average precipitation around 0.20 in. Larger amounts east panhandle, south and west. Tobacco farmers prepared for opening of tobacco auction market November 26th. Farmers also did routine chores and cared for livestock.

WISCONSIN: Temperatures averaged well above normal. Skies mostly cloudy and some rain each day except sunny Thanksgiving and part of Friday. Snow extreme north Friday night and Saturday morning. Precipitation ranged from 0.50 to 0.75 in. east to 1.00 to 2.00 in. west. Snow depths reached 4.00 in. at Eagle River and 7.50 in. at Land O'Lakes.

Farmers did a little additional plowing as mild temperatures eliminated all frost in ground. Some picking of remaining corn. Corn for grain 95% harvested, 1972 65%, normal 90%. Soybeans all harvested, 1972 55%, normal 95%. Fall plowing 80% done, 1972 35%, normal 70%. Soil moisture adequate to surplus.

WYOMING: Light snows fell statewide, moderate over northwest mountains. Moran reported most moisture, 0.75 in. Temperatures averaged near to little below normal. Highs mostly in 40's west of Divide, 50's east. Lows mostly 0° to 14°. Extremes both at Sheridan Field Station with 61° and -4°. Livestock good. Prospects for winter wheat and fall grazing good because favorable weather continued.