

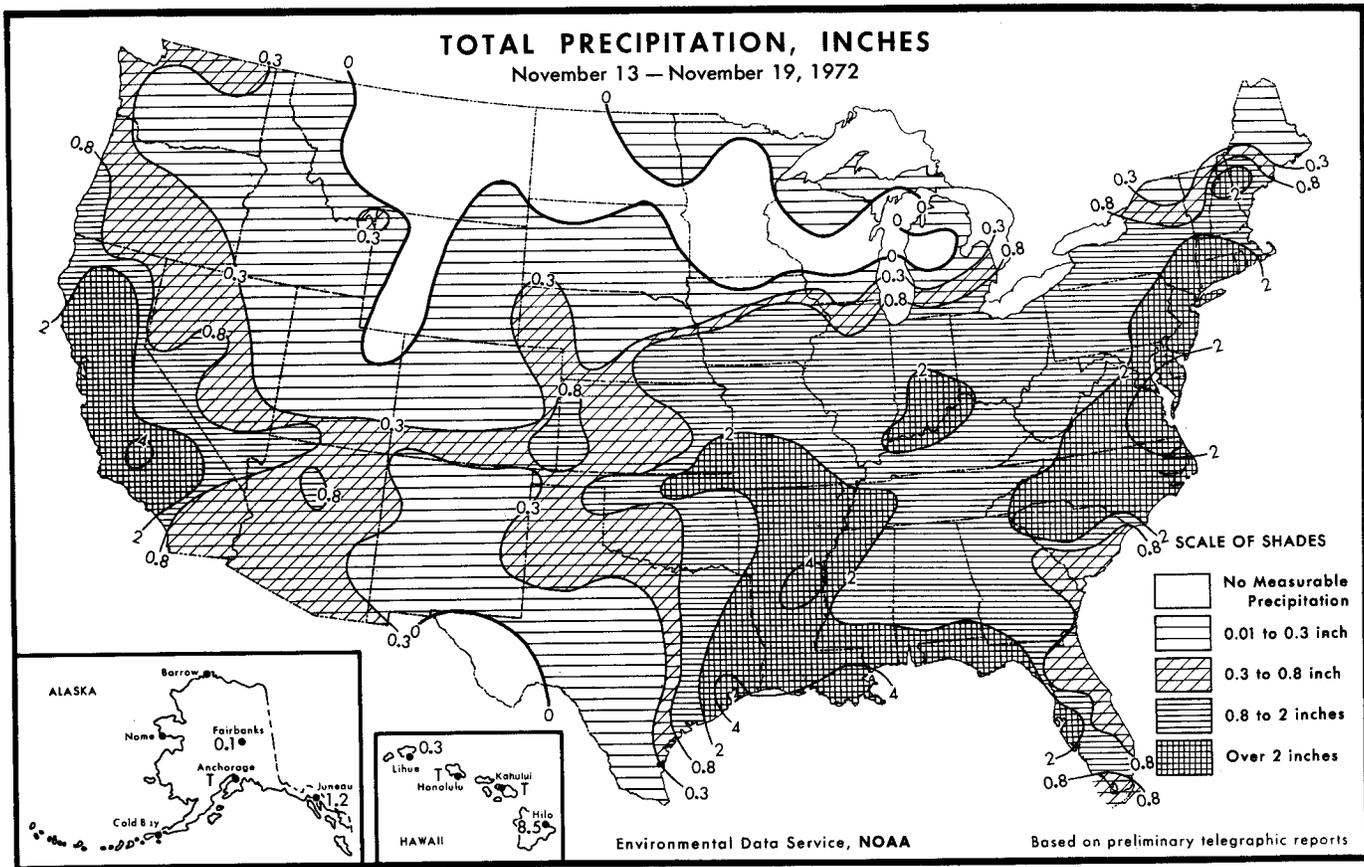
# Weekly Weather & Crop Bulletin

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## NATIONAL WEATHER SUMMARY

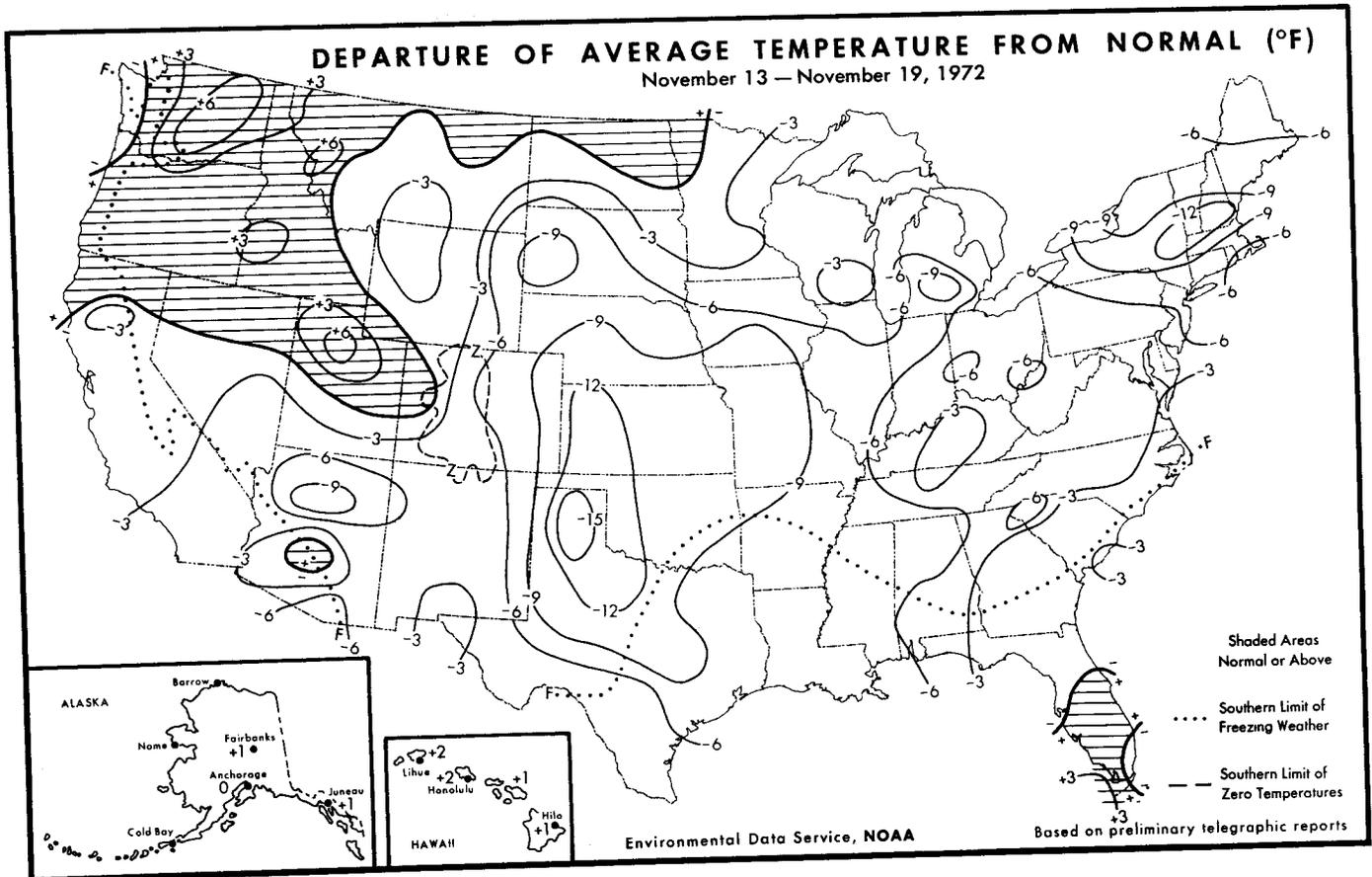
**HIGHLIGHTS:** Several storms crossed the Nation during the week. Parts of the Nation averaged cooler last week than in any week since February.

**PRECIPITATION:** Several storms moved eastward across the Nation during the week. The first and most intense of the storms centered over the central Great Plains early in the week, dumped heavy snow from Colorado to New England. Snow accumulated to 9 inches at Akron, Colo., and to 12 inches at Bird City, Kans, Monday morning, and to 8 inches at Omaha, Nebr., and Des Moines and Waterloo, both in Iowa, in the afternoon and evening. By Tuesday noon, 12 inches had fallen in some spots in Nebraska and Iowa. The storm continued its eastward course and by midnight Tuesday had whitened the Great Lakes Region and moved in to New England. It brought 9 inches to Portland, Maine, 11 inches to Albany, N. Y., and 13 inches to Mt. Washington,

N.H. Strong winds accompanied the storm during much of its progress.

A second storm lashed the northern California coast with strong winds on Monday. It caused rain along the coast and the lower Sierra Nevadas and snow in the higher Mountains. Rain continued in the West at midweek. The storm crossed the Rocky Mountains and produced dangerous mixtures of snow, freezing rain, and freezing drizzle over much of the central Great Plains and middle Mississippi River Valley. With two storms in progress. Clouds prevailed over most of the Nation. Fair weather occurred briefly shortly after midweek along the eastern Gulf Coast, parts of the Deep South and the middle Atlantic States.

The third storm brought rain or snow to the coastal mountains of central California late Wednesday and edged its way to the Plateau Region as the weekend approached. It spread heavy snow



from New Mexico to the central Great Plains, freezing drizzle or sleet from the central Great Plains to the Lower Mississippi River Valley, and scattered thunderstorms over the southern Great Plains. A storm off the middle Atlantic Coast intensified Friday and dropped generous rain over from New England to the Carolinas and snow in northern New England.

**TEMPERATURE:** Temperatures ranged widely during the week. Ft. Myers, Fla., registered 90° Monday afternoon, November 13, when maximums across the South ranged from the 70's in southern Texas to the 80's over most of the Florida Peninsula. These were the exceptionally mild pleasant temperatures. A cooling trend occurred over much of the Nation. Fraser, Colo., registered 3° below zero Monday morning. By Wednesday much of the area from the northern and central Great Plains to the Upper Great Lakes was colder than 20°. The mercury at North Platte, Nebr., plunged to 10° and Des Moines, Iowa, recorded 9°. Snow and clouds lowered daytime and nighttime temperatures. The cold

wintery weather moved eastward. A large High brought cold to the Northeast. The temperature at Albany, N.Y., dropped to 7° Thursday morning, the coldest temperature of record for so early in the season. The mercury at Alamosa, Colo., plunged to -5° Thursday morning. Midweek maximums ranged from below freezing over the northern Great Plains to the 60's and 70's in the southern Texas and in Florida. New Orleans, La., registered 56° in the warmest part of the day Thursday. Temperatures dropped to zero at Concord, N.H., and to 32° or lower as far south as northern Alabama and South Carolina Friday morning. The cool weather persisted over the weekend.

Temperatures averaged above normal over the Pacific Northwest and below normal over the rest of the Nation. Parts of the Great Plains averaged 6° to 15° colder than normal. Parts of the Northeast averaged 6° to 12° colder than normal.

L. W. Dye

## NATIONAL AGRICULTURAL SUMMARY

**AGRICULTURAL HIGHLIGHTS:** Wet weather continues to delay harvesting of corn, cotton and soybeans.  
 \* Soybean harvesting stalled in North Central States. \* Cold, wintry weather in Southern Great Plains slows wheat growth.

**SMALL GRAINS:** The moisture supply for winter wheat was boosted again in the Great Plains, but growth was slow in Kansas and Oklahoma due to cold temperatures. Many fields in Oklahoma are still too wet to graze. Seeding of winter wheat in Texas is near completion at 95 percent. Remaining fields are too wet to seed. Winter wheat continues in excellent condition in Colorado, eastern Montana and Idaho. In Washington winter wheat stands look good, although some spraying for greenbugs is necessary. Fall sown grains in Oregon look very good with some reseeding due to crusting. In the eastern half of the Nation, wet soils continue to delay the completion of fall grain seeding intentions. Some acreage may not get seeded in the northern States.

**CORN:** Wet weather over the eastern half of the Nation continued to hamper the late corn harvest -- about 56 percent of the Nation's acreage is harvested, an increase of 7 points over the previous week. Some limited progress was made both in the South and in the important North-Central region in spite of miserable, wet harvesting conditions. In the North Central States, 51 percent of the acreage is harvested, a gain of 7 points from the previous week. Snow on top of muddy fields has added to an already difficult harvesting situation in many Corn Belt States. The Iowa corn crop is 46 percent harvested compared to an average of 75 percent normally picked by this time. Illinois corn is 50 percent harvested compared to an average 80 percent normally picked. Snow and or rain brought harvesting in Nebraska, Missouri, and Kansas and Ohio to a standstill. In the South, rains slowed corn picking but some progress was made. The harvest is 90 percent complete in the South Atlantic Region and 77 percent complete in the South Central Region.

**COTTON:** Another week of rainy weather slowed cotton harvesting from California to the Carolinas. Only limited headway was made in the South with 58 percent of the cotton crop harvested compared to 55 percent the previous week. Rain and cold weather continued to delay harvesting in Texas where the cotton harvest is 38 percent complete. Most southern cotton growers were limited to 1 or 2 days of fieldwork. Cotton harvesting is about 82 percent complete in Mississippi and 80 percent complete in Arkansas and South Carolina. Rain halted cotton harvesting in California and slowed picking in Arizona while New Mexico enjoyed fair weather.

**SOYBEANS:** Wet, cold weather continued to plague the Nation's lagging soybean harvest with only 68 percent of the total acreage harvested compared to a corrected figure of 64 percent harvested the previous week. Harvesting was stalled in the important North Central Region at 72 percent complete compared to 71 percent last week and 69 percent as of October 29. Normally soybean harvesting in the Corn Belt is 95 percent complete by this time of year. No progress was made for the third straight week in Illinois, Indiana, and Ohio because of saturated fields and poor drying conditions. The Illinois soybean harvest is 80 percent complete. Indiana's soybean acreage is 50 percent harvested and Ohio's is 55 percent harvested. In Iowa, combining is 82 percent complete. Snow and wet weather kept soybean combines out of the fields in Nebraska, Kansas and Missouri. Soybean harvesting in the Southern States was slowed by rains, also, with most States making only limited progress.

**OTHER CROPS:** Snow and or rain stopped sorghum grain harvesting in Nebraska, Kansas, Missouri, Oklahoma, Colorado, and California. Some lodging occurred in Nebraska and Kansas. The Texas sorghum harvest now 86 percent complete was also delayed by wet weather. Harvesting is 49 percent complete in Kansas, 63 percent complete in Nebraska and Missouri and 60 percent complete in Oklahoma. In Kentucky, damp weather has helped burley tobacco stripping. Burley markets opened November 20. Peanut harvesting advanced to 92 percent complete in Texas and 90 percent complete in Virginia. Wet weather in south-central Oklahoma has caused heavy field losses of unharvested peanuts. The sugar beet harvest is nearing completion in most northern growing areas. Some acreage of dry beans remains unharvested in Michigan and Utah and may be abandoned.

**Fruits and Nuts:** The harvest of deciduous fruit crops in California is complete while the navel orange harvest is underway. Rains slowed orange harvesting there, but helped to size the fruit. Citrus harvesting is increasing in Arizona and Texas. Citrus trees and fruit in Florida are in excellent condition. Rains interrupted pecan harvesting across the South.

**Vegetables:** Vegetable shipments continue to increase from Florida; supplies of tomatoes increased sharply and now lead all crops. Cabbage and pepper harvest continues in Texas. Rains in California slowed harvesting of avocados, artichokes, broccoli, cauliflower, brussels sprouts, and carrots. In Arizona lettuce and mixed vegetable harvesting is becoming more active.

**PASTURES AND LIVESTOCK:** Cold, wet weather in the Great Plains is causing some supplemental feeding of livestock and decline in livestock condition. The movement of livestock to market is tapering off in most western States. Small grain pastures are beginning to provide good grazing in many areas.

Arlon M. Scott  
 Agricultural Statistician

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., November 19, 1972

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	46	-7	1.9	+1.0	New Orleans	52	-8	4.8	+4.0	OKLA.Okla. City	37	-11	.7	+ .3
Mobile	53	-6	2.2	+1.4	Shreveport	48	-7	3.1	+2.1	Tulsa	38	-9	.8	+ .3
Montgomery	50	-4	1.8	+1.0	MAINE,Caribou	26	-4	T	-.7	OREG.Astoria	45	+1	.7	+ 1.8
ALASKA,Anchorage	22	0	T	-.2	Portland	29	-9	1.2	+ .2	Burns	37	+1	.3	0
Barrow					MD,Baltimore	40	-5	3.3	+2.6	Medford	45	+3	.5	-.1
Fairbanks	4	+1	.1	0	MASS,Boston	38	-7	1.6	+ .7	Pendleton	41	0	.1	-.1
Juneau	35	+1	1.2	-.2	Chatham	40	-5	1.9	-.7	Portland	47	+2	.3	+ 1.0
Nome					MICH,Alpena	30	-5	T	-.6	Salem	46	+1	.8	+ .6
ARIZ,Flagstaff	27	-9	.9	+ .7	Detroit	33	-6	1.1	+ .6	PA.Allentown	36	+6	3.3	+2.5
Phoenix	58	0	.4	+ .3	Flint	32	-5	.4	-.1	Erie	33	-6	1.5	+ .7
Tucson	52	-6	.8	+ .6	Grand Rapids	29	-9	.2	-.4	Harrisburg	40	-3	2.7	+2.0
Winslow	42	+1	.1	0	Houghton Lake	29	-5	T	-.6	Philadelphia	40	-4	3.5	+2.7
Yuma	58	-3	.2	+ .2	Lansing	28	-10	.7	+ .2	Pittsburgh	36	-5	1.2	+ .6
ARK,Fort Smith	41	-9	1.3	+ .6	Marquette	30	-4	.1	-.9	Scranton	32	-8	2.3	+1.6
Little Rock	46	-3	2.1	+1.1	Muskegon	33	-7	.1	-.7	R.I.Providence	37	-6	2.1	+1.1
CALIF,Bakersfield	55	-1	4.1	+4.0	S.Ste,Marie	29	-4	.1	-.7	S.C.Charleston	53	-3	.7	+ .2
Eureka	52	+1	.9	-.2	MINN,Duluth	22	-5	.1	-.3	Columbia	52	-1	2.6	+2.0
Fresno	52	-1	1.8	+1.6	Internatl Falls	22	-1	.1	-.3	Greenville	46	-6	2.9	+2.3
Los Angeles	58	-5	2.7	+2.4	Minneapolis	29	-2	T	-.3	S.DAK,Aberdeen	28	-2	.1	0
Red Bluff	50	-4	3.2	+2.6	Rochester	27	-4	0	-.4	Huron	27	-4	T	-.1
San Diego	58	-4	1.9	+1.7	St. Cloud	27	-3	T	-.3	Rapid City	23	-12	.1	0
San Francisco	54	-1	2.9	+2.5	MISS,Jackson	48	-7	1.3	+ .4	Sioux Falls	27	-5	T	-.3
Stockton	52	-1	2.8	+2.5	Meridian	48	-6	1.8	+1.1	TENN,Chattanooga	43	-6	1.5	+ .6
COLO,Denver	29	-8	T	-.1	MO,Columbia	30	-14	1.9	+1.3	Knoxville	45	-4	1.4	+ .6
Grand Junction	39	+1	.2	+ .1	Kansas City	33	-11	.9	+ .5	Memphis	42	-8	2.5	+1.5
Pueblo	34	-6	T	-.1	St. Louis	36	-8	1.7	+1.1	Nashville	46	-2	1.4	+ .6
CONN,Bridgeport	38	-7	3.2	+2.2	Springfield	37	-7	1.4	+ .8	TEX,Abilene	41	-12	.1	-.1
Hartford	34	-8	2.0	+1.0	MONT,Billings	31	-4	T	-.1	Amarillo	31	-15	.7	+ .5
D.C.Washington	44	-4	3.1	+2.4	Glasgow	30	+2	T	-.1	Austin	49	-9	.1	-.4
FLA,Apalachicola	59	-2	2.2	+1.6	Great Falls	34	0	T	-.2	Beaumont	51	-8	3.1	+2.2
Ft. Myers	68	-1	2.7	+2.4	Havre	28	-1	T	-.1	Brownsville	64	-4	.1	-.2
Jacksonville	60	-2	.5	+ .1	Helena	30	-1	T	-.1	Corpus Christi	60	-4	.4	0
Key West	78	+4	.3	-.3	Kalispell	33	+2	.1	-.2	Dallas	46	-8	1.1	+ .5
Lakeland	65	-2	1.3	+ .6	Miles City	30	-2	T	-.1	Del Rio	54	-5	T	-.1
Miami	71	-1	1.3	+ .6	Missoula	36	+6	T	-.2	El Paso	49	-2	T	-.1
Orlando	67	+1	1.1	+ .8	NEBR,Grand Island	28	-9	1.3	+1.1	Fort Worth	45	-9	.4	-.2
Tallahassee	57	-2	2.7	+2.1	Lincoln	29	-12	1.2	+ .9	Galveston	55	-8	4.2	+3.3
Tampa	66	0	2.2	+1.9	Norfolk	28	-7	.1	-.1	Houston	52	-7	4.3	+3.4
GA,Atlanta	48	-3	1.6	+ .9	North Platte	24	-11	.3	+ .2	Lubbock	38	-10	.5	+ .4
Augusta	52	-2	.6	+ .1	Omaha	28	-9	1.2	+ .9	Midland	43	-9	T	-.1
Macon	54	-1	1.8	+1.2	Valentine	25	-8	T	-.1	San Angelo	45	-9	T	-.2
Savannah	57	0	.8	+ .4	NEV,Ely	31	-3	.1	0	San Antonio	56	-3	.1	-.2
HAWAII,Hilo	74	+1	8.5	+5.4	Las Vegas	48	-5	1.1	+1.1	Victoria	54	-8	1.1	+ .6
Honolulu	78	+2	T	-.5	Reno	36	-2	.4	+ .3	Waco	46	-11	.4	-.1
Kahului	76	+1	1.6	+1.6	Winnemucca	37	+1	.6	+ .4	Wichita Falls	40	-12	.7	+ .4
Linu	77	+2	.3	-.7	N.H.Concord	25	-13	1.2	+ .3	UTAH,Blanding	35	-3	.3	+ .2
IDAHO,Boise	43	+5	.2	-.1	N.J.Atlantic City	41	-6	3.6	+2.7	Salt Lake City	42	+6	.2	-.1
Lewiston	42	+2	.2	-.1	Trenton	40	-6	2.5	+1.8	VT,Burlington	27	-8	.3	-.4
Pocatello	36	+2	.1	-.1	N.MEX,Albuquerque	39	-4	.3	+ .2	VA,Lynchburg	42	-5	3.2	+2.6
ILL,Cairo	42	-6	1.7	+ .8	Roswell					Norfolk	51	-1	1.3	+ .6
Chicago	35	-5	1.8	+1.3	N.Y.Albany	26	-13	2.2	+1.5	Richmond	45	-4	1.9	+1.2
Moline	32	-7	1.2	+ .7	Binghamton	29	-9	2.0	+1.4	Roanoke	44	-3	3.1	+2.5
Peoria	32	-7	1.1	+ .6	Buffalo	31	-8	1.1	+ .2	WASH,Colville	39	+6	.3	-.2
Rockford	33	-4	.4	-.2	New York	40	-8	2.4	+1.6	Omak	40	+6	.4	+ .1
Springfield	34	-7	.9	+ .3	Rochester	30	-10	1.5	+ .9	Quillayute	44	-1	.4	+2.8
IND,Evansville	40	-4	3.3	+2.5	Syracuse	31	-9	1.2	+ .5	Seattle-Tacoma	44	0	.2	-.1
Fort Wayne	33	-6	1.7	+1.1	N.C.Asheville	43	-3	2.2	+1.7	Spokane	39	+4	.1	-.4
Indianapolis	36	-5	2.5	+1.7	Charlotte	47	-3	2.9	+2.3	Walla Walla	42	0	.2	-.2
South Bend	32	-7	1.4	+ .8	Greensboro	44	-4	2.6	+2.0	Yakima	44	+7	.2	0
IOWA,Burlington	31	-8	1.2	+ .7	Hatteras	57	0	2.8	+1.8	W.VA,Beckley	38	-4	1.1	+ .4
Des Moines	26	-10	1.0	+ .6	Raleigh	45	-5	2.9	+2.2	Charleston	41	-4	1.2	+ .5
Dubuque	31	-4	.7	+ .1	Wilmington	55	-1	2.1	+1.5	Huntington	41	-5	1.6	+ .9
Sioux City	30	-6	T	-.3	N.DAK,Bismarck	25	-3	T	-.2	Parkersburg	39	-6	1.3	+ .7
KANS,Concordia	31	-10	.9	+ .7	Fargo	27	0	T	-.2	WIS,Green Bay	30	-4	T	-.5
Dodge City	29	-13	.7	+ .5	Williston	26	-1	T	-.1	La Crosse	30	-4	0	-.6
Godland	25	-12	.8	+ .7	OHIO,Akron-Canton	36	-5	1.7	+1.2	Madison	29	-1	.5	-.1
Topeka	33	-9	1.6	+1.3	Cincinnati	39	-3	2.1	+1.4	Milwaukee	33	-3	T	-.2
Wichita	34	-10	.7	+ .3	Cleveland	37	-4	1.6	+ .7	WYO,Casper	31	-2	T	-.1
KY,Lexington	43	-2	1.4	+ .6	Columbus	37	-4	1.3	+ .7	Cheyenne	28	-6	T	-.2
Louisville	42	-3	2.7	+1.9	Dayton	35	-7	1.8	+1.1	Lander	25	-5	T	-.2
LA,Baton Rouge	55	-4	2.9	+1.8	Toledo	34	-2	1.4	+ .9	Sheridan	32	-1	T	-.2
Lake Charles	52	-7	2.4	+1.3	Youngstown	34	-5	1.6	+ .9	P.R. San Juan	81	+3	.3	+ 1.3

\* Departures are from 30-year means (1931-60). Based on preliminary reports

## CONDENSED STATE SUMMARIES

These summaries provide brief descriptions of condition and activities important on a national scale. Detailed reports of crop and weather conditions during the growing season are contained in State issues of Weekly Weather and Crop Bulletins published by field office of the Statistical Reporting Service, U.S.D.A. in cooperation with NOAA Climatologists.

**ALABAMA:** Warm with widespread 1.00-2.00-inch rains Monday; locally more than 3.00 inches extreme south-east. General Rains Saturday. Colder Tuesday with temperatures well below normal rest of week. Below freezing extreme north Thursday morning and over northern half of state and locally in south Saturday morning. Lowest 25 at Huntsville Saturday. Warmest 79° at Dothan Monday. Harvest delayed further by rain and wet fields. Cotton harvest about 3/4 complete, a little behind last year. Open weather urgently needed to complete this operation. Harvest of corn for grain slightly more than 4/5 complete. Combining soybeans slow with about 70% expected production harvested. Limited acreage may not be combined due to wet ground and weedy fields. Growing conditions favorable for small grains--additional acreage will be planted when weather and harvest permit. Pastures provided adequate grazing north and central, grazing short south. Winter grazing crops made good growth, but acreage limited by dry weather.

**ARIZONA:** Although cold air predominated over State and weekly mean temperatures were below normal most sections, minimum temperatures remained above freezing in agricultural sections in southern part of State with snow above about 5,000 feet. Weekly water totals were greatest along Mogollon Rim and in White Mountains, but most values were less than 1.50 inches. Spotted showers followed by general rainfall late in week. This hampered cotton harvest. Cotton crop all open except of Mohave County. Condition good in west, fair to poor elsewhere. Rain slowed harvest central and southeastern areas. Quality reduced by wet weather. Sorghum grain harvest full swing southeast, limited in Maricopa, Yuma. Sugar beets satisfactory progress. Land preparation, seeding small grains continued. Alfalfa hay harvest made progress, some fields being renovated, replanted. Lettuce, mixed vegetable harvest active Salt River Valley. Lettuce harvest full swing, Pinal and Pima counties. Lettuce, mixed vegetable harvest active Graham, Greenlee, and Cochise counties. Navel oranges, tangerines, lemons, and limited grapefruit picked Salt River Valley. Harvest lemons, grapefruit, navels continued Yuma area. Ranges fair to mostly good. Higher elevation ranges received rain, snow past week. Stock water supplies improved. Cattle, calves fair to mostly good. Sheep, lambs fair northern Indian reservations but good in desert valleys.

**ARKANSAS:** Mean temperatures averaged 6° to 13° below normal with largest departures western half of State. Mild early in week followed by pronounced cooling at midweek and little change thereafter. Highest: 72° at Little Rock, Morrilton, and Calico Rock on 13th. Lowest 28° at Batesville on 16th. Weekly rainfall generally in excess of 1.00 inch over southern half of State with south-central and southeast sections averaging 2.50 to 3.50 inches. Over northern half of State, amounts ranged from 0.36 inch to 1.08 inches. Largest weekly total, 3.59 inches, at Arkansas City. Scattered light showers during week with heaviest rains on weekend. Harvest continues to lag. Rain early in week, but fields dried enough for harvest to be resumed some areas Wednesday. Rain again Saturday halted field activity. Too wet generally, but farmers trying to

salvage what they can. Cotton picking about 80% complete; most remaining is 2d picking, but 1st picking not finished all areas. Significant weather damage to quality and yield. Soybeans about 68% combined, less than 50% in some counties. Harvest particularly slow northeast. Loss from flooding heavy in few counties. Early fields of wheat and oats growing well. Wet soils continue to delay further seeding of wheat. Pastures mostly good for this date. Small grains providing grazing. Live-stock situation generally favorable.

**CALIFORNIA:** Moderate to heavy rains north of Tehachapi and south coast range. Rainfall amounts for week over 2.00 inches this area, near 0.50 inch desert. Heavy snow above 4,000 feet Sierra. Seasonal precipitation totals 3 to 6 times normal, wettest season on record through this date many locations. Average temperatures mostly 2° to 6° below normal, as much as 10° below normal Sierra Nevada, low desert. Rain halted most activity. Corn, beans, milo damaged. Cotton harvest halted, minor damage. More than a week possible delay on heavy soils San Joaquin Valley, other areas resume with few days good weather. Winter cultural practices increasing. Harvesting deciduous fruit crops complete. Valencia orange harvest continues very slow. Navel orange harvest underway San Joaquin Valley, just started south coast. Rains slowed harvest many areas, expected to help size fruit. Picking lemons, tangerines and grapefruit underway desert. Recent rains slowed avocado harvest. Artichoke harvest not increasing rapidly as expected. Broccoli, cauliflower movement limited muddy fields. Brussels sprouts harvest slow, wet fields. Heavy rains curtailed carrot digging Salinas, Santa Maria, except lighter soils. Southern California sweet corn limited season nears end. Palo Verde lettuce approaching peak. Imperial Valley deal expected underway last week November. Bakersfield past peak, rains halted onion transplanting Stockton. Winter potato harvest beginning Bakersfield. Rains hurting tomatoes Ocean, Chula Vista, slowed harvest Visalia. Northern California pastures excellent. Southern areas improving rapidly. Calving and lambing well along, a few areas just underway. Supplemental feeding decreasing. Milk production down slightly northern California due cool weather past weeks.

**COLORADO:** Temperature averages zero to 4° below normal in mountains; 8° to 10° below normal San Luis Valley and eastern plains. Very little precipitation although snow cover prevails all areas from previous storms. Ground blizzards over most of eastern plains on 13th closing some highways. Numerous weather related accidents throughout week. Fields snow-covered or very muddy most areas of State. Some crop loss evident from prolonged wetness and heavy snow. Harvest progressed slightly; grain sorghum harvest 1/2 complete, corn harvest for grain 57% complete, sugar beet harvest 92% complete. No additional threshing dry beans. Winter barley and wheat condition excellent most areas. About 13% winter wheat being pastured. Considerable acreage wheat crop stubble and pasture snow-covered. Supplemental feeding necessary many areas. Condition livestock fair; declined past week due to wet weather; undrained feed lots and difficulty of grazing.

**FLORIDA:** Temp. nears normal as cold frontal passage midweek offset daily highs in 80's early part of week. With Clear skies temps tumbled Saturday morn into 30's northern section and 40's central section. Rainfall aver. 1.00 to 2.00 inches except scattered showers in Keys. Pastures improved by rain, but some areas still dry. Most field crops harvested except for soybean and cotton. Sugarcane harvest underway. Cows and calves fair to good with pasture feed mostly adequate. Citrus trees and fruit excellent condition. Dormancy aided by cool temperatures. Natural fruit color increasing from cool weather. Some splitting of oranges. Not general. Interstate shipments of vegetables totaled 1926 carlots last week compared with 1608 carlots the previous week. Supplies of tomatoes increased sharply and now lead all crops. Sweet corn and cucumbers declined, but remain in good supply. Snap beans and eggplant volume remains about steady. Shipments of celery and leafy vegetables, green peppers, squash and radishes increased last week and now in good supply. Supplies of other crops are generally light but increasing seasonally.

**GEORGIA:** General rains at beginning and end of period. Totals mostly between 1.00 and 2.00 inches but ranged from less than 0.50 inch along lower coast to over 4.00 inches parts of southwest. Dry conditions now relieved except parts of east-central and southeast sections. Warm beginning of week but more seasonal last half. Coolest Saturday when parts of north and central experienced first freeze of fall. Most areas except lower coast had readings in low 30's. Averages ranged from near normal south and central to 3° below normal in north. Extremes: 85° and 28°. Soil moisture improved over much of state, some southern sections still dry. Both small grain and pasture condition vary widely, but most rated fair. Cotton, corn and soybean harvest remained active and nearing completion many areas. Pecan harvest continued. Tobacco plant bed preparation started. Livestock mostly fair to good.

**HAWAII:** cool and cloudy. Rain light to moderate on Hawaii, but light on Maui, Oahu, and Kauai. Wet fields continued to hamper farm operations. Progress of crops, however, fair to good. Production of sugarcane about normal. Planting operations active pineapple plantations. Harvesting bananas and papayas heavy. Supplies of locally-grown vegetables ample. Inshipments of mainland crops light because of west coast dock strike. Recent rain improved pastures. Feed supply adequate, but shortages expected if shipping strike continues.

**IDAHO:** Temperatures averaged normal to slightly above normal with no trend. Precipitation mostly less than normal. Fairfield and Gooding, south-central, 0.50 and 0.44 inch for largest weekly totals. Conditions excellent for fall plowing, and sugar beet harvest in final stages. Fall seedings in good condition. Very limited supplemental feeding of livestock to date. Potato and onion marketing active.

**ILLINOIS:** Precipitation amounts generally ranged near 1.00 to 2.50 inches south and 0.50 to 1.50 inches north. Part of precipitation was snow in northwest and west-central portions of State where some stations reported 2 to 4 inches of snow. Temperatures averaged 4° to 8° below normal. Cold air moved into State after rain and snow early in week. Low temperature readings by midweek ranged from the teens and 20's northwest to low 30's southeast. Almost no harvest progress across

State. Corn 50% harvested, normal 80%, 1971 95%. Combining of soybeans 80% for 3d week. No further wheat seeded, 93% complete. Grain sorghum harvest holding at 50%. Fall plowing no progress at 30%. Pasture mostly good to excellent, supplying 50% livestock roughage requirements. Soil moisture adequate 19%. Surplus 81%. Averaged 1.9 days suitable for limited corn harvesting.

**INDIANA:** Wet but some drying weather at midweek. Precipitation averaged 2.00 inches in week ending Friday and 0.25 to 0.50 inch fell over weekend including a few inches of snow in extreme north and freezing temperatures. Temperatures declined to low 20's on 16th and were in 50's in south on 14th. Very cloudy and high humidities. One day suitable for fieldwork. Dismal field conditions persist. Ear rot, stalk rot, and mold plague standing crops. Topsoil and subsoil moisture surplus. Corn 35% harvested, 60% average and 85% last year. Soybeans 50% combined, no progress since November 1. Combining full month behind last year and average. Sorghum grain 60% combined. Wheat 80% emerged, stands good. Pastures fair to good.

**IOWA:** Temperatures averaged 6° to 10° below normal with minima as low as 0° on 15th at Grinnell. Heavy precipitation southern 2/3 of State began as rain and turned to snow producing as much as 10 inches new snow at Winterset. Heaviest snowfall zone extended from southwest division into Dubuque area. Snow on top of muddy fields has added to harvesting problems throughout most of State. Some progress made in corn harvest in northwest which was missed by snow. Slightly more than 2 days suitable for fieldwork, ranging from more than 5 days in northwest to less than 1 day in south. About 46% of corn harvest complete, behind 1966-1970 average 75% and 1971's 92%. Corn harvest ranges from 70% in northwest to 30% in southwest. Little progress made on soybean harvest which stands at 82% complete, compared to 100% complete for both the 1966-1970 average and 1971. About 70% grain sorghum and 62% popcorn harvested. Topsoil moisture 85% surplus and 15% adequate.

**KANSAS:** Wintry conditions prevailed. Light to moderate precipitation and unseasonably cold entire State. Near blizzard northwest early in period. Locally 12 inches snow that area. Parts southeast had 8 inches snow late in week. Snow depth generally 1 to 3 inches over State at end of period. Weekly precipitation totals mostly 0.10 to 0.25 inch west and 0.25 to 1.00 inch elsewhere. Weekly mean temperatures averaged much below seasonal. Fall harvest delayed by wet fields and snow cover. Sorghum grain harvest 49% completed, 87% year ago, 86% average. Severe lodging of grain sorghum from snow and freezing rain. Corn harvest 69% complete, 80% average. Soybean crops 72% harvested by week-end, 89% year ago. Range from 81% to 99% past 10 years. Snow eastern areas added to soybean harvest problems. Moisture supply for wheat boosted by precipitation, but growth slow. Livestock required extra care and supplemental feed due to storm. Livestock marketing slowed by snow and muddy roads. Cold wet weather increased health problems with shipped-in and newborn calves. Electric power interrupted some areas by ice storms.

**KENTUCKY:** Cloudy, cool, and rainy week. Temperatures averaging 2° to 6° below normal. Weekly rainfall totals 1.00 to 3.00 inches. Maximum temperatures in 30's and 40's 15th to 17th. General rains beginning and end of week; light rain or drizzle one or more areas other days. A few

snow flakes scattered locations 14th to 16th. Coolest week since late February. Fifth straight wet week, soybean harvest has been at near standstill and some beans beginning to mold. Drying out period urgently needed for both soybean and corn harvest. Damp weather favorable for burley tobacco stripping. Burley markets opened November 20, with a good price on a quality leaf anticipated. Some acreage of wheat and barley not seeded because of wet weather. Pastures seasonally good.

**LOUISIANA:** Cloudy cold week with locally heavy rain at beginning and on Saturday. Temperature averaged 5° to 9° below normal. Weekly rain totals 1.00 to more 2.00 inches in north, 2.00 to more than 4.00 inches in the south. Temperature extremes: 77° Boothville Monday, 31° Homer and Covington Friday. Greatest 1-day total, 2.90 inches measured at Moisant Airport Sunday morning. Harvest of cotton and soybeans limited to 1 or 2 days in most areas by heavy rainfall at beginning and end of week. Yield deteriorating. Cotton about 75% harvested, soybeans 80%. Harvest of soybeans active all week, but slowed by excessive moisture, trash, and mud. Sugarcane harvest 45% complete. Net tonnage higher than expected, sucrose and purity improving. Digging of sweet potatoes nearing completion, yield good. Pecan harvest slowed by wet weather, crop very short. Most winter pasture still developing, some acreage still to be seeded. Livestock going into winter in good condition. Pasture feed about average.

**MARYLAND:** Cold and wet. Temperatures, below normal 15th to 19th, averaged 2° to 5° below normal. Extremes mostly upper 50's to upper 60's, 20's. Widespread heavy rain on 2 days, 14th and 19th, each with near 1.00 to 2.00 or more inches. Heaviest in area from central Maryland into northern Delaware. November rainfall now above normal to much above normal. Wet fields and slow drying of grain causing major delays in harvest. Soil moisture surplus all areas except western Maryland. Corn 86% harvested, slowest harvest since 1967. Soybeans 57% combined, average 81%, latest harvest since 1962. Apple harvest completed without damage from earlier freezes. Late pastures about average. Fall grain seeding continues following late harvest.

**MICHIGAN:** Cool, cloudy, intermittent light snow except significant totals up to 6 inches south at midweek in narrow band Benton Harbor to Lansing and Port Huron. Temperatures showed little change, averages 3° to 4° below normal Upper Peninsula and 4° to 10° below normal Lower Peninsula. Precipitation totals: Trace to 0.25 inch northern 2/3 Michigan increasing rapidly to 0.50 to 1.25 inches southern 1/3 Lower Peninsula. Wet fields and snow further delayed harvest of fall crops. State averaged only 2.4 days suitable for fieldwork. Soil moisture generally surplus. High water level of Lake Erie flooded soybean fields and some sugar beets near Lake. Much corn still too wet to harvest. Considerable mold in unharvested corn and soybeans. Snow in south-central areas caused additional lodging of corn and soybeans. Grain corn only 35% harvested compared with over 80% last year. Less than 50% soybeans harvested compared with about 90% a year ago. Sugar beets 95% harvested. Some colored beans still not harvested and may be abandoned. Standing water drowned some winter wheat. Late apple varieties not all harvested.

**MINNESOTA:** Temperatures about 3° below normal. Extremes: 40°, 2°. Little precipitation. Snow flurries in Arrowhead region. Weather continues exceptionally cloudy. In last 23 days, Minneapolis-

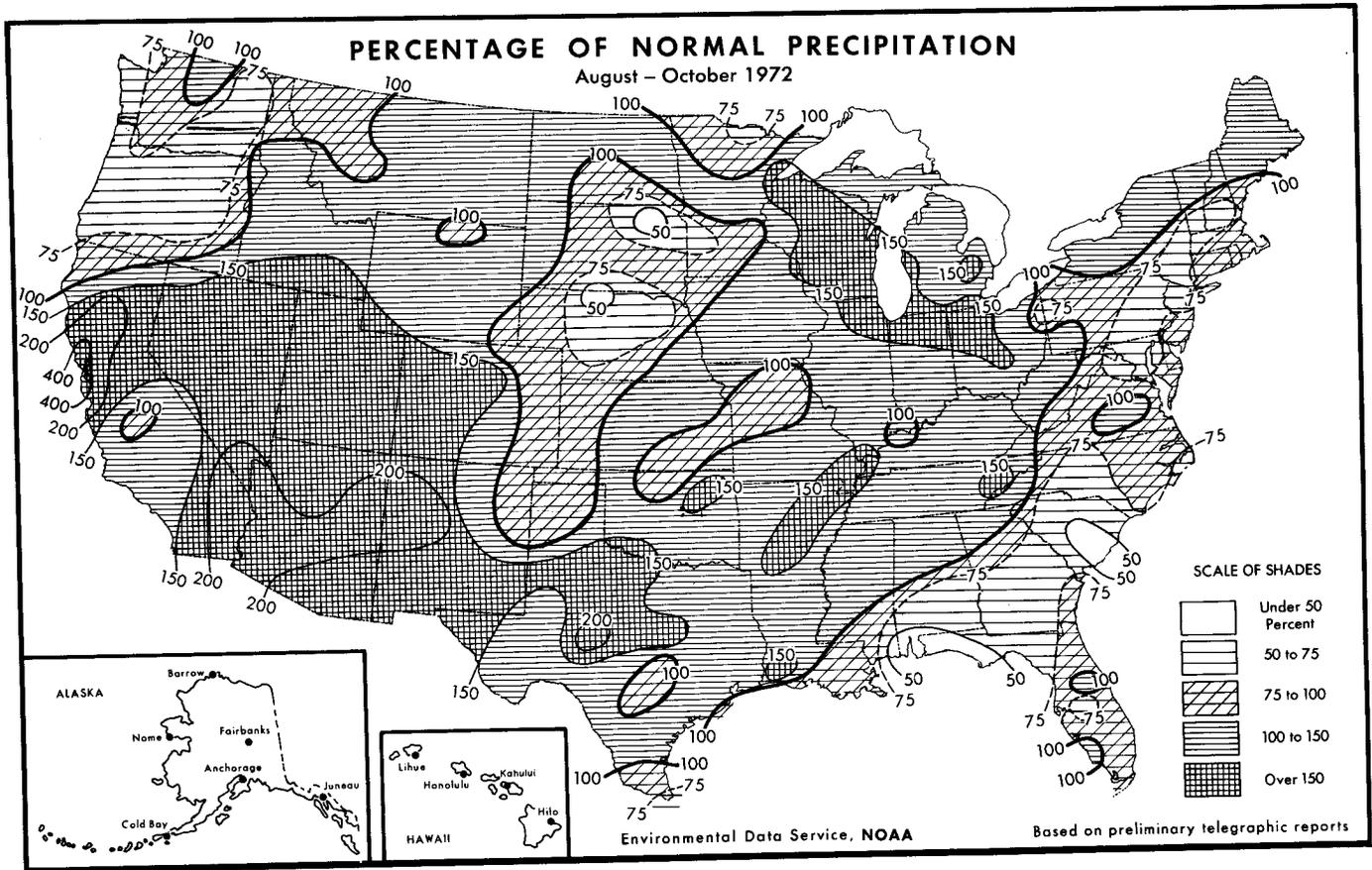
St. Paul has recorded 5.1 hours of sunshine, Duluth 8.3 hours, and Fargo 9.2 hours. Cold temperatures froze ground sufficiently southeast district to permit machinery in fields and resume harvesting. Soybean combining slow remaining areas because of high moisture. Corn picked 83%, normal 82%; moisture 26%, normal 25%. Soybeans combined 93%, normal 98%.

**MISSISSIPPI:** Temperatures were 1° to 5° colder over the State. Mild temperatures on Monday gave way to colder temperatures on Tues. which persisted for the remainder of week. Showers and thunderstorms accompanied a cold front through the State Monday and rainfall amounts ranged generally from 0.50 to 2.00 inches. Scattered frosts were reported Friday morning over southern 2/3 of State. Rains continued to delay harvest. Fieldwork averaged 2.3 days. Cotton 82%, corn 88%, and soybeans 51% harvested. Wheat 65% and oats 86% planted. Pastures in fair to good condition. Livestock in mostly good condition.

**MISSOURI:** A cloudy, dismal week. Temperatures averaged 2° below normal south to 8° below normal north. A slight cooling trend during week, frequent precipitation with heaviest amounts at beginning of week. Amounts ranged from 3.00 inches portions of Ozarks to just under 1.00 inch in northeast. Most areas received between 1.00 and 2.00 inches. Flooding on many rivers in Ozarks and along Missouri River west of St. Louis. At end of week, heavy snow reported in narrow band from Springfield to Boonville with snow depths of over 6 inches common. Days suitable for fieldwork, less than 2 because of excessive moisture. Harvest at virtual standstill. Corn 55% harvested, 91% year earlier. Soybeans 56% harvested, 94% a year ago. Grain sorghum 63% completed, 92% last year. Cotton 52% picked, 92% a year ago. Wheat condition fair to good. Soil moisture for topsoil mostly surplus, while subsoil adequate to surplus.

**MONTANA:** Temperatures averaged 6° above normal in west, and near normal over remainder of State. Precipitation very light with no significant storm systems. Winter wheat fair to good. Growth and conditions good to excellent eastern 1/3. Topsoil moisture short to adequate, varying by locations. Livestock conditions good. Grazing open most areas.

**NEBRASKA:** Paramount weather was severe storm of 12th and 13th. This storm curtailed travel in Panhandle and southern 2/3 of State, and caused severe crop losses in sections of east and south. Wet snow piled up 6 inches or more over much of west and south before storm abated, with Hays Center and Stapleton both measuring 14 inches. Remainder of week and weekend remained cloudy and abnormally cold. Periods of snow or freezing drizzle followed storm of 12th to 13th but resultant moisture amounts small. Temperatures averaged 9° to 12° subnormal, with maximums mostly in 20's and low 30's. Precipitation totaled far in excess of normal over west and south. Two inches or more of moisture accumulated in portions of southeast. Main farm activity during past week confined to livestock care and snow removal. Some harvesting done in northeast district, but fields wet and muddy. Progress very slow. Crop losses vary between areas. Generally sorghum damaged about twice as much as corn. Soybean damage varies from light to very heavy. Damage to corn and milo dependent on future weather. Sorghum that is down is snow-covered. Corn has tops of stalks broken above ears, breakage below ear, and ear drop not



### Precipitation - August to October 1972

August - October rainfall exceeded the normals over most of the Nation. Along the middle California Coast, the rainfall totaled several times the normals. Below normal rains fell in the Far Northwest and along the Atlantic Coast.

Four areas received generous rains in August: The Los Angeles vicinity; Montana and nearby parts of neighboring States; Wisconsin and Michigan; and

southeastern New Mexico and western Texas. The Great Basin, the Great Lakes Region and Ohio River Valley, and the Lower Mississippi River Valley received heavy rains in September. Heavy precipitation occurred from the Great Basin to the Continental Divide and parts of the southern Great Plains in October.

L. W. Dye

extensive. Corn harvest 44% complete, compared to 93% last year, and 80% normal. Corn stand is still in good condition with some reports of mold eastern 1/2 of State. Sorghum harvest virtually unchanged from previous week at 63% completed, last year 98% harvested, normal is 90%. Soybean harvest unchanged from last week at 85% completed, with 99% last year, and 97% normal. Feedlots extremely muddy and all range cattle being fed supplemental forage. Harvested fields being utilized where available.

**NEVADA:** Temperatures averaged 2° to 5° below normal except northeast which was normal. Precipitation moderate to heavy all stations. Las Vegas, 1.07 inches; Logandale, 1.13 inches. Snow except extreme south from trace at Tonopah to 6 inches at Virginia City. Higher amounts in mountains. Cotton harvest in Pahrump Valley processing favorably. Limited acreage of vegetables in Moapa Valley continues to be harvested. Grading, sorting, and marketing of potatoes continue. Fields of fall-planted grains appear in good condition. Winter feed supplies and

stockwater adequate in most areas. Livestock in generally good condition.

**NEW ENGLAND:** Very cold week with two major storms. Temperatures averaged mostly 5° to 10° below normal. A few zero readings in New Hampshire on 17th. First storm dropped heavy rain southern coastal areas and snow interior sections. Nearly all fell as snow in Maine. Portland had 11.1 inches snowfall for most in 24-hours so early in season since 1905. Snowfall totals 1 to 1.5 feet common in higher elevations of southern Vermont and southwestern New Hampshire where snow and wind felled limbs and knocked out utility lines. Snow and precipitation yields decreased further north, with only trace amounts some of northern Maine. Second storm on 19th and 20th mainly as rain. Totals 1.00 to 2.00 inches south, decreasing northward to almost none in northern Maine. Some snow in north from second storm. Precipitation for week varied from about 0.10 inch northern Maine to mostly 2.00 to 4.00 inches over southern half of New England.

**NEW JERSEY:** Heavy rain on 15th varied from 1.42 to 2.50 inches. Rainfall at close of week ranged from 0.60 to 1.40 inches with many counties reporting storm totals in excess of 1.00 inch. Trace of snow or ice pellets on 15th and morning of 19th. Temperatures well below seasonal. Readings for week ranged from low 20's on 18th and 19th to a high of 60° over weekend.

**NEW MEXICO:** Scattered light showers midweek became quite general Friday with snow in higher elevations. Local showers of more than 0.50 inch northern mountains. Cooler with general below-normal average temperatures. More than 5° below normal much of eastern plains and central mountains. Coolest early in week and warmest in midweek. Field activities progressed during week of favorable weather. Most harvest activity cotton, sorghum grain, peanuts, pecans. Wheat providing excellent grazing, increasing numbers moving on to pastures. All crops generally good. Soil moisture plentiful to carry crops through winter. Livestock and ranges good condition. Movement to market tapering off. Estimated percent harvested. Cotton 40, grain sorghum-irrigated 50, dry 25, peanuts 85. Hay, lettuce about through.

**NEW YORK:** Cold wintry week. Temperatures moderate 13th, turning colder on 14th and continued much below normal through 18th. Maximums upper 20's to low 30's Upstate 15th and 16th. Minimums 25° to 30° Long Island and teens to low 20's Upstate latter half of week with 0° to 10° east-central on 17th. Albany reported 7°. First significant snowfall of season from early week storm totaled 10 to 14 inches east-central and 6 to 9 inches Lake Ontario Plain. Elsewhere mostly 2 to 4 inches except traces coastal sections. Precipitation moderate northern quarter to very heavy Hudson Valley and Long Island from storms 13th and 14th and night of 19th. Precipitation for 1972 to date in New York City exceeds records 12-month total of 58.30 inches in 1903.

**NORTH CAROLINA:** First snow of season northern Piedmont night of 16th, accumulations up to 1 inch. Rain 14th, 17th, and over weekend, totals 1.00 to 4.00 inches averaging 2.00 inches. Temperature range 15° to 80°, mostly 30° to 70°. Freezing 1 or 2 nights most areas, 2 to 4 nights mountains. Average temperature slightly below normal. Rains and cool weather limited harvesting progress. Corn harvest about 90% complete -- well ahead of last year. Very little peanut acreage remains to be combined. Soybean combining major concern -- 40% now out of fields. Cotton picking passed 60% point. Lespedeza seed 70% harvested. Sorghum harvest nears end -- about 20% remains to be harvested. About 80% small grain acreage seeded. Growing crops good shape. Soil moisture generally adequate except surplus northern Piedmont. Pasture conditions remain good.

**NORTH DAKOTA:** Colder with some sunshine first of week followed by cloudy and milder weather. Occasional light snow flurries or drizzle. Precipitation totals traces in most areas except up to 0.04 inch in east. Temperatures averaged normal to 5° below normal. Harvesting of corn and sunflowers made good progress during past week. Livestock in generally good condition. Feed supplies adequate. Farmers and ranchers winterizing farm buildings and preparing for winter.

**OHIO:** Passage of low-pressure system brought strong northerly winds to southern shore of Lake

Erie on 13th and 14th. Extensive flooding resulted. Estimated damages set at \$22 million. Minimum temperatures ranged from low 20's to mid-40's. Maximums temperatures ranged from mid-30's to low 50's Wooster, Ashtabula, Mansfield, and Montpelier recorded 1 inch of snow. Rainfall amounts heavy on 13th and 14th. Many locations had 24-hour amounts as high as 1.75 inches during this 2-day period. During same period, Youngstown, Toledo, and Cleveland had 0.64, 0.63, and 0.65 inch in a 6-hour period. Harvest made little headway during the past week due to continued wet weather and muddy fields. Since mid-October the number of days suitable for fieldwork has steadily declined from under 5 days per week to slightly over 1 day for the week ending November 17. Soil moisture supplies were rated 100% surplus over the State. Corn for grain is only 35% harvested, last year 95% was harvested with 85% average progress. During the late harvest of 1967, 40% of corn for grain had been harvested on this date. Harvesting of this year's soybean crop made little progress during the week with slightly more than 55% harvested, compared to average progress of 95%. Sugar beet lifting is also at "turtle's pace" with 45% complete. Popcorn harvest is now 35% along, last year virtually all of the crop was harvested.

**OKLAHOMA:** Precipitation averaged from 0.30 inch Panhandle to 0.90 inch southeast. Moderate to heavy snow northern 2/3 State Saturday 18th with depths from 3 inches northeast to 8 inches west-central. Temperatures averaged much below normal. Greatest departure, -12° in Panhandle and north-central. Row crop harvest behind normal progress as wet fields continue to limit harvest activities. Additional precipitation over weekend will again delay harvest and most other fieldwork. Unharvested peanuts have incurred rather heavy field losses, especially in south-central Oklahoma. Approximately 1/5 crop still in field. Cotton harvest made limited headway with 1/3 crop stripped compared with 5-year average of 2/5. Freezing temperatures should speed progress once fields have dried. Sorghum grain harvest 3/5 completed essentially same as previous week. Pecan harvest 1/4 complete. Below-normal temperatures limited growth small grains. Many fields still too wet to graze; however, supplemental feeding expected to decrease as fields dry and additional growth makes more fields available to pasture. Livestock remains fair to good condition.

**OREGON:** Mild, foggy week with light rain first and last of period. Temperatures averaged 2° to 6° above normal. Minima 22° to 34° east, 30° to 41° west. Maxima 45° to 64°. 1 to 4 days of rain totaled mostly 0.10 to 0.20 inch except few 0.40 to 0.60 inch southern 1/3 of State. Fall-sown grains look very good although some reseeding necessary because of crusting. Western Oregon farmers are spraying wheat for rye grass. Orchard pruning underway as well as harvest of Christmas trees and holly. Fall vegetable and sugar beet harvest continues. Ranges remain fair to adequate for fall grazing.

**PENNSYLVANIA:** Continued wet weather. Coastal storms Tuesday and Sunday brought moderate to heavy rains statewide. Some snow and sleet, mostly west and north. Up to 5 inches snowfall some higher elevations. Freezing rain central Sunday night. Weekly total precipitation 1.50 inches to 2.00 inches western quarter, 2.00 to 3.00 inches central half, 3.00 inches 4.00 inches eastern quarter. Temperatures 2° to 5°

below normal south, 5° to 8° below normal north. Extremes: 60°, 14°. Corn harvest being completed as weather permits. Routine winter farm chores main activity.

**PUERTO RICO:** Rainfall averaged 1.17 inches or 0.25 inch below normal. Heavy rains early Saturday in eastern sections gave highest weekly total of 7.65 inches, with 5.80 inches on Saturday. Moderate to heavy shower activity western Cordilleras totaled 4.45 inches for week. Little or no rain north and south-central coasts. Crop moisture conditions near normal all divisions except parts of north and south-central coasts where too dry for optimum development. Temperatures averaged 79° on coast and 74° interior divisions, with mean departure of 1.3° below normal as cooling trend continued. Highest maximum temperature 93°, lowest minimum temperature 56°. No crop report available due local holiday.

**SOUTH CAROLINA:** Midweek rainfall amounted to more than 1.00 inch in north and eastern coastal area and 0.50 to 1.00 inch elsewhere. Average temperatures ranged from normal in north to 5° above in south. Received weeded rain -- harvest slowed. Cotton 4/5 harvested compared with 3/4 last year. Corn 94% harvested compared with 88% last year. Soybeans 97% mature, 2/5 harvested compared with 1/4 harvested a year ago. Pastures fair condition. Winter grazing 91% planted, 83% emerged. Wheat and oats fair to good. Wheat 52% planted compared with 40% last year, 39% emerged. Oats 60% planted compared with 55% last year, 48% emerged. Sorghum grains 3/5 harvested compared with 3/4 last year. Fall vegetable harvest near completion. Peach tree pruning underway in Piedmont. Preparing tobacco seed beds.

**SOUTH DAKOTA:** Cool cloudy weather prevailed past week. Weekly temperatures averaged up to 11° below normal. Extremes ranged from 1° at Porcupine on 14th to 42° at Pickstown on 19th. Six of past 7 days were cloudy over much of State. Precipitation fell mostly as light snow with totals less than 0.20 inch. Light freezing rain or drizzle caused some icy conditions end of week in southeast. Snow cover end of week ranged from a trace to about 4 inches with some of greatest amounts in central part of State. Corn harvest is at least a week behind normal and soybean and sorghum harvest even further behind schedule because of damp, foggy weather. Corn harvest is 72% complete, 23% behind average and 28% behind last year. Soybean harvest at 93% complete is 2 weeks behind normal completion date. Sorghum harvest is 67% complete; normally the harvest is complete by November 13. Snow caused lodging of some varieties of sorghum. Calf marketings are tapering off.

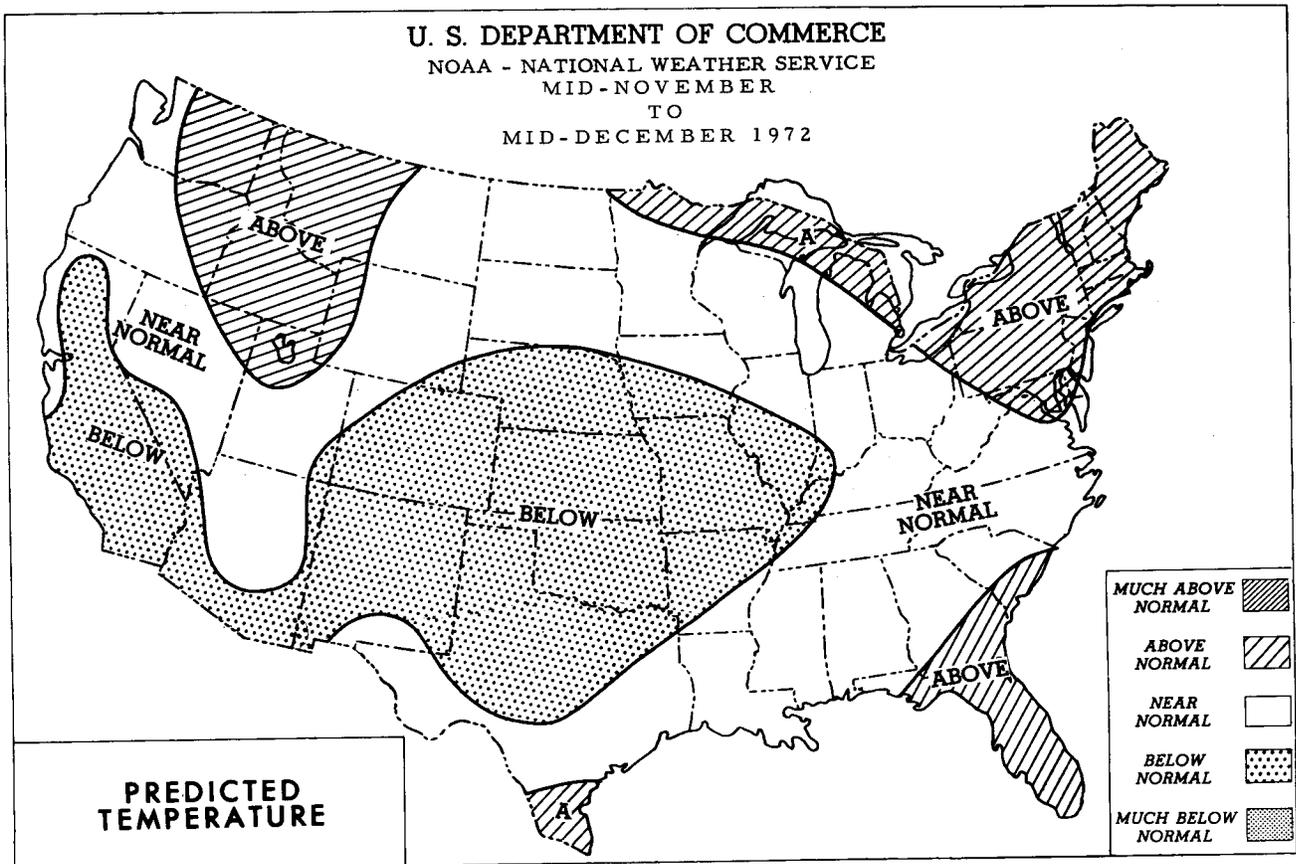
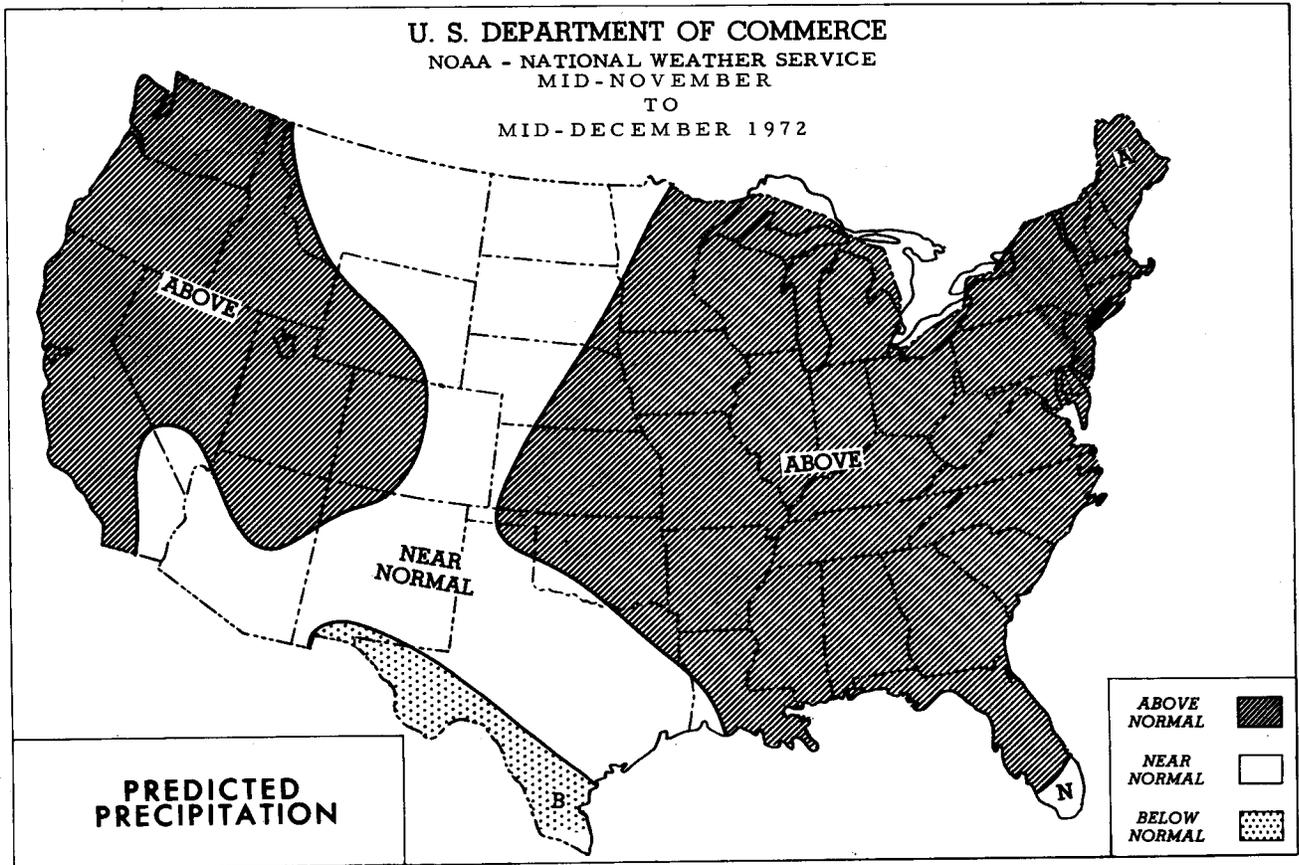
**TENNESSEE:** Cloudy with significant cooling during week. First freeze all of State, with southwest on 16th. Temperature extremes: 26°, 71°. Three to 4 days light rain, generally on weekend, with traces of snow in mountains. Only 2.1 days suitable for fieldwork. Fields continue wet and harvest remained slow. Soybean harvest at 35% complete is 3 weeks behind normal and the latest on record beginning in 1964. Cotton harvest at 65% complete and corn harvest at 70% complete are 1 to 2 weeks behind normal. About 85% of burley crop has been stripped, as tobacco auctions opened today. Pastures continue in good condition, supplying plenty of grazing for livestock.

**TEXAS:** Considerable cloudiness and cool temperatures prevailed throughout week, while either rain, drizzle, freezing rain or snow was found in most areas Friday and Saturday. Precipitation amounts were light except southeast where showers totaling 1.00 inch or more were common. The South Plains experienced hard freeze Tuesday morning and minima considerably below freezing this area most of week. Seeding wheat, oats near completion. Moisture available, but remaining fields too wet to seed. Stands making good to excellent growth and grazing available from south-central to High Plains. Harvest of cotton, sorghum on High Plains delayed by cold, wet weather. Soybean harvest on gulf coast stopped by rain. Peanut harvest nearing completion. Major crops percent harvested: cotton, 38, last year 30; corn, 99, last year 99; sorghum 86, last year 91; soybeans 70, last year 78; peanuts 82, last year 88; rice (2nd cut.) 93, last year 88; sugarbeets 54, last year 44. Major crops percent planted: wheat 95, last year 97; oats 95, last year 96. In East Texas, digging of sweet potato crop almost complete. San Antonio area carrot harvest underway. Cabbage and pepper harvest continues. Winter Garden pepper and tomato harvest continues. Early fields of carrots harvested. Light cabbage harvest underway. Majority of spinach crop picked. Onion seeding continues. At Laredo harvest of tomatoes underway. Cabbage, and lettuce are showing good growth. Coastal Bend cabbage and spinach show good growth. Some late fields of onions remain to be planted. In Lower Rio Grande Valley moderate supplies of bell peppers and cucumbers available. Light supplies of tomatoes being marketed. Pecan harvest interrupted again this week by rain. Citrus harvest gaining momentum.

**UTAH:** Recurring periods of precipitation again over most of State. Accumulated amounts locally very heavy at a few localities in extreme south and south-central Utah. New harmony 3.98 inches. Temperatures averaged 1° to 4° above normal in north and 1° to 7° below normal in southwest and south-central sections. Soil temperatures at 4-inch depth range from upper 30's in Cache Valley to near 40's in Salt Lake City, and near 50's St. George. About 900 acres or 4% of Utah's 22,000 acres of sugar beets still unharvested. Mostly Salt Lake and Utah Counties. Beet processing at Garland plant in full swing. Some corn for grain still unharvested, mostly in Utah County. Up to 1/3 of San Juan county's 18,000 acres of dry beans still in windrows, unthreshed, and will likely be lost. The bean area had about 6 inches of snow on the ground November 20. Grading, sorting, and marketing of dry onions, potatoes, and apples from storage in full progress. Breeding of range ewes nearly completed. Turkey processing down from early November peak, but will increase again after Thanksgiving, for final push to finish about mid-December.

**VIRGINIA:** Temperatures below normal after warm beginning. Rain near beginning and over weekend and rain and snow south Thursday and Friday. Corn, soybean and peanut harvest continued as weather and field conditions permitted. Corn 3/4 harvested. Soybeans 40% and peanuts 90% harvested. Wet soils delayed seeding of wheat for grain and rye for winter cover. Wheat 3/4 planted, usual progress is 85%. Graded burley

(Continued on back page)





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(Virginia continued from page 10)  
tobacco in southwest markets in 8-State area open November 20. Spinach and sweet potatoes harvested on eastern shore. Cabbage being finished in Carroll County.

**WASHINGTON:** Western Washington: Temperatures near normal. Little or no precipitation. Harvest fall vegetables nearly complete. Potato harvest continues. Ideal conditions for cutting ornamentals, holly, and Christmas trees. Pruning of caneberries continues. Eastern Washington: Temperatures about 6° above normal with light amounts of precipitation. Sugar beet digging near completion. Fruit growers pruning and applying fertilizer. Potato harvest nearly complete. Winter wheat stands look good, some greenbug spraying necessary.

**WEST VIRGINIA:** Two heavy rains during week, November 14 and 19, gave weekly totals from 1.00 to 2.00 inches. Cloudy week, mild until midweek but much colder with below-normal temperatures after. Wet fields hampered farming operations. Considerable corn remains for harvest. Some farmers still trying to seed small grains. Pastures continue good condition.

**WISCONSIN:** Cool and dry. Temperatures averaged 2° to 5° below normal. Extremes: 40° in southeast Monday and 10° in north Wednesday. Heavy snow across southern tier of counties Monday. Four to 6 inches fell at several stations. No other precipitation in State. Frost starting to enter soils and ice cover forming on most smaller lakes. No snow cover except a light cover in counties along Illinois line. Harvest of corn and soybeans active. About 65% of corn picked. Soybeans about 60% combined. Also a little fall plowing done, about 60% of intended acreage plowed. Soil moisture conditions 50% adequate and 50% surplus.

**WYOMING:** Light snow most of State. Chugwater received most moisture with 0.39 inch. Temperatures averaged near normal west of Divide and northern 1/3, 3° to 9° below normal elsewhere. Maxima mostly 40's; minima mostly 0° to 20°. Temperature extremes: 53° at Sheridan Field Station and -8° at Foxpark. Agricultural activities included moving and shipping livestock with most farmers and ranchers getting ready for winter.