

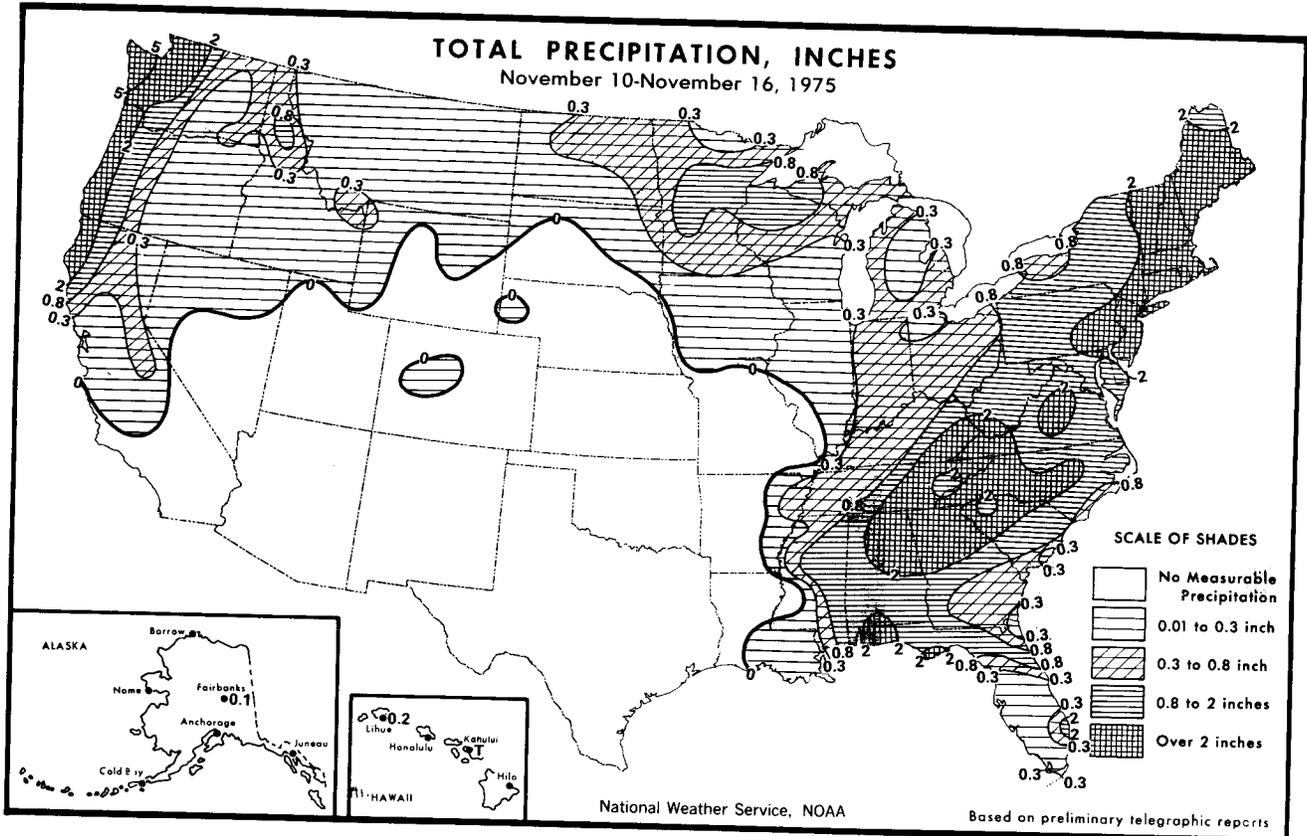
Weekly Weather & Crop Bulletin

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NATIONAL WEATHER SUMMARY

For the Week of November 10-16

HIGHLIGHTS: Near normal temperatures across much of the Nation resulted from unseasonably warm weather that turned cold as the week progressed. The mercury in parts of the Southeast even sank as much as 20° when a strong circulation pulled cold air from the North. Heaviest precipitation occurred across the Southeast and along the northern edge of the Pacific Coast. At midweek, wintry weather settled over the western Great Lakes area, where up to 9 inches of snow accumulated in spots.

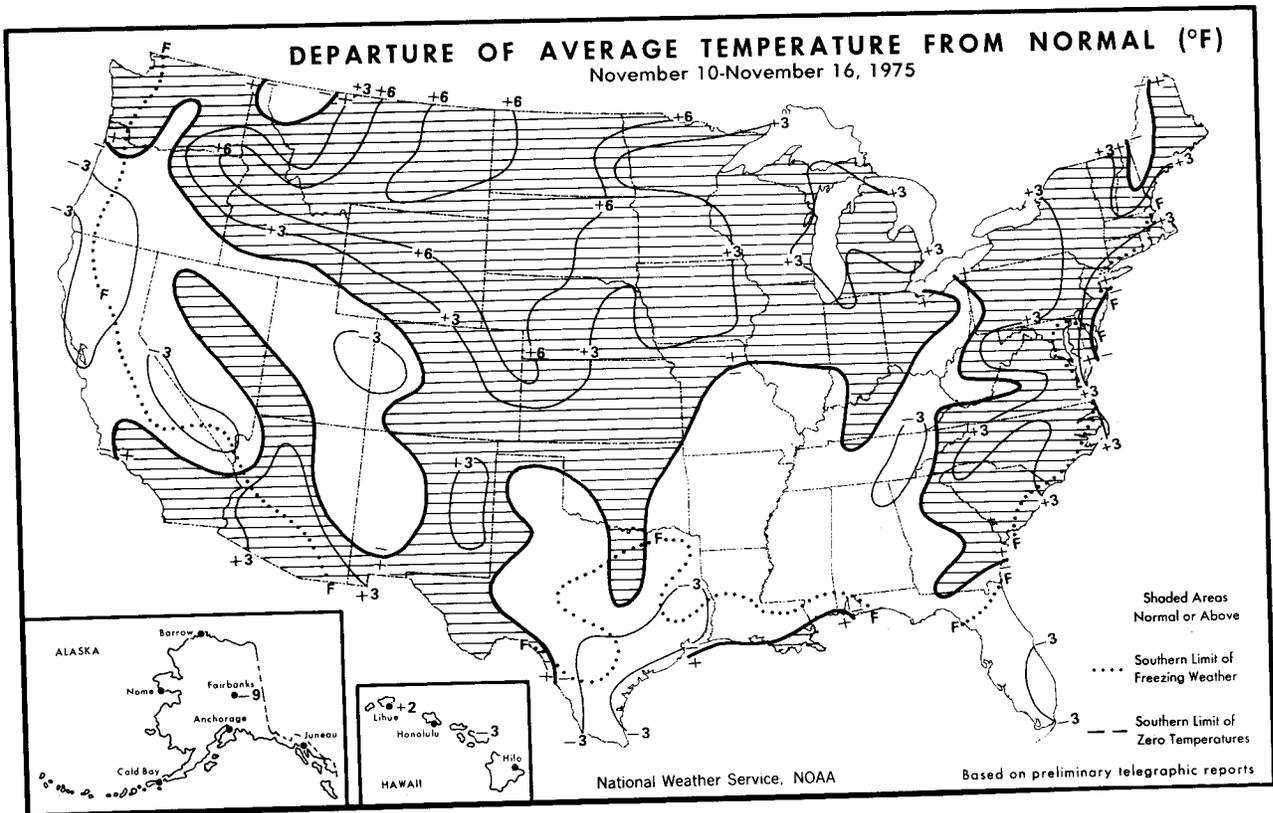
Monday marked an entire week of summer-like weather across much of the eastern third of the Nation. The mercury shot to record highs in Buffalo, N.Y. 69°; Norfolk, Va. 80°; and Macon, Ga. 81°. Meantime winter staked a bigger claim in the West where surge of cold moist air dumped heavy snow on the Sierra Nevada Mountains of California and the Cascades of Oregon and Washington.

Snow also spread into Idaho, Montana, and Utah.

In the Nation's midsection high winds gave the upper Great Lakes area a beating. Gusts in Marquette, Mich. topped 60 mph. Sunny, cooler conditions settled over the Plains and Mississippi Valley. Temperatures in the 30's in the northern Plains and 50's in the middle Mississippi Valley ranged 20° cooler than weekend readings.

Evening precipitation included showers and thunderstorms along the Atlantic and eastern Gulf Coasts. Rain and snow were scattered from the Pacific Northwest into the northern and central Rockies.

A chilly sunrise greeted the Northeast on Tuesday. Scattered frost cloaked areas from the Ohio Valley into West Virginia. Fair skies opened up throughout most of the southern half of the Mississippi Valley and southern tier of States from Texas through California.



At midday a low pressure center in South Dakota stirred up strong winds over eastern portions of Colorado and Wyoming and western areas of Kansas, Nebraska, and South Dakota, where wind gusts to 50 mph were common. Afternoon precipitation on Tuesday was confined to the upper Mississippi Valley and Pacific Northwest Coast with a few thunder-showers just off the central Gulf Coast.

Though temperatures turned cooler across most of the U.S., much of the Atlantic Coast States and Ohio Valley region enjoyed a mild but sunny afternoon. Columbus, Ga. put a new record high of 80° on the books.

Rain, snow, strong winds, and cold temperatures announced winter's arrival on Wednesday across a large part of north central U.S. Heavy snow and rain mixed with snow fell in the western Great Lakes region and it wasn't long before nearly 5 inches blanketed Duluth, Minn. Morning showers and thundershowers were widespread from the Ohio Valley to the Louisiana Delta and from the Carolinas through Florida.

A low pressure center fixed over the northern Great Lakes whipped rain and snow across a large part of north central U.S. during the day. North Dakota and Minnesota accumulated up to 9 inches since Tuesday.

Circulating around the storm, strong winds pulled cold air deep into the South. In the southern Plains midday readings halted in the 40's and 50's. Meantime north central U.S. shivered in the 20's along the Canadian border.

Ahead of the cold air afternoon showers broke out from New York and the middle Atlantic States to the eastern Gulf Coast. Thundershowers also turned up over portions of Alabama, Georgia, and Florida. Fair skies sheltered the central Mississippi Valley, southern halves of the Plains and Rockies,

and much of the Pacific Northwest.

Gusty winds still whistled across the central Plains and middle Mississippi Valley on Thursday. Early morning temperatures plunged below freezing in the Ohio Valley and into the low 20's and teens in portions of the Plains, where North Platte, Nebr. measured only 11° at 2 a.m.

In eastern U.S., weather did an about-face from the unseasonably mild conditions that dominated the area for the past 2 weeks. Afternoon temperatures in many southeastern spots dropped as much as 20° and reached into the 40's in northern portions of Georgia, Alabama, and Mississippi.

Near the end of the week a warming trend began over western U.S. as cooler air shifted eastward.

On Friday morning the Midwest ranked as the Nation's cold spot east of the Rockies. Temperatures in the teens stretched across the upper Great Lakes region and held in the 20's in the middle Mississippi Valley. Elsewhere freezing temperatures chilled areas from Texas to the South Carolina coast. In Florida, Miami Beach chalked up a record low of 45°.

Over the weekend the warming trend pushed the mercury in the Plains and Rockies into the 60's and 70's. Saturday was the third day in a row that Sheridan, Wyo. 72°, claimed the only reported record high for the Nation.

Meanwhile a cold front pushing into the Northwest moistened the northern half of the Pacific Coast, Idaho, and western Montana. Otherwise high pressure centers kept the Nation dry over the weekend, except northern Maine where a few snow showers lingered.

Nogales, Ariz. drew some attention on Sunday. The morning mercury in that city sank to a low of 26° but leapfrogged 61° to a near record of 87° in the afternoon.

NATIONAL AGRICULTURAL SUMMARY

For the Week of November 10-16

HIGHLIGHTS: Freezing temperatures swept across much of the Nation, ending the growing season in many Southern States. Row crop harvesting continued to make good progress. Nationwide, corn for grain advanced to 95% complete and soybeans reached 86% finished by November 16. Harvests of both crops continue ahead of the 1974 and normal levels. Winter wheat seeding was 93% complete by November 16, slightly behind average. Wheat stands show some improvement.

SMALL GRAINS: Winter wheat conditions continue to show improvement over most of the major growing area, however, at a much slower rate than normal. By November 16, seeding of winter wheat was 93% finished, equaling the 1974 progress and continuing slightly behind the average 94%.

Kansas wheat seeding reached 97%; normally seeding is complete by November 1. Moisture remains very short across the State. Winter wheat seeding in Oklahoma advanced to 95% finished after moisture improved conditions. Currently, the crop is in mostly good condition. Wheat seeding neared completion in Texas with 97% done, compared with 94% in 1974. Wheat stands from the Low Plains southward were making good growth. Irrigated wheat continues to make satisfactory progress on the High Plains, while the dryland crop suffers from short moisture.

Wheat stands were in mostly good to excellent condition in most areas east of the Mississippi River, but lack of moisture continues to retard germination and emergence in Colorado.

CORN: Corn harvesting continued to make excellent progress and approached completion in several major States. By November 16, harvest of the Nation's corn crop was 95% complete, versus 79% in 1974 and the usual 77%.

In the North Central States, harvest advanced to 96% complete by the 16th, much ahead of 77% in 1974 and average 75%. All States in this region were at least 90% done and harvest was virtually complete in Kansas, Minnesota, Nebraska, and South Dakota. In Illinois, corn was 97% harvested against only 70% in 1974 and average. Corn harvest in Iowa was 98% complete, versus 77% in 1974 and normal 74%.

Corn harvest in the South Atlantic States was 90% finished, slightly behind the 1974 level, but ahead of normal. In the South Central region, harvest was 87% complete against 85% in 1974 and the usual 86%.

COTTON: Frost over much of the major cotton producing area should favor picking of the slow maturing crop. By November 16, cotton picking was 46% done in the major Southern States, equaling the 1974 pace and behind the normal 51%.

Cotton harvesting made good progress in most States, was most advanced in Missouri with 89% picked, and least advanced in Oklahoma where less than 5% was harvested. The freeze will defoliate cotton and permit picking to get underway in Oklahoma. Cotton harvest in Texas reached 36% complete, ahead of 30% in 1974 and average 35%. Harvest gained momentum after the hard freeze in the High and Low Plains. Cotton was 50% picked in Mississippi, behind 69% in 1974 and average 78%.

Excellent weather favored cotton harvesting

in New Mexico, where 25% was picked. Harvest advanced to 50% complete in Yuma County, Arizona. In the California San Joaquin Valley, first picking on cotton was 70% complete.

SOYBEANS: Freezing temperatures over much of the southern growing area during the past week should help dry out late maturing soybeans and improve harvest conditions. By November 16, 86% of the Nation's soybean crop was harvested, ahead of the 82% in 1974 and the average 79%.

In the North Central States, combining reached 98% complete, versus 92% a year ago and the usual 89%. Harvest was complete in all States in this region, except Missouri, 92% done; Kansas and Michigan, 95%; and Indiana 97%.

Southern soybean harvesting advanced 12 points to 64% complete versus 65% a year earlier and the average 61%. Harvest ranged from only 33% complete in North Carolina to 85% done in Louisiana. Soybean combining advanced to 76% complete in Arkansas.

OTHER CROPS: Sorghum harvesting was either complete or in the windup stage in all the seven major producing States except Oklahoma. Harvest was 98% finished in Texas, 95% in Kansas, and 87% in Oklahoma.

Flue-cured tobacco sales were about finished in North Carolina and Virginia. Farmers were busy stripping Burley with 20% done in Ohio, 33% in Kentucky, and 65% in Tennessee.

The sugarcane harvest was 46% complete in Louisiana, ahead of both the 1974 and average levels. Sucrose and purity of the crop was good, but yields were low. In Florida, sugarcane was in good condition and harvest was underway.

FRUITS AND NUTS: Condition of citrus trees remains excellent in Florida, where rain and lower temperatures improved fruit condition. Harvest for processing is increasing. Citrus harvest continues light in Texas, while late maturity slowed the Navel harvest in California. In California, the wine grape harvest is about finished, while the almond and walnut harvests are complete in many areas. Pecan harvest continues active in several Southern States.

VEGETABLES: Broccoli and cauliflower harvests were heavy in California; carrot harvest continues along the central coast and lettuce was winding up on the west side and increasing in Palo Verde. Vegetable conditions were lowered by cold winds and scattered frost in Florida, where damage was light to moderate. Harvest was increasing and planting continued active. In Texas, harvests of cabbage, cantaloup, carrots, lettuce, peppers, and tomatoes continue

PASTURES AND LIVESTOCK: Pastures in most Eastern States are in the best condition of recent years. Winter wheat pastures continue below normal in the Southern Plains. Oat stands were making good growth from the Texas Low Plains southward and grazing was satisfactory. Livestock in most States is going into the winter in good shape. Supplemental feeding is becoming active in areas that have short pasture and range feed.

Temperature and Precipitation Data for the Week Ending Midnight, L.s.t., Nov. 16, 1975

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 . . .	51	- 2	2.4	+1.6	La. Baton Rouge . . .	57	- 2	T	-.9	Youngstown . . .	41	0	.7	0
Mobile . . .	59	0	1.0	+ .3	Lake Charles . . .	59	- 2	0	-.9	OKLA. Okla. City . .	51	+ 1	0	-.4
Montgomery . . .	55	- 1	.8	0	New Orleans . . .	60	0	.1	-.8	Tulsa . . .	51	+ 1	0	-.4
ALASKA. Anchorage . .	---	---	---	---	Shreveport . . .	55	- 2	0	-.8	OREG. Astoria . . .	46	- 1	3.7	+1.4
Barrow . . .	---	---	---	---	MAINE. Caribou . . .	35	+ 2	1.3	+ .5	Burns . . .	35	- 1	.1	-.3
Fairbanks . . .	-13	- 9	.1	0	Portland . . .	43	+ 3	2.5	+1.3	Medford . . .	41	- 3	.9	+ .2
Juneau . . .	---	---	---	---	MD. Baltimore . . .	50	+ 3	1.6	+ .9	Pendleton . . .	46	+ 4	2.2	-.2
Kodiak . . .	---	---	---	---	MASS. Boston . . .	51	+ 5	3.0	+1.9	Portland . . .	47	+ 1	1.3	0
Nome . . .	---	---	---	---	Chatham . . .	49	---	3.8	---	Salem . . .	45	0	2.0	+ .6
ARIZ. Flagstaff . . .	41	+ 4	0	-.3	MICH. Alpena . . .	39	+ 3	.2	-.4	PA. Allentown . . .	46	+ 3	2.2	+1.4
Phoenix . . .	64	+ 4	0	-.1	Detroit . . .	44	+ 3	.6	0	Erie . . .	43	+ 2	.9	0
Tucson . . .	64	+ 5	0	-.1	Flint . . .	44	+ 5	.5	-.1	Harrisburg . . .	47	+ 2	2.1	+1.3
Winslow . . .	41	- 3	0	-.1	Grand Rapids . . .	42	+ 2	.2	-.5	Philadelphia . . .	50	+ 3	2.7	+1.9
Yuma . . .	65	+ 1	0	0	Houghton Lake . . .	40	+ 5	.1	-.5	Pittsburgh . . .	42	0	1.0	+ .4
ARK. Fort Smith . . .	49	- 2	0	-.7	Lansing . . .	41	+ 2	.2	-.4	Scranton . . .	45	+ 3	1.7	+1.0
Little Rock . . .	49	- 2	0	-.9	Marquette . . .	38	+ 3	.6	-.1	R.I. Providence . . .	47	+ 2	3.5	+2.4
CALIF. Bakersfield . .	58	+ 1	.1	0	Muskegon . . .	45	+ 5	.3	-.4	S.C. Charleston . . .	59	+ 2	.2	-.3
Eureka . . .	50	- 2	2.5	+1.1	S. Ste. Marie . . .	36	+ 2	.8	0	Columbia . . .	57	+ 2	1.6	+1.1
Fresno . . .	52	- 2	T	-.3	MINN. Duluth . . .	31	+ 1	.9	+ .5	Greenville . . .	55	+ 3	1.7	+1.0
Los Angeles . . .	65	+ 2	0	-.5	Internatl Falls . .	32	+ 6	.1	-.3	S.D. Aberdeen . . .	38	+ 7	T	-.1
Red Bluff . . .	51	- 3	.4	-.3	Minneapolis . . .	38	+ 4	.6	+ .3	Huron . . .	37	+ 4	T	-.1
San Diego . . .	63	+ 2	0	-.3	Rochester . . .	38	+ 4	.3	+ .1	Rapid City . . .	42	+ 6	T	-.1
San Francisco . . .	53	- 3	T	-.5	St. Cloud . . .	34	+ 3	.7	+ .4	Sioux Falls . . .	37	+ 3	1	-.1
Stockton . . .	52	- 1	.1	-.3	MISS. Jackson . . .	54	- 2	T	-.9	TENN. Chattanooga . .	47	- 3	2.5	+1.6
COLO. Denver . . .	41	+ 1	0	-.2	Meridian . . .	53	- 2	1.0	+ .2	Knoxville . . .	47	- 3	1.6	+ .8
Grand Junction . . .	35	- 6	0	-.1	MO. Columbia . . .	44	- 1	T	-.4	Memphis . . .	51	- 1	.5	-.4
Pueblo . . .	42	+ 1	0	-.1	Kansas City . . .	45	+ 1	T	-.4	Nashville . . .	49	0	.4	-.4
CONN. Bridgeport . . .	49	+ 2	2.4	+1.5	St. Louis . . .	45	- 1	T	-.6	TEX. Abilene . . .	54	- 1	0	-.3
Hartford . . .	46	+ 3	2.3	+1.3	Springfield . . .	45	- 1	0	-.6	Amarillo . . .	46	- 1	0	-.1
D.C. Washington . . .	54	+ 5	1.6	+ .9	MONT. Billings . . .	41	+ 5	.1	-.1	Austin . . .	58	- 2	0	-.5
FLA. Apalachicola . .	59	- 3	2.5	+1.9	Glasgow . . .	34	+ 4	.1	0	Beaumont . . .	58	- 3	0	-1.0
Daytona Beach . . .	64	- 2	.9	+ .4	Great Falls . . .	40	+ 5	.1	-.1	Brownsville . . .	65	- 4	0	-.3
Ft. Myers . . .	68	- 2	.2	-.1	Havre . . .	38	+ 7	.2	+ .1	Corpus Christi . . .	64	- 1	0	-.4
Jacksonville . . .	61	- 1	.2	-.2	Helena . . .	36	+ 4	T	-.1	Del Rio . . .	61	+ 1	0	-.1
Key West . . .	74	- 1	.5	-.2	Kalispell . . .	30	- 1	T	-.2	El Paso . . .	52	0	0	-.1
Lakeland . . .	65	- 2	T	-.4	Miles City . . .	38	+ 5	.1	0	Fort Worth . . .	57	+ 1	0	-.5
Miami . . .	68	- 5	.3	-.4	Missoula . . .	33	0	.1	-.1	Galveston . . .	64	0	0	-.7
Orlando . . .	65	- 2	T	-.4	NEBR. Grand Island .	42	+ 3	0	-.1	Houston . . .	58	- 4	0	-.9
Tallahassee . . .	59	0	1.0	+ .4	Lincoln . . .	43	+ 3	T	-.2	Lubbock . . .	50	+ 1	0	-.1
Tampa . . .	66	- 1	.2	-.2	Norfolk . . .	40	+ 3	T	-.1	Midland . . .	53	- 1	0	-.1
W. Palm Beach . . .	67	- 4	1.3	+ .7	N. Platte . . .	37	0	0	-.1	San Angelo . . .	55	- 1	0	-.2
GA. Atlanta . . .	52	0	2.1	+1.3	Omaha . . .	43	+ 4	T	-.2	San Antonio . . .	57	- 3	0	-.4
Augusta . . .	56	+ 2	1.2	+ .7	Valentine . . .	41	+ 7	T	-.1	San Antonio . . .	60	- 3	0	-.6
Macon . . .	56	0	1.4	+ .9	NEV. Ely . . .	35	0	T	-.1	Victoria . . .	59	+ 1	0	-.6
Savannah . . .	58	0	.4	0	Las Vegas . . .	50	- 4	0	-.1	Waco . . .	53	- 1	0	-.3
HAWAII. Hilo . . .	---	---	---	---	Reno . . .	39	- 2	.1	0	Wichita Falls . . .	59	+ 1	0	-.3
Honolulu . . .	---	---	---	---	Winnemucca . . .	39	+ 1	.1	-.1	UTAH. Blanding . . .	38	- 1	T	-.2
Kahului . . .	73	- 3	T	-.6	N.H. Concord . . .	39	0	2.5	+1.5	Salt Lake City . . .	39	- 1	T	-.3
Lihue . . .	77	+ 2	.2	-1.1	N.J. Atlantic City . .	46	- 1	2.2	+1.2	VT. Burlington . . .	42	+ 4	2.0	+1.3
IDAHO. Boise . . .	43	+ 3	.1	-.2	Trenton . . .	49	+ 1	2.4	+1.6	VA. Lynchburg . . .	48	0	2.3	+1.7
Lewiston . . .	47	+ 6	.1	-.2	N.MEX. Albuquerque . .	44	- 1	0	-.1	Norfolk . . .	56	+ 3	.8	+ .1
Pocatello . . .	36	0	.2	-.1	Roswell . . .	50	+ 2	0	-.1	Richmond . . .	53	+ 3	1.8	+1.0
ILL. Cairo . . .	48	- 1	T	-.9	N.Y. Albany . . .	44	+ 3	1.7	+1.1	Roanoke . . .	50	+ 2	1.7	+1.1
Chicago . . .	43	+ 2	.2	-.3	Binghamton . . .	41	+ 1	1.2	+ .4	WASH. Colville . . .	36	+ 1	.3	-.2
Moline . . .	42	+ 2	.1	-.3	Buffalo . . .	43	+ 2	.8	-.1	Omak . . .	37	+ 2	.4	0
Peoria . . .	41	0	.1	-.4	New York . . .	50	+ 1	2.2	+1.3	Quillayute . . .	45	+ 1	6.9	+3.7
Rockford . . .	39	0	T	-.6	Rochester . . .	44	+ 2	.6	-.1	Seattle-Tacoma . . .	46	+ 1	2.0	+ .6
Springfield . . .	43	0	T	-.5	Syracuse . . .	44	+ 2	1.7	+ .9	Spokane . . .	36	0	.3	-.2
IND. Evansville . . .	45	- 1	.4	-.4	N.C. Asheville . . .	48	+ 1	2.3	+1.7	Walla Walla . . .	48	+ 5	.4	0
Ft. Wayne . . .	43	+ 2	.3	-.3	Charlotte . . .	53	+ 1	2.0	+1.4	Yakima . . .	38	- 1	.1	-.1
Indianapolis . . .	43	0	.4	-.4	Greensboro . . .	52	+ 3	1.3	+ .7	W.Va. Beckley . . .	42	- 1	1.7	+1.0
South Bend . . .	45	+ 4	.7	+ .1	Hatteras . . .	60	+ 3	1.0	-.1	Charleston . . .	47	+ 1	1.6	+1.0
IOWA. Burlington . . .	44	+ 3	T	-.4	Raleigh . . .	53	+ 2	3.8	+3.2	Huntington . . .	46	0	1.3	+ .6
Des Moines . . .	43	+ 4	T	-.4	Wilmington . . .	60	+ 4	.5	-.2	Parkersburg . . .	45	- 1	1.9	+1.3
Dubuque . . .	39	+ 2	.3	-.3	N.DAK. Bismarck . . .	37	+ 7	T	-.1	WIS. Green Bay . . .	37	+ 2	T	-.5
Sioux City . . .	39	+ 2	T	-.2	Fargo . . .	31	+ 1	.4	+ .2	La Crosse . . .	39	+ 2	.2	-.2
KANS. Concordia . . .	45	+ 3	0	-.2	Williston . . .	34	+ 5	.2	+ .1	Madison . . .	39	+ 3	T	-.5
Dodge City . . .	46	+ 2	0	-.1	OHIO. Akron-Canton . .	43	+ 1	.8	+ .2	Milwaukee . . .	41	+ 3	.2	-.3
Goodland . . .	46	+ 7	0	-.1	Cincinnati . . .	45	0	.5	-.2	WYO. Casper . . .	40	+ 6	T	-.1
Topeka . . .	46	+ 2	0	-.3	Cleveland . . .	42	- 1	.7	0	Cheyenne . . .	41	+ 5	T	-.1
Wichita . . .	46	0	0	-.3	Columbus . . .	43	0	.4	-.2	Lander . . .	37	+ 5	0	-.2
KY. Lexington . . .	45	0	.7	-.1	Dayton . . .	44	+ 1	.6	0	Sheridan . . .	41	+ 7	T	-.2
Louisville . . .	48	+ 2	.4	-.4	Toledo . . .	42	+ 1	.2	-.4	P.R. San Juan . . .	79	0	2.5	+1.2

Based on 1941-70 Normals

The Weekly Weather and Crop Bulletin is published by the National Weather Service, NOAA, and Statistical Reporting Service, USDA.
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STATE SUMMARIES OF WEATHER AND AGRICULTURE

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by SRS State offices in cooperation with the National Weather Service, NOAA.

ALABAMA: Temperatures started week above normal, a rapidly moving cold front swept through on 12th bringing the first freezing temperatures. Rain-fall occurred 11th and 12th.

Rainy and cold weather slowed field activities. Cotton and soybean harvest main activity as weather permitted. Small grains being planted as quickly as fields prepared. Corn harvest 82% complete, 88% 1974, average 82%. Soybean harvest 63% complete, 79% 1974, average 62%. Cotton slow in opening, especially top bolls, 45% harvested, 76% 1974, 72% average. Small grains 76% planted, 87% 1974. Pecans in poor condition. Pastures good, soil moisture adequate to surplus.

ARIZONA: No precipitation statewide. Cool early, warming on 13th.

Cotton harvest, defoliation continues. Yields, quality satisfactory, harvest Yuma County advanced 50% complete. Harvest central areas slow. Harvest late grain sorghum full swing. Sugarbeets excellent progress. Land preparation pre-plant irrigation for small grains, safflower. New growth alfalfa satisfactory. Grazing continues. Lettuce harvest virtually complete Cochise. Harvest full volume central, increasing Yuma. Mixed vegetable harvest seasonal volume. Honeydew melon harvest winding down. Red chili continued. Cochise. Lemon harvest full volume Yuma, Salt River Valley. Picking Navel oranges increasing Yuma, Salt River Valley. Limited grapefruit under way Salt River Valley. Ranges dry, feed supplies limited. Stock water inadequate. Cattle, calves good condition. Fall calving, lambing good progress.

ARKANSAS: Temperatures below normal, greatest departure 4° below normal. Extremes: 77 and 15°. Rain most areas early week, amounts less than 0.50 in.

Showers, wet soils slowed harvest early week. Fieldwork: 5 days suitable. Killing freeze on 13th. Soil moisture adequate in Delta, short northwest grazing areas. Frost opened mature bolls quickly. Immature bolls lost, damage minimal. Picking 79% complete, 57% 1974. Mostly second pickings remain. Rice harvest finished. Soybeans 76% combined, 52% 1974; 10 days of good weather needed to finish harvest. Rains produced good stands, excellent growth of fall seeded wheat and oats. Virtually all corn, grain sorghum harvested. Pastures short. Cool season pastures need rain. Grasslands provided adequate forage except northwest where low soil moisture slowed growth. Some cattlemen feeding hay. Marketings above normal.

CALIFORNIA: Fair except precipitation north half 9th and 10th and again 14th through 16th. Generally light except 2.00 to 3.00 in. some north coast and mountain areas. Warming southern San Joaquin Valley and south coast end of week, otherwise continued cool. Average temperatures about 2 to 5° below normal except near normal southeast deserts and 2 to 6 above south coast.

Planting small grain active, early fields doing well. Rice harvest near complete. Milo harvest active, corn harvest past peak. First pick cotton about 70% complete San Joaquin Valley. Wine grape harvest about finished. Table grape harvest complete. Limited vineyard pruning started with other field activities. Almond,

walnut harvests complete many areas; yield and quality normal or better most areas. Pruning started. Apple harvest slowing, olive harvest continues. Some Navel oranges being picked, maturity running late. Lemon picking full swing Desert, increasing lower valley; sizes small, quality good. South coast lemon picks extremely light; rain needed to size coming crop. Artichoke, carrot harvest continue central coast. Broccoli, cauliflower heavy. Lettuce winding up westside, increasing Palo Verde. Potato digging nearly complete Tulalake. Market tomato expected increase. Rangelands produce grass aided by rains. Stock water adequate. Supplemental feeding active, slightly on increase. Cattle lots increasing placements but operating at reduced capacities. Turkeys moving to processing plants.

COLORADO: Pacific front on 8th produced 7 to 12 in. heavy wet snow along foothills. Scattered precipitation statewide. Heaviest 1.50 in. foothills southwest Denver. Late week clear skies and mild temperatures.

Corn 91% harvested, 88% 1974, 68% average. Sugarbeets 99% harvested, average 96%. Grain sorghum 99% harvested, 55% 1974, 61% average. Light wind damage to winter wheat. Lack of moisture continues to retard germination and emergence. Ranges and pastures remain fair. Livestock good condition.

FLORIDA: Warm until 12th when cold front pushed temperatures to near freezing mornings of 14th and 15th. Temperatures averaged near normal; well above early week, below normal second half. Rainfall totals light to moderate.

Soil moisture mostly adequate, surplus west and east coast, short north. Harvest complete corn and peanuts, continues on soybeans, cotton, hay, and pecans. Planting of small grains continues. Early plantings good condition. Sugarcane good condition, harvest underway. Pastures are generally in fair to good condition except for some low spots. Moles and crickets continue to be a serious pest on Bahia grass pastures. Cattle and calves in mostly good condition north, south and central, but mostly fair Panhandle. Citrus tree condition excellent. Rain and lower temperatures improved fruit condition, good fruit color, harvest for processing increasing. Vegetable growing conditions lowered by cold winds and scattered frost. Damage light to moderate. Harvest increasing most crops, snap beans suffered light to moderate leaf-burn. Plantings active; volume up. Cabbage good condition, plantings active. Celery improving, harvest underway. Sweet corn mostly good condition, harvest increasing. Cucumber conditions lowered by cold wind and frost. Eggplant light to moderate damage from cold winds; bloom droppage, leaf-burn. Escarole-endive conditions good, harvest increasing. Lettuce conditions good, seeding active. Pepper condition good, light to moderate wind-burn. Potatoes suffered light wind-burn. Radishes good condition, seeding active, digging increasing. Squash frost-damage light to moderate. Strawberries transplanting active. Tomatoes good condition, light leaf-burn, plantings active.

GEORGIA: Temperatures averaged 10° above normal.

Very warm until midweek, then colder. Near freezing morning of 14th. Showers early in week, general rain on 12th and 13th. Rainfall 1.00 to 2.00 in. north and west, near 0.30 in. southeast. Clear and cold 15th and 16th with subfreezing temperatures.

Soil moisture adequate. Harvest active, 3 days suitable. Condition corn fair to mostly good; 84% harvested, 1974 87%. Cotton mostly fair to good, 62% harvested, 1974 82%. Soybeans 51% combined, 1974 69%, condition fair to mostly good. Peanut digging and threshing practically complete. Pecan harvest 46% complete, 1974 40%, condition mostly fair. Wheat 61% planted, rye 79%, other small grains 76% complete. Pasture condition fair to good. Cattle and hogs good.

HAWAII: Showers windward areas on all Islands. Lee section dry.

Sugarcane crop northern Oahu shows stress from dry weather. Irrigation reservoir dry. Vegetable supplies adequate. Tomato production increasing on Hawaii and Maui. Banana supplies heavy. Papaya supplies heavy, active picking Puna orchards on Hawaii. Pineapple harvesting light. Sugar, on Maui slowing down other islands. More moisture needed for pastures.

IDAHO: Cool and dry. Average temperatures 4 to 6° below normal. Highs mostly 40's, lows in 20's. Precipitation light and scattered.

Fieldwork slowed by cold weather. Sugarbeet harvest active. Field plowing continues. Livestock good condition on winter ranges.

ILLINOIS: Temperatures 1° below normal south, 0 to 2° above normal elsewhere. Hard freeze 13th. Precipitation 0 to 0.33 in.

Corn harvest 97% complete, 70% 1974 and average. Soybean harvest complete, 95% 1974, average 91%. Winter wheat seedings mostly good to excellent condition. Grain sorghum harvest 95% complete. Plowing 1976 corn and soybeans 58% complete, 35% 1974, average 37%. Pastures mostly fair to good, supplying 45% livestock roughage requirements. Soil moisture 11% short, 79% adequate, 10% surplus. Fieldwork: 5.5 days suitable.

INDIANA: Sunny week. Temperatures from 22 to 66°. First freeze of fall in extreme southwest. Rainfall averaged 0.20 in. north, 0.30 in. central, and 0.70 in. south. Near normal temperatures, but radical drop from previous week.

Fieldwork averaged 5 days. Topsoil and subsoil moisture adequate. Corn 90% harvested, 1974 50%, average 65%. Soybeans 97% harvested, 1974 90%, average 80%. Wheat seeding complete, stands mostly good to excellent. Land for spring planting 30% plowed, 1974 25%. Pastures mostly fair to good.

IOWA: Wide range in temperature, averages mostly 2 to 4° above normal. No precipitation of consequence. Crop year near close. Low soil moisture major concern. General rains weekend of the 8th, snow the 12th, but more precipitation needed. Excellent fall for harvest, fall fieldwork progressed well ahead of schedule. Corn harvest 98% complete, 77% 1974, 74% average. Some waiting for storage. Harvest approaching earliest completion in many years. Fall plowing 55% complete, 41% 1974. Fall seeded crops fair to good. Pastures fair, need rain. Topsoil moisture 50% short, 50% adequate. Subsoil moisture mostly short. Fieldwork averaged 4.7 days suitable.

KANSAS: Temperatures averaged 1 to 3° above normal east and 5 to 7° above normal west. Mois-

ture generally 0.25 in. or less occurred early week, little or none west and south, to 0.75 in. locally northeast.

Wheat 97% planted, 100% normal. Sorghum grain 95% harvested, 50% 1974, 80% average. Corn 100% harvested, 85% 1974, 75% average. Soybeans 95% harvested, 55% 1974, 85% average. Wheat pasture 5%, 10% 1974 and average. Barley 95% planted, 95% average. Moisture very short across State.

KENTUCKY: Temperatures averaged near normal. Rain fell 10th and 12th, and snowed on 13th. Precipitation totals ranged from 0.33 in. west to more than 2.50 in. east.

Soil moisture adequate to surplus. Fieldwork: 3.5 days favorable. Mostly harvesting corn and soybeans and stripping tobacco. Corn 84% harvested, as 1974. Soybean combining 80% finished, slightly ahead of 1974; about half selling at harvest time. Conditions favorable tobacco stripping, 33% crop stripped, much being delivered to warehouses in preparation Burley market opening on 24th. Winter grains and pastures in excellent condition. Livestock gaining on lush pasture growth, generally going into winter in good shape.

LOUISIANA: Temperatures normal. First frost most areas 14th and 15th. Showers southeast on 10th. Greatest 1-day rainfall 0.37 in. Opelousas. Temperature extremes 83 and 23°.

Fieldwork possible 6.3 days. Soil moisture adequate. Main activities cotton, soybean, sugarcane and sweetpotato harvest; and small grain seeding. Soybean harvest 85%, 82% 1974, 77% average. Late planted fields yield and quality lower. Cotton harvest 60% complete, 77% 1974, 72% average; quality good, yields light. Sugarcane harvest 46%, 44% 1974, 41% average. Sucrose and purity good, yields low. Grain sorghum and sweetpotato harvest virtually complete. Wheat 85% and oats 90% planted. Pecan harvest active. Pastures and cattle fair.

MARYLAND AND DELAWARE: Temperatures averaged 7 to 13° above normal. Highs, low 80's, lows, low 30's. Western Maryland cooler. Precipitation ranged 1.27 to 3.22 in. Western Maryland had 3 in. snow on 14th.

Corn for grain 95% harvested; 93% 1974; average 91%. Soybeans 65% harvested; 84% 1974; 74% average. Fall seeding of wheat, barley, oats, rye nearly complete. Tobacco farmers preparing planted sites. Pastures average, moisture supplies surplus.

MICHIGAN: Temperatures ranged from 2 to 6° above normal. Precipitation mostly 0.20 to 0.60 in. south, 0.60 to 1.00 in. north. Snow 7 in. at Marquette.

Harvest slowed by rain, snow and wet fields. Strong winds lodged considerable unharvested corn. Corn for grain nearly 90% harvested; 63% 1974, 66% average. Soybean harvest over 95% complete, 85% average. Rains helped late planted winter wheat. Fall plowing for spring crops 40% complete. Pasture feed near average. Nearly 5 days suitable for fieldwork.

MINNESOTA: Temperatures 3° below normal extreme east to 4° above west. Extremes: 66 and 6°. Precipitation 0.25 to 0.50 in. above normal central and normal to 0.25 in. below elsewhere. Major winter storm produced heavy snow north half afternoon of 11th through morning 12th; storms' low moved eastward across south. No snow remaining on ground at week-end.

Recent precipitation aided early growth winter wheat, rye. Additional precipitation needed to

build up moisture reserves before winter freeze-up.

MISSISSIPPI: Temperatures 5° above normal. Extremes: 88 and 20°. Greatest 24-hour rainfall was 2.79 in. at Gulfport on 9th.

Soil moisture mostly adequate to surplus except in northwest where supplies are mostly surplus. Fieldwork 3.2 days suitable. Cotton 50% harvested, 69% 1974, 78% average. Soybeans 65% harvested, 66% 1974, 69% average. Rice 96% harvested, 100% 1974. Corn 87% harvested, 89% 1974, 85% average. Pecans 50% harvested, 53% 1974. Winter wheat 89% planted, 86% 1974, 82% average. Oats 89% planted, 89% 1974, 87% average. Cotton in poor to fair condition. Soybeans in good condition. Pastures and livestock in fair to good condition.

MISSOURI: Temperatures 3° above normal. Precipitation averaged 0.25 in.

Soil moisture short north and west areas, adequate elsewhere. Fieldwork: 5 days suitable. Corn 95% harvested, 69% 1974, 71% average. Soybeans 92% harvested, 67% 1974, 72% average. Grain sorghum 96% harvested, 60% 1974, 71% average. Cotton 89% harvested, 69% 1974, 71% average. Winter wheat seedings 93% complete. Plowing for spring planted crops 56% complete.

MONTANA: Mild week with average temperatures 2 to 10° above normal. Cool early week with very warm days by 15th. Light snow over the State first of week. General snow south on 17th, foot or more some areas.

Winter wheat condition mostly good. Wind damage to winter wheat generally light. Snowcover protection poor. Soil moisture adequate. About 20% sheep and cattle receiving supplemental feed. Winter ranges fair to good. Grazing open.

NEBRASKA: Temperatures 10 to 25° above normal last half. Rain up to 1.00 in. northeast and east central.

Topsoil moisture supplies 79% short, 21% adequate. Subsoil moisture supplies 96% short. Corn harvest virtually complete, 1974 90%, normal 75%. Sorghum harvest 100% complete, 1974 95%, normal 85%. Wheat condition poor to mostly fair. Moisture helped sprout seeds and stimulate growth. Pasture and range feed supplies short 91%. Cattle on corn and milo stalk fields. Farmers fencing stalks or stacking crop residues.

NEVADA: Strong winds, light precipitation northern areas. Near record low temperatures. Temperatures averaged near normal although large variations occurred. Extremes: 78° Logandale, 6° Ely. Precipitation varied from a few hundredths inch north to 0.64 in. Mountain City.

Fall grains favored by near normal temperatures. Cotton harvest gaining momentum Pahrump Valley.

NEW ENGLAND: Storms on 10th and 12th dropped 2.00 to 5.00 in. rain most areas. Temperatures above normal until late 13th, near normal after. Snow accumulated 2 to 4 in. Berkshires and 6 in. north mountains on 14th and 15th.

NEW JERSEY: Temperatures 1 to 4° above normal, averaging 46° north, 51° south and 52° coastal. Extremes: 26° at Canoe Brook and East Millstone and 66° at Belvidere. Precipitation totaled 1.22 in. above normal; over 2.00 in. of rain fell on 12 to 13th central, averaging 2.36 in. north, 2.11 in. south and 1.86 in. coastal. Snow on 14th central and north, 2 in. fell at Oak Ridge Reservoir.

NEW MEXICO: A totally dry week. Temperatures averaged near normal to a few degrees cooler than normal.

Excellent harvest weather, killing freeze all areas. Soil moisture short. Harvest all crops approached completion. Cotton harvest 25% complete. Pecan harvest will begin soon, hulls opening. Wheat-barley stands good, condition fair to good. Slight grazing of wheat ranges fair, livestock good.

NEW YORK: Cooler and averaged near normal. Wet with some precipitation on 5 of 7 days. High temperatures, mid 60's on 10th fell gradually to mid 30's by 14th and recovered to mid 40's on 16th. Average low temperatures were only below freezing on 12th and 16th. Heavy showers of 2.00 in. over southeast on 12th. Snowfall on 14th ranged from 1 to 3 in. in urban areas to nearly 12 in. in higher elevations.

NORTH CAROLINA: Showers covered State 8th and 9th. Record high temperatures 10th and 11th. Cold front causing temperatures to dip as low as 15° by 14th.

Days suitable fieldwork 3.0. Soil moisture mostly adequate. Pastures fair to good. Corn 92% combined, 1974 92%, average 75%. Cotton 65% picked, 1974 74%, average 70%. Soybeans 33% harvested, 1974 59%, average 41%. Sorghum grain 79% harvested, 1974 82%. Lespedeza seed 55% harvested, 1974 94%. Small grains 74% planted, 1974 69%, average 73%.

NORTH DAKOTA: Temperatures above normal. Temperature range 4 to 72°. Precipitation ranged from 0.35 in. above normal southeast to 0.12 in. below normal west central. Precipitation midweek in form of snow, heaviest northeast. Weekend warm and mostly dry.

Farmers combining sunflowers, late fall tillage as snow melts and making final preparations for winter. Livestock good condition.

OHIO: Temperatures near normal. Mild early week, much colder end, warming weekend. High 70° southeast on 10th; low 23° southwest 15th. Snow flurries north 15th; 3.5 in. snow northeast. High winds near 50 mph on 10th. Precipitation somewhere every day. Greatest amount 1.45 in. southeast; least 0.11 in. northwest.

Corn 90% harvested, 80% 1974 and normal. Long lines remain at elevators. Sugarbeet lifting advanced rapidly to 95% done, 90% normal. Popcorn harvest nearly completed, 90% 1974 and 80% normal. Tobacco 20% stripped, 10% 1974. Wheat condition mostly good. Plowing for next spring far ahead of normal. Moisture supplies 3% short, 80% adequate, and 17% surplus. Fieldwork: 5 days favorable.

OKLAHOMA: Temperatures averaged from normal to 3° above normal. Precipitation averaged from none to about 0.20 in. Weekend mild and dry.

A dry week allowed peanut harvest to reach 97% completion, soybeans near 70% combined. Sorghums 87% harvested, 50% 1974, 67% average. Corn harvest in windup stage. Freeze past week will defoliate cotton and permit picking to get underway. Harvest lags behind 4% in 1974, 19% average. Bolls 84% open. Wheat seedings reached 95% after improved moisture conditions and should be complete by Thanksgiving except acreage following soybeans and cotton; year ago and average 99%. Crop mostly good condition, grazing prospects brighter. Supplemental feeding cattle increases as available feed from ranges decreases.

OREGON: Extremes 60's, 30's west; 60's, teens east. Temperatures averaged near normal to 5° below normal. Precipitation east 0.17 in. or less,

western valleys ranged 0.30 to 2.33 in., 0.70 to 2.90 in. along coast.

Fall seeding continuing west. Nearly finished east. Cutting corn silage, harvesting sugarbeets. Filbert, walnut harvests continuing. Harvesting broccoli, cauliflower, cabbage, carrots. Potato harvest near completion. Ranges and pastures are in good condition. Winter feed adequate. Cattle look good. Calves continue to be marketed.

PENNSYLVANIA: Warm early, more seasonable end. Average temperature 2° above normal. Precipitation from 3.00 in. southeast to 1.00 in. northwest. Snow in colder spots and higher elevations 13th, most gone by weekend.

Normal winter farm chores.

PUERTO RICO: Island average rainfall 0.69 in. Highest weekly total 3.90 in. at Hacienda Constanza. Highest 24-hour total 2.05 in. at Hacienda Constanza. Temperatures averaged about 77° on coasts and 71° interior. Extremes: 91 and 52°.

Favorable weather for development of young sugarcane. Coffee harvest slowed some areas due to excessive rains. Tobacco planting continues. Good recuperation of pastures, but causing problems. Planting and cultivation of food crops in progress. Vegetables, plantains, bananas and citrus being harvested.

SOUTH CAROLINA: Temperatures ranged from considerably above normal early to freezing late week;; from 20's up State to freezing on coast 15th. Rainfall above normal over west and central, sub-normal along south coast. Rainfall on 12th caused flash flooding some western areas. Wind storms and tornados developed late on 12th with local damage Edgefield, McBee, Columbia.

Soil moisture mostly adequate. Cotton harvest 81%, 84% 1974, 83% average. Soybean harvest 34%, 68% 1974, 41% average. Wheat seedings 53%, 43% 1974, 47% average. Oat seedings 68%, 62% 1974, 60% average.

SOUTH DAKOTA: Temperatures averaged 1 to 10° above normal. Extremes: 3° Conde 13th, 77° Kennebec 14th. Light rain and snow widely scattered.

Corn harvest is essentially complete. Cattle are generally on winter pasture or corn stubble. Some supplemental feeding being done.

TENNESSEE: Rain occurred into midweek and was heaviest east, averaging over 2.00 in. and less than 1.00 in. elsewhere. Record high temperatures early week was followed by freezing and snow.

Rains and wet fields delayed harvest. Soybeans 57% harvested, 1974 58%, average 60%. Cotton 57% picked, 1974 57%, average 68%. Corn 75% picked, 1974 78%, average 77%. Wheat excellent condition, furnishing good grazing; 76% sown, 1974 and average 82%. Tobacco 65% stripped, 1974 54%, average 68%. Pastures best condition in years.

TEXAS: Cold front brought freezing temperatures south to Beaumont and Houston but produced no precipitation. Despite cold weather, temperatures above normals. South and far west normal temperatures while north and northwest 2 to 6° above normal.

Planting of wheat and oats on schedule with 1974. Dry planted stands on High Plains suffer from short moisture. Grazing generally adequate from Low Plains southward. Harvest cotton, sorghum, peanuts and soybeans making satisfactory

progress. Recent freezing weather expected to aid harvest operations in most localities. Irrigated wheat making satisfactory progress on High Plains and furnishing limited grazing, but dryland crop suffers from short moisture. From Low Plains southward wheat making good growth. Oat stands making good growth from Low Plains southward and grazing satisfactory. Cotton harvest on High and Low Plains gaining momentum following hard freeze. Blacklands and east nearing completion of below average crop. Sorghum farmers completing harvest operation on High Plains, South and Lower Rio Grande Valley. Fall sorghum ready for harvest next week. Peanut harvest of fall crop making excellent progress south central. Blacklands and Cross-Timbers, farmers nearing completion of excellent crop. Major crops percent harvested: Cotton 36, 1974 30, average 35; corn 100, 1974 88, average 95; sorghum 98, 1974 74, average 91; peanuts 97, 1974 69, average 83; soybeans 93, 1974 56, average 79. Major crops percent planted: Wheat 97, 1974 94, average 97; oats 97, 1974 94, average 95.

High Plains: Cabbage, carrots being harvested. Trans-Pecos: Onion planting continues. Lettuce, cabbage, being harvested. Pepper picking nearing completion. San Antonio-Winter Garden: Carrot digging underway. Cabbage, bell pepper harvest continues. Spinach making good growth. Cantaloup harvest underway, but crop damaged light frost. Coastal Bend: Spinach, cabbage planting good progress. Cucumbers still being harvested, frost may bring harvest rapid completion. Laredo: Tomatoes continue make satisfactory progress. Lower Rio Grande Valley: Light supplies peppers, tomatoes available. Cabbage picking relatively light. Pecan harvest active throughout. Citrus harvest continues light due depressed market.

Small grain responded recent rains and furnishing some grazing from Low Plains southward. On High Plains, northeast, dryland stands, grazing sparse. Livestock condition generally good where grazing available only fair where grazing short. Feeding increasing in Blacklands, East and High Plains.

UTAH: Some precipitation early week with mostly light amounts. Moderate amounts occurred northern mountains and north central with light or no precipitation elsewhere. Temperatures ranged from 1 to 4° below normal except in Dixie area which was 1° above normal.

Harvest of sugarbeets virtually complete. Still some grain corn to be picked. Considerable fall plowing done during week. Grading, sorting and marketing of potatoes, dry onions and apples continue. Breeding range ewes will continue into December. Marketing of cattle and lambs still in progress. Turkey processing down from November peak.

VIRGINIA: Warm early, below normal last, average above normal. First snow fall, up to 1 in. west, southwest. Precipitation heavy, 1.00 to 1.75 in. early to midweek.

Fieldwork: 3.4 days suitable. Topsoil moisture: 68% adequate, 30% surplus, 2% short. Corn grain harvest 84% complete, 1974 85%, average 79%. Soybeans 54% combined, 1974 79%, average 55%. Wheat seeding 82%, 1974 82%, average 78%. Stands and growth improved due to warm moist conditions. Pasture condition excellent. Flue-cured tobacco sales about finished. Stripping and grading fire-cured, sun-cured, and Burley continue. Fall plowing making good progress.

Many farmers preparing livestock, machinery for winter months.

WASHINGTON: West: Temperatures from 5° sub-normal south to 2° above normal. Precipitation varied 3.00 in. above normal northwest coastal area, near normal elsewhere.

Carrot, potato, silage corn harvest progressing slowly due to wet conditions. Other activities: Canning raspberries, harvesting holly, Christmas trees, fir boughs. Pastures grazed out. Cattle on full to partial winter feed. East: Readings 1 to 2° subnormal, except Walla Walla with 4° above normal. Precipitation subnormal except 0.10 to 0.20 in. above at Odessa and Lind. Snow most areas.

Potato digging finished in many areas. Sugarbeet lifting moving along. Harvesting: Dry beans and field corn. Other activities: Rodent control in orchards, plowing and fertilizing for spring crops. Moisture excellent in wheat fields. Cold weather tapered greenbug spread but spraying continued. Some cattle still on stubble or pastures with little supplemental feeding. Alfalfa hay and cubes rapidly moving out.

WEST VIRGINIA: Temperatures averaged above normal, but turned colder at end of week. Precipitation above normal with first measurable snow. Soil moisture adequate. Fieldwork suitable

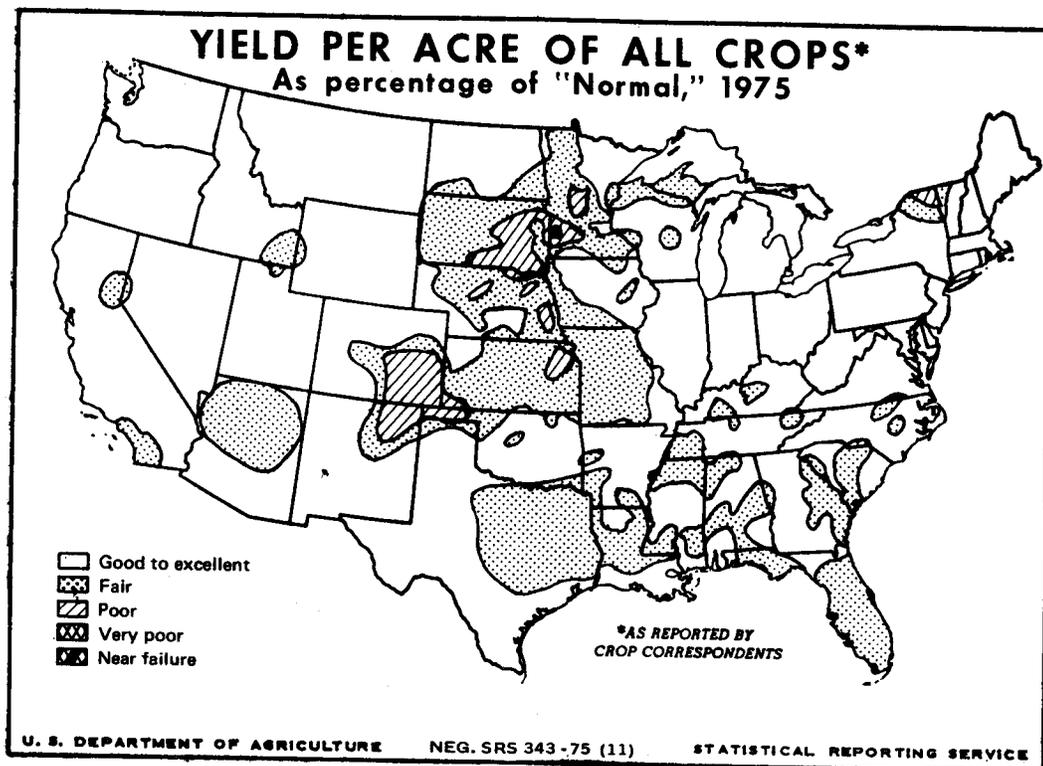
3.9 days. Completing corn harvest with excellent yields. Fall grains improved by warm weather and moisture. Livestock remain on pasture and in good condition.

WISCONSIN: Variety of weather conditions. Storm early dropped wet snow northwest and rain southeast. Snowfall ranged from less than 1 to near 4 in. Rainfall about 0.50 in. Strong westerly winds with gusts near 50 mph on 10th. Another storm late 11th across north brought 1 to 3 in snow most places, but Mellen had 12 in. Cold air penetrated south to cause light snow or flurries 12th, first of season in that area. Week ended with abundant sunshine and temperatures in 60's on 16th, melting snow that had accumulated.

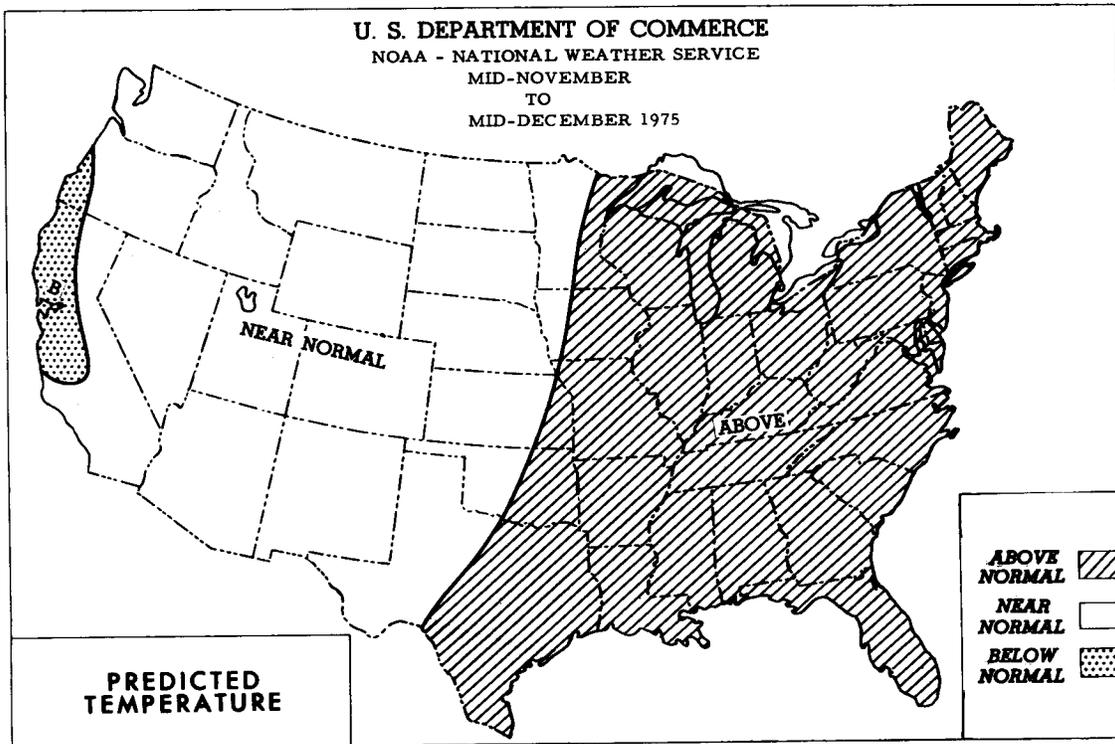
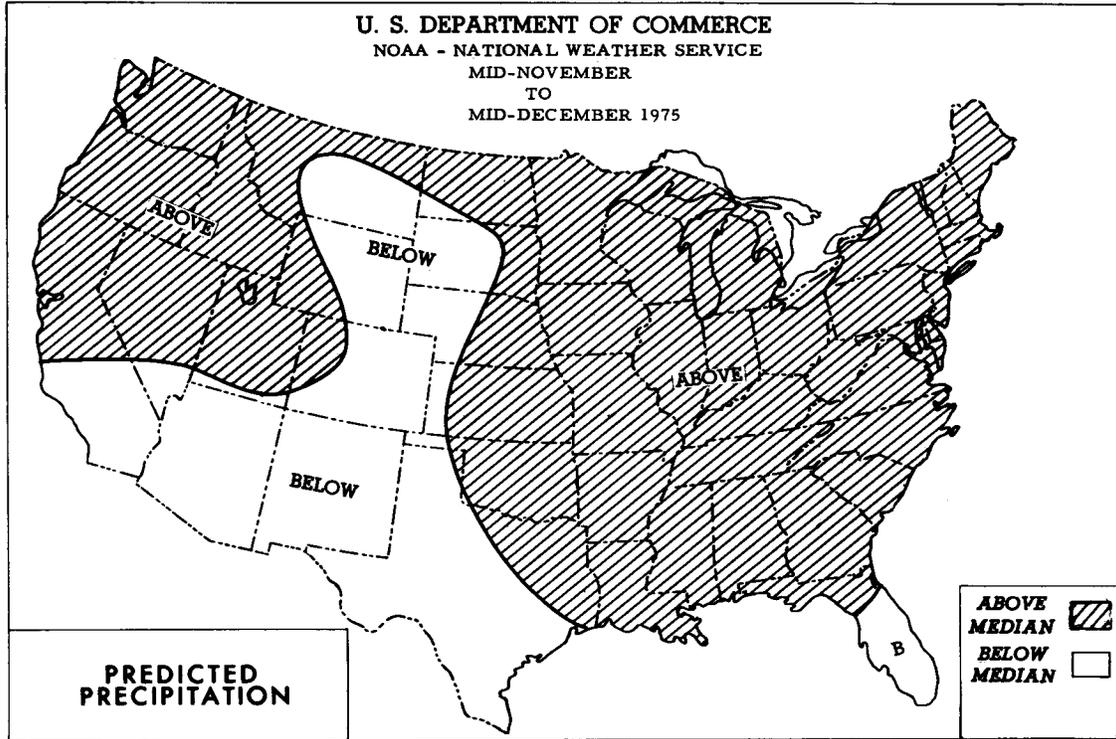
Crop season near end. Corn for grain 95% harvested, 1974 75%, normal 80%. Fall plowing 60% done, 1974 60%, normal 70%. Could use more moisture south half.

WYOMING: Temperatures several degrees below normal west to near normal elsewhere. Precipitation spotty, only west had above normal amounts.

Good harvest weather. Last fields sugarbeets dug. Grain corn picking continued. Winter wheat mostly fair to good condition. More moisture needed, especially east. Working livestock, fall plowing preparations for winter, major activities. Livestock in good condition.



Average Monthly Weather Outlook



World Agricultural Weather Watch

HIGHLIGHTS: West European and North American harvests and fall plantings benefited much from Indian summer weather. Meanwhile soil moisture shortages caused spotty germination and poor growth of crops in parts of the USSR, western Mediterranean region, and western U.S. winter wheat area. In contrast soil moisture is plentiful for Australian crops. October typhoons reduced rice prospects in the Kwangtung Province of the People's Republic of China (PRC) and prolonged rain in the lower North PRC Plain probably reduced winter wheat planting. Rains improved after an extended period of drought in much of Brazil's major agricultural region, reducing stress on citrus and causing farmers to step up planting. End of excellent summer monsoon favored harvests and fall planting in Pakistan, India, and Bangladesh.

WEATHER: Much of North America enjoyed Indian summer weather in October and the first 10 days of November. Long periods of unseasonably mild weather were interrupted only by a few brief cold periods. Rainfall tended to be above normal in the U.S. northwestern and south central States and throughout western Canada.

In Central America, the Caribbean, and equatorial South America temperatures were close to normal. Most rainfall was erratic, but generous amounts fell throughout Caribbean areas. Brazil had relatively dry weather in the northeast, although rains relieved dry conditions in much of Sao Paulo, Goias, Minas Gerais, and Mato Grosso. Rio Grande do Sul, however, welcomed considerably drier weather following a wet August and September. Uruguay and most of Argentina were also drier than usual with normal or above normal rainfall limited to the eastern Buenos Aires Province. Temperatures were near seasonal but ranged up to 4 or 5° below normal in Argentina's corn belt.

Below normal temperatures prevailed in most of East Europe and the USSR in particular. Precipitation was near normal in the East European countries except in East Germany where rains didn't offset the effects of summer drought. Soil moisture improved considerably in Poland, Bulgaria, and Albania. Rain and snow benefited the USSR but in many places didn't correct poor soil moisture conditions. The southeastern part of European USSR is in especially poor condition. Snowfall through the winter would protect crops but do little to improve moisture of frozen soils. An intense blizzard raged in Siberia November 9-10.

In West Europe temperatures were mostly seasonal. Well below normal precipitation in most areas aided farmers but left some areas short on soil moisture.

Precipitation in October and early November was below normal in most of West Africa and well below normal in Morocco, Algeria, and Tunisia. Parts of Ghana and Sierra Leone, however, received normal or above normal amounts.

Spring was exceptionally wet in Australia where many stations registered a record October rainfall. Amounts were often 4 or 5 times normal and in spots ranged up to 20 times the normal level. Near normal temperatures dominated eastern coastal areas of Australia but followed a below normal trend in the interior and ranged far below normal in the west.

October was relatively wet in the PRC except for several southwest Provinces and the Manchurian Plain of the northeast. Indeed, rainfall was excessive in some areas and particularly harmful when coupled with winds of two typhoons affecting

Kwangtung Province. In general temperatures were slightly above normal.

India's southwest monsoon continued longer than usual, accounting for above normal rainfall throughout the country except the extreme northern and southern areas. Gujarat was particularly wet because of a tropical storm. Thailand also received above normal rainfall except in the southeast. Temperatures in both India and Thailand were near normal.

GRAINS: Small grains started to mature in the Southern Hemisphere. Weather during the growing season reduced small grain production prospects in Brazil, where the July freeze followed by excessive rains in Parana and Rio Grande do Sul favored disease. Argentina had some problems with dry areas although 1.50 to 3.00 in. of rain in October helped. In Australia generous rainfall continued to benefit small grains; however, seasonably drier weather would be desirable until harvest is completed in January. Soil moisture improved for the start of summer grains in Brazil and Australia. In much of Argentina soil moisture supplies are good but some areas still need rain, as does Uruguay.

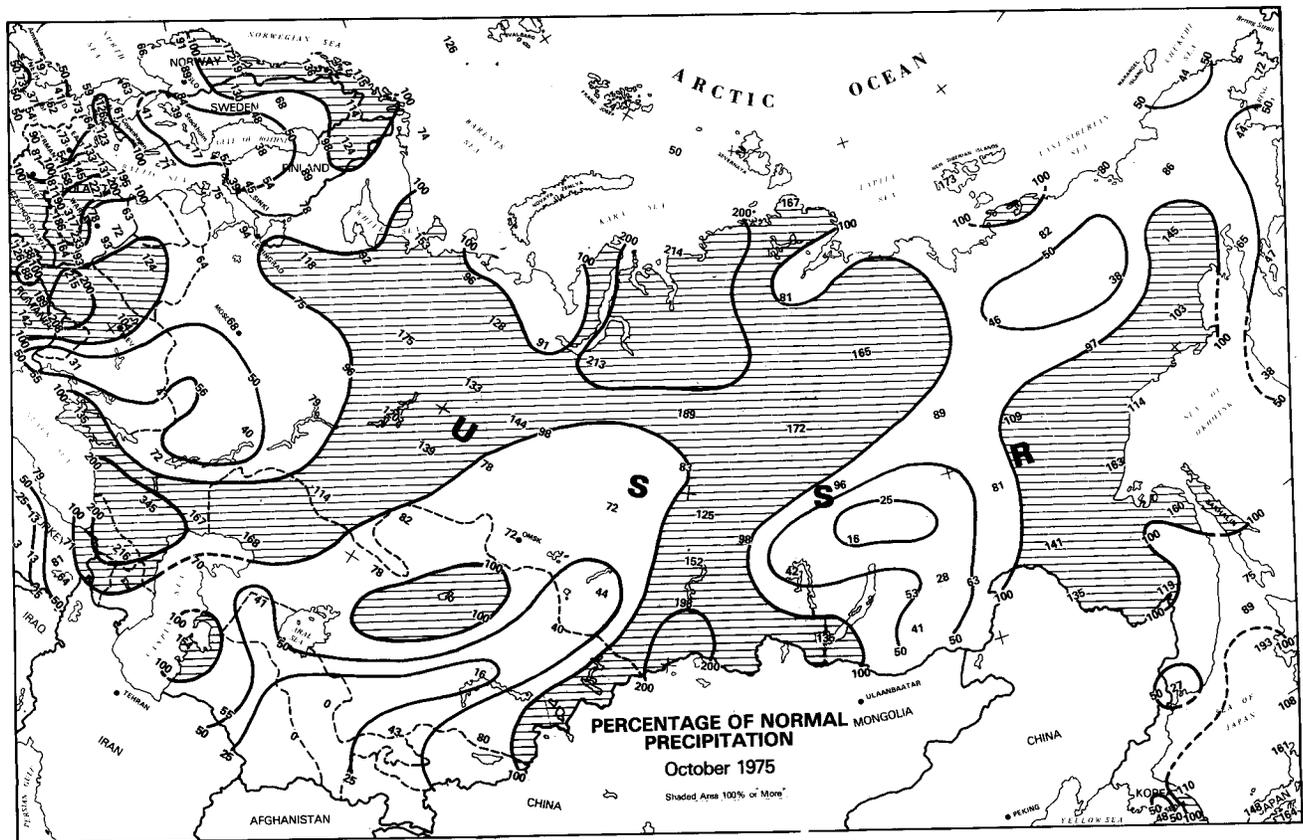
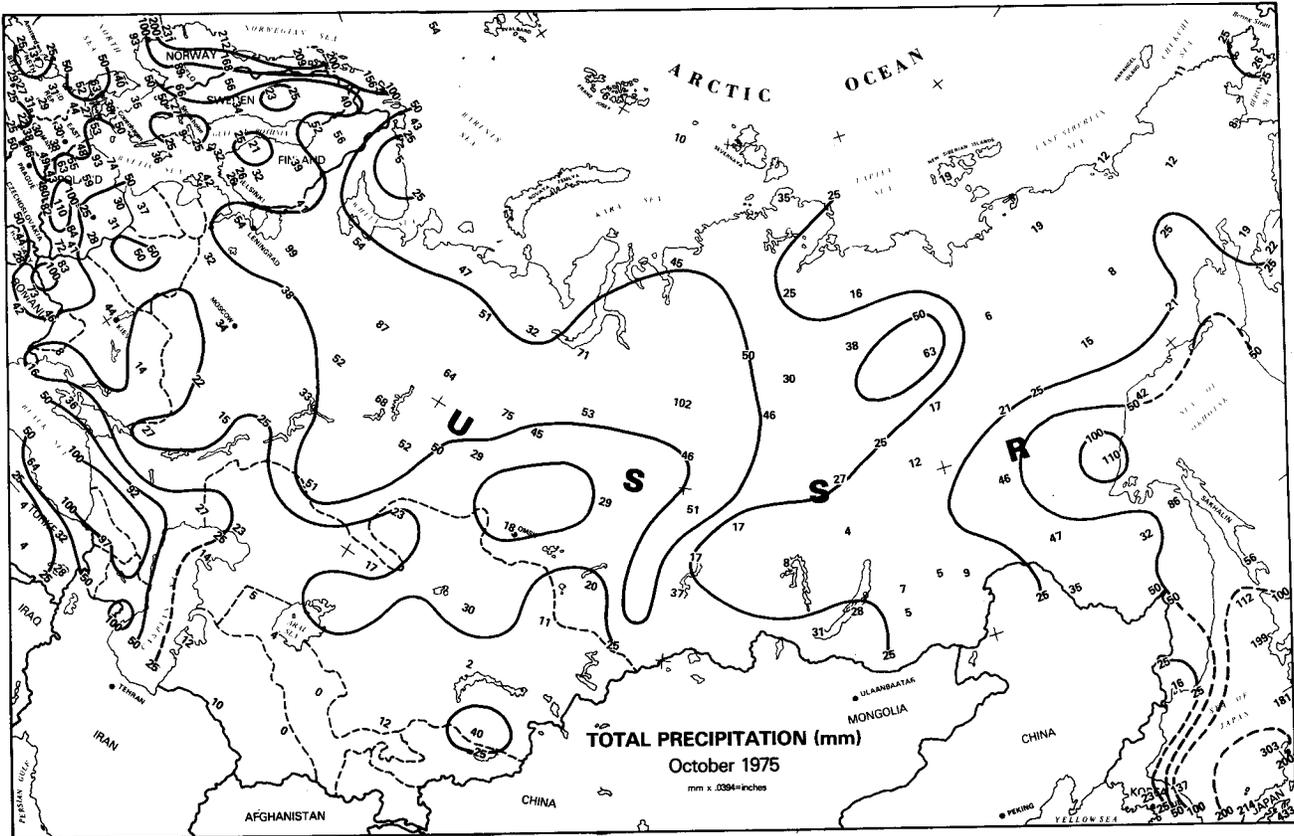
Moisture shortages are a problem in the Northern Hemisphere, especially western portions of the U.S. winter wheat belt; the southeastern part of European USSR; and much of the western Mediterranean region, particularly Spain, Morocco, Algeria, and Tunisia. Small grains in these areas show erratic germination and growth. Adequate rainfall established stands in most of Europe. Areas of little reserve moisture have reasonably reliable winter precipitation and limited soil freeze-up in their favor. In Turkey late October rains improved conditions for small grains. In Spain much of the crop was dusted in. Crop prospects look good in Asia. Most countries show better than usual soil moisture and water storage. Wet fall weather, however, disrupted planting schedules to some extent in the PRC.

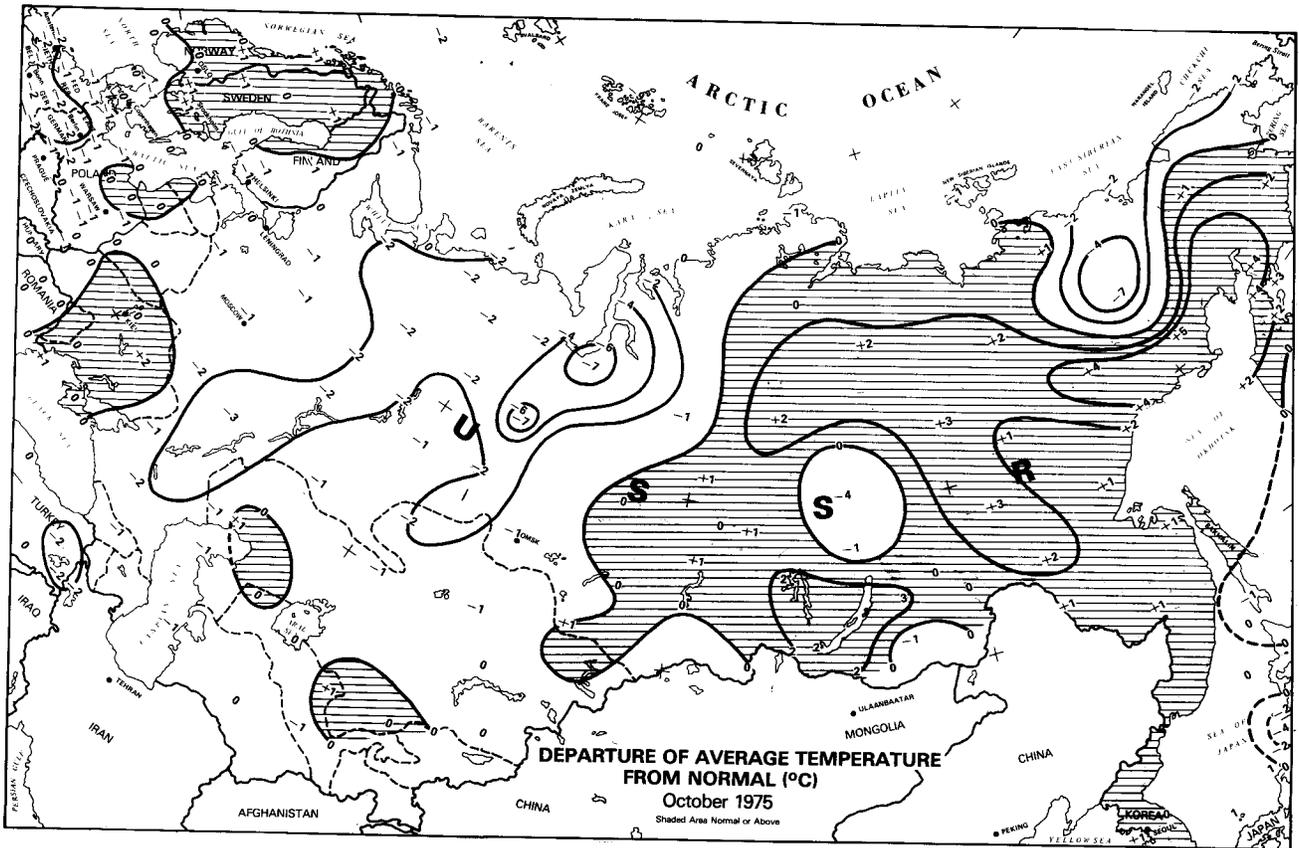
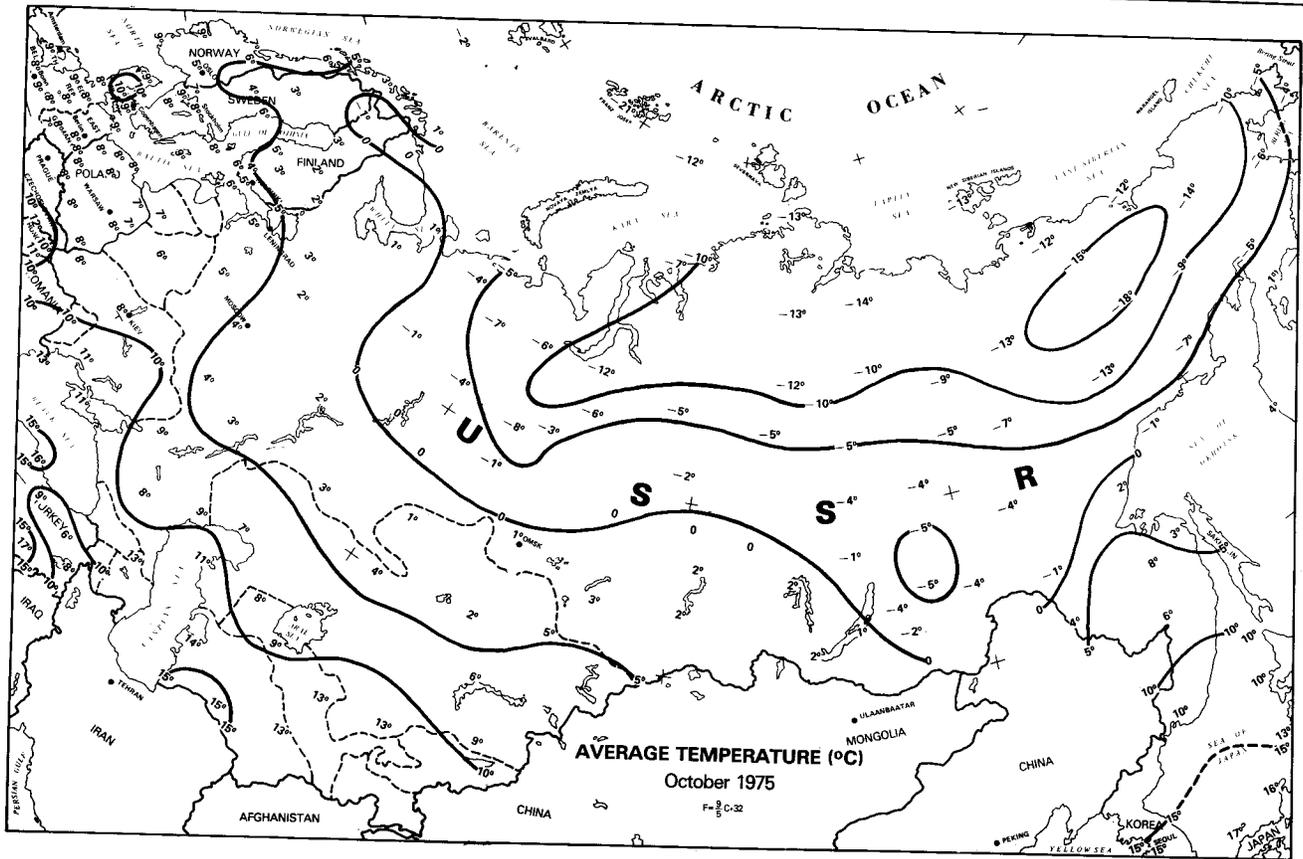
Harvest of grains as a rule progressed well and in many areas was completed with much less difficulty than last fall. Europe experienced some wet weather. October typhoons affecting southeast PRC, especially Kwangtung Province, took a heavy toll on rice in some coastal areas.

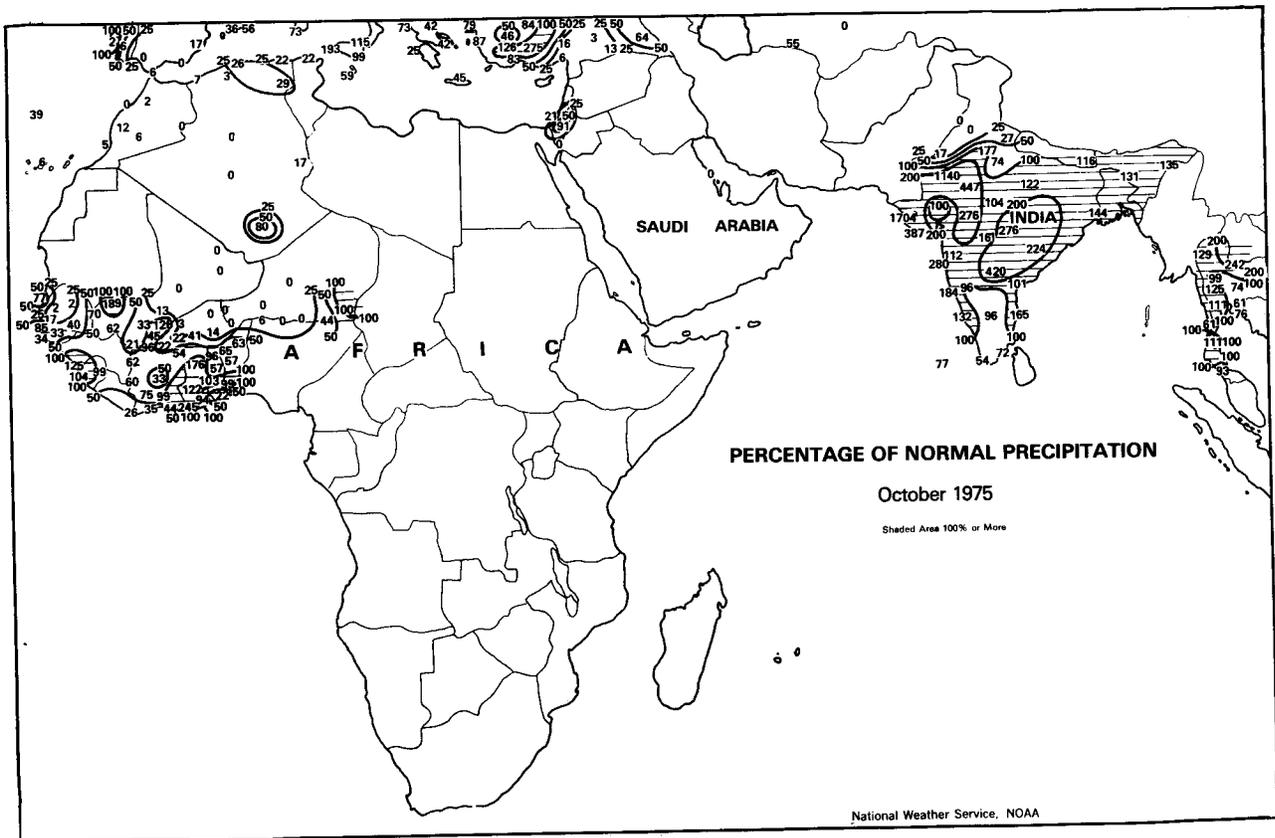
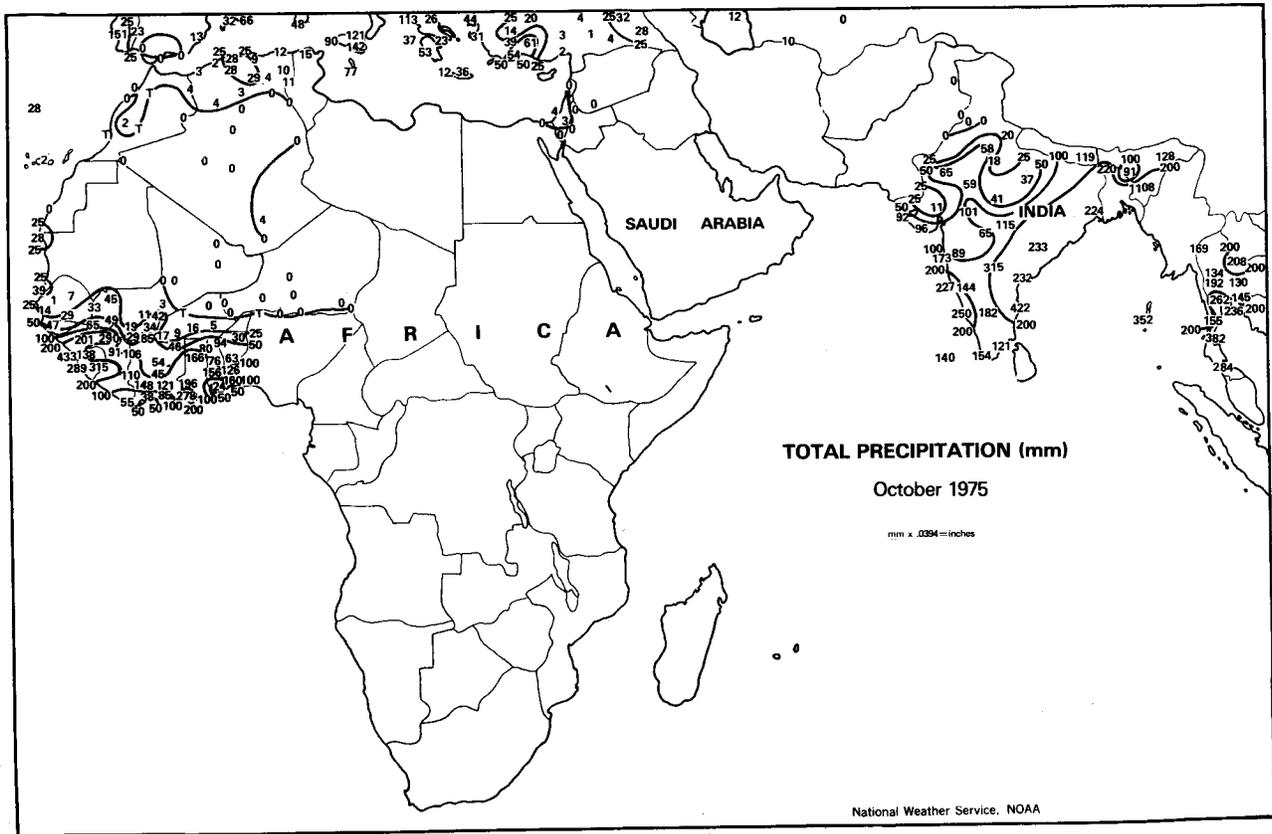
FORAGE: Favorable fall weather encouraged good recovery of forage crops from the summer drought in Europe. Yet, problem spots remain along the Mediterranean, in East Germany, and much of the USSR. Conditions in Brazil are on the upswing and worldwide, are rather good.

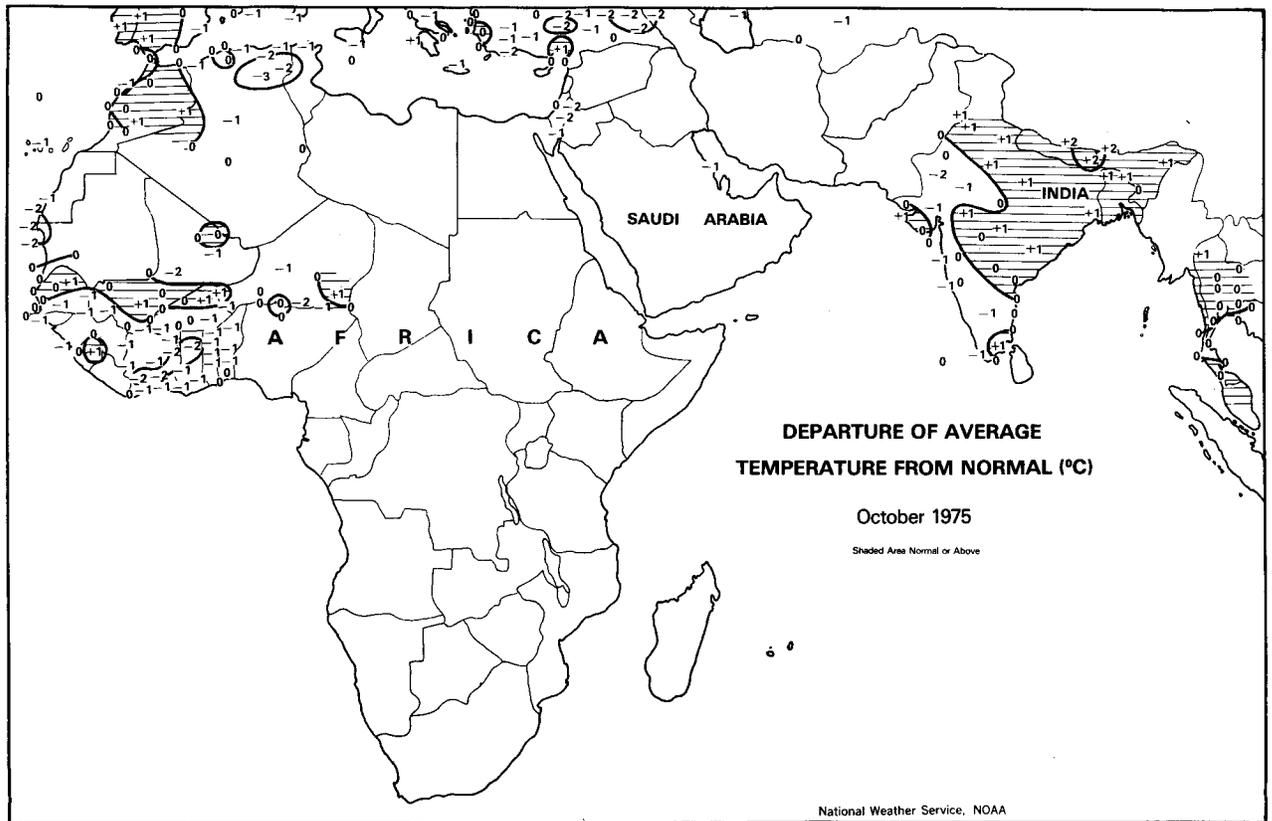
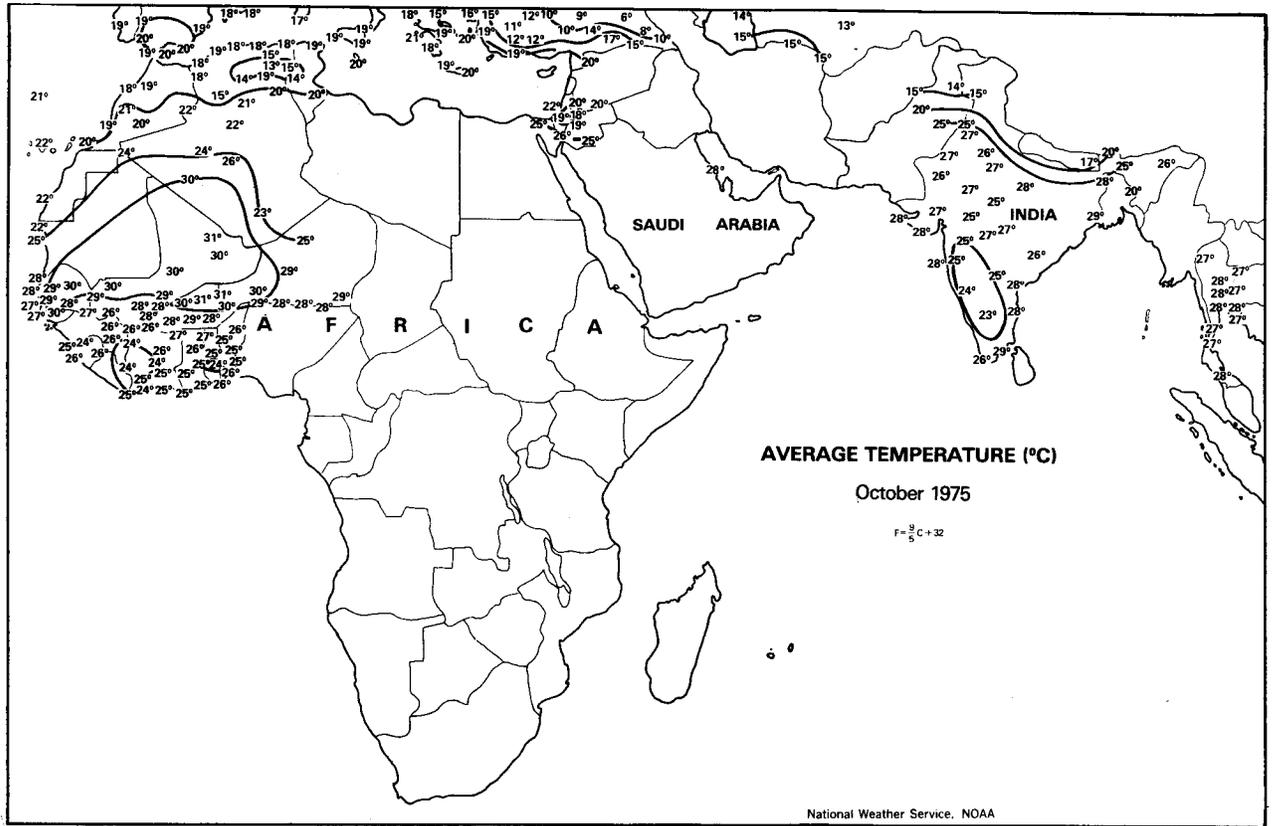
OTHER CROPS: Cotton picking was delayed by wet weather in the Sudan and by rain, snow, and cold in central Asia of the USSR. Mostly ideal weather favored picking in India, Pakistan, and northeast Brazil.

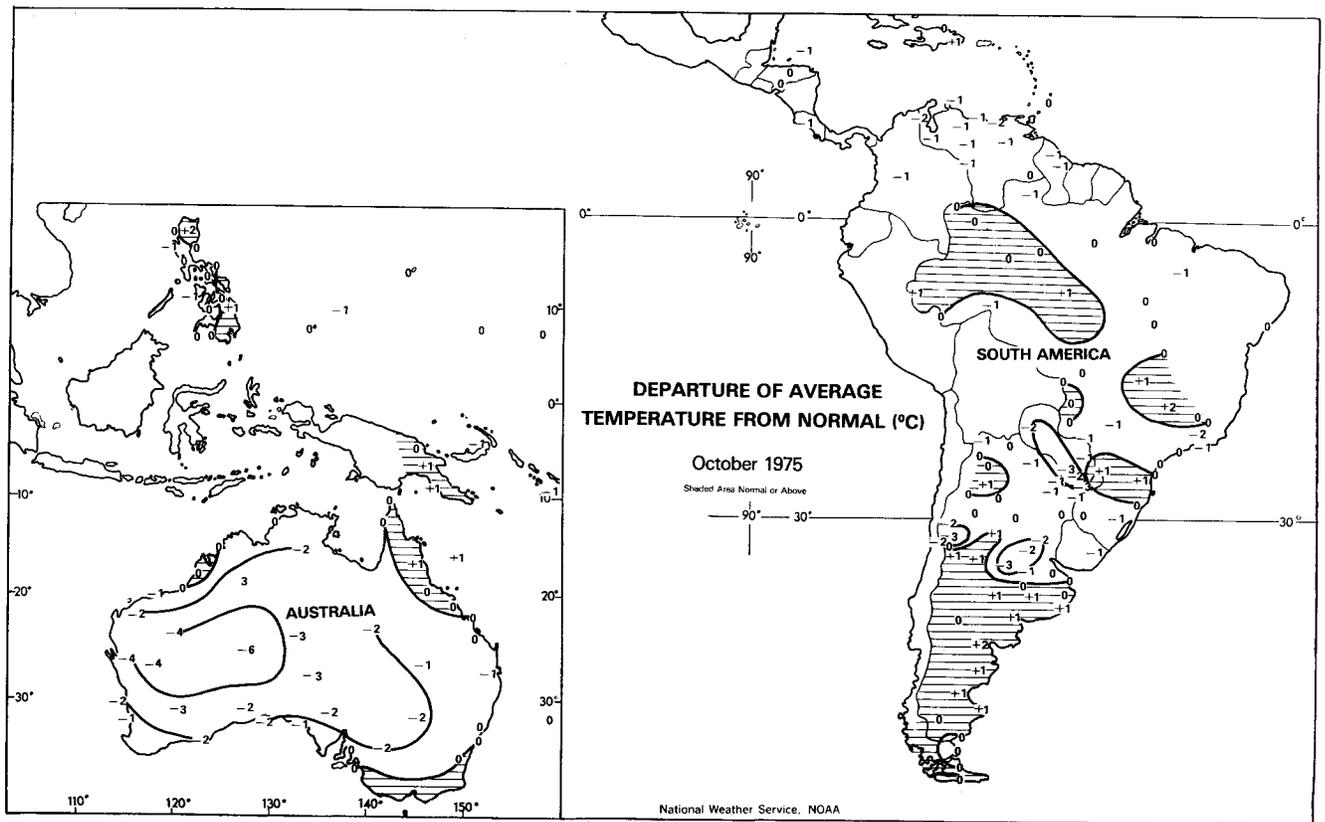
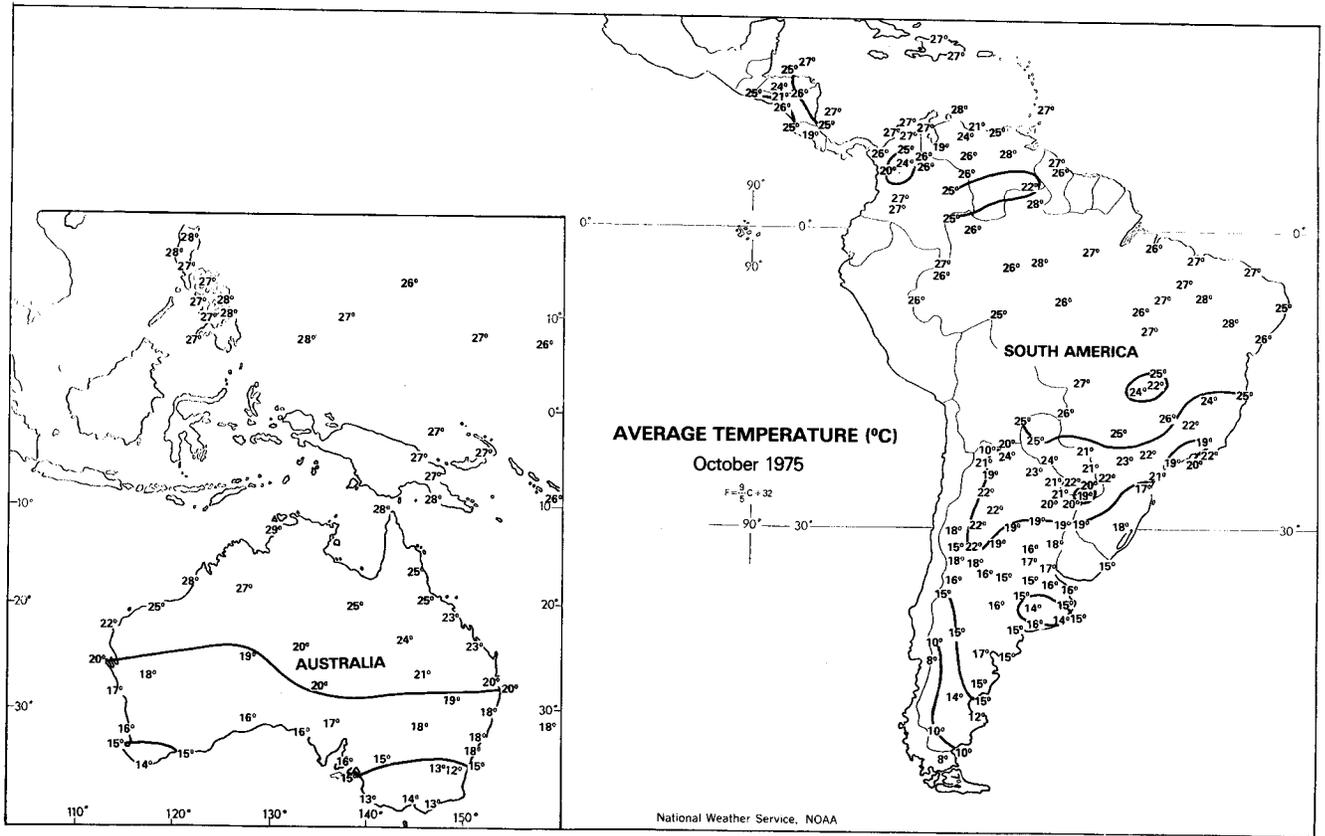
Weather was generally favorable for harvest of soybeans in the PRC, though wet conditions caused some delay. A tropical storm caused some damage to peanuts in Gujarat, India. Rains relieved drought-stricken citrus in Brazil. Sugarbeet harvest approached completion in major producing areas of the Northern Hemisphere under much better conditions than last year. In Columbia, heavy rains in late October caused considerable crop and livestock losses along the northern coast. Rains finally eased this month in northeast Australia after impeding harvest for many weeks and lowering sugar content of cane.

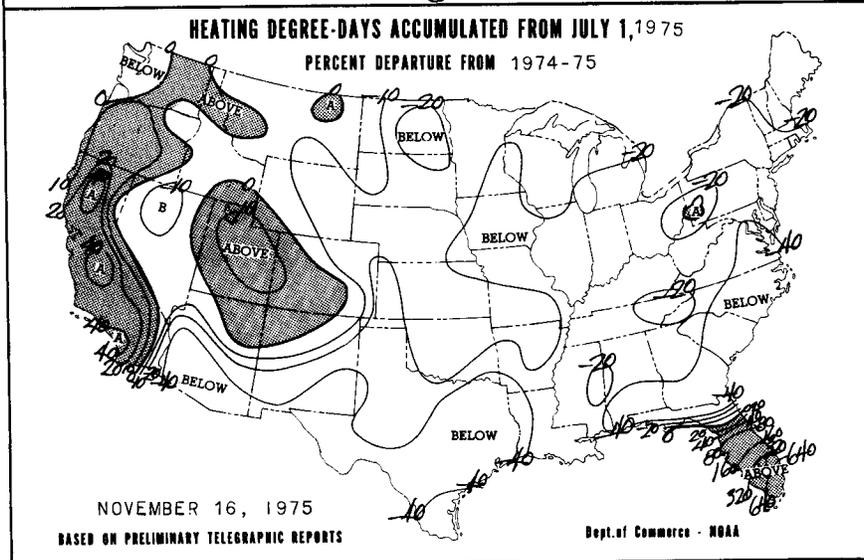
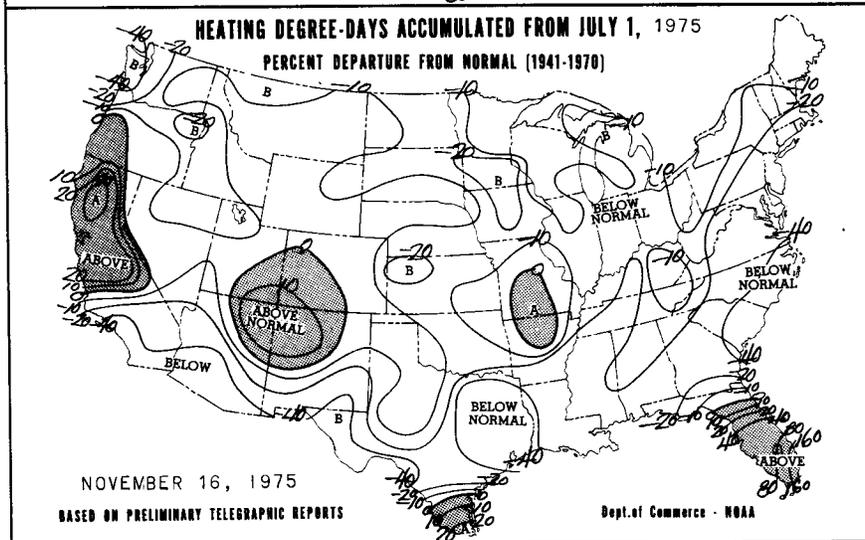
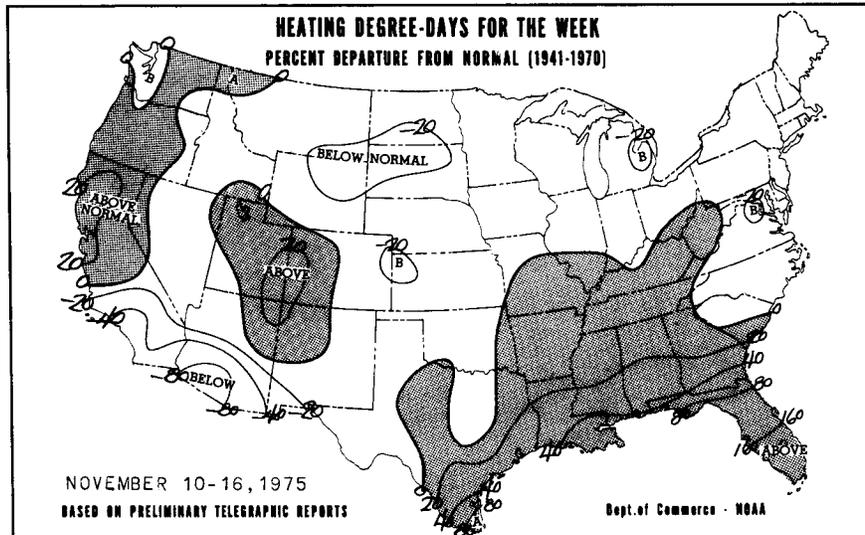












Heating Degree Days (Base 65°) For Week Ending

Nov. 16, 1975

States and Stations	Weekly		Seasonal + Accumulation			States and Stations	Weekly		Seasonal + Accumulation			States and Stations	Weekly		Seasonal + Accumulation		
	TOTAL	Departure*	TOTAL	Departure*	Departure From 1974-75		TOTAL	Departure*	TOTAL	Departure*	Departure From 1974-75		TOTAL	Departure*	TOTAL	Departure*	Departure From 1974-75
ALA. Birmingham . . .	98	12	261	-58	-100	Portland	153	-22	1059	-91	-120	Tulsa	98	-6	329	-30	-79
Mobile	63	17	83	-45	-79	MD. Baltimore . . .	103	-22	347	-187	-177	OREG. Astoria . . .	130	2	696	-475	-356
Montgomery	85	19	137	-87	-129	MASS. Boston . . .	97	-33	454	-202	-336	Burns	210	10	1293	-10	124
ARIZ. Flagstaff . . .	166	-30	1199	-159	-17	MICH. Alpena . . .	168	-36	1235	-198	-245	Medford	165	18	804	9	120
Phoenix	9	-29	25	-62	-41	Detroit	147	-19	750	-99	-273	Pendleton	107	-56	620	-227	-57
Tucson	12	-33	66	-45	-99	Flint	138	-41	770	-238	-323	Portland	127	-9	721	-140	94
Winslow	170	23	641	68	4	Grand Rapids . . .	158	-19	854	-76	-396	Salem	143	6	891	13	127
Yuma	5	-17	12	-26	-8	Houghton Lake . .	176	-31	1200	-179	-251	PA. Allentown . . .	135	-16	581	-169	-250
ARK. Fort Smith . . .	108	12	312	-16	-82	Lansing	163	-16	908	-61	-284	Erie	154	-13	819	-157	-250
Little Rock	112	14	297	-47	-27	Marquette	190	-18	1154	-165	-278	Harrisburg	126	-15	487	-149	-237
CALIF. Bakersfield . .	46	-13	164	-4	37	Muskegon	137	-37	836	-142	-276	Philadelphia . . .	102	-22	329	-214	-195
Eureka	106	15	1381	81	94	S. Ste. Marie . . .	202	-15	1411	-146	-315	Pittsburgh	157	-1	764	-69	6
Fresno	86	11	326	88	110	MINN. Duluth . . .	235	-13	1543	-80	-366	Scranton	140	-21	649	-228	-263
Los Angeles	17	-18	96	-107	26	Internatl Falls . .	227	-44	1615	-164	-210	R.I. Providence . .	124	-19	666	-89	-205
Red Bluff	99	24	368	140	116	Minneapolis . . .	184	-40	940	-259	-310	S.C. Charleston . .	63	4	116	-74	-167
San Diego	17	-13	73	-52	21	Rochester	189	-29	987	-195	-303	Columbia	69	-5	152	-108	-176
San Francisco	82	17	659	146	151	St. Cloud	213	-24	1245	-74	-263	Greenville	89	-4	269	-71	-175
Stockton	88	-8	309	63	69	MISS. Jackson . . .	80	13	165	-59	-75	S. DAK. Aberdeen .	184	-51	942	-315	-283
COLO. Denver	169	-6	875	-25	-138	Meridian	88	16	223	-35	-27	Huron	198	-23	1030	-104	-109
Grand Junction . . .	209	39	753	17	66	MO. Columbia . . .	145	4	574	2	-185	Rapid City	162	-40	1013	-110	-99
Pueblo	157	-8	725	-12	26	Kansas City	137	-7	543	-25	-169	Sioux Falls	191	-24	993	-114	-167
CONN. Bridgeport . . .	110	-15	413	-147	-222	St. Louis	136	2	489	-41	-185	TENN. Chattanooga .	128	21	358	-53	-155
Hartford	134	-22	609	-222	-337	Springfield	136	5	547	9	-114	Knoxville	124	19	387	-13	-42
DEL. Wilmington . . .	116	-11	390	-159	-222	MONT. Billings . . .	163	-38	1064	-94	-151	Memphis	100	7	230	-106	-97
D.C. Washington . . .	82	-29	229	-201	-201	Glasgow	213	-33	1331	-73	15	Nashville	113	1	327	-89	-140
FLA. Apalachicola . .	64	31	71	-14	6	Great Falls	173	-37	1215	-75	-23	TEX. Abilene	75	2	232	-2	-86
Daytona Beach	40	20	40	4	12	Havre	190	-57	1264	-226	-101	Amarillo	122	-4	461	-23	-140
Ft. Myers	20	13	20	5	15	Helena	199	-30	1561	64	17	Austin	40	-4	71	-53	-72
Jacksonville	59	26	72	-11	-50	Kalispell	244	6	1543	-228	-99	Brownsville	17	10	22	5	-12
Key West	2	2	2	2	2	Miles City	187	-35	1113	-106	-75	Corpus Christi . . .	22	6	37	1	-19
Lakeland	36	22	36	10	21	Missoula	221	-4	1473	-74	114	Del Rio	32	-6	49	-56	-69
Miami	14	14	14	14	14	NEBR. Grand Island	162	-18	744	-101	-162	El Paso	75	-14	199	-69	-162
Orlando	34	20	34	10	20	Lincoln	156	-20	686	-88	-140	Fort Worth	55	-6	91	-89	-82
Tallahassee	70	25	97	-19	-89	Norfolk	175	-19	823	-111	-130	Galveston	23	2	29	-22	-26
Tampa	37	23	37	12	19	North Platte	189	-8	1022	13	-90	Houston	43	11	78	-8	-25
W. Palm Beach	20	15	20	15	19	Omaha	150	-18	638	-84	-233	Lubbock	102	-7	331	-60	-198
GA. Atlanta	97	7	256	-69	-90	Valentine	170	-38	990	-88	-123	Midland	80	1	220	-15	-61
Augusta	75	0	158	-96	-171	NEV. Ely	209	-3	1351	-45	-2	Beaumont	42	2	59	-54	-72
Macon	79	12	159	-55	-82	Las Vegas	75	-2	176	-48	-16	San Angelo	67	2	186	-15	-31
Savannah	68	14	97	-69	-97	Reno	178	8	996	-60	-57	San Antonio	44	7	66	-37	-82
IDAHO. Boise	154	-18	801	-109	-10	Winnemucca	179	-11	957	-217	-182	Victoria	32	6	44	-19	-34
Lewiston	152	-17	773	-139	-1	N.H. Concord	179	-1	1200	87	-123	Waco	41	-10	74	-76	-79
Pocatello	200	0	1147	-8	14	N.J. Atlantic City .	133	8	560	3	-95	Wichita Falls . . .	82	2	224	-26	-44
ILL. Cairo	114	3	331	-59	-130	Trenton	107	-16	404	-141	-182	UTAH. Salt Lake C	184	8	780	-104	93
Chicago	150	-16	608	-113	-250	N.MEX. Albuquerque	145	-7	569	60	-4	VT. Burlington . . .	158	-28	960	-198	-302
Moline	159	-14	675	-117	-217	Roswell	104	-18	299	-162	-257	VA. Lynchburg . . .	115	-4	405	-109	-178
Peoria	166	-3	703	-50	-170	N.Y. Albany	148	-20	773	-176	-459	Norfolk	70	-16	201	-124	-153
Rockford	180	-4	862	-40	-97	Binghamton	167	-11	957	-109	-276	Richmond	89	-16	269	-171	-285
Springfield	148	-7	555	-102	-206	Buffalo	149	-19	797	-157	-195	Roanoke	105	-16	374	-143	-223
IND. Evansville	140	6	452	-94	-200	New York	103	-12	384	-108	-195	WASH. Quillayute . .	141	-3	794	-600	-485
Fort Wayne	155	-11	710	-102	-218	Rochester	149	-14	795	-108	-280	Seattle-Tacoma . . .	132	-9	693	-341	-181
Indianapolis	155	-1	612	-80	-238	Syracuse	146	-13	836	-36	-262	Spokane	202	-1	1188	-47	12
South Bend	139	-31	651	-203	-189	N.C. Asheville	124	-2	518	-65	-93	Walla Walla	116	-38	606	-139	-81
IOWA. Burlington . . .	158	-12	647	-98	-237	Hatteras	56	3	105	-87	-138	Yakima	188	6	991	-66	65
Des Moines	153	-30	642	-191	-227	Charlotte	87	-4	237	-110	-209	W.VA. Beckley . . .	160	4	648	-208	-292
Dubuque	183	-12	935	-66	-172	Greensboro	94	-17	289	-172	-186	Charleston	128	-3	482	-103	-256
Sioux City	181	-13	831	-70	-84	Raleigh	87	-11	257	-143	-241	Huntington	130	0	468	-113	-219
KANS. Concordia	138	-21	555	-117	-139	Wilmington	52	9	105	-96	-180	Parkersburg	140	7	574	-15	-136
Dodge City	129	-21	515	-79	-99	N.Dak. Bismarck . . .	193	-53	1246	-139	-342	WIS. Green Bay . . .	196	-12	1139	-55	-272
Goodland	135	-45	680	-194	-291	Fargo	240	-5	1207	-144	-285	LaCrosse	182	-16	938	-46	-185
Topeka	133	-16	542	-75	-131	Williston	217	-34	1387	-72	-128	Madison	180	-25	934	-195	-194
Wichita	133	-2	480	-36	-62	OHIO. Akron-Canton	155	-8	722	-110	-161	Milwaukee	164	-27	812	-220	-282
KY. Lexington	144	7	536	-33	-181	Cleveland	156	0	735	-73	-168	WYO. Casper	172	-42	1130	-120	-227
Louisville	119	-15	403	-148	-278	Columbus	149	-6	603	-148	-162	Cheyenne	169	-34	1146	-97	-196
LA. Baton Rouge	65	20	89	-54	-50	Cincinnati	141	-1	546	-62	-243	Lander	194	-36	1211	-91	-112
Lake Charles	50	12	69	-41	-46	Dayton	143	-13	582	-117	-239	Sheridan	164	-54	1166	-134	-217
New Orleans	56	17	78	-39	-28	Toledo	157	-13	856	4	-157						
Shreveport	69	10	113	-76	-82	Youngstown	160	-5	800	-83	-210						
MAINE. Caribou	210	-15	1537	-134	-156	OKLA. Okla City . . .	99	-6	323	-47	-39						

* Based on 1941-70 Normals



FIRST CLASS MAIL

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CROP PROGRESS

SEEDING

Percent of Acreage Seeded
 As of November 16

winter wheat			
	AVG	1975	1976
Colo.	100	100	100
Idaho	100	100	100
Ill.	100	100	100
Ind.	100	100	100
Kans.	100	100	97
Ky.	1/	1/	1/
Mich.	100	100	100
Mont.	100	100	100
Nebr.	100	100	100
Ohio	100	100	100
Okla.	99	99	95
S.Dak.	100	100	100
Tenn.	82	82	76
Texas	97	94	97
U. S.	94	93	93

HARVESTING

Percent of Acreage Harvested
 As of November 16

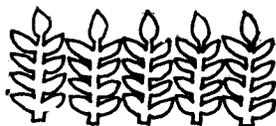
corn				soybeans			
	AVG	1974	1975		AVG	1974	1975
Ga.	1/	87	84	Ala.	62	79	63
Ill.	70	70	97	Ark.	1/	52	76
Ind.	65	50	90	Ga.	1/	69	51
Iowa	74	77	98	Ill.	91	95	100
Kans.	75	85	100	Ind.	80	90	97
Ky.	1/	84	84	Iowa	1/	100	100
Mich.	66	63	90	Ky.	1/	1/	80
Minn.	1/	2/	2/	La.	77	82	85
Mo.	71	69	95	Minn.	100	100	100
Nebr.	75	90	2/	Miss.	69	66	65
N. C.	75	92	92	Mo.	72	67	92
Ohio	80	80	90	Nebr.	1/	100	100
S.Dak.	1/	2/	2/	N. C.	41	59	33
Wis.	80	75	95	Ohio	1/	100	100
U. S.	79	79	95	S. C.	41	68	34
				Tenn.	60	58	57
				U. S.	79	82	86

cotton

	AVG	1974	1975
Ala.	72	76	45
Ark.	1/	57	75
Ga.	1/	82	62
La.	72	77	60
Miss.	78	69	50
Mo.	71	69	89
N. C.	70	74	65
Okla.	19	4	1/
S. C.	83	84	81
Tenn.	68	57	57
Texas	35	30	36

sorghum

	AVG	1974	1975
Colo.	61	55	99
Kans.	80	50	95
Mo.	71	60	96
Nebr.	85	95	100
Okla.	67	50	87
S.Dak.	100	100	100
Texas	91	74	98
7-State	85	70	97



1/Data not available
 2/Virtually complete

11-State 51 46 46