

WEEKLY WEATHER AND CROP BULLETIN

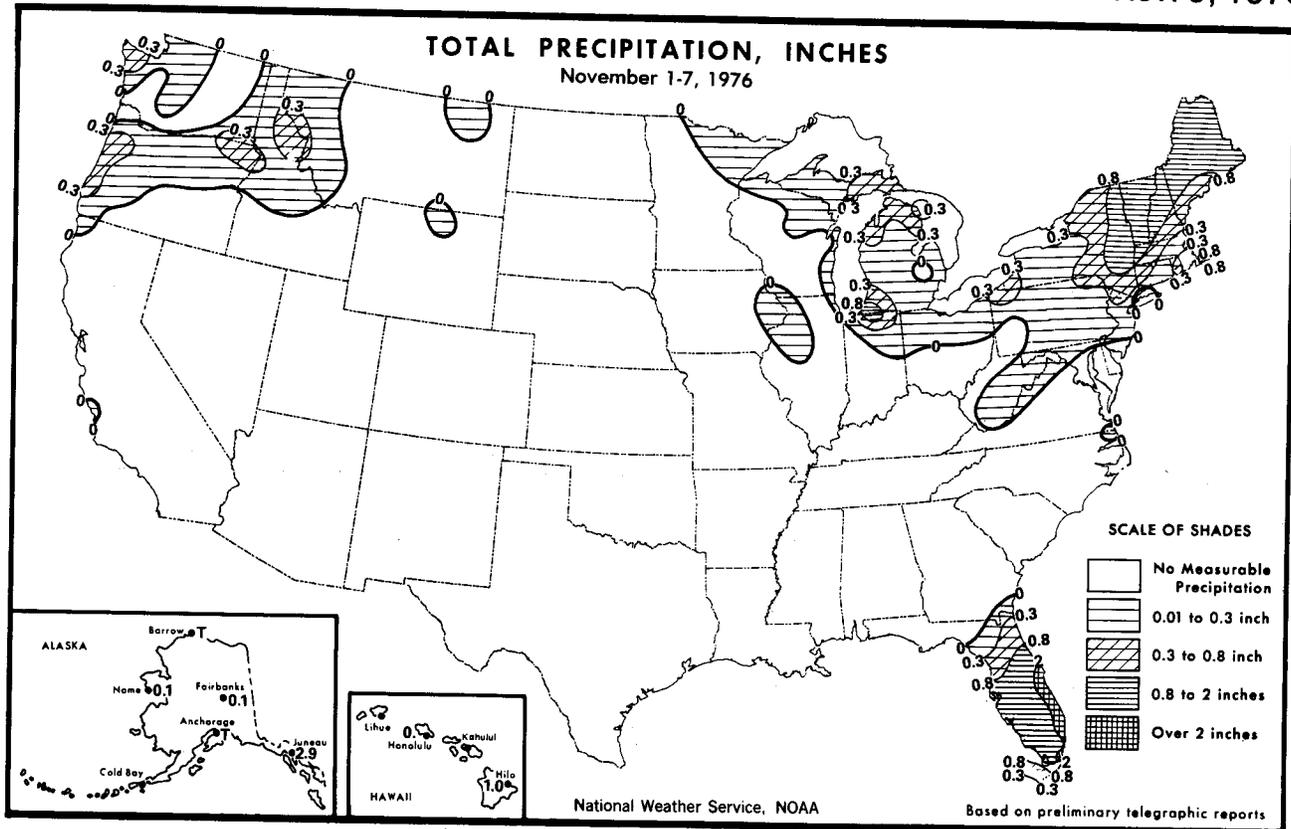
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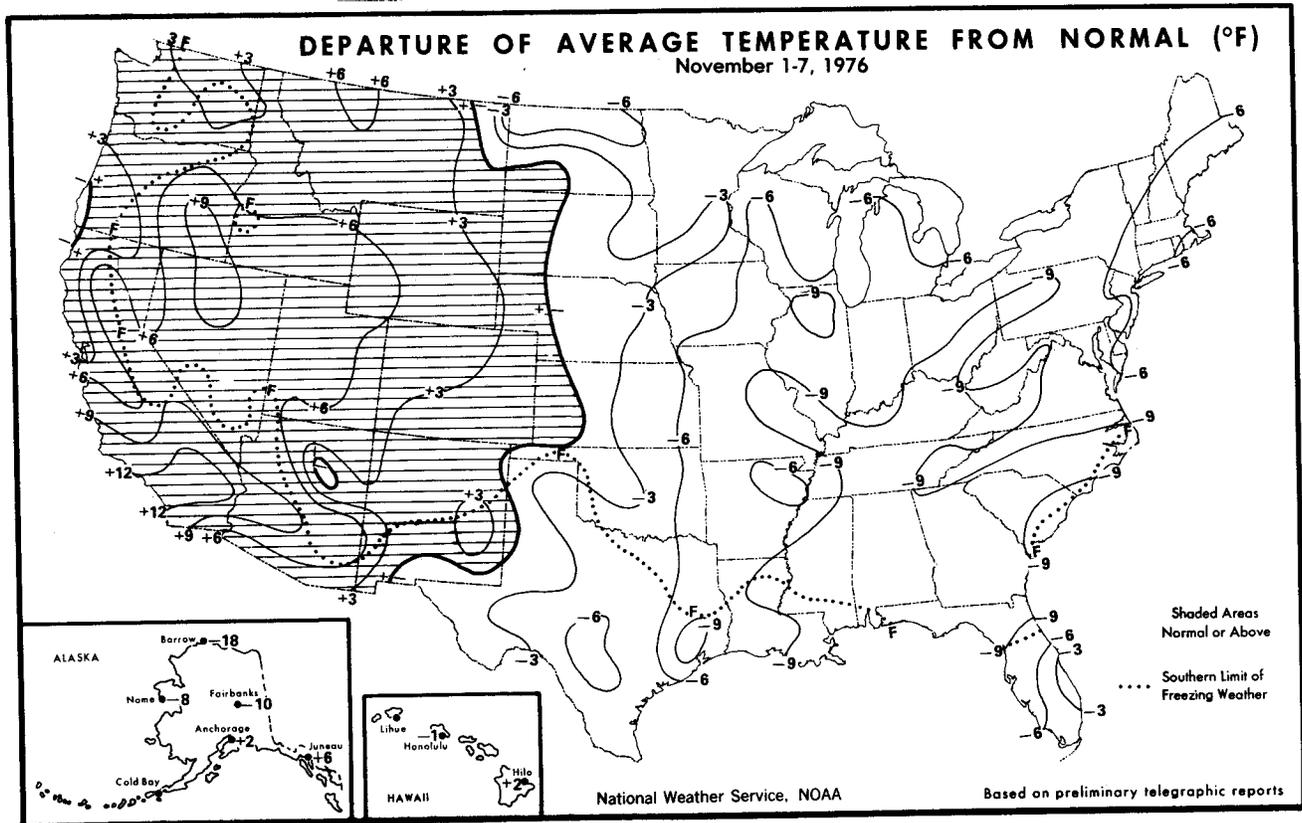
National Weather Summary For the Week of November 1-7

HIGHLIGHTS: Another very cold week has gone into the record books. A series of polar outbreaks into the northern Plains has kept the U.S. shivering east of the Rockies. The southeastern U.S., from Kentucky to northern Florida, averaged 9 to 10° below normal. From Texas through the northern Plains the average temperatures were 5 to 6° below normal. In contrast, the area west of the Rockies has been considerably warmer than normal. Southern California averaged 10 to 12° above normal. Precipitation was confined to Florida, the Lakes area, New England and the Pacific Northwest.

Monday was unusual in that mostly clear weather dominated nearly all of the Nation. The only precipitation recorded was in the Pacific Northwest where light rain or snow showers appeared and light snow fell in western New York and northern New England. Warming began in the Great

Plains, but record low temperatures were set elsewhere. Toledo, Ohio set a record with a low of 20°. Other records, in the low 20's, were set in Michigan. Later in the day readings reached into the 70's over portions of the Great Plains. Bismarck, N.D. reached 70°, setting a new record high for the date breaking the old record of 69° set in 1903.

Another beautiful day dawned Tuesday as over 3/4 of the Nation was mostly sunny. There were on areas of heavy or prolonged precipitation. Cloudiness prevailed and some light rain or snow fell from the Great Lakes area through New England and in a few spots in the far Northwest. Cold weather continued in the East and another cool surge ended the warming spell in the Great Plains. A number of cities in the East set record low temperatures for the date--continuing a trend that was started in early October Providence, R.I. 21°; Wilmington, N.C. 26° and Roanoke, Va. 21°. Midday



temperatures ranged from the 30's in New England to the 60's along much of the Gulf Coast with 70's in Florida and southern Texas. Southern California stayed warm and produced the high temperature for the Nation, 97° at Long Beach.

The dry spell was broken, at least for a small area, on Wednesday when heavy showers moved over the Florida peninsula. Elsewhere a few rain showers were scattered over the central and northern Appalachians and light snow or flurries continued in the upper Great Lakes and northern New England. Cold gusty winds swept over the Great Lakes. Night time temperatures were again rather cool in the Southeast with 30's reaching as far south as Georgia, northwest Florida and the central Gulf States. The coldest temperatures were in the teens in parts of Maine, Montana and Wyoming. Temperatures in the southern States later warmed to the 60's and 70's. California continued to be the warmest State as temperatures in the upper 80's reached to parts of the northern interior Valley. Further south it was just plain hot with temperatures ranging up to 97°.

A low pressure center over Michigan Thursday continued to sweep cold air over the warmer lake waters causing snow with some accumulations. Snow fell in Michigan, Indiana, western New York and parts of New England. Light rain was felt elsewhere in New York and New England. South Bend, Ind. received more than 6 inches of snow. The snow abated later in the day as the low moved northward. Cold air sank deep into the Southeast Thursday morning. Cold weather with day time temperatures in the mid 30's remained anchored over the Great Lakes and moved into parts of the central Plains and the mid Mississippi Valley. High temperatures at both Kansas City and Vichy, Mo. reached only 35°. The coldest in the Nation

was 9° at Valentine, Neb. California had another day of record high temperatures.

Unseasonable cold was noted Friday morning over much of the Mississippi Valley and Gulf Coast States as a large high pressure system covered the area. Record low temperatures were broken in Missouri, Illinois and Arkansas, including 15° at Springfield, Mo. (also the coldest in the Nation), Springfield, Ill. 23°, and Little Rock, Ark. 26°. By the end of the day warming started in the central Plains as the cold air moved southeastward. Temperatures west of the Rockies were warmer than normal. California was not as hot as the previous day but the mercury climbed into the low 90's in the south. Snow flurries persisted in the eastern Great Lakes area and in western New England while the coastal area of New England had rain and showers.

Skies over the Southeast remained sunny on Saturday--to help forget morning frost that dipped into northern Florida. Temperatures warmed quickly during the day. A new cold thrust into the Plains dispelled the warming that had started in that area. A stagnant weather pattern kept temperatures over the Rockies and the West above normal. Light snow or rain showers persisted in the morning over the eastern Lakes and New England.

The week ended on Sunday with snow falling again in the upper and eastern Great Lakes area. Light rain or snow showers were reported from West Virginia through New England. The mercury dropped again in the Southeast as unseasonably cold weather returned after a warm day. Tallahassee, Fla. had a record low temperature of 30°. In the northern Plains, Duluth, Minn. had a high temperature of only 17°. In sharp contrast, the area west of the Rockies continued much warmer than normal.

National Agricultural Summary

For the Week of November 1-7

HIGHLIGHTS: Almost no precipitation fell on any major row crop area in the United States last week allowing farmers to make good progress harvesting crops. Unseasonably cold weather settled over most of the Nation east of the Rocky Mountains helping defoliate additional cotton in some parts of the south. Soil moisture rated adequate throughout the Country with the exception of some North Central States and the Mountain and Pacific States. Harvest of soybeans reached 80% complete, corn 86%, cotton 41% and sorghum 90%. Nationally planting of the winter wheat crop was nearly complete but lagged in Texas.

SMALL GRAINS: The winter wheat crop was in fair to good condition but many areas need rainfall to put on enough top and root growth.

In South Dakota subnormal temperatures stopped winter wheat growth. Fall grain development may not be far enough along to control wind erosion. Kansas wheat growers finished seeding. In Oklahoma seeding was almost complete and 90% of the crop was up to a good stand. Wheat growth provided good grazing. Wet fields delayed planting in North Texas holding seeding progress to 86% complete, 9 points under last year. Early stands look good. In Colorado 96% of the winter wheat crop emerged and development should be advanced enough to control blowing.

CORN: A clear week with virtually no rain in the major corn producing States helped farmers make good progress harvesting the corn crop. By November 8, 86% of the 1976 crop was harvested compared with 88% in 1975 and the average 69%. Harvest in all regions of the Nation outpaced the average but the eastern North Central and the South Central States lagged last year.

Harvest was almost complete in the western North Central States although Missouri and Kansas farmers had a significant 10% of their crops to harvest. In the eastern North Central States farmers harvested 77% of their crop less than 82% last year but ahead of the 66% average. Progress lagged last year in Ohio, Indiana and Illinois.

In the South Atlantic States harvest progressed to 86% complete surpassing 84% in 1975 and the 80% average. The Kentucky and Tennessee harvests held back the regional average.

COTTON: Cotton picking advanced to 41% complete falling between the 40% in 1975 and the 42% average for the 11 major Southern States. The subnormal temperatures helped defoliate some acreage but some of the most southern areas need a sharp freeze to complete the leaf drop.

In Texas cotton picking advanced rapidly on the High Plains but bogged down in wet soils in North Texas. Cotton plants on the Southern Low Plains need a hard freeze to complete defoliation. The Texas harvest advanced to only 20% complete well behind 1975's 32% and the 28% average. In Arkansas most of the cotton was picked for the first time with harvest 67% complete, ahead of 66% last year and the 59% average.

SOYBEANS: The United States soybean harvest advanced to 80% complete exceeding the 75% attained last year and the 72% average. Combining was almost complete in the North Central States

where harvest progress reached about 96%. In the South Central States harvest reached 62% complete outpacing the 58% of both last year and average. In Arkansas harvest reached 50% complete 10 points less than the average and last year. Texas also failed to exceed last year's pace by a significant margin among the South Central States. Texas producers harvested 59% of the crop compared with 83% last year and the 54% average.

OTHER CROPS: The sorghum harvest in the six major producing States hit the 90% mark, short of the 93% attained last year but far ahead of the 74% average. In Texas growers harvested 94% of the crop. Combining on the Northern Plains advanced rapidly but wet fields slowed progress on the Southern Plains. Moisture content of the grain tested high. In Kansas growers harvested 85% of the crop equalling last year but 25 points ahead of the average. In Oklahoma producers combined 75% of the sorghum also equalling last year but 25 points more than the average.

Rice harvest was virtually complete in all the producing States. Arkansas growers reached 98% complete. The Texas second cutting developed slowly along the Upper Gulf Coast but farmers were almost finished combining.

Peanut digging was almost complete in the eastern peanut producing States. In Texas producers harvested very fast as fields dried rapidly reaching 86% complete compared with 95% last year and 85% average. A week earlier Texas growers had picked only 64% of the peanut crop. Tennessee tobacco growers stripped 60% of the burley equal to the average rate. Kentucky growers stripped 28% ahead of the 20% last year and 23% average.

FRUITS AND NUTS: Florida citrus groves were in excellent condition. Growers stopped irrigating after rains brought additional moisture. Subnormal temperatures helped the crop. In Texas citrus growers harvested actively but rust mites caused some fruit discoloration. California growers harvested a wide variety of citrus including tangerines, grapefruit, lemons and Navel oranges. Nationally growers concluded the deciduous fruit harvest and began cleaning up orchards.

VEGETABLES: In Florida heavy rainfall delayed vegetable planting and harvesting and winds caused minor damage. An increasing volume of a larger selection of vegetables moved to market. Wet fields disrupted vegetable field activities in many areas of Texas. The cool wet conditions slowed crop development. In California a moderate volume of broccoli, carrots, cauliflower and lettuce moved to market. Celery reached peak levels. Fresh market tomato harvest declined seasonally.

PASTURE AND LIVESTOCK: Subnormal temperatures slowed grass growth and frosts terminated growth of summer pastures in the South. Grasslands generally provided normal seasonal forage supplies but several areas rated pastures poor including parts of the North Central States, the Mississippi Delta and California. Cattle were in fair to good condition.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., November 7, 1976

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	-10	0	-.7	La. Baton Rouge . . .	54	-8	0	-.7	Youngstown . . .	36	-9	.2	-.5
Mobile . . .	52	-10	0	-.5	Lake Charles . . .	56	-7	0	-.8	OKLA. Okla. City . . .	52	-2	0	-.4
Montgomery . . .	49	-10	0	-.6	New Orleans . . .	53	-10	0	-.7	Tulsa . . .	49	-5	0	-.5
ALASKA. Anchorage . . .	28	+2	T	-.3	Shreveport . . .	53	-7	0	-.8	OREG. Astoria . . .	53	+4	T	-2.1
Barrow . . .	-13	-18	T	-.1	MAINE. Caribou . . .	30	-7	1.1	+ .3	Burns . . .	49	+9	0	-.3
Fairbanks . . .	1	-10	.1	-.1	Portland . . .	40	-3	.4	-.6	Medford . . .	48	+1	T	-.7
Juneau . . .	41	+6	2.9	+1.4	MD. Baltimore . . .	45	-6	T	-.7	Pendleton . . .	49	+4	.1	-.3
Kodiak . . .	13	-8	.1	-.2	MASS. Boston . . .	47	-3	T	-.6	Portland . . .	53	+5	.1	-1.1
Nome . . .	13	-8	.1	-.2	Chatham . . .	45	-7	1.0	-.7	Salem . . .	51	+3	.3	-1.0
ARIZ. Flagstaff . . .	46	+6	0	-.3	MICH. Alpena . . .	35	-5	.1	-.4	PA. Allentown . . .	42	-5	.2	-.5
Phoenix . . .	74	+10	0	-.1	Detroit . . .	38	-7	.1	-.5	Erie . . .	37	-8	.3	-.5
Tucson . . .	68	+6	0	-.1	Flint . . .	39	-4	T	-.6	Harrisburg . . .	43	-6	T	-.7
Winslow . . .	47	-1	0	-.1	Grand Rapids . . .	37	-7	T	-.6	Philadelphia . . .	44	-7	T	-.7
Yuma . . .	73	+5	0	-.1	Houghton Lake . . .	34	-6	.2	-.4	Pittsburgh . . .	37	-9	T	-.6
ARK. Fort Smith . . .	47	-8	0	-.8	Lansing . . .	37	-7	T	-.5	Scranton . . .	40	-6	.3	-.4
Little Rock . . .	48	-7	0	-.8	Marquette . . .	36	-4	.3	-.4	R.I. Providence . . .	42	-6	.4	-.6
CALIF. Bakersfield . . .	68	+8	0	-.1	Muskegon . . .	38	-6	.2	-.5	S.C. Charleston . . .	52	-8	0	-.5
Eureka . . .	53	0	T	-1.2	S. Ste. Marie . . .	34	-4	.3	-.4	Columbia . . .	47	-11	0	-.5
Fresno . . .	61	+4	0	-.2	MINN. Duluth . . .	30	-5	T	-.4	Greenville . . .	45	-10	0	-.7
Los Angeles . . .	77	+12	0	-.4	Internatl Falls . . .	29	-3	.1	-.2	S.D. Aberdeen . . .	36	-1	0	-.2
Red Bluff . . .	65	+7	0	-.6	Minneapolis . . .	37	-2	T	-.3	Huron . . .	35	-4	0	-.2
San Diego . . .	74	+11	0	-.2	Rochester . . .	34	-5	T	-.3	Rapid City . . .	42	+1	0	-.1
San Francisco . . .	61	+3	0	-.4	St. Cloud . . .	33	-4	T	-.3	Sioux Falls . . .	37	-3	0	-.2
Stockton . . .	63	+6	0	-.3	MISS. Jackson . . .	49	-10	0	-.7	TENN. Chattanooga . . .	44	-9	0	-.8
COLO. Denver . . .	48	+4	0	-.2	Meridian . . .	48	-10	0	-.6	Knoxville . . .	45	-8	0	-.7
Grand Junction . . .	49	+4	0	-.2	MO. Columbia . . .	40	-9	0	-.5	Memphis . . .	49	-6	0	-.8
Pueblo . . .	46	+1	0	-.1	Kansas City . . .	42	-7	0	-.5	Nashville . . .	43	-10	0	-.7
CONN. Bridgeport . . .	47	-4	0	-.8	St. Louis . . .	41	-9	0	-.6	TEX. Abilene . . .	55	-3	0	-.4
Hartford . . .	43	-3	.1	-.8	Springfield . . .	43	-7	0	-.6	Amarillo . . .	48	-3	0	-.2
D.C. Washington . . .	47	-6	T	-.6	MONT. Billings . . .	45	+4	T	-.2	Austin . . .	59	-4	0	-.5
FLA. Apalachicola . . .	55	-9	0	-.5	Glasgow . . .	39	+4	T	-.1	Beaumont . . .	57	-6	0	-.9
Daytona Beach . . .	60	-8	1.8	+1.1	Great Falls . . .	45	+6	0	-.1	Brownsville . . .	66	-5	T	-.4
Ft. Myers . . .	65	-7	1.6	+1.2	Havre . . .	41	+5	0	-.1	Corpus Christi . . .	64	-4	0	-.4
Jacksonville . . .	54	-10	.3	-.2	Helena . . .	40	+4	0	-.1	Dallas . . .	61	-3	0	-.2
Key West . . .	72	-5	.1	-.7	Kalispell . . .	39	+4	T	-.3	Del Rio . . .	61	-3	0	-.2
Lakeland . . .	62	-7	1.6	+1.2	Miles City . . .	40	+2	0	-.1	El Paso . . .	54	-2	0	-.1
Miami . . .	69	-5	1.5	+ .5	Missoula . . .	39	+3	T	-.2	Fort Worth . . .	56	-4	0	-.5
Orlando . . .	63	-6	1.1	+ .6	NEBR. Grand Island . . .	42	-2	0	-.2	Galveston . . .	61	-6	0	-.6
Tallahassee . . .	52	-10	0	-.5	Lincoln . . .	39	-6	0	-.2	Houston . . .	56	-9	0	-.9
Tampa . . .	62	-8	1.2	+ .8	Norfolk . . .	40	-2	T	-.2	Lubbock . . .	53	0	0	-.2
W. Palm Beach . . .	71	-2	3.0	+2.0	N. Platte . . .	39	-2	T	-.1	Midland . . .	55	-3	0	-.2
GA. Atlanta . . .	45	-10	0	-.7	Omaha . . .	40	-4	0	-.3	San Angelo . . .	55	-5	0	-.3
Augusta . . .	48	-9	0	-.4	Valentine . . .	38	-2	0	-.1	San Antonio . . .	56	-7	0	-.5
Macon . . .	50	-9	0	-.4	NEV. Ely . . .	46	+8	0	-.1	Victoria . . .	61	-5	0	-.6
Savannah . . .	52	-9	0	-.4	Las Vegas . . .	65	+7	0	-.1	Waco . . .	57	-5	T	-.5
HAWAII. Hilo . . .	76	+2	1.0	-1.9	Reno . . .	49	+5	0	-.1	Wichita Falls . . .	54	-4	0	-.4
Honolulu . . .	77	-1	.1	-.5	Winnemucca . . .	50	+9	0	-.2	UTAH. Blanding . . .	48	+5	0	-.2
Kahului . . .	75	-1	.3	-.2	N.H. Concord . . .	38	-5	.3	-.5	Salt Lake City . . .	50	+6	0	-.3
Lihue . . .	75	-1	.3	-.2	N.J. Atlantic City . . .	44	-6	0	-1.0	VT. Burlington . . .	36	-6	.9	+ .2
IDAHO. Boise . . .	50	+6	T	-.3	Trenton . . .	45	-6	T	-.7	VA. Lynchburg . . .	43	-8	0	-.6
Lewiston . . .	49	+5	.2	-.2	N.MEX. Albuquerque . . .	51	+2	0	-.1	Norfolk . . .	48	-7	T	-.6
Pocatello . . .	47	+7	0	-.2	Roswell . . .	53	+2	0	-.1	Richmond . . .	45	-8	0	-.7
ILL. Cairo . . .	43	-10	T	-.8	N.Y. Albany . . .	39	-6	.8	+ .2	Roanoke . . .	40	-11	T	-.6
Chicago . . .	39	-7	T	-.6	Binghamton . . .	35	-8	.3	-.4	WASH. Colville . . .	41	+13	0	-.4
Moline . . .	38	-7	T	-.5	Buffalo . . .	39	-6	.2	-.6	Omak . . .	41	+2	0	-.3
Peoria . . .	38	-8	T	-.5	New York . . .	48	-4	T	-.8	Quillayute . . .	51	+5	.4	-2.7
Rockford . . .	34	-10	T	-.6	Rochester . . .	39	-6	T	-.7	Seattle-Tacoma . . .	52	+5	T	-1.3
Springfield . . .	40	-7	T	-.6	Syracuse . . .	40	-6	.1	-.6	Spokane . . .	41	+2	T	-.5
IND. Evansville . . .	42	-8	0	-.7	N.C. Asheville . . .	41	-9	T	-.7	Walla Walla . . .	49	+3	.2	-.2
Ft. Wayne . . .	38	-7	T	-.6	Charlotte . . .	45	-10	0	-.6	Yakima . . .	46	+4	T	-.2
Indianapolis . . .	39	-8	0	-.7	Greensboro . . .	43	-9	0	-.6	W. Va. Beckley . . .	37	-9	T	-.6
South Bend . . .	38	-7	1.0	+ .3	Hatteras . . .	50	-10	0	-1.0	Charleston . . .	41	-9	T	-.6
IOWA. Burlington . . .	38	-8	0	-.5	Raleigh . . .	45	-9	0	-.6	Huntington . . .	42	-8	T	-.6
Des Moines . . .	40	-4	0	-.4	Wilmington . . .	50	-9	0	-.7	Parkersburg . . .	41	-9	0	-.5
Dubuque . . .	35	-7	T	-.6	N.DAK. Bismarck . . .	36	0	0	-.1	WIS. Green Bay . . .	35	-5	T	-.4
Sioux City . . .	38	-5	T	-.2	Fargo . . .	32	-4	T	-.2	La Crosse . . .	35	-7	T	-.4
KANS. Concordia . . .	44	-3	0	-.2	Williston . . .	38	-7	0	-.1	Madison . . .	36	-5	T	-.4
Dodge City . . .	48	0	0	-.2	OHIO. Akron-Canton . . .	37	-9	.1	-.5	Milwaukee . . .	36	-6	.1	-.3
Goodland . . .	43	0	0	-.1	Cincinnati . . .	38	-11	T	-.7	WYO. Casper . . .	43	+4	0	-.2
Topeka . . .	43	-5	0	-.4	Cleveland . . .	38	-8	.1	-.5	Cheyenne . . .	43	+3	0	-.2
Wichita . . .	45	-5	0	-.3	Columbus . . .	38	-9	T	-.6	Lander . . .	43	+6	0	-.3
KY. Lexington . . .	39	-10	0	-.7	Dayton . . .	39	-8	T	-.6	Sheridan . . .	42	+4	T	-.2
Louisville . . .	42	-8	T	-.7	Toledo . . .	37	-8	.1	-.4	P.R. San Juan . . .	82	+2	.7	-.6

Based on 1941-70 Normals

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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: Sunny but cool. Temperatures averaged 9° below normal. Low of 25° at Huntsville set new record. No rainfall. Fieldwork: 5.4 days suitable. Soil moisture mainly adequate. Major activities: Harvesting cotton, corn and soybeans and seeding small grains and winter grazing crops. Some freeze damage to cotton. Cotton harvest 35% complete, 34% 1975, 58% average. Corn harvest 84% complete, 77% 1975, 76% average. Soybean harvest 59% complete, 53% 1975, 56% average. Seeding small grains, 73% complete, 73% 1975, 79% average. Peanut harvest nearly complete.

ARIZONA: Warm, low humidity, no precipitation. Temperatures 2 to 10° above normal.

Cotton, sorghum harvest increasing. Land preparations small grains full swing. Corn harvest active. Sugarbeet harvest continued. Spring beets good stands. Renovation, seeding alfalfa fields complete. Lettuce harvest gaining momentum. Lettuce, cabbage, broccoli good progress. Lemon harvest continues, preparing frost control. Navel orange harvest starting, grapefruit harvest continues. Oranges sizing normally. Citrus groves good condition. Range conditions deteriorating desert valleys, lower mountains. Mountain ranges vary fair to above average. Stock water short desert, adequate higher elevations. Cattle, calves good condition. Calving, lambing active.

ARKANSAS: Cold, dry with temperatures 4 to 9° below normal. Extremes: 76 and 11°. No precipitation.

Fieldwork: 5.0 days available. Soil moisture mostly adequate. Soybean harvest 50% complete, 60% last year, same as average. Yields variable, bean size generally small. Most cotton picked first time. Harvest 67% complete, 66% year ago, average 59%. Picker efficiency low. Rice harvest 98% complete, 99% last year, same as average. Sorghum harvest 99% complete, 97% year ago, average 94%. Wheat planting 67% complete, 71% last year, average 68%. Growth fair to good. Oat planting 74% complete. Hay feeding common. Pastures generally short.

CALIFORNIA: Warm, dry weather. No precipitation. Temperatures along south coast and Cascade-Sierra areas averaged between 5 and 13° above normal while temperatures elsewhere ranged from near normal to 6° above normal.

Harvest of hay, sugarbeets, dry beans, corn, and milo continues. Burning rice stubble. Harvested cotton being ricked in fields. Rain needed for winter grains. Fruit clean-up operations continue central valley, north coast. Tangerine and kiwi harvests underway. Harvest avocados, dates, grapefruit, lemons, olives, navel oranges, persimmons, walnuts continue. Broccoli, carrots, cauliflower, lettuce volume moderate. Celery near peak levels. Cantaloup, honeydew melons peak levels Imperial. Fresh market tomato seasonally declining. Rangeland grasses suffering due to lack of moisture. Warm, dry weather caused stock water supplies to decrease. Supplemental feeding of cattle continues in many areas.

COLORADO: Fair, dry weather, except for scattered snows over higher mountains 3d. Temperatures a few degrees above normal. Nighttime minimums seasonably cool.

Winter wheat emergence 96%, 84% 1975, 95%

average. Grain sorghum harvested 80%, 88% 1975, 52% average. Forage harvested 98%, 97% 1975. Corn for grain harvested 63%, 84% 1975, 60% average. Sugarbeets harvested 87%, 93% 1975, 90% average.

FLORIDA: Unseasonable cold with temperatures 5 to 10° below normal. Record lows several locations north, northwest. Rainfall generally light north, moderate to heavy lower Peninsula.

Soil moisture adequate south, west; short central.

Cotton, soybean harvest active. Sugarcane and pecan harvest increasing. Harvest most other field crops virtually complete. Planting small grains continues. Recent cold set back early plantings. Light rains, though helpful, not sufficient to improve pastures. Cooler weather, heavy grazing continue to reduce pasture condition, particularly in Panhandle and central. Grazing varies considerably, with condition ranging poor to fair. Cattle, calves generally good condition. Citrus tree condition excellent. Rains beneficial, irrigation stopped most areas. Cool temperatures helpful. Vegetable harvest increasing. Tomato production showed large gain. All areas except Dade County harvesting. Heavy rainfall southern areas delayed planting, harvesting activities. Some wind damage, but most crops remain in good condition. Sweet corn movement increased substantially. Light, increasing supplies green peppers, lettuce, escarole-enderive, celery, snap beans available. Harvest cucumbers, eggplant remained steady. Squash increased to good volume.

GEORGIA: Temperatures 4 to 8° below normal south, 7 to 10° below normal north. Rainfall 0.75 to 1.00 in. north to 0.25 in. central to less than 0.10 in. extreme southeast. No precipitation over weekend.

Soil moisture adequate. Fieldwork: 5.0 days suitable. Increased pace harvesting and fall planting. Cotton condition remained fair to good, 91% open, 46% harvested, last year 45%. Soybeans fair to good condition, 24% combined, last year 38%. Corn mostly good, 85% harvested, last year 78%. Pecans variable condition, range poor to good, 22% vs. 33% harvested last year. Pastures remain fair to good, cattle fair to mostly good, hogs good. Winter grain planting about same pace as year ago. Wheat 50%, rye 71%, other 67%.

HAWAII: Weather hot and humid. Showers light windward areas-leeward areas dry. Winds gusty at times leeward Oahu. Some light bruising to crops exposed areas.

Vegetable supplies leafy crops continue light, others adequate. Banana supplies heavy. Papaya supplies moderate. Pineapple harvesting light. Sugar slowing; some mills closed Kauai and Maui for annual cleaning.

IDAHO: Temperatures normal to above normal. Extremes: 72 and 19°. Precipitation 0.71 in. Grangeville. South remained mostly dry.

Fall harvest complete except sugarbeets. Warm dry weather aided harvest and other fieldwork. Normal movement livestock market. Lack of soil moisture slowing germination growth fall seeded grains.

ILLINOIS: Temperatures 7 to 10° below normal.

Precipitation extremely light.

Corn 81% harvested, 90% 1975, 74% average. Long lines at elevators. Storage space scarce some areas. Grain sorghum 80% harvested. Corn and soybean acreage for 1977 40% plowed, 50% 1975, 38% average. Winter wheat seedings 7% excellent, 61% good, 28% fair, 4% poor. Pastures 20% good, 58% fair, 19% poor, 3% failure; supplying 40% livestock roughage requirements, 54% 1975, 64% average. Soil moisture 57% short, 41% adequate, 2% surplus. Fieldwork: 5.3 days suitable.

INDIANA: Cold, dry in central and south but Lake Michigan area hit by up to 72 in. snow. Temperatures 7° below normal. Lowest minimum 13°.

Fieldwork: 5 days suitable. Topsoil moisture adequate. Subsoil moisture short to mostly adequate. Corn 70% harvested, 1975 75%, average 50%. Soybeans 95% combined, 1975 95%, average 75%. Sorghum 55% harvested, 1975 75%. Wheat 95% seeded, 1975 95%. Wheat 75% emerged. Wheat stands fair to mostly good. Land for 1977 seeded crops 25% plowed, 1975 20%. Pastures lower, poor to fair.

IOWA: Cold, dry with temperatures 4 to 8° subnormal, the fifth consecutive cold week. Precipitation negligible to none.

Cool weather provided excellent harvest conditions. Soil remains dry, no significant rainfall. Fall plowing slow, with 36% completed. Harvest moving at rapid pace, corn harvest virtually complete. Fieldwork: 7 days suitable. Some slowdown in harvest due to lack of storage facilities. Corn harvest reported 98%, 94% 1975, 66% average. Topsoil moisture 83% short, 17% adequate. Subsoil moisture 97% short, 3% adequate. Pasture and hay extremely short. Livestock good condition with supplemental feed.

KANSAS: No precipitation. Temperatures ranged from 48° southwest and west central to 43 to 46° elsewhere or from 2° above normal northwest to near normal southwest and 6° below normal northeast.

Wheat seeding near completion, 95% last year. Row crops harvest made good progress. Sorghum 85% harvested, same as last year, 60% average. Corn 90% harvested, 95% last year, 65% average. Soybeans 85% harvested, same as last year, 75% average. Sugarbeet harvest active in west.

KENTUCKY: Temperatures about 41 to 42° which is 5 to 7° below normal. Rainfall at midweek averaged a trace.

Fieldwork: 4.5 days favorable. Activities centered around corn and soybean harvest, stripping tobacco, seeding small grains and plowing for spring seeded crops. Burley tobacco stripping 28% stripped compared with 20% last year and 23% average. Corn harvest continues, 74% harvested, 78% last year, 76% average. Soybean combining now 66% complete, last year 69% and average 67%. Some late double-cropped beans will not be harvested. About 81% of wheat acreage seeded, condition mostly fair to good.

LOUISIANA: Temperatures 6 to 11° below normal. Extremes: 78 and 28°.

Soil moisture short to adequate. Fieldwork: 5.4 days suitable. Cotton harvested 81%, 36% last year, 52% average. Soybeans harvested 90%, 73% year ago, 67% average. Sugarcane 32% harvested, 32% last year, 28% average. Sucrose and purity good. Some lodging. Sweetpotatoes 96% dug, 92% year earlier, 91% average. Oats 89% planted, 84% last year. Wheat 83% planted, 76% year ago. Pastures poor to fair. Cattle fair.

MARYLAND & DELAWARE: Temperatures well below normal. Daily highs and lows averaged 5 to 9° below normal. Precipitation on 30th and 31st was moderate to heavy and well distributed.

Farmers finishing corn and soybean harvest as fields dry out.

MICHIGAN: Temperatures ranged from 57 to 19°. Precipitation mostly sparse but average in the southwest, ranging from 0.01 in. central Lower to 0.49 in. northwest Lower.

Fieldwork: 5 days suitable. Grain corn 80% picked. Soybeans 90% combined. Sugarbeets virtually complete. Pasture feed short. Fall plowing 30% completed. Cauliflower complete. Cabbage behind normal at 86%.

MINNESOTA: Temperatures averaged 4° below normal. Extremes: 67 and 2°. Precipitation 0.20 in. to 0.40 in. below normal with amounts ranging from traces or none over the southwest 75% to less than 0.10 in. northeast 25%. Falling snow early in week.

Farmers wrapping up corn harvest. Fall plowing continues.

MISSISSIPPI: Temperatures 10° subnormal. Extremes: 17 and 75°.

Soil moisture short to adequate south, adequate elsewhere. Fieldwork: 5.4 days suitable. Cotton 72% harvested, 33% 1975, 60% average. Soybeans 69% harvested, 49% 1975, 52% average. Corn 85% harvested, 81% 1975, 78% average. Sorghums 95% harvested, 92% 1975, 89% average. Pecans 27% harvested, 37% 1975. Winter wheat 89% planted, 81% 1975, 72% average. Oats 91% planted, 86% 1975, 81% average. Cotton and pastures in fair to poor condition. Soybeans in fair to good condition. Livestock in fair condition.

MISSOURI: Temperatures from 4° below normal in northwest to 9° below normal in Bootheel. Precipitation averaged 0.50 to 0.75 in.

Fieldwork: 4.9 days suitable. Soybeans 84% harvested, 88% 1975, 71% normal. Corn 89% harvested, 93% 1975, 67% normal. Grain sorghum 88% harvested, 92% 1975, 71% normal. Cotton 65% harvested, 87% 1975, 67% normal. Winter wheat 84% seeded, 88% 1975. Fall plowing for spring crops 52% complete, 49% 1975. Condition of pastures 63% poor, 34% fair, 3% good. Soil moisture 63% short, 36% adequate, 1% surplus.

MONTANA: Mild week, with temperatures averaging 2 to 6° above normal. General rains in west becoming scattered and light. Dry elsewhere, with amounts well below normal. Winds gusty at times along eastern slopes.

Soils continue dry. Winter wheat condition fair to good. Harvesting all crops virtually complete. Livestock mostly on winter pastures or home feeding areas. Little or no supplemental feeding.

NEBRASKA: Temperatures above normal first, remainder of week temperatures 2 to 6° below normal east. Temperatures 3 to 5° above normal Panhandle entire period. Little or no precipitation.

Topsoil moisture supplies 92% short, 8% adequate. Subsoil moisture supplies 95% short and 5% adequate. Corn for grain 85% harvested, 70% normal and 95% 1975. Sorghum 95% harvested, 85% normal, 100% 1975. Soybean harvest virtually complete, 95% normal and 100% 1975. Sugarbeet harvest virtually complete. Wheat condition 6% poor, 50% fair, 38% good, and 6% excellent. Moisture needed. Cattle continue to glean stalk fields. Supplemental feed required on short pastures.

NEVADA: No precipitation. Sunny with above normal temperatures. Extremes: 12 and 85°.

Cotton harvest started. Range cattle and sheep off summer grazing areas in mostly good condition.

NEW ENGLAND: Temperatures variable. Cold early, warming late. Precipitation amounted from 0.30 in. in southern areas to 1.00 in. in northern areas with several inches of snow in northern mountainous areas.

NEW JERSEY: Temperatures 9 to 11° below normal averaging 39° north, 43° south and 43° coastal areas. Extremes: 21 and 62°. Precipitation 0.50 to 0.70 in. below normal averaging 0.24 in. north, trace south and zero in coastal sections.

Scattered harvest of hearty vegetables continues. Harvest of corn and soybeans continues as weather conditions permit.

NEW MEXICO: Totally dry week.

Soil moisture short in north, adequate in south. Ranges mostly good, livestock good. Cotton 40% harvested compared to 20% last year. Corn 95% harvested, grain sorghum harvest 80% complete. Irrigated winter wheat good, 95% acceptable stand. Dryland fair, 70% acceptable stand. Limited grazing of wheat. Very little pecan harvest to date.

NEW YORK: Colder than normal. Average high temperatures in 40's. Warming trend midweek. General snow on 5th, several inches many Upstate areas.

Poor drying conditions for grain corn.

NORTH CAROLINA: Temperatures averaged 7 to 10° below normal. Precipitation very light.

Fieldwork: 4.9 days suitable. Soil moisture 10% short, 85% adequate, 5% surplus. Corn for grain 89% harvested, 1975 88%, average 81%. Soybeans 22% harvested, 1975 22%. Cotton 44% picked, 1975 50%, average 56%. Sorghum grain 80% harvested, 1975 73%. Wheat 42% planted, 1975 62%, average 59%. Oats, barley, rye 50 to 60% planted. Pasture, small grain conditions average fair to good.

NORTH DAKOTA: Temperatures ranged 3 to 9° above normal. Extremes: 70 to 11°. Precipitation ranged 0.51 to 0.21 in. below normal. Weekend partly cloudy and mild temperatures.

Harvest of all crops virtually completed. Pasture and ranges poor.

OHIO: Temperatures below normal. Low 19°, high mid to upper 50's. Precipitation light 0.44 in. to 0.05 in.

Fieldwork: 5 days favorable. Main activities corn, soybean, sugarbeet, and popcorn harvest. Limited fertilizing and fall plowing. Weaning and sizing calves for feeder sales. High moisture in corn; warm weather needed. Seasonal wait at mills, no unusual transportation problems. Harvest completed: Corn 65%, same as average, 70% last year. Soybeans 95%, 92% 1975, 85% average. Sugarbeets 75%, 65% 1975, 70% average. Popcorn 80%, same as 1975, 70% average. Tobacco 10% stripped, on schedule. Winter wheat stands fair to mostly good, cold weather slowed germination. Pasture condition fair to good. Soil moisture adequate, surplus some area.

OKLAHOMA: Temperatures averaged from 2° below normal Panhandle to 8° below normal southeast. Precipitation averaged from 0.05 in. Panhandle to 1.22 in. west central. Weekend cool to mild and dry.

Only moderate harvest progress made on fall crops as soils dried after rains. Wheat seed in wind-up stage with 90% up to stand, the same as average. All small grains good to fair condition. Corn harvest 95% complete, under 90% year ago. Sorghum harvest reached 75% mark, same as year earlier, ahead of 50% average. Cotton harvest gaining with 12% stripped, near average, ahead of year ago. Peanut digging 80% complete, compared with near 90% year ago, 60% average. Soybean harvest lagging year ago with just over 33% acreage combined. Ranges in only fair to poor condition but wheat grazing prospects brighter. Cattle mostly good condition.

OREGON: Temperatures 4 to 8° above normal. Extremes: low 70's, low 30's. Precipitation light to moderate with nearly all rain occurring during week. Amounts vary from 1.00 in. along coast to 0.75 in. in Willamette Valley and 0.10 to 0.30 in. in east.

Fall seeding and land preparation continued but nearly finished. Some corn silage harvest continues. Fruit harvest virtually complete. Apple orchards being cleaned up; apple quality good. Filberts nearly harvested, walnuts being harvested. Nut crop appears light. Potato harvest winding down. Range and pastures in fair condition. Feed supplies good. Cattle in good flesh.

PENNSYLVANIA: Cool, windy and mostly dry. Temperatures 5 to 10° below normal. Daily temperatures mostly in 20's to 40's with extremes of 12 and 58°. Light precipitation several days totaled from less than 0.10 in. in the south to 0.50 in. in the northeast. Snow 5th with accumulations of trace in the eastern half to 12 in. in some northwestern areas.

Limited field activities included corn harvest and sowing small grains plus digging potatoes.

PUERTO RICO: Island rainfall 2.06 in. or 0.45 in. above normal. Temperatures about 80° on coasts and 74° interior. Extremes: 92 and 54°.

Rains hindered fieldwork in some sugarcane, tobacco and food crop areas. Coffee harvest and drying of bean delayed some western interior zones due heavy rains. Pasture planting, cultivating and fertilizing main activities. Generally pastures in good condition.

SOUTH CAROLINA: No rain. Temperatures well below normal. Highs mostly in 60's, lows from 20 to 40°.

Soil moisture adequate. Corn, cotton, soybean, peanut, sorghum harvest continues. Seeding small grains, winter grazing continues. Growers preparing tobacco beds for 1977 crop. Corn harvested 97% 1976, 94% 1975, 89% average. Cotton harvested 52% 1976, 69% 1975, 67% average. Soybeans harvested 14% 1976, 22% 1975, 22% average. Peanuts 94% harvested. Wheat planted 32% 1976, 36% 1975, 31% average. Oats planted 52% 1976, 51% 1975, 44% average.

SOUTH DAKOTA: No precipitation. Moisture situation critical. Yearly moisture deficit range up to 13.50 in. east, up to 3.00 in. below normal west. Temperatures warm first of week, below normal by weekend.

No improvement in topsoil moisture supplies. Crop season complete. Most fall sown grains dormant. Wind erosion expected this winter where fall grains haven't developed. More chisel plowing done this fall than in past. Cattle sales continue as feed supplies are depleted. Large hay shipments continue to move into the State to

supplement livestock feed.

TENNESSEE: Sunny with only brief cloudiness. A few hundredths inch of rain fell in parts of Cumberland Plateau, otherwise very little rain. Temperatures cold averaging low to middle 40's or 10° below normal. Precipitation averaged 0.75 in. below normal.

Corn, cotton and soybean harvest resumed as rain soaked-fields dried out. High moisture content of crops and muddy lowlands delayed harvest. Warm, dry weather needed for harvest operations. Fieldwork: 4.4 days suitable. Soil moisture adequate. Corn 65% harvested, 70% last year, 71% average. Cotton harvest resumed but 2 weeks behind normal. Cotton 85% open bolls, 90% last year, 90% average. Cotton 48% harvested, 54% last year, 60% average. Soybeans 50% harvested, same as last year and average. Burley tobacco 60% stripped, 55% last year, 60% average. Fall plowing 85% completed, 85% last year, 87% average. Wheat 77% seeded, 73% last year, 77% average. Oats 92% seeded, 90% last year, 94% average. Barley 93% seeded, 90% last year, 95% average.

TEXAS: Northwest temperatures near normal. Upper Gulf Coast temperatures 5 to 8° below normal. No precipitation. Normal rainfall ranges from 0.10 in. far west to over 0.05 in. east.

Harvest again delayed by wet soils, gained momentum as fields dried. Cotton harvest full swing on High Plains, slow in north. Quality on Low Plains better than expected. Sharp freeze needed on southern Low Plains to complete defoliation. Harvest now 20% lags behind 32% in 1975 and 28% average. Corn harvest nearly 96% complete, last year 99%, average 92%. Sorghum harvest on northern plains advanced rapidly, combining on wet southern plains slow. Harvest 94% complete, well ahead of 83% average, behind 97% last year. Peanut harvest 86%, an increase of 22% points in one week. Soybean combining active. Harvest 59% complete, 83% last year, 54% average. Rice 2d cutting nearing completion. Wheat seeding nearing completion on High Plains, delayed north by wet. Planting now 86% complete, 94% last year, 95% average. Early stands most areas look good.

Citrus harvest active. Cool temperatures, wet conditions slowed growth of vegetables. Carrot, cabbage, lettuce harvests resumed following interruption from wet fields. Pecan harvest active most areas.

Good soil moisture supply except northern High Plains where soil moisture remains short. Supplemental feeding cattle after heavy frost stopped growth. Cattle good, screwworm activity declines.

UTAH: No measurable precipitation. Average temperatures ranged from near normal to 8° above.

Harvest of corn for grain virtually completed. Grading, sorting, and marketing potatoes, dried onions, and apples in progress. Breeding ewes on fall and winter ranges in progress.

VIRGINIA: Temperatures several degrees below normal. Extremes: 73 and 14°. Light rainfall early in period averaging 0.50 in.

Fieldwork: 3.6 days suitable. Topsoil mois-

ture: 1% short, 74% adequate, 25% surplus. Wet fields hampering fall crop harvest and small grain seeding. Corn for grain 67% harvested; 77% 1975; 67% average. Soybean harvest 28% complete; 33% 1975; 33% average. Peanut digging 91% complete; 82% combined; 90% 1975, 80% average. Pastures good condition. Grain sorghum harvest 21% complete; 46% 1975. Small grain seeding progress: Wheat 56% ; 68% 1975; 63% average Barley 79%; 83% 1975. Oats 80%; 86% 1975. Harvest of small cotton acreage started.

WASHINGTON: West: Temperatures averaged 5° above normal west Olympic Coastal area and 1° elsewhere. Precipitation from 1.40 in. below normal west Olympic Coastal area to 0.40 in. below normal east Cascade foothills.

Sweet corn nearly complete. Potatoes winding down. Wine grape harvest nearly finished. Pastures slowed; cattle moving to winter feeding programs.

East: Temperatures averaged from 2° above normal Okanogan to 4° above normal central basin. Precipitation averaged 0.10 in. below normal central basin to 0.30 in. below normal northeast.

Red Delicious tree ripened apples packed for shipment. Orchards being cleaned, mowed. Sugarbeets, potatoes, grain corn harvest continues. Cattle on lower ranges stubble, crop residues. Seeding fall grains continue. Early seeded fields and fields seeded on summer fallow look good; later seeding and recrop areas spotty. Greenbug spraying. Cattle remain on mountain ranges until snow falls. Culls, spring calves to market. Fall calving begun.

WEST VIRGINIA: Temperatures averaged well below normal. Precipitation near normal south and northeast, above normal elsewhere. Measurable snow in higher elevations 4th and 5th.

Fieldwork: 4.6 days suitable. Picking corn, marketing cattle and general chores were the main activities. Soil moisture 62% adequate and 38% surplus. Freeze hastened corn drying. Late wheat and barley may not be sown due to cool damp conditions. Some corn picked by hand or hogged off.

WISCONSIN: Temperatures averaged below normal. Mild early with 60° south on 2d. Cold Canadian air moved into northwest late 2d. Temperatures in upper 30's and low 40's until reaching 50 south 6th. Sharply colder 7th with daytime highs in 30's and overnight lows in single digits. Precipitation light, spotty rain north and central 1st. Snow flurries north 2d, heavier snow squalls near Lake Michigan and Superior 4th and 6th.

Crop harvest near end. Corn for grain 90% harvested, 1975 85%, normal 65%. Soybeans 98% done, 1975 98%, normal 70%. Fall plowing 33% done, 1975 55%, normal 60%. Soil moisture 100% short.

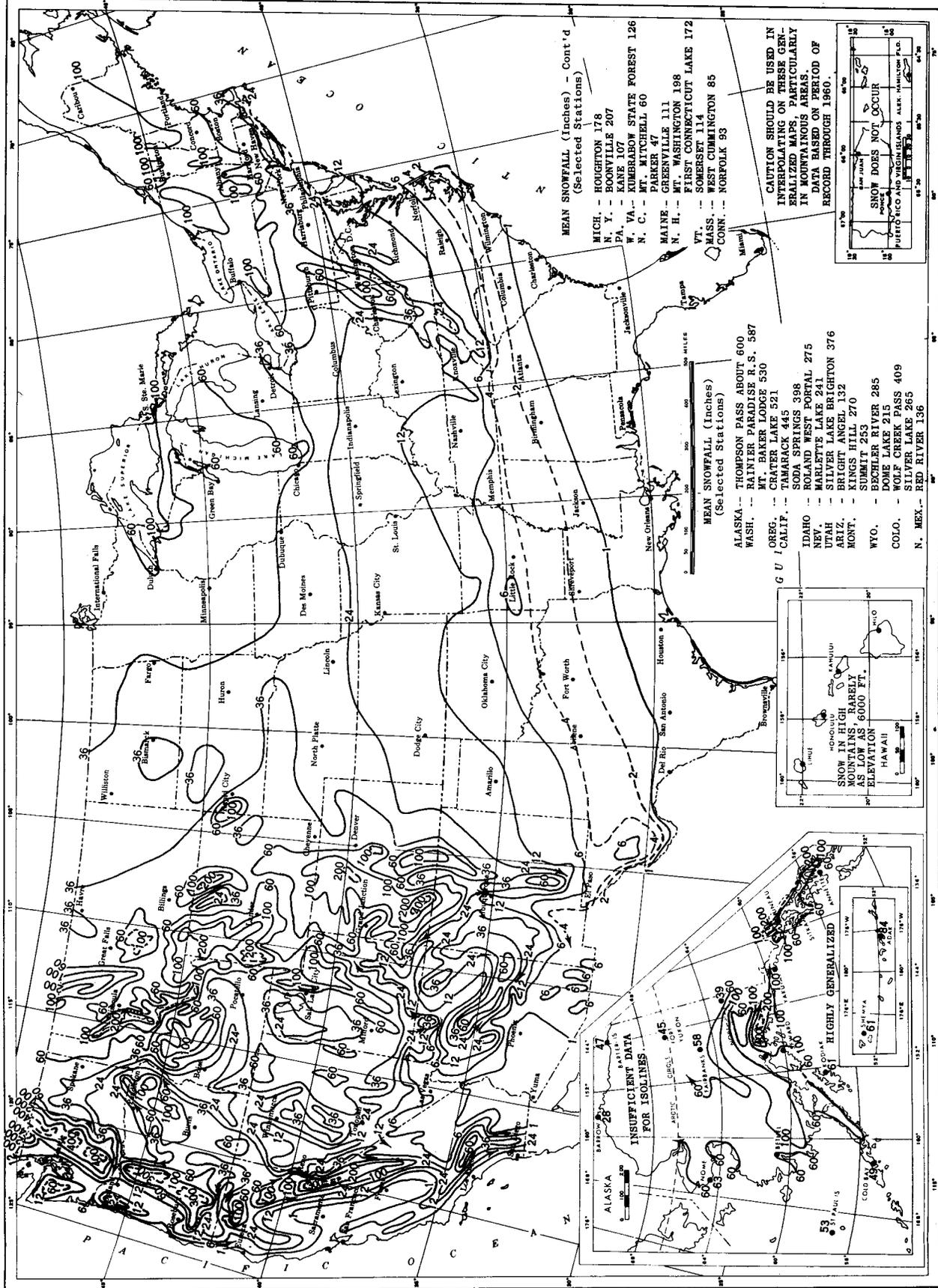
WYOMING: Temperature averaged above normal. Precipitation below normal. Majority of stations recording no moisture.

Soil moisture short. Sugarbeets 99% dug. Potatoes 96% dug. Corn for grain 54% in the bin. Winter wheat prospects fair to good. Major activities: Livestock movement, fall plowing, fence mending and general winter preparations.

CLIMATIC MAPS OF THE UNITED STATES*

MEAN ANNUAL TOTAL SNOWFALL (Inches)

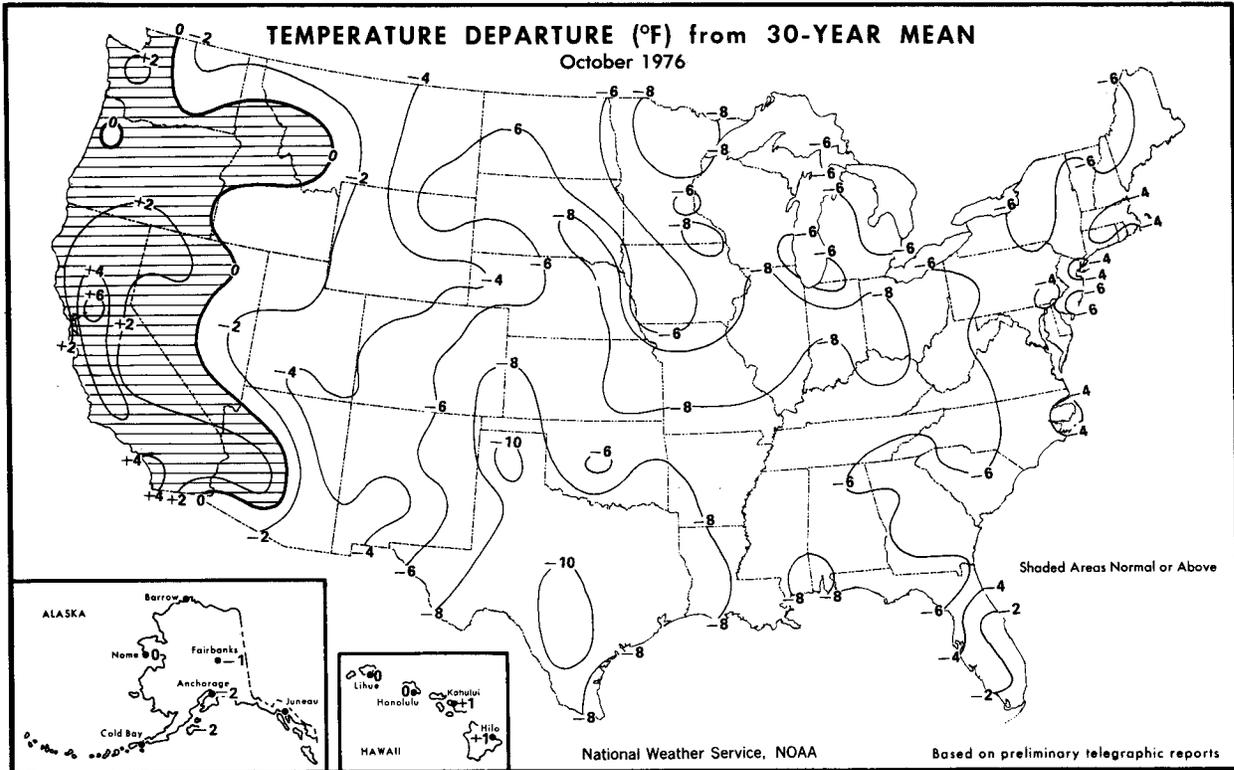
U. S. DEPARTMENT OF COMMERCE ENVIRONMENTAL DATA SERVICE



*Note. --- Formerly Sheet of the National Atlas of the United States Revised 1968

For sale by the Superintendent of Documents, U. S. Government Printing Office Washington, D.C. 20402 - Price 5 cents

Prepared by Office of Data Information



October Weather Summary

HIGHLIGHTS: From the western portion of the Rocky Mountains to the East Coast, the U.S. was much colder than normal during the month of October. From Minnesota southward through Texas average temperatures for the month were 7 to 10° below normal. On through the East Coast averages were 5 to 8° below normal. This was the coldest October in recent years. There were no totally dry areas in the Nation but the northern Plains generally received less than 25% of the normal precipitation and the extreme drought continues there. Many areas in the Pacific Northwest recorded much below normal amounts of precipitation.

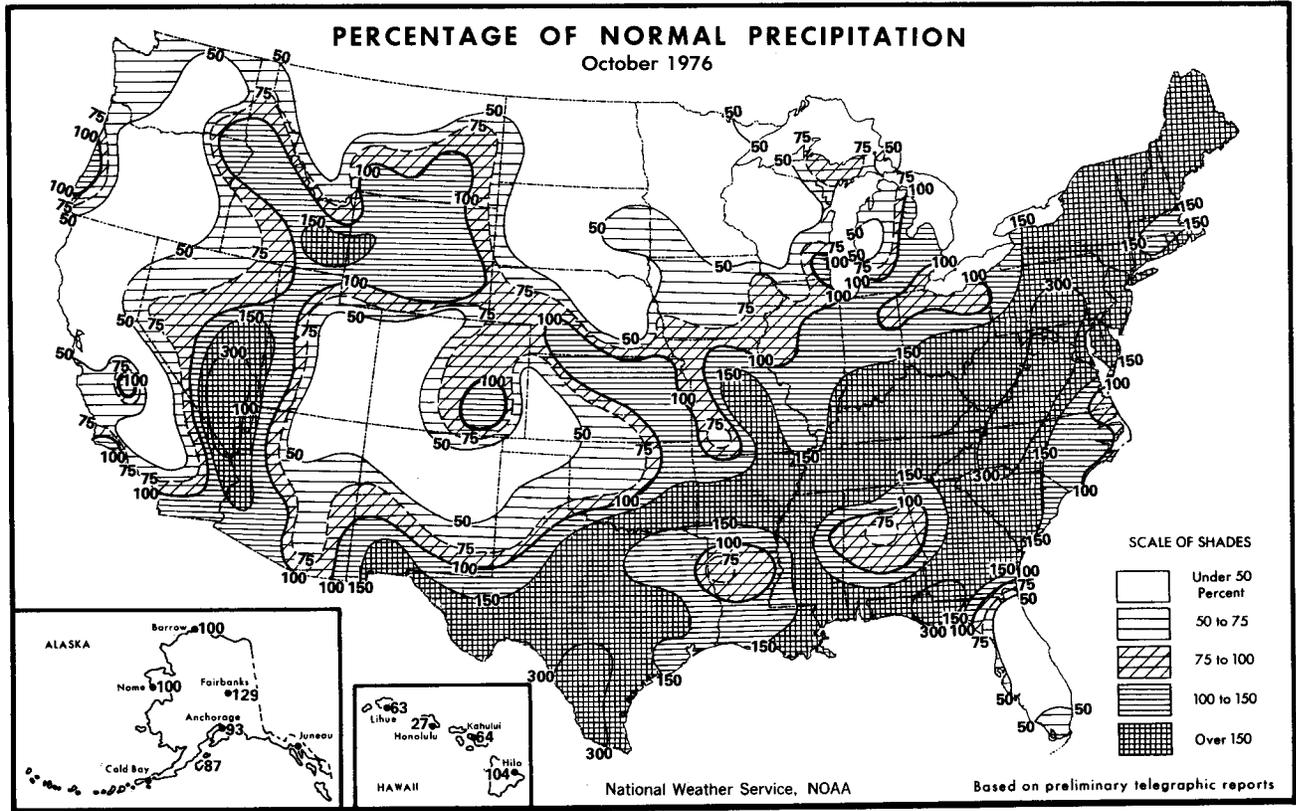
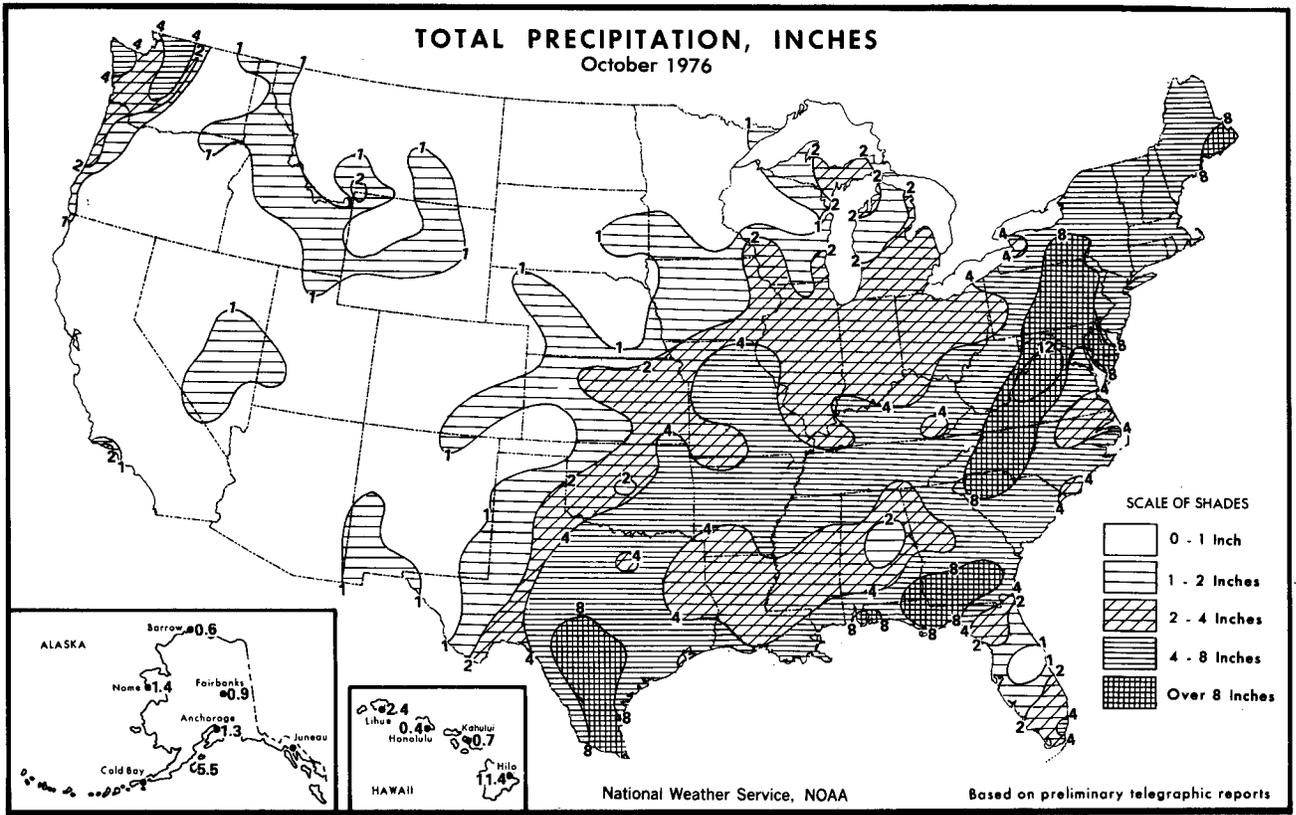
October began with moderate temperatures over most of the Nation but after the first few days a cold outbreak began in the northern Rocky Mountains and spread south and east. By the week ending October 10th all but the extreme East and West were colder than normal. The Plains, from Minnesota to Texas, averaged 9 to 12° below normal. Many record cold temperatures were set. Moderate rain fell from southern Texas into Missouri where over 2 inches accumulated. However rain was heavier in the East. From the Florida Panhandle into South Carolina and then on both sides of the Appalachians 2 to 6 inches were totaled during the week. Flooding was common from western North Carolina to south central Pennsylvania.

During the mid-month week ending October 17th the cold air encompassed all of the Nation east of the Rocky Mountain Plateau. Although some warming took place in the Plains early in the week another outbreak of cold air into the northern Plains at midweek sustained the colder than normal weather. Southerly winds warmed western U.S. to 4 to 6° above normal. Precipitation was generally light over the Nation during the week. Exceptions were the south and southeast coastal

areas where over 2 inches accumulated. Snow was reported from the northern Rockies through the Great Lakes and into western New York.

Cold air continued to flow into the U.S. during the week ending October 24th and to spread over nearly all of the Country. The only exception was in the Valley and deserts of California where strong winds off the mountains warmed the area to above normal temperatures. Some parts of the northern Plains averaged over 15° below normal for the week. A low pressure system formed in the Gulf of Mexico early in the week and pushed moisture northward into east Texas, the middle Mississippi Valley and the Ohio Valley before it moved northeastward and brought moderate, occasionally heavy, rain to eastern U.S. At the end of the week another fall storm was moving into the Pacific Northwest bringing with it strong winds, numerous rain showers and snow at higher elevations. Snow showers again accounted for light precipitation from Montana eastward and for moderate amounts in western New York.

Early in the last week of October the new storm from the Northwest pushed rapidly southeastward and another moisture laden low pressure system formed in the south and moved rapidly northeastward. Heavy rain was not widespread but some local areas received over 1.00 in. in a few hours. A large cold high pressure system settled over central U.S. and brought some of the season's coldest weather to most areas east of the Rockies. Record temperatures were set as far south as Augusta, Ga. where 26° was measured. The cold air circulated from the north in eastern U.S. then westward across the Gulf and into Texas where it was lifted in the foothills and high plains to produce a record snowfall for so early in the year. Amarillo, Tex. measured nearly 4 inches of snow in the last three days of the month.



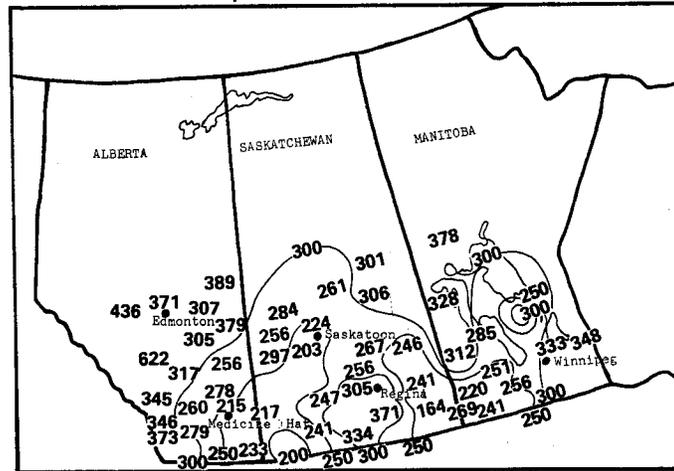
Temperature and Precipitation Data for October 1976

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 . . .	57	- 6	1.6	-1.0	La.Baton Rouge . . .	62	- 7	3.1	+ .4	Youngstown . . .	46	- 7	2.4	- .5
Mobile . . .	61	- 8	5.7	+3.1	Lake Charles . . .	62	- 8	4.5	+1.0	OKLA.Okla. City . . .	57	- 5	1.8	- .8
Montgomery . . .	60	- 6	1.8	- .4	New Orleans . . .	64	- 6	5.1	+2.8	Tulsa . . .	56	- 7	2.6	- .6
ALASKA.Anchorage . . .	33	- 2	1.3	- .1	Shreveport . . .	60	- 8	2.1	- .8	OREG.Astoria . . .	53	0	3.0	-3.8
Barrow . . .	--	--	.6	0	MAINE.Caribou . . .	39	- 5	5.5	+2.2	Burns . . .	48	+ 1	.1	- .8
Fairbanks . . .	24	- 1	.9	+ .2	Portland . . .	44	- 5	5.4	+2.1	Medford . . .	54	+ 1	.2	-1.9
Juneau . . .	--	--	--	--	MD.Baltimore . . .	53	- 4	8.1	+5.3	Pendleton . . .	53	0	.5	- .6
Kodiak . . .	39	- 2	5.5	- .8	MASS.Boston . . .	52	- 3	4.2	+1.2	Portland . . .	55	+ 1	1.5	-2.1
Nome . . .	29	0	1.4	0	Chatham . . .	51	--	7.1	--	Salem . . .	52	- 1	1.5	-2.5
ARIZ.Flagstaff . . .	47	0	.7	- .7	MICH.Alpena . . .	43	- 4	2.1	+ .1	PA.Allentown . . .	50	- 4	5.7	+3.0
Phoenix . . .	74	+ 2	.7	+ .2	Detroit . . .	47	- 6	2.0	- .5	Erie . . .	48	- 4	4.1	+ .9
Tucson . . .	68	- 2	.4	- .3	Flint . . .	47	- 4	3.2	+1.0	Harrisburg . . .	52	- 4	9.9	+7.3
Winslow . . .	53	- 4	.4	- .3	Grand Rapids . . .	46	- 6	2.0	- .6	Philadelphia . . .	54	- 3	4.3	+1.8
Yuma . . .	75	- 1	.4	+ .1	Houghton Lake . . .	42	- 6	1.3	-1.3	Pittsburgh . . .	46	- 7	3.8	+1.3
ARK.Fort Smith . . .	55	- 8	5.4	+1.9	Lansing . . .	45	- 7	2.3	0	Scranton . . .	48	- 5	8.1	+5.3
Little Rock . . .	57	- 5	6.5	+3.5	Marquette . . .	43	- 6	2.2	- .2	R.I. Providence . . .	49	- 5	6.5	+3.2
CALIF.Bakersfield . . .	71	+ 4	.1	- .2	Muskegon . . .	46	- 6	1.3	-1.4	S.C. Charleston . . .	61	- 3	4.1	+1.0
Eureka . . .	54	0	.3	-2.9	S. Ste. Marie . . .	41	- 5	1.4	-1.5	Columbia . . .	59	- 3	5.2	+2.6
Fresno . . .	65	+ 1	1.6	+1.2	MINN.Duluth . . .	37	- 8	.5	-1.8	Greenville . . .	56	- 6	8.5	+5.3
Los Angeles . . .	71	+ 3	.2	- .1	Internat'l Falls . . .	36	- 8	.8	- .9	S.D. Aberdeen . . .	43	- 5	.3	- .9
Red Bluff . . .	68	+ 3	.1	-1.1	Minneapolis . . .	45	- 5	.5	-1.3	Huron . . .	42	- 8	1.3	- .2
San Diego . . .	71	+ 5	.4	+ .1	Rochester . . .	42	- 8	.6	-1.2	Rapid City . . .	45	- 5	.2	- .7
San Francisco . . .	61	0	.3	- .7	St. Cloud . . .	40	- 8	.4	-1.3	Sioux Falls . . .	44	- 6	.7	- .8
Stockton . . .	68	+ 4	.3	- .4	MISS.Jackson . . .	60	- 6	3.5	+1.3	TENN.Chattanooga . . .	56	- 5	3.6	+ .6
COLO.Denver . . .	48	- 4	.9	- .2	Meridian . . .	58	- 7	2.5	+ .3	Knoxville . . .	55	- 6	5.3	+2.6
Grand Junction . . .	51	- 4	.3	- .6	MO.Columbia . . .	50	- 8	6.1	+2.7	Memphis . . .	59	- 4	5.7	+3.1
Pueblo . . .	48	- 7	1.0	0	Kansas City . . .	51	- 8	2.8	- .4	Nashville . . .	54	- 7	5.2	+3.0
CONN.Bridgeport . . .	53	- 4	6.6	+3.8	St. Louis . . .	51	- 8	3.4	+ .6	TEX.Abilene . . .	57	- 9	6.2	+3.6
Hartford . . .	50	- 3	4.1	+1.1	Springfield . . .	52	- 7	2.4	-1.0	Amarillo . . .	50	-10	1.1	- .7
D.C.Washington . . .	55	- 5	7.8	+5.1	MONT.Billings . . .	46	- 3	.9	0	Austin . . .	61	- 9	5.9	+2.9
FLA.Apalachicola . . .	64	- 7	7.6	+4.7	Glasgow . . .	42	- 4	.2	- .4	Beaumont . . .	62	- 8	5.2	+1.5
Daytona Beach . . .	70	- 3	1.9	-3.6	Great Falls . . .	47	- 1	.2	- .5	Brownsville . . .	70	- 6	8.4	+5.1
Ft. Myers . . .	73	- 3	2.0	-2.4	Havre . . .	44	- 3	.2	- .5	Corpus Christi . . .	67	- 7	6.8	+4.0
Jacksonville . . .	65	- 6	1.6	-2.9	Helena . . .	45	0	T	- .6	Dallas . . .	63	- 8	3.2	+1.1
Key West . . .	79	- 1	3.2	-2.4	Kalispell . . .	41	- 2	.4	- .8	Del Rio . . .	59	- 5	1.2	+ .4
Lakeland . . .	71	- 3	.5	-2.3	Miles City . . .	44	- 5	.8	+ .1	El Paso . . .	60	- 8	3.5	+ .8
Miami . . .	76	- 2	4.4	-3.8	Missoula . . .	44	0	.3	- .6	Fort Worth . . .	65	- 8	3.8	+1.0
Orlando . . .	73	- 1	.7	-3.4	NEBR.Grand Island . . .	47	- 7	.1	-1.0	Galveston . . .	61	-10	5.8	+1.7
Tallahassee . . .	63	- 6	11.8	+8.9	Lincoln . . .	47	- 8	.3	-1.2	Houston . . .	54	- 7	1.4	- .7
Tampa . . .	71	- 4	1.3	-1.2	Norfolk . . .	46	- 7	.4	- .9	Lubbock . . .	58	- 8	1.8	+ .4
W.Palm Beach . . .	76	- 1	3.8	-5.0	N.Platte . . .	45	- 6	1.2	+ .2	Midland . . .	59	- 8	5.1	+3.2
GA.Atlanta . . .	56	- 6	3.6	+1.1	Omaha . . .	49	- 5	1.4	- .4	San Angelo . . .	61	-10	8.5	+5.7
Augusta . . .	60	- 4	5.1	+2.9	Valentine . . .	44	- 5	4.4	- .5	San Antonio . . .	64	- 8	6.2	+2.6
Macon . . .	62	- 4	3.9	+1.6	NEV.Ely . . .	44	- 2	1.5	+ .9	Waco . . .	61	- 8	5.2	+2.6
Savannah . . .	63	- 4	4.8	+2.0	Las Vegas . . .	67	0	.7	+ .5	Wichita Falls . . .	58	- 8	6.0	+3.3
HAWAII.Hilo . . .	76	+ 1	11.4	+ .4	Reno . . .	51	+ 1	.3	- .1	UTAH.Blanding . . .	49	- 3	.2	-1.2
Honolulu . . .	79	0	.4	-1.1	Winemucca . . .	50	+ 2	.4	- .3	Salt Lake City . . .	51	- 1	.6	- .6
Kahului . . .	78	+ 1	.7	- .4	N.H.Concord . . .	45	- 4	4.1	+1.4	VT.Burlington . . .	44	- 5	4.3	+1.6
Lihue . . .	77	0	2.4	-1.4	N.J.Atlantic City . . .	51	- 6	6.5	+3.0	VA.Lynchburg . . .	53	- 5	11.4	+8.8
IDAHO.Boise . . .	51	- 1	.5	- .3	Trenton . . .	52	- 5	5.5	+3.0	Norfolk . . .	58	- 4	2.9	- .2
Lewiston . . .	54	+ 2	1.1	0	N.MEX.Albuquerque . . .	53	- 5	T	- .8	Richmond . . .	54	- 5	7.0	+4.1
Pocatello . . .	47	- 1	1.8	+1.0	Roswell . . .	56	- 4	.7	- .5	Roanoke . . .	50	- 8	9.7	+6.5
ILL.Cairo . . .	56	- 6	2.7	0	N.Y.Albany . . .	47	- 4	5.7	+3.1	WASH.Colville . . .	45	- 1	.7	- .7
Chicago . . .	49	- 6	2.3	- .3	Binghamton . . .	44	- 6	6.3	+3.3	Omak . . .	--	--	--	--
Moline . . .	47	- 7	2.1	- .6	Buffalo . . .	46	- 6	3.6	+ .6	Quillayute . . .	51	0	6.1	-5.5
Peoria . . .	47	- 8	2.5	0	New York . . .	55	- 3	4.6	+1.6	Seattle-Tacoma . . .	55	+ 3	2.1	-1.8
Rockford . . .	45	- 8	1.9	-1.0	Rochester . . .	48	- 4	4.7	+2.1	Spokane . . .	47	- 1	.6	- .8
Springfield . . .	49	- 8	3.0	- .1	Syracuse . . .	47	- 6	6.5	+3.4	Walla Walla . . .	54	0	1.6	+ .1
IND.Evansville . . .	52	- 6	4.8	+2.3	N.C.Asheville . . .	52	- 5	5.6	+2.3	Yakima . . .	50	0	.1	- .5
Ft. Wayne . . .	47	- 7	2.5	- .3	Charlotte . . .	56	- 6	8.3	+5.6	W.Va.Beckley . . .	46	- 7	5.9	+3.4
Indianapolis . . .	49	- 7	2.8	+ .3	Greensboro . . .	53	- 6	8.6	+5.7	Charleston . . .	50	- 7	5.4	+2.9
South Bend . . .	48	- 5	3.2	+ .1	Hatteras . . .	62	- 3	4.6	- .2	Huntington . . .	50	- 7	5.5	+3.4
IOWA.Burlington . . .	48	- 7	2.4	- .6	Raleigh . . .	56	- 4	4.0	+1.2	Parkersburg . . .	50	- 7	5.0	+2.9
Des Moines . . .	49	- 5	1.1	-1.0	Wilmingon . . .	61	- 4	3.3	0	WIS.Green Bay . . .	43	- 6	.8	-1.1
Dubuque . . .	45	- 7	2.4	- .4	N.DAK.Bismarck . . .	41	- 6	.2	- .6	La Crosse . . .	45	- 7	.3	-1.8
Sioux City . . .	45	- 8	.4	-1.2	Fargo . . .	40	- 7	.2	- .9	Madison . . .	44	- 6	1.5	- .7
KANS.Concordia . . .	51	- 6	1.9	+ .1	Williston . . .	41	- 5	.3	- .3	Milwaukee . . .	46	- 5	2.8	+ .8
Dodge City . . .	51	- 7	.8	- .9	OHIO.Akron-Canton . . .	47	- 6	2.3	- .1	WYO.Casper . . .	44	- 4	1.2	+ .3
Goodland . . .	46	- 7	.4	- .6	Cincinnati . . .	49	- 8	3.8	+1.6	Cheyenne . . .	43	- 5	.2	- .8
Topeka . . .	50	- 8	3.0	+ .3	Cleveland . . .	48	- 6	2.5	- .1	Lander . . .	44	- 3	1.7	+ .5
Wichita . . .	52	- 8	1.8	- .7	Columbus . . .	48	- 6	2.9	+1.0	Sheridan . . .	42	- 6	1.0	0
KV.Lexington . . .	50	- 8	3.9	+1.8	Dayton . . .	48	- 8	2.8	+ .9	P.R.San Juan . . .	83	+ 2	7.7	+2.1
Louisville . . .	52	- 6	4.0	+1.6	Toledo . . .	46	- 7	2.1	- .1					

Based on 1941-70 Normals

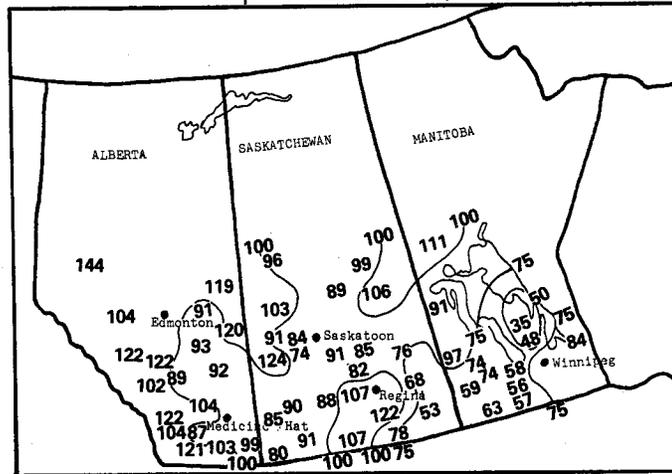
TOTAL PRECIPITATION (mm)

April 1- November 1, 1976



PERCENT OF NORMAL PRECIPITATION

April 1- November 1, 1976



World Weather and Crop Update

AMERICAS. Rain benefitted winter wheat forage, and spring-sown crops in Argentina, Uruguay, and Brazil's Rio Grande do Sul. On the other hand, continued wet weather reduced wheat prospects in Brazil's Parana State where harvest is in progress.

Reports from Mexico indicate October's Hurricane Liza dropped more rain on parts of Baja, California than received in the last four years. Culican, Sinoloa, received five inches in one day. The rains damaged summer crops, especially soybeans, but they were a bonanza to storage water and improved prospects for winter crops.

EUROPE. Wet weather continued to raise havoc in much of Europe where drought monopolized the news only several weeks ago. Italy took the brunt of excessive rainfall and flooding that further delayed harvesting. Winter grains responded well to the rains and growth of forage crops eased the drain on winter feed reserves. Rain also fell in the Mediterranean countries of Africa... timely for winter grains there.

USSR. Temperatures moderated in the west after an unusually cold October. Harvest and tillage activities are drawing to a close except in Central Asia and Transcaucasia. Bitter cold persisted east of the Urals where vegetation was protected by extensive snow cover more typical of December.

ASIA. Showers swept along India's Bay of Bengal coast; otherwise, fair weather predominated. In the Peoples Republic of China rather chilly weather gripped the north including a little snow in the Peking vicinity and Manchuria provinces. Greatest amounts of precipitation fell south of latitude 30°. The weather favored harvest progress.

Australia experienced relatively dry weather except along the northeast coast. Showers occurred in southern grain areas but they were less intense than those of recent weeks. Considerable rain soaked New Zealand north to south.

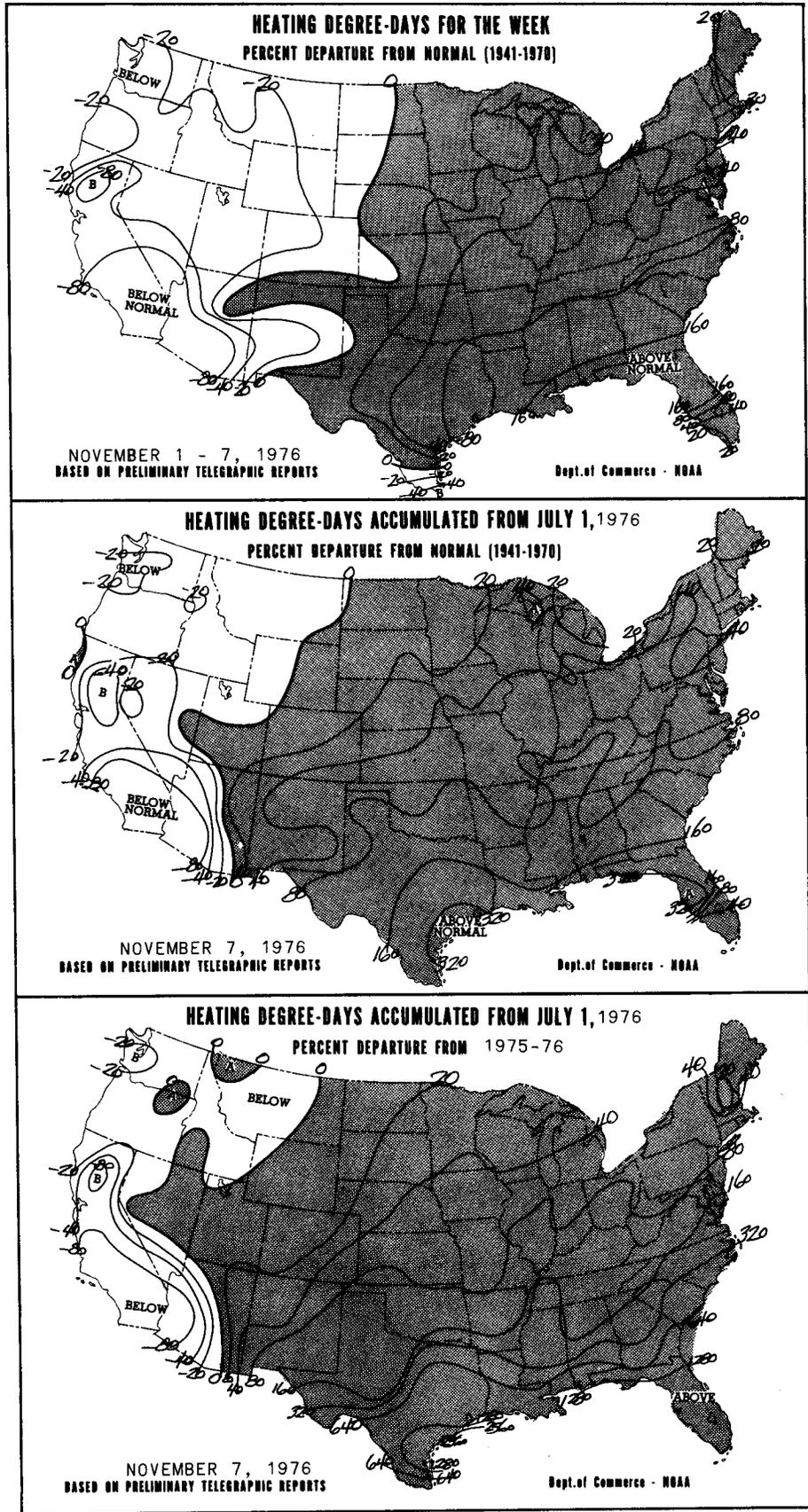
Locally heavy showers and thunderstorms occurred in Thailand where rice transplanting neared completion.

HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING NOV. 7, 1976.

STATES AND STATIONS	WEEKLY			SEASONAL ACCUMULATION +			STATES AND STATIONS	WEEKLY			SEASONAL ACCUMULATION +			STATES AND STATIONS	WEEKLY			SEASONAL ACCUMULATION +		
	TOTAL	DEPARTURE*	DEPARTURE FROM 1975-76	TOTAL	DEPARTURE*	DEPARTURE FROM 1975-76		TOTAL	DEPARTURE*	DEPARTURE FROM 1975-76	TOTAL	DEPARTURE*	DEPARTURE FROM 1975-76		TOTAL	DEPARTURE*	DEPARTURE FROM 1975-76	TOTAL	DEPARTURE*	DEPARTURE FROM 1975-76
ALA. BIRMINGHAM...	132	62	388	166	227	179	MAINE CARIBOU...	237	38	1618	202	307	YOUNGSTOWN...	204	63	1065	369	429		
MOBILE...	252	176	232	176	232	179	PORTLAND...	179	24	1223	272	320	OKLA. OKLAHOMA CITY...	99	17	431	179	212		
MONTGOMERY...	115	64	303	153	251	251	MD. BALTIMORE...	136	33	565	172	324	TULSA...	112	33	450	208	223		
ARIZ. FLAGSTAFF...	124	53	990	145	14	14	MASS. BOSTON...	130	20	611	102	255	OREG. ASTORIA...	89	31	801	224	213		
PHOENIX...	124	53	990	145	14	14	MICH. ALPENA...	203	24	1177	25	128	BURNS...	129	31	933	141	111		
TUCSON...	124	53	990	145	14	14	DETROIT...	191	49	905	244	308	MEDFORD...	117	31	554	105	70		
WINSTON...	124	53	990	145	14	14	FLINT...	184	29	970	160	344	PENDLETON...	111	31	505	198	68		
YUMA...	124	53	990	145	14	14	GRAND RAPIDS...	199	47	1040	145	165	PORTLAND...	81	31	505	198	68		
ARK. FORT SMITH...	129	53	473	25	29	29	HOUGHTON LAKE...	177	30	1370	226	266	SALEM...	99	24	240	7	15		
LITTLE ROCK...	113	43	416	182	239	239	LANSING...	177	30	1370	226	266	PA. ALLENTOWN...	164	37	759	180	316		
CALIF. BAKERSFIELD...	127	45	127	101	127	127	MARQUETTE...	199	47	1040	145	165	ERIE...	86	37	941	280	280		
FRESNO...	127	45	127	101	127	127	MUSKEGON...	182	24	1499	188	159	HARRISBURG...	148	30	629	220	270		
LOS ANGELES...	127	45	127	101	127	127	S. STE. MARIE...	215	24	1499	188	159	PHILADELPHIA...	149	30	629	220	270		
RED BLUFF...	127	45	127	101	127	127	MINN. DULUTH...	243	29	1568	226	289	PITTSBURGH...	178	30	911	216	402		
SAN DIEGO...	127	45	127	101	127	127	INTERNATL FALLS...	199	29	1053	200	200	SCRANTON...	178	30	911	216	402		
SAN FRANCISCO...	127	45	127	101	127	127	MINNEAPOLIS...	199	29	1053	200	200	I. PROVIDENCE...	162	38	839	246	323		
STOCKTON...	127	45	127	101	127	127	ROCHESTER...	199	29	1053	200	200	S. C. CHARLESTON...	95	50	265	141	212		
COLO. DENVER...	122	31	782	81	112	112	ST. CLOUD...	219	16	1254	203	252	COLUMBIA...	128	38	460	283	277		
GRAND JUNCTION...	111	31	583	39	219	219	MISS. JACKSON...	110	58	314	165	229	GREENVILLE...	72	72	470	235	291		
PUEBLO...	131	31	753	20	219	219	MO. COLUMBIA...	177	63	711	284	286	SDAK. ABERDEEN...	207	7	1068	77	337		
CONN. BRIDGEPORT...	127	24	57	157	278	278	KANSAS CITY...	159	43	686	291	288	HURON...	113	7	370	51	51		
HARTFORD...	155	21	77	123	308	308	ST. LOUIS...	168	61	681	282	300	RAPID CITY...	113	7	370	51	51		
DEL. WILMINGTON...	133	28	565	160	292	292	SPRINGFIELD...	157	51	623	233	219	STOUX FALLS...	196	1	993	130	191		
D.C. WASHINGTON...	127	37	454	149	307	307	MONT. BILLINGS...	37	37	862	68	5	TENN. CHATTANOOGA...	145	4	445	155	198		
FLA. APALACHICOLA...	57	44	224	214	214	GLASGOW...	182	30	1080	100	5	KNOXVILLE...	145	4	445	155	198			
DAYTONA BEACH...	57	19	46	3	46	GREAT FALLS...	111	43	875	177	13	NASHVILLE...	145	4	445	155	198			
FORT WARRS...	57	19	46	3	46	HAVRE...	146	43	975	151	2	TEXAS ABILENE...	70	14	336	210	19			
JACKSONVILLE...	57	19	46	3	46	HELENA...	109	43	1026	145	200	AMARILLO...	117	14	336	210	19			
KEY WEST...	57	19	46	3	46	KALISPELL...	133	43	1333	145	145	AUSTIN...	117	14	336	210	19			
LAKELAND...	57	19	46	3	46	MILES CITY...	133	43	1333	145	145	BROWNSVILLE...	117	14	336	210	19			
MIAMI...	57	19	46	3	46	MISSOULA...	133	43	1333	145	145	CORPUS CHRISTI...	117	14	336	210	19			
ORLANDO...	57	19	46	3	46	NEBR. GRAND ISLAND...	158	58	812	171	171	DEL RIO...	117	14	336	210	19			
TALLAHASSEE...	57	19	46	3	46	LINCOLN...	141	54	806	171	171	EL PASO...	117	14	336	210	19			
TAMPA...	57	19	46	3	46	NORFOLK...	141	54	806	171	171	FORT WORTH...	117	14	336	210	19			
WEST PALM BEACH...	57	19	46	3	46	NORTH PLATE...	141	54	806	171	171	GALVESTON...	117	14	336	210	19			
GA. ATLANTA...	139	69	439	215	280	VALENTINE...	112	5	933	141	194	HOUSTON...	117	14	336	210	19			
AUGUSTA...	120	62	322	153	239	NEV. ELY...	135	5	1191	111	86	LUBBOCK...	117	14	336	210	19			
Macon...	107	56	280	141	200	LAS VEGAS...	112	47	769	94	44	MIDLAND...	117	14	336	210	19			
SAVANNAH...	91	51	245	140	216	RENO...	147	63	710	248	50	SAN ANTONIO...	117	14	336	210	19			
IDAHO. BOISE...	103	47	659	56	42	MINNEAPOLIS...	147	63	710	248	50	SAN ANTONIO...	117	14	336	210	19			
LENISTON...	107	43	484	236	111	N.H. CONCORD...	190	32	1178	269	170	VICTORIA...	117	14	336	210	19			
POCATELLO...	124	53	860	68	49	N.J. ATLANTIC CITY...	148	43	670	254	317	WICHITA FALLS...	117	14	336	210	19			
ILL. CAIRO...	147	61	550	285	333	TRENTON...	148	46	614	208	317	UTAH SALT LAKE CITY...	107	45	589	95	12			
CHICAGO...	147	61	550	285	333	N. MEX. ALBUQUERQUE...	99	15	514	161	201	VT. BURLINGTON...	207	44	1243	296	452			
MOLINE...	147	61	550	285	333	ROSWELL...	79	20	398	75	201	VA. LYNCHBURG...	150	51	560	181	272			
PEORIA...	147	61	550	285	333	N.Y. ALBANY...	187	41	1022	263	404	NORFOLK...	119	50	378	150	247			
ROCKFORD...	147	61	550	285	333	BINGHAMTON...	210	40	1218	43	43	RICHMOND...	136	50	506	185	326			
SPRINGFIELD...	147	61	550	285	333	BUFFALO...	210	40	1218	43	43	ROANOKE...	136	50	506	185	326			
IND. EVANSVILLE...	158	48	588	194	276	NEW YORK...	210	40	1218	43	43	WASH. GUILLAYUTE...	100	34	1153	77	83			
FORT WAYNE...	190	49	888	262	332	SYRACUSE...	177	40	1013	321	330	SEATTLE-TACOMA...	109	39	861	313	161			
INDIANAPOLIS...	184	55	784	268	327	N.C. ASHEVILLE...	177	40	1013	321	330	SPOKANE...	110	39	861	313	161			
SOUTH BEND...	191	46	900	238	393	CHARLOTTE...	177	40	1013	321	330	HALLA HALLA...	110	39	861	313	161			
IOWA. BURLINGTON...	187	49	856	303	367	GREENSBORO...	177	40	1013	321	330	YAKIMA...	110	39	861	313	161			
DES MOINES...	176	56	702	166	314	HATTERAS...	177	40	1013	321	330	W. VA. BECKLEY...	27	66	1022	343	538			
DUBUQUE...	176	56	702	166	314	RALEIGH...	177	40	1013	321	330	CHARLESTON...	111	61	757	320	403			
SIoux CITY...	192	31	932	250	304	WILMINGTON...	177	40	1013	321	330	HUNTINGTON...	111	61	757	320	403			
KANS. CONCORDIA...	148	20	680	188	283	N. DAK. BISMARCK...	201	8	1153	47	348	PARKERSBURG...	111	61	757	320	403			
DODGE CITY...	118	20	642	218	289	FARGO...	189	108	1282	209	4	WIS. GREEN BAY...	212	34	1235	277	304			
GOODLAND...	118	20	642	218	289	HILLSTON...	189	108	1282	209	4	LACROSSE...	207	33	1006	246	272			
GOPELAND...	118	20	642	218	289	OHIO. AKRON-CANTON...	195	57	1030	388	274	MADISON...	207	33	1006	246	272			
TOPERA...	118	20	642	218	289	CINCINNATI...	195	57	1030	388	274	HILAUKEE...	207	33	1006	246	272			
NICHITA...	138	38	689	234	282	CLEVELAND...	195	57	1030	388	274	WYO. CASPER...	153	34	1024	17	101			
KY. LEXINGTON...	181	67	753	339	355	COLUMBUS...	195	57	1030	388	274	CHEYENNE...	153	34	1024	17	101			
LOUISVILLE...	159	49	597	197	313	DAYTON...	195	57	1030	388	274	LANDER...	153	34	1024	17	101			
LA. BATON ROUGE...	75	41	214	121	183	TOLEDO...	195	57	1030	388	274	SHERIDAN...	153	34	1024	17	101			
LAKE CHARLES...	61	21	201	109	140															
NEW ORLEANS...	61	21	201	109	140															
SHREVEPORT...	85	38	284	149	245															

* BASED ON 1941-70 NORMALS.

+ ACCUMULATION FROM JULY 1, 1976.





FIRST CLASS MAIL

COM 210

HARVESTING PROGRESS
 Percent of Acreage Harvested
 (As of November 8)

SOYBEANS			
	1976	1975	Avg.
Ala.	59	53	56
Ark.	50	60	60
Ga.	24	38	1/
Ill.	100	100	100
Ind.	95	95	75
Iowa	100	1/	1/
Kans.	85	85	75
Ky.	66	68	67
La.	90	73	67
Mich.	90	1/	1/
Minn.	100	1/	1/
Miss.	69	49	52
Mo.	84	88	71
Nebr.	100	100	95
N. C.	22	22	1/
Ohio	95	92	85
S. C.	14	22	22
Tenn.	50	50	50
U. S.	80	75	72

These 18 States produced 96% of the Nation's soybeans in 1975.

SORGHUM			
	1976	1975	Avg.
Kans.	85	85	60
Mo.	88	92	71
Nebr.	95	100	85
Okla.	75	75	50
S. Dak.	100	100	1/
Tex.	94	97	83
6-States	90	93	74

These 6 States produced 90% of the Nation's sorghum grain in 1975.

CORN			
	1976	1975	Avg.
Ga.	85	78	1/
Ill.	81	90	74
Ind.	70	75	50
Iowa	98	94	66
Kans.	90	95	65
Ky.	74	78	76
Mich.	80	1/	1/
Minn.	100	1/	1/
Mo.	89	93	67
Nebr.	85	95	70
N. C.	89	88	81
Ohio	65	70	65
S. Dak.	100	1/	1/
Wis.	90	85	65
U. S.	86	88	69

These 14 States produced 89% of the Nation's corn in 1975.

COTTON			
	1976	1975	Avg.
Ala.	35	34	58
Ark.	67	66	59
Ga.	46	45	1/
La.	81	36	52
Miss.	72	33	60
Mo.	65	87	67
N. C.	44	50	56
Okla.	12	1/	12
S. C.	52	69	67
Tenn.	48	54	60
Tex.	20	32	28
11-States	41	40	42

These 11 States produced 68% of the Nation's cotton in 1975.

1/Data not available.