

# Weekly Weather & Crop Bulletin

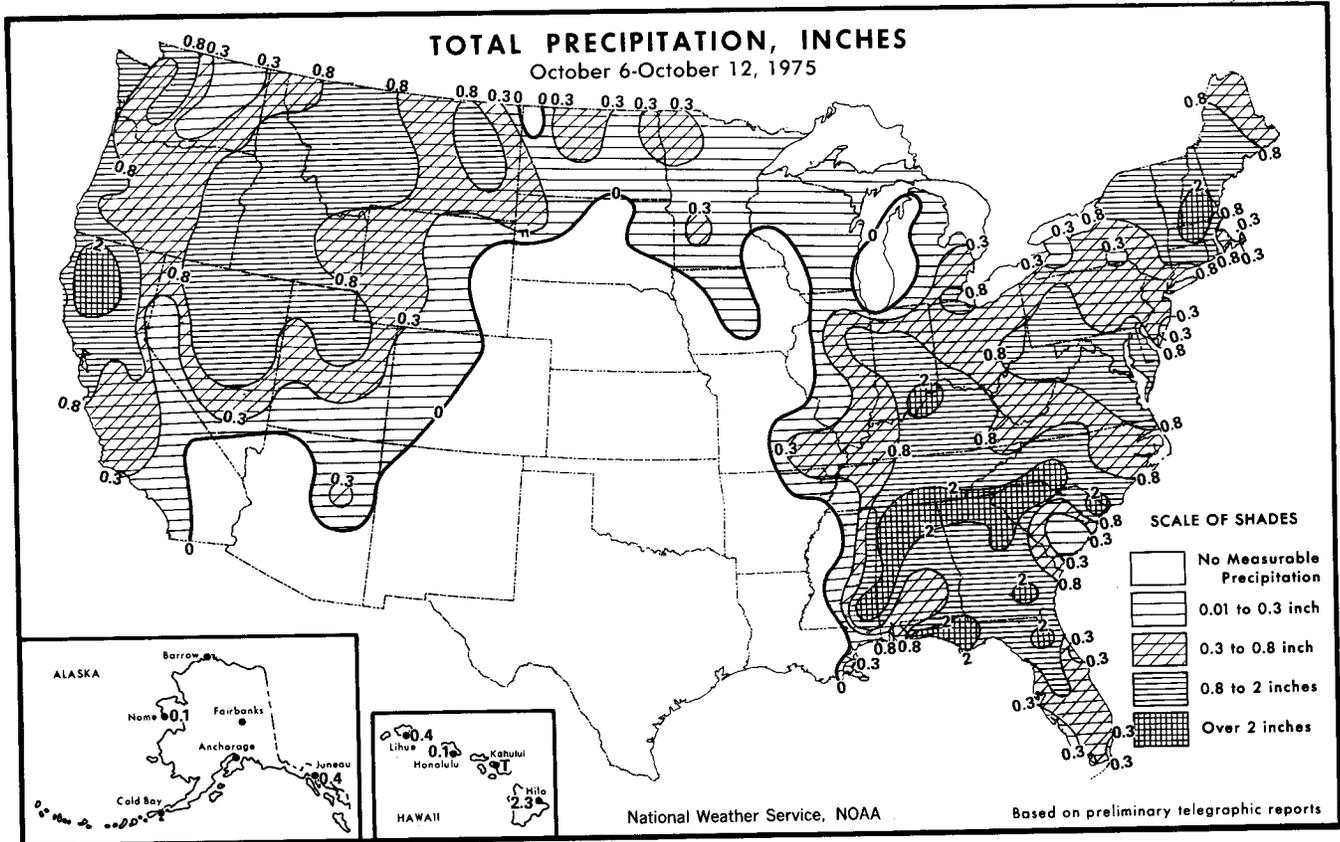
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## NATIONAL WEATHER SUMMARY

For the Week of October 6-12

**HIGHLIGHTS:** As warm air and sunshine settled over the Nation's midsection, temperatures in parts of the Plains States shot up to record high levels under clear skies. Precipitation spread across the eastern third of the U.S. and made headlines in the Pacific Northwest, when the first major storm of the season hit the northern Rockies.

Weather activity got off to a slow start, but picked up as the week progressed. Monday opened to sunny skies and pleasant temperatures across much of the Nation. Weekend precipitation withdrew from the Southeast, except for a few spots in Florida, Alabama, and northern Mississippi, where light showers lingered.

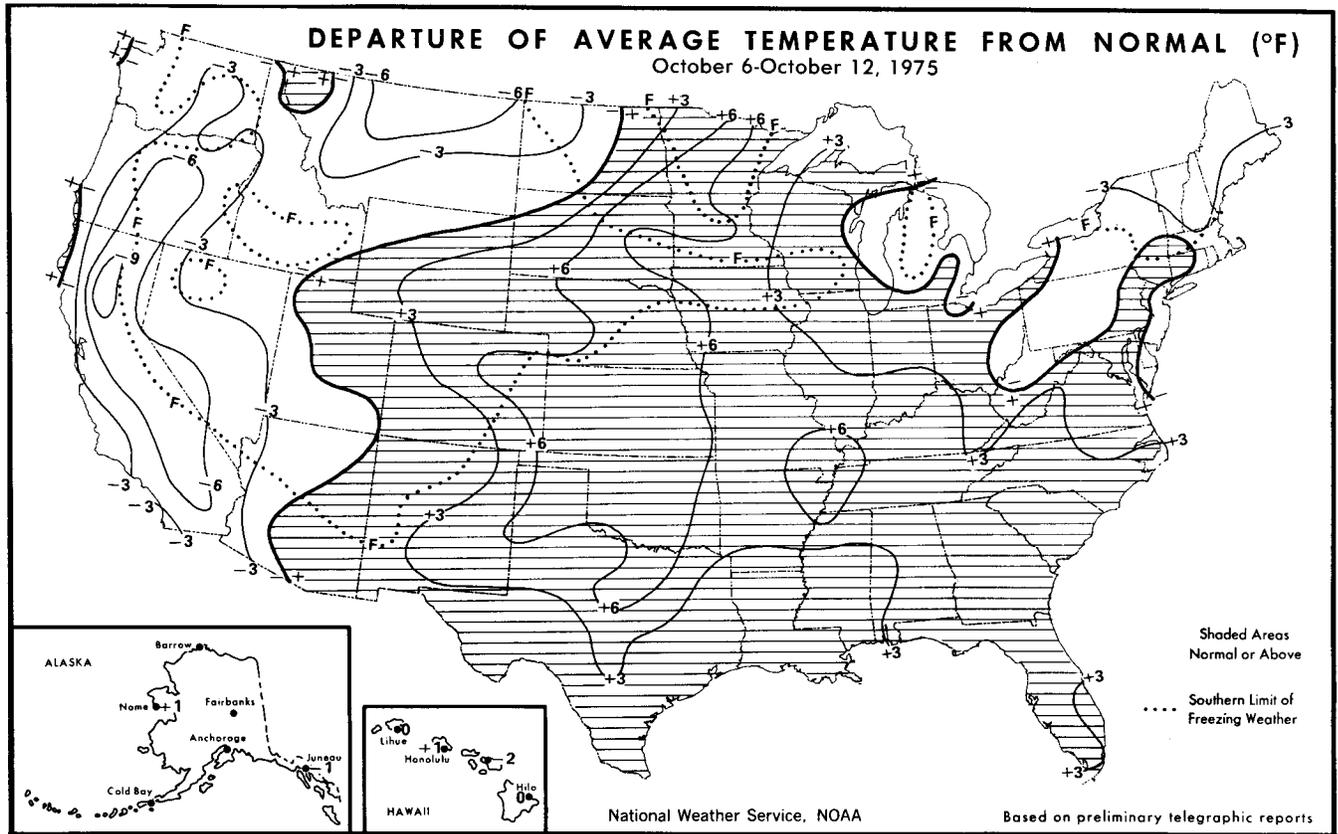
In the afternoon showers and occasional thunderstorms advanced slowly eastward through the northern Rockies and parts of Nevada. Other isolated activity occurred from central California into

southern Oregon. In the East a group of showers moved lazily through the New England States.

A survey of daytime temperatures showed record high levels along the lee of the Rockies from Colorado (Denver, 87°) to Wyoming (Casper, 84°) and east into Nebraska (Scottsbluff, 91°). Readings ranged from a few 40's in the upper Great Lakes and northern Rockies to 100's in the desert Southwest.

The first major storm of the season swept eastward through the intermountain regions on Tuesday, trailing high winds, snow, and a few thunderstorms in its path. Winds gusted to 65 mph in parts of California, Arizona, and Utah.

Meantime a frontal system gave rise to a large area of rain as it edged northward in the Southeast. At midday showers and thunderstorms were recorded from southern Kentucky to the Gulf Coast and southeastward over Georgia and Florida.



On Tuesday night, cold air behind a low pressure center over Wyoming blanketed a large part of western U.S. and the first widespread snow of the season capped the northern Rockies.

The surge of cold air tailing the storm held Wednesday morning's temperatures in the 30's in the Northwest. Temperatures ahead of the front, though, warmed into the 60's, aided by clear skies in central and southern portions of the country. Readings in the 70's and a few 80's still hinted at summer in the extreme Southeast. However, in Pennsylvania, New York, and the New England States, the mercury halted in the 30's.

In the West high winds whipped cold air through the eastern slopes of the central Rockies into the High Plains. Though winds diminished at the end of the day winter weather was in the northern Rockies to stay. As more cold air slid into the High Plains, some temperatures dropped as much as 30° in only a day's time. At 3 p.m. Wednesday Casper, Wyo. read 42°, a big drop from 77° at the same time on Tuesday.

Wet weather hung over much of the Nation on Thursday as precipitation in a variety of forms spread from the northern Plains to the Atlantic. Snow descended on parts of North Dakota, where Minot collected up to 2 inches before sunrise. Rains covered a large area from the upper Great Lakes into the Ohio Valley and middle Atlantic Coast.

Temperatures in the 50's and 60's dominated much of the Nation, though northern portions of the Plains and Rockies remained in the 30's and 40's. Gulf Coast areas basked in lots of sunshine and

warm 80° air. Other afternoon readings put 90's over parts of Texas and Florida, 80's in the lower Ohio Valley, and 70's in southern Michigan.

A new cold front on Thursday delivered rain and strong winds to the Pacific Northwest and the northern half of California, where gusts in the Shasta Valley topped 65 mph. Meanwhile most of the Nation's sunshine favored areas from Arizona and New Mexico across Texas and the lower half of the Mississippi Valley into the southeast Atlantic Coast States.

Except for a warming trend in the Plains States, the pattern of weather changed little as the week-end approached. Warm air and sunshine in the Nation's midsection on Friday pushed the thermometer into the 90's from Texas and Louisiana into southern portions of Oklahoma and Arkansas. Shreveport, La. scored a record 93°. In the Pacific Northwest cloudy, wet weather persisted from central California north into Washington State.

As warm air spread north and east through the central Plains on Saturday, early afternoon temperatures soared into the 90's as far north as Kansas and into the 80's in Tennessee. Garden City, Kans. came out on top in the Nation with a high of 97°. Cooler readings in the low 40's and 50's put the Rockies, northern Plains, and northern Maine at the low end of the list.

Sunday brought more record highs to the Midwest. Wichita, Kans. 91°, Omaha, Nebr. 93°, and Sioux City, Iowa 92°, all broke previous records--set in 1899. In the northern Rockies, however, it was another cool day: 40's prevailed in Idaho, Nevada, Utah, and Montana (Cutbank, Mont. even sank into the 30's) and 50's settled over the Pacific Northwest.

## NATIONAL AGRICULTURAL SUMMARY

For the Week of October 6-12

**HIGHLIGHTS:** Above normal temperatures hastened crop development over much of the South. Row crop harvesting made excellent gains in most major States east of the Rockies. As of October 12, about 30% of the Nation's corn for grain was harvested. Soybeans were 43% finished. Progress of both crops was much ahead of 1974 and normal. Winter wheat seeding advanced rapidly.

**SMALL GRAINS:** Small grain combining is virtually complete. Winter wheat seeding made good progress in most major States.

Harvest of 1975 small grains was ending as combining in Montana and Idaho came to an end.

Winter wheat seeding pushed ahead, despite dry conditions throughout much of the Great Plains. As of October 12, seeding reached the two-thirds mark, trailing last year's progress of 73% and normal. In Kansas, 80% of the crop was seeded, behind 90% in 1974. Condition of wheat is below normal in Kansas, where topsoil is dry. Oklahoma seeding was 58% done and in Texas 68% was in the ground against the normal 87%. South Dakota and Wyoming growers were virtually finished seeding the 1976 crop.

**CORN:** Favorable drying conditions during much of the week allowed farmers to make excellent harvesting progress in many major States. By October 12, about 30% of the Nation's corn for grain was harvested ahead of 23% in 1974 and normal 22%.

In the North Central States, corn for grain was 27% harvested versus only 19% in 1974 and average 18%. Rain interrupted harvest in the east North Central States, and nearly excellent drying conditions prevailed elsewhere. In top producing Illinois, corn harvest advanced to 34% complete, more than double the 1974 and normal levels. In Iowa, dry, warm weather reduced the moisture content in corn and 24% of the crop has been harvested versus only 11% in 1974 and average 15%. Harvest was 15% finished in Indiana, Ohio, and Wisconsin; 21% in Minnesota; 35% in Nebraska; and 58% in Missouri. Corn in the South Atlantic States was 58% harvested, ahead of normal, and at 48% in the South Central States was slightly behind normal.

**COTTON:** Warm temperatures aided cotton development over much of the South but rain hampered picking from Mississippi eastward. By October 12, cotton harvesting was 17% finished in the 11 major Southern States, behind 18% in 1974 and usual 24%.

In Texas, nearly ideal weather resulted in excellent progress and harvest advanced to 24% complete, slightly behind last year's pace. Harvest was complete in the southern half of the State. Early defoliation on the High Plains is rapidly maturing the crop. Arkansas, Louisiana, and Missouri growers also had a good week for harvesting. Cotton in Mississippi was in poor to fair condition and only 6% was harvested compared to 17% a year ago and normal 27%. Insect damage and boll rot caused concern in Tennessee.

Cotton defoliation and picking were active in California, but rain and wind slowed harvest late in the week. Cotton harvest was slow in both Arizona and New Mexico.

**SOYBEANS:** Above normal temperatures speeded

continued in California, but were slowed by wet grounds. Pecans were 5% harvested in Georgia while harvest moved northward in Texas. Citrus groves continue in excellent condition in Florida and Texas. Picking was progressing seasonally.

**VEGETABLES:** Movement of broccoli, cauliflower, and celery was heavy in California and harvest was beginning for fall cantaloup and honeydew. Rains delayed the canning tomato harvest. In Texas, cabbage, carrots, lettuce, peppers, and tomatoes were being harvested, and planting was still active in several areas. Vegetable crop conditions were fair to good in Florida, where excessive moisture caused minor losses. Harvest was active on cucumbers, eggplant, pole beans, radishes, sweetcorn, and squash.

**PASTURES AND LIVESTOCK:** Livestock movement from summer ranges continues in most Western States and some areas need supplemental feeding to offset the poor range feed. In Texas, heavy herd culling was underway as ranchers prepared for winter; however, marketing continues slow in most States. Stock water supplies remain mostly adequate. Wheat-pasture prospects are below normal in most Plains States.

maturity and development in most Southern States and drying in Northern States, so that harvest of the Nation's soybeans more than doubled during the week. By October 12, combining was 43% finished, much ahead of 30% in 1974 and normal 29%. In the North Central Region, soybean harvest advanced to 63% complete, far ahead of last year's 42% and the usual 39%. Combining was active in all States as farmers took advantage of the excellent harvesting weather. In Illinois, the Nation's number one soybean State, harvest was 83% done versus only 39% in 1974 and the normal 41%. Harvest progressed to 80% done in Iowa, 81% in Minnesota, and 85% in South Dakota.

Harvest in the Southern States was 9% completed, trailing both 1974 and normal levels.

**OTHER CROPS:** By October 12, sorghum harvest in the seven major States was 62% finished, versus only 39% a year ago and the usual 43%. Ideal weather in Texas favored harvest and combining was 77% finished, against 56% in 1974. In Kansas, harvest was over one-third done, much ahead of the 1974 level.

Tobacco curing was slow in Kentucky and Tennessee, where 2% and 20% had been stripped, respectively.

Peanut harvesting made good progress in Texas, with 69% done. In Georgia, 89% has been dug and 79% threshed. Threshing in Oklahoma advanced to 27% complete.

Potato digging was only 38% complete in Idaho versus 68% in 1974. Harvest remains active in Aroostook County, Maine, and is nearing completion in Minnesota and North Dakota.

Sugarbeet lifting slowed in several States as temperatures warmed too much for stockpiling.

**FRUITS AND NUTS:** Harvesting of a record apple crop continued active in most orchards. Rains in California didn't affect most raisins, which were already rolled or boxed. Warm weather following the rain lessened chances of bunch rot in the wine and table grapes. Harvests of almonds and walnuts

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., Oct. 12, 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 . . .	69	+ 3	1.6	+1.0	La. Baton Rouge . . .	72	+ 1	T	-.6	Youngstown . . .	55	0	.5	-.1
Mobile . . .	74	+ 3	.3	-.4	Lake Charles . . .	72	0	T	-.8	OKLA, Okla. City . . .	71	+ 6	0	-.7
Montgomery . . .	74	+ 6	.4	-.1	New Orleans . . .	73	+ 1	T	-.6	Tulsa . . .	72	+ 6	0	-.8
ALASKA, Anchorage . . .	---	---	---	---	Shreveport . . .	71	+ 1	0	-.6	OREG, Astoria . . .	52	- 2	.8	-.5
Barrow . . .	---	---	---	---	MAINE, Caribou . . .	42	- 4	.5	-.2	Burns . . .	44	- 6	.8	+ .6
Fairbanks . . .	---	---	---	---	Portland . . .	49	- 2	1.1	+ .4	Medford . . .	53	- 3	.8	+ .4
Juneau . . .	43	- 1	.4	-1.4	MD, Baltimore . . .	61	+ 1	1.5	+ .9	Pendleton . . .	55	0	.6	+ .4
Kodiak . . .	---	---	---	---	MASS, Boston . . .	57	- 1	.6	0	Portland . . .	55	- 1	.5	-.2
Nome . . .	33	+ 1	.1	-.3	Chatham . . .	55	- 1	.2	---	Salem . . .	53	- 2	.4	-.4
ARIZ, Flagstaff . . .	49	- 1	T	-.4	MICH, Alpena . . .	49	- 1	.1	-.4	PA, Allentown . . .	57	0	.6	0
Phoenix . . .	77	+ 2	0	-.1	Detroit . . .	55	- 1	.4	-.2	Erie . . .	50	0	.7	0
Tucson . . .	74	+ 1	0	-.2	Flint . . .	55	+ 1	.3	-.2	Harrisburg . . .	58	- 1	.4	-.2
Winslow . . .	61	0	.4	+ .2	Grand Rapids . . .	54	- 1	T	-.6	Philadelphia . . .	61	+ 1	.6	0
Yuma . . .	74	- 5	0	-.1	Houghton Lake . . .	49	- 1	.1	-.5	Pittsburgh . . .	55	- 1	.9	+ .3
ARK, Fort Smith . . .	70	+ 4	0	-.8	Lansing . . .	53	- 1	.2	-.4	Scranton . . .	56	+ 1	.5	-.1
Little Rock . . .	70	+ 5	T	-.7	Marquette . . .	53	+ 1	.2	-.4	R.I, Providence . . .	54	- 2	1.1	+ .4
CALIF, Bakersfield . . .	66	- 3	.4	+ .3	Muskegon . . .	53	- 1	0	-.6	S.C, Charleston . . .	74	+ 6	.2	-.6
Eureka . . .	56	+ 1	1.1	+ .5	S. Ste. Marie . . .	50	+ 1	.2	-.4	Columbia . . .	72	+ 5	.3	-.4
Fresno . . .	61	- 6	.3	+ .2	MINN, Duluth . . .	54	+ 5	.2	-.4	Greenville . . .	68	+ 4	2.6	+1.9
Los Angeles . . .	65	- 5	.2	+ .2	Internat Falls . . .	53	+ 6	.1	-.3	S.D, Aberdeen . . .	58	+ 7	T	-.3
Red Bluff . . .	68	-10	2.5	+2.3	Minneapolis . . .	59	+ 6	T	-.4	Huron . . .	58	+ 5	T	-.4
San Diego . . .	65	- 2	T	-.1	Rochester . . .	58	+ 5	0	.5	Rapid City . . .	56	+ 3	0	-.2
San Francisco . . .	59	- 3	1.4	+1.2	St. Cloud . . .	55	+ 4	.1	-.3	Stoux Falls . . .	59	+ 5	T	-.4
Stockton . . .	60	- 6	.4	+ .3	MISS, Jackson . . .	70	+ 2	T	-.5	TENN, Chattanooga . . .	67	+ 3	3.3	+2.6
COLO, Denver . . .	61	+ 6	0	-.3	Meridian . . .	67	0	1.5	+1.0	Knoxville . . .	67	+ 3	1.1	+ .5
Grand Junction . . .	60	+ 2	T	-.2	MO, Columbia . . .	66	+ 5	0	-.9	Memphis . . .	74	+ 8	T	-.6
Pueblo . . .	61	+ 3	0	-.2	Kansas City . . .	66	+ 4	0	-.8	Nashville . . .	69	+ 5	.9	+ .4
CONN, Bridgeport . . .	59	0	.5	-.1	St. Louis . . .	66	+ 4	T	-.6	TEX, Abilene . . .	75	+ 6	0	-.6
Hartford . . .	56	+ 1	1.6	+1.0	Springfield . . .	67	+ 5	0	-.9	Amarillo . . .	68	+ 6	0	-.5
D.C, Washington . . .	64	+ 2	1.3	+ .7	MONT, Billings . . .	51	- 1	.6	+ .4	Austin . . .	75	+ 2	0	-.8
FLA, Apalachicola . . .	76	+ 3	2.0	+1.2	Glasgow . . .	42	- 8	1.2	+1.1	Beaumont . . .	72	0	0	-.9
Daytona Beach . . .	78	+ 3	.2	-1.2	Great Falls . . .	45	- 6	1.7	+1.5	Brownsville . . .	77	0	T	-.9
Ft. Myers . . .	81	+ 3	-1	-1.1	Havre . . .	43	- 7	.3	+ .2	Corpus Christi . . .	77	+ 1	0	-.7
Jacksonville . . .	77	+ 4	-.9	-.3	Helena . . .	44	- 4	1.2	+1.1	Del Rio . . .	76	+ 2	0	-.6
Key West . . .	83	+ 2	.3	-1.1	Kalispell . . .	46	+ 1	.8	+ .5	El Paso . . .	68	+ 1	0	-.2
Lakeland . . .	79	+ 3	.9	+ .1	Miles City . . .	50	- 2	.9	+ .7	Fort Worth . . .	77	+ 7	0	-.6
Miami . . .	82	+ 3	-1	-2.0	Missoula . . .	45	- 2	1.6	+1.4	Galveston . . .	76	+ 1	0	-.7
Orlando . . .	80	+ 4	.4	-.7	NEBR, Grand Island . . .	65	+ 8	0	-.3	Houston . . .	73	0	0	-.9
Tallahassee . . .	75	+ 3	.9	+ .1	Lincoln . . .	65	+ 7	0	-.4	Lubbock . . .	68	+ 4	0	-.5
Tampa . . .	81	+ 4	.4	-.3	Norfolk . . .	63	+ 7	0	-.3	Midland . . .	71	+ 2	0	-.4
W. Palm Beach . . .	80	+ 1	.4	-1.9	N. Platte . . .	59	+ 5	0	-.5	San Angelo . . .	72	+ 2	0	-.5
GA, Atlanta . . .	69	+ 4	1.0	+ .4	Omaha . . .	65	+ 7	0	-.5	San Antonio . . .	76	+ 3	T	-.7
Augusta . . .	72	+ 5	.4	-.1	Valentine . . .	60	+ 7	0	-.2	Victoria . . .	76	+ 2	0	-.9
Macon . . .	72	+ 4	1.7	+1.1	NEV, Ely . . .	45	- 4	.8	+ .7	Waco . . .	77	+ 5	0	-.6
Savannah . . .	75	+ 5	.3	-.5	Las Vegas . . .	67	- 3	0	0	Wichita Falls . . .	73	+ 4	0	-.7
HAWAII, Hilo . . .	75	0	2.3	0	Reno . . .	48	- 5	.1	0	UTAH, Blanding . . .	54	- 1	0	-.3
Honolulu . . .	80	+ 1	.1	-.2	Winnemucca . . .	50	- 1	1.3	+1.2	Salt Lake City . . .	58	+ 2	1.0	+ .7
Kahului . . .	76	- 2	T	-.2	N.H, Concord . . .	48	- 4	2.1	+1.5	VT, Burlington . . .	48	- 3	1.1	+ .5
Lihue . . .	78	0	.4	-.3	N.J, Atlantic City . . .	57	- 2	.1	-.6	VA, Lynchburg . . .	62	+ 2	.6	0
IDAHO, Boise . . .	53	- 2	.9	+ .8	Trenton . . .	58	- 2	.4	-.2	Norfolk . . .	65	+ 1	1.0	+ .3
Lewiston . . .	52	- 3	.9	+ .7	N.MEX, Albuquerque . . .	62	+ 1	0	-.2	Richmond . . .	64	+ 2	.8	+ .1
Pocatello . . .	49	- 2	.3	+ .2	Roswell . . .	68	+ 5	0	-.3	Roanoke . . .	64	+ 4	.5	-.3
ILL, Cairo . . .	71	+ 6	.6	0	N.Y, Albany . . .	54	0	.8	+ .2	WASH, Colville . . .	47	- 2	.2	-.1
Chicago . . .	60	+ 1	T	-.6	Binghamton . . .	52	- 1	.2	-.4	Omak . . .	48	- 3	.3	+ .1
Moline . . .	59	+ 2	0	-.7	Buffalo . . .	55	+ 1	T	-.6	Quillayute . . .	52	0	1.2	-1.2
Peoria . . .	61	+ 3	.3	-.3	New York . . .	60	- 1	.2	-.4	Seattle-Tacoma . . .	53	- 1	.8	0
Rockford . . .	56	0	.2	-.5	Rochester . . .	54	- 1	.6	0	Spokane . . .	48	- 3	.4	+ .1
Springfield . . .	63	+ 3	.2	-.5	Syracuse . . .	54	- 1	.4	-.3	Walla Walla . . .	55	- 2	.5	+ .2
IND, Evansville . . .	65	+ 4	.4	-.2	N.C, Asheville . . .	63	+ 4	1.2	+ .4	Yakima . . .	51	- 2	.3	+ .2
Ft. Wayne . . .	57	0	.6	0	Charlotte . . .	69	+ 5	2.4	+1.8	W. Va, Beckley . . .	59	+ 4	.7	+ .1
Indianapolis . . .	62	+ 3	1.0	+ .4	Greensboro . . .	67	+ 5	1.1	+ .4	Charleston . . .	60	0	.4	-.2
South Bend . . .	57	+ 1	T	-.7	Hatteras . . .	71	+ 4	.4	-.7	Huntington . . .	63	+ 3	.7	+ .2
IOWA, Burlington . . .	62	+ 4	0	-.8	Raleigh . . .	66	+ 3	.5	-.1	Parkersburg . . .	59	- 1	1.8	+1.3
Des Moines . . .	62	+ 4	T	-.5	Wilmington . . .	72	+ 4	1.0	+ .2	WIS, Green Bay . . .	52	0	.1	-.4
Dubuque . . .	56	+ 1	T	-.7	N.DAK, Bismarck . . .	49	- 1	.2	0	La Crosse . . .	57	+ 2	0	-.5
Sioux City . . .	63	+ 7	0	.4	Fargo . . .	57	+ 6	.2	-.1	Madison . . .	55	+ 2	T	-.5
KANS, Concordia . . .	68	+ 8	0	.5	Williston . . .	45	- 4	T	-.1	Milwaukee . . .	55	+ 1	0	-.5
Dodge City . . .	69	+ 8	0	.4	OHIO, Akron-Canton . . .	56	0	.7	+ .1	WYO, Casper . . .	55	+ 4	T	-.2
Goodland . . .	64	+ 8	0	.2	Cincinnati . . .	63	+ 3	1.2	+ .7	Cheyenne . . .	55	+ 4	T	-.2
Topeka . . .	67	+ 6	0	.7	Cleveland . . .	56	0	.6	0	Lander . . .	52	+ 2	.4	+ .1
Wichita . . .	70	+ 7	0	.7	Columbus . . .	58	+ 1	.5	+ .1	Sheridan . . .	50	- 1	.2	-.1
KY, Lexington . . .	64	+ 3	1.4	+1.0	Dayton . . .	60	+ 2	.5	+ .1	P.R, San Juan . . .	81	0	1.7	+ .4
Louisville . . .	65	+ 4	2.6	+2.1	Toledo . . .	54	- 2	.8	+ .3					

Based on 1941-70 Normals

The Weekly Weather and Crop Bulletin is published by the National Weather Service, NOAA, and Statistical Reporting Service, USDA. Standard copy for the Bulletin is prepared by Dr. Richard E. Felch, agricultural climatologist, Lyle M. Denny, Orus W. Byrd, meteorologists, DeLon Brown, agricultural statistician, and Susan E. Atkins, editor.

## 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:** Rain over most of State on 6th, very heavy over west central and northwest. Twenty-four hour totals of 5.00 to 6.00 in. Tuscaloosa and Huntsville areas. Remainder of week fair, warm and dry, afternoons in upper 80's by end of week.

Rains slowed harvesting of crops. Corn condition good except southeast, 39% harvested, 46% 1974, average 43%. Soybean condition good, 76% leaves turning yellow, 46% matured. Cotton condition fair, 42% shows open bolls. Peanut condition good, 74% dug, 68% combined. Pecans poor to fair condition. Hay harvest slowed, 89% harvested. Seeding continues for small grains and winter grazing crops. Pastures good, soil moisture surplus.

**ARIZONA:** Temperatures near normal. Sharply colder on 12th. Scattered light showers mountains, otherwise dry.

Cotton harvest Yuma County slow; yields below 1974. Central, eastern areas 25 to 40% open. Grain sorghum harvest continues, average yields Yuma County. Sugarbeets, good progress. Fall lettuce harvest underway. Lettuce planting, thinning continued, Yuma County. Mixed vegetables seasonal progress. Harvest fall melons underway. Lemon harvest continued, volume increasing. Cattle, calves mostly good condition. Rain needed.

**ARKANSAS:** Above normal temperatures common, ranging from 1 to 7° above normal. Extremes: 96 to 37°. Only isolated rain. Greatest amount 0.76 in. Most areas had no rain.

Open weather accelerated crop harvest, soil moisture short. Fieldwork: 6.3 days favorable. Rice, soybean, cotton harvest and field preparation for small grains active. Cotton 22% picked, 10% 1974, 20% average; 66% bolls open, 57% 1974, 70% average. Warm weather speeded maturity. Combining early soybean varieties; mid-season, late varieties dropping leaves. Late beans need 2 weeks to fully mature. Weeds caused combining problems. Harvest 8% complete, 6% 1974, 9% average. Sorghum combining continued. Early stands of wheat, oats good, need rain. Planting small grains slow until soil moisture increases. Last hay cuttings nearly complete. Pastures in poor condition, lack of soil moisture. Apple harvest almost complete. Spring spinach planting underway. Fall spinach, greens in good condition.

**CALIFORNIA:** A storm on 6th and major storm on 9th and 10th gave widespread precipitation to all except Desert southeast. Amounts ranged from 1.00 to 2.00 in. Sacramento Valley, to 0.25 in. south coast. Some northern mountain areas had over 5.00 in. and several inches of snow at high elevations. Temperatures cooled from above normal inland areas beginning to below by end. Highs at end ranged from 60's Sacramento Valley to 70's southern San Joaquin Valley and south coast. Averages generally near normal south, but 2 to 7° below north.

Rain had negligible lasting effect. Rice harvest slowed, bean threshing delayed. Milo, corn, and sugarbeet harvest active. Cotton defoliation, picking active. Late week rains and wind slowed harvests. Fruit droppage due winds. Avocados, lemon, date, pomegranate, fig, apple, grape, walnut and almond harvests continue; slowed by wet grounds. Nut drop in walnuts from rain; no drop in quality. Warm weather following rains lessened chances bunch rot in wine, table grapes. Most raisins not affected, already rolled, boxed.

Fresh market peach, plum harvests virtually complete. Broccoli, cauliflower, celery movement heavy. Harvest beginning fall cantaloup, honeydew Desert. Lettuce San Joaquin Valley, bell pepper Santa Maria. Rain caused some harvest delay canning tomato crop. Rains improve rangelands. Rain and snow accelerated cattle movement winter ranges. Calving, lambing active. Supplemental feeding underway. Stock water adequate.

**COLORADO:** Temperatures 5° above normal. Highs in eastern plains 80's and low 90's. Clear and dry throughout. Wind gusts up to 50 mph end of week. Increased rangeland fire danger.

Corn 11% picked, 29% 1974, 14% average. Sugarbeets 10% harvested, 11% 1974, 12% average. Dry beans 96% cut, 98% average; 80% threshed, 87% 1974, 80% average. Winter wheat 96% seeded; 74% emerged, 72% 1974, 86% average; poor to fair condition. Soil moisture extremely short. Fall potatoes 73% harvested. Grain sorghum 20% harvested, 16% 1974, 11% average. Ranges and pastures fair to good except southeast extremely poor. Livestock condition good.

**FLORIDA:** Cool over north early, warming to above normal by end, with daytime high near 90°. Rain and scattered thundershowers brought moderate to locally heavy precipitation. Late week rain generally light.

Moisture adequate south, excessive north and west. Completion of corn harvest delayed. Soybean harvest starting, progress slow due to wet soils. Pecan harvest underway central areas. Haying slow, wet conditions. Small grains going in, good growing conditions. Sugarcane good condition; cutting for seed continues. Pastures declined slightly, but are mostly in good condition. Cattle, calves good condition. Citrus grove condition excellent. Soil moisture adequate, very little new growth. A little fruit splitting. Harvest progressing seasonally. Vegetable crop conditions fair to good. Excessive moisture caused minor losses to most crops. Fieldwork slightly behind, but improving with good weather. Harvest active on pole beans, sweet corn, cucumbers, eggplant, radishes, and squash. Plantings remain active most crops.

**GEORGIA:** Temperatures averaged 3° above normal east and upper coast, 3° below normal north central, normal elsewhere. Rain averaged less than 0.50 in. east to almost 5.00 in. west. Most areas 1.00 to 2.00 in. Dry with warm days and cool nights 11th and 12th.

Soil moisture surplus. Fieldwork slow, 2 days suitable. Cotton fair to good, 8% harvested, 28% 1974, 42% average. Corn mostly good, 49% harvested, 46% 1974, 51% average. Peanuts mostly good, 89% dug, 79% threshed, 98% and 94% 1974, 99% and 98% average. Soybeans mostly good, 5% harvested, 7% 1974, 7% average. Late hay harvest slowed by wet weather. Pecans fair to good, 5% harvested, 1% 1974. Wheat 17% planted, rye 26%, other small grains 27%. Pastures mostly good. Cattle and hogs good.

**HAWAII:** Weather favorable for crop growth. Beneficial showers fell windward area Kauai. Reservoirs partially filled. Flow in rivers and ditches increased.

Rains Hamakua Coast on Hawaii partially relieved.

ed dry conditions. Crops making fair to good progress. Vegetable supplies adequate. Production heavy for mustard, cabbage and Italian squash. Banana supplies adequate. Papaya production fluctuating. Pastures need more moisture on all Islands. Pineapple harvesting slow. Sugar harvesting steady.

**IDAHO:** Precipitation frequent from the central mountains northward. Many areas had reported over 1.00 in. Temperatures north averaged 1 to 5° below normal. Temperatures averaged near normal for south. Precipitation ranged from 0.72 in. at Twin Falls to 0.10 in. Aberdeen.

Rain and cloudy weather delayed harvest and planting of fall grains. Harvest of dry beans and seed crops at standstill. Potato and sugarbeet harvest progressing rapidly as weather permits. Potatoes 38% harvested, 68% 1974. Sugarbeets 11% harvested, 7% 1974. Dry beans 85% harvested, 94% 1974. Second cutting alfalfa and silage corn 82% harvested. Livestock moving from higher elevation to winter ranges and stubble fields. Winter wheat seeding 69%, 64% in 1974.

**ILLINOIS:** Temperatures 0 to 6° above normal. Precipitation 0 to 1.25 in.

Corn harvest 34% complete, 15% 1974, average 14%; harvest active. Soybean harvest 83% complete, 39% 1974, average 41%; harvest active. Seeding winter wheat 65% complete, 54% 1974, average 58%. Grain sorghum harvest 50% complete. Plowing 1976 corn and soybeans 15% complete, 6% 1974, average 7%. Pastures mostly good to excellent condition. Soil moisture 9% short, 84% adequate, 7% surplus. Fieldwork: 5.5 days suitable.

**INDIANA:** Excellent week for fall activities. Percent possible sunshine at 68%. Temperatures from middle 30's to middle 80's. Rainfall 0.40 in. north, 1.40 in. southeast, 0.80 in. central and southwest.

Humidities and drying rates near normal. Fieldwork averaged 5 days. Topsoil and subsoil mostly adequate. Corn 15% harvested, 1974 10%, average 20%. Corn 95% mature. Soybeans 45% combined, 1974 25%, average 35%. Wheat land 90% plowed, same as average. Wheat 50% seeded, near average, 1974 40%. Apples 70% picked, 1974 same, average 65%. Tobacco 95% cut, 1974 same. Silos 90% filled. Pastures mostly fair to good.

**IOWA:** Temperatures 5° above normal, ranging from chilly on 10th to record warmth 12th. Sunny and dry entire week except for light showers northwest on 9th. Rainfall 0.60 in. below normal.

Ideal week for harvesting crops. Dry, warm weather allowing natural drying resulting in higher quality. Most areas dry. Corn harvest 24% complete, 11% 1974, 15% average. Corn moisture test dropping to 18 to 24%. Many better than expected yields. Soybean harvest 80% complete, 50% 1974, 42% average. Dry conditions causing some shattering, especially in late afternoon. Still need killing frost to kill weeds, drop leaves many areas. Winter wheat 86% seeded. Grain sorghum 42% harvested, 20% 1974, 30% average. Fall plowing 12% complete. Soil moisture mostly short, fall seeded crops in need of moisture. Fieldwork averaged 6.9 days suitable.

**KANSAS:** Unseasonably warm, dry weather. Moisture limited to light amounts extreme southeast. Temperatures averaged 65° northwest to 71°, south central. Record high temperatures on 11th and 12th.

Wheat 80% planted, 90% 1974, 85% average; condition below normal due to dry topsoil. Moisture badly needed throughout. Sorghum grain 85% mature, 55% 1974, 75% average; 35% harvested, 10% 1974, 20% average. Corn 45% harvested, 35% 1974, 30% average. Soybean harvest 15% completed, 10% 1974, 25% average. Sugarbeet harvest in full swing.

**KENTUCKY:** Temperatures averaged near normal, in the mid-60's. Rainfall averaged 1.50 in. Most rain fell in central areas averaging 2.25 in.

Soil moisture 83% adequate, 16% surplus, 1% short. Farm work slowed by showers, 4 days favorable. Work centered around harvesting corn and soybeans and wheat seeding. Tobacco curing slowly, 9% cured and 2% stripped. Houseburn damage light to moderate. Corn 29% harvested, 1974 25%, average 30%. Soybean harvest 15% complete. Winter wheat seeding 31% complete, 1974 23%, average 37%. Pasture remains in good condition.

**LOUISIANA:** Temperatures 6° below normal. Rain southeast 7th and 8th. Greatest 1-day rain, 1.59 in., 7th. Temperature extremes 94° 11th and 46° 8th.

Fieldwork possible 6.3 days. Soil moisture short. Main activities: Harvesting cotton, soybeans, rice, sweetpotatoes, and hay, planting sugarcane and small grains. Soybeans 30% harvested, 41% 1974, 28% average; maturing rapidly. Cotton 13% harvested, 15% 1974, 24% average. Sugarcane harvest began; planting 90% complete. Corn 90% harvested. Grain sorghum harvest active. Sweetpotatoes 70% harvested. Wheat 45%, oats 50% planted. Hay harvest near completion. Pastures average. Cattle condition declined.

**MARYLAND AND DELAWARE:** Temperatures averaged near normal. Highs upper 70's, lows low 30's. Garrett County had lows in the upper 20's. Precipitation ranged from 0.12 to 2.10 in. Heaviest amounts occurred in Maryland.

Corn for grain 65% harvested, 56% 1974, average 57%. Soybeans 15% harvested, 10% 1974, average 13%. Apple harvest active. Seeding of small grains active. Wheat 40% completed; barley 80%; oats 90%; rye 65%.

**MICHIGAN:** Temperatures normal to 4° above. Extremes: 20 to 70°. Precipitation on 9th 0.10 to 0.70 in.

Soil moisture adequate. Excellent weather pushed harvest. Corn 85% mature, 55% 1974, 75% normal; 10% harvested, 5% 1974, 10% normal. Corn silage harvest 85%, 70% 1974, 80% normal. Soybeans 70% mature, 65% normal; combining 25%, 15% 1974, 20% normal. Dry bean pulling 95%, 100% 1974, 85% normal. Potato digging 70%, 65% average. Sugarbeet lifting 15%, 10% normal. Temperature too warm to stockpile. Winter wheat planting 80%, 85% 1974 and normal. McIntosh apple picking virtually complete. Jonathan 65%, Red Delicious 70%. Grape harvest 75%; normal. Cabbage and carrot harvest 90%. Nearly 6 days fieldwork.

**MINNESOTA:** Another warm week. Temperatures averaged 5 to 7° above normal. Extremes: 87 and 27°. Rainfall 0.10 in. southeast to 0.40 in. northwest.

Soybean harvest rapidly nearing completion in several areas; for State 81% combined, 1974 84%, average 51%. Moisture content 11%, average 13%. Corn picked and combined 21%, 1974 31%, average 19%. Potatoes 91% dug, 1974 73%, average 79%. Sugarbeets 45% dug, 1974 48%, average 50%. Soil moisture short to adequate.

MISSISSIPPI: Temperatures 2 to 6° subnormal. Extremes: 88 and 31°. Greatest 24-hour rainfall was 1.15 in. at Columbus on 8th.

Soil moisture is mostly adequate. Fieldwork 4.8 days suitable. Cotton 88% open bolls, 62% 1974, 69% average; 6% harvested, 17% 1974, 27% average. Soybeans 88% turning; 65% shedding; 34% mature, 18% 1974, 39% average; 12% harvested, 12% 1974, 16% average. Rice 85% mature; 58% harvested, 71% 1974. Corn 94% mature, 94% average; 43% harvested, 51% 1974, 40% average. Sorghum 94% mature, 64% harvested. Winter wheat and oats both 49% planted. Sweetpotatoes 62%, peanuts 75%, and hay crops 87% harvested. Cotton in poor to fair condition. Corn in fair to good condition. Other crops in good condition.

MISSOURI: Temperatures 3 to 5° above normal throughout. Negligible precipitation reported.

Soil moisture adequate. Fieldwork: 6 days suitable. Corn 58% harvested, 28% 1974, 29% average. Soybeans 68% mature, 47% 1974, 64% average; 25% harvested, 14% 1974, 21% average. Grain sorghum 61% harvested, 24% 1974, 32% average. Cotton 30% harvested, 11% 1974, 22% average. Winter wheat 42% seeded. Plowing for spring planted crops 16% complete. Pastures fair to good.

MONTANA: Cool, wet week. Temperatures averaged near normal west and extreme south, to 6° below normal north central. Moderate to heavy precipitation, amounts over 1.00 in. except south central and east.

Harvest small grains, flaxseed, corn silage, alfalfa virtually complete. Sugarbeets 50% and potatoes 35% dug. Winter wheat seeding 90% done, 95% 1974 and normal 90%. Condition of new seeding mostly good except southeast where conditions fair. Livestock feed supplies adequate. Nearly 60% of cattle and sheep now moved from summer ranges.

NEBRASKA: Daytime temperatures 20 to 25° above normal. Dry and windy.

Topsoil and subsoil moisture short nearly all counties. Corn 35% harvested, 1974 30%, normal 15%; grain moisture mostly 15 to 20%. Sorghum harvest 70% completed, 40% 1974, 25% normal; grain moisture mostly 50%. Soybeans 70% harvested, 1974 60%, normal 40%. Wheat seeding 95% complete, 95% 1974 and near 100% normal. Wheat condition 24% poor, 51% fair, and 25% good. Alfalfa hay harvest 85% of 4th cutting completed. Dry bean harvest virtually complete. Sugarbeet harvest has slowed due to high temperatures. Pasture and range feed supplies 92% short. Cattle moved to stalk fields. Supplemental feeding continuing.

NEVADA: Weather cold and wet. Snow at many elevations above 6,000 ft. Maximum precipitation 2.40 in. Mt. Rose. Some other high elevations received amounts in excess 1.00 in. Temperatures dropped to below freezing over all but extreme south. Extremes 93° Logandale, 23° Carson City and Ely.

Potato harvest full swing, alfalfa seed harvest nearing completion. Small grain seeding continues. Livestock movement to wintering areas gains momentum. Livestock good condition. Ranges providing fair to good grazing.

NEW ENGLAND: Northern New England mild 6th, cooler thereafter with temperatures 6 to 12° below normal 10th. Southern areas near normal. Rain all areas 10th and 11th totaled 1.00 to 2.00 in.

Potato harvest Aroostook, Maine 75% complete, good quality tubers being harvested, yields below normal. Oat harvest continuing. Best buckwheat

harvest several years. Cranberry harvest delayed by weekend rains; however, Blacks are complete and Howes 40% complete. Berries good quality, no frost damage. Apple harvest nearing completion all States.

NEW JERSEY: Temperatures averaged slightly below normal. Extremes: 32 and 80°. Rainfall averaged 1.80 in. north, 1.50 in. central and 1.30 in. south. Heaviest 24-hour total 1.04 in. at Belvidere on 11th to 12th.

Harvest of fall vegetables advancing on schedule. White potato harvest about complete. Sweetpotato digging about 40% complete. Apple harvest 75% complete. Cranberry harvest at peak. Harvest of silage corn well advanced. Harvest of corn for grain increasing. Combining of soybeans underway. Wheat and barley planting continues active.

NEW MEXICO: Minor cooling midweek and moderate windiness during weekend.

Moisture supplies short north, adequate south. Cotton fair; 2 weeks late; very little harvested. Alfalfa good, excellent quality late cuts. Grain sorghum good, 10 to 25% harvested. Corn good, 50% harvested. Good harvest weather all crops. Winter wheat and barley fair, seedings near complete; high percent acceptable stands. Apples fair, 50% harvested north. Ranges fair to good, some areas very dry with poor winter feed prospects. Livestock good.

NEW YORK: Temperatures near normal ranging from 75 to 27°. Rain slightly below normal central, west, extreme southeast and slightly above normal elsewhere. Favorable weather first half followed by precipitation 9th through 12th.

Conditions good for fieldwork and harvest activities resumed where ground conditions permitted. Third cutting alfalfa nearly 70% complete. Corn silage harvest approximately 75% complete. Grain corn harvest underway and dry bean harvest almost 20% complete. Pastures in mostly good condition. Apple harvest continues, quality good, size generally small. Concord harvest continues, yields lighter than expected. Orange County onion harvest complete, lettuce and celery finishing. Some cabbage splitting from late rapid growth. Some potato rot noted in earlier flooded fields, Upstate.

NORTH CAROLINA: Precipitation ranged from above normal west to below normal east. Temperatures averaged slightly below normal.

Days suitable fieldwork 3.4. Soil moisture 75% adequate, 25% surplus. Corn 64% harvested, 1974 68%, average 45%. Soybeans fair to good condition, few fields combined. Peanuts 64% dug, 1974 62%; peanuts threshed 39%, 1974 36%, average 40%. Burley tobacco harvest 96% complete. Cotton 6% picked, 1974 9%, average 22%. Sorghum grain 44% harvested, 1974 57%. Sweetpotatoes 50% dug, 1974 53%. Apples 82% picked, 1974 80%, average 73%. Small grains 25% seeded, 1974 22%, average 26%. Pastures mostly good.

NORTH DAKOTA: Temperatures were 2 to 11° above normal. High of 87° and low of 18°. Precipitation was 1.07 to 0.27 below normal. First snowfall of season was recorded. Weekend cool with some rain.

Small grain virtually complete. Flax 95% combined. Corn 30% picked. Soybeans 60% and dry beans 99%. Potatoes 95% dug and sugarbeets 60% lifted.

**OHIO:** Near normal temperatures entire week. High 80° southwest, low 34° northwest. Rainfall 8th to 10th ranging 1.26 in. southwest, 0.39 in. east central.

Harvest completed: Corn, less than 15%, 15% 1974 and 25% normal; soybeans 45%, 45% 1974 and normal; corn silage 90%, 80% normal; potatoes 80%, 80% normal; sugarbeets over 20%, 15% normal; popcorn 25%, 25% normal. Winter wheat 60% seeded, 65% 1974 and normal. Barley 70% seeded, 80% 1974 and 85% normal. Moisture supplies 65% adequate, 36% surplus. Fieldwork: Nearly 5 days favorable.

**OKLAHOMA:** Temperatures averaged from 2° below normal to 3° above normal. No precipitation reported. Weekend hot and dry.

Rain needed for winter wheat, barley, oats seeding. Wheat seeding 58% complete, 1974 88%, average 79%. Sorghum grain 37% harvested, 1974 20%, normal 27%. Corn harvest ahead of average, soybean harvest one week behind average. Peanuts 27% threshed, 1974 10%, average 12%. Cotton 39% open bolls, 1974 54%, average 67%, light ginnings reported. Pastures mostly dry. Fertilizing in east. Supplemental livestock feeding in Panhandle where pastures driest. Hay baling continues.

**OREGON:** Precipitation ranged 2.00 to 3.00 in. along coast, 0.75 to 1.25 in. west valleys, 0.10 to 0.83 in. east. Temperatures near normal.

Extremes: 80's and 20's.

Land preparation, fall seeding continuing. Hay-  
ing activity light. Corn silage harvest continuing. Red clover seed harvest finished. Fall apples being harvested. Pear harvest nearly finished. Prune harvest 95% completed. Filberts and walnut prospects good. Harvesting sweet corn, broccoli, cabbage, carrots, beets, cauliflower, and squash. Potato harvest in full swing throughout. Rain causing digging problems in Klamath Falls area. Range and pastures improved with rain. Livestock look good. Feed and water supplies adequate. Movement of cattle to market slow. Fire danger low.

**PENNSYLVANIA:** Sunny and mild through 8th. Cool moist easterly flow 9th through 11th brought rain and drizzle statewide. Weekly temperatures 1 to 5° above normal. Extremes: 81 and 29°. Rainfall from less than 0.50 in. to 1.50 in. south central.

Soil moisture surplus to adequate. Potatoes 76% dug, 85% in 1974. Corn for grain 15% harvested; 6% 1974; 65% mature, 19% dent. Ensilage harvest 80%, 82% 1974. Barley 86% sown, 95% in 1974. Wheat 63% sown, 73% 1974. Little hay made, quality fair to good.

**PUERTO RICO:** Island average rainfall 1.61 in. Highest weekly total 8.06 in. at Hacienda Contanza. Highest 24-hour total 5.46 in. at Hacienda Contanza. Temperatures averaged 80° on coasts and 74° interior. Extremes: 93 and 58°.

Good weather for cultivation of sugarcane. Coffee harvesting made good progress. Repairs being made to roads affected by the heavy rains and floods. Tobacco farmers working on soil preparation for planting. Conditions favorable for planting, fertilizing and cultivating of pastures. Insect control underway. Recuperation of food crops from effects of rains and floods noted most localities.

**SOUTH CAROLINA:** Temperatures early period cooler than usual, above normal thereafter. Rains mid-week totaled over 2.00 in. northwest and scattered other localities. Rainfall light south.

Crop conditions fair to good. Corn harvested 79%, 79% 1974, 71% average. Cotton harvest slow, 14% complete, 27% 1974, 26% average. Light soybean harvest underway. Insects damaging young plants as spraying continues in some fields. Fall small grain seedings underway. Wheat seedings 8%, 5% 1974, 7% average. Oats seedings 12%, 16% 1974, 16% average. Cucumber picking tapering off in coastal counties.

**SOUTH DAKOTA:** Temperatures averaged from normal to 10° above normal. Little significant precipitation.

Excellent drying and harvest weather made past week one of fastest weeks on record for combining soybeans and sorghum. Soybeans 85% combined, 1974 92%, normal 57%. Sorghum 70% combined, 1974 68%, normal 50%. Corn 31% harvested, 1974 51%, normal 35%. Over a third of the sunflowers have been harvested and over half of the alfalfa seed crop has been combined. Supplemental feeding continues as pastures are drying up and short in many areas. Many cattle are still moving to market.

**TENNESSEE:** Temperatures averaged 4° above normal east, 8° above normal west. Rainfall averaged 1.50 in. mid and east.

Light frost in some areas, no damage. Soil moisture 25% surplus, 72% adequate, 3% short. Fieldwork averaged 3.5 days suitable. Soybeans 18% mature, 1974 14%, normal 31%. Corn 35% harvested, 1974 27%, normal 35%. Cotton picked 15%, 1974 8%, normal 23%. Open bolls 55%, 1974 42%, normal 67%. Large amount insect damage and boll rot. Burley tobacco 20% stripped, 1974 18%, normal 16%. Rains delayed curing. Wheat 40% seeded, oats 67%, barley 65%, all ahead of 1974. Early seeded small grain good germination and growth. Pastures fair.

**TEXAS:** Warm weather with record maximums several areas late week. Moisture returned to eastern half, cloudiness and dense fog south and east. Temperatures slightly above normal along coast and far west, eastern half temperatures 7° above normal. Precipitation fell over all except few areas in Lower Rio Grande Valley.

Seeding wheat and oats good progress but lags 1974. Farmers dry planted much of wheat and oat crop, rain needed to establish stands. Early fields have emerged but growth slow. Harvest of cotton, corn, sorghum, peanuts and soybeans aided by near ideal weather and made excellent progress. Harvest of cotton, corn and sorghum has reached completion south half. Early cotton defoliation on High Plains rapidly maturing the crop. Harvest will probably start before the first freeze. Sorghum harvest complete from Blacklands southward except fall stands in South and Rio Grande Valley. On High and Low Plains, harvest making rapid progress. Major crops percent planted: Wheat 68, 1974 78, average 87; oats 70, 1974 72, average 74. Major crops percent harvested: Cotton 24, 1974 25, average 24; corn 79, 1974 66, average 80; sorghum 77, 1974 56, average 62; peanuts 69, 1974 45, average 53; soybeans 11, 1974 7, average 25; sugarbeets 13, average 34.

High Plains: Potatoes remain light volume. Lettuce cutting continues. Cabbage, carrots, green peppers, tomatoes being harvested. Trans-Pecos: Green pepper harvest in progress. East: Sweetpotato harvest full swing. Light supplies watermelons still available. San Antonio-Winter Garden: Cabbage, carrots, beets, spinach making good progress. Spinach, carrots, onions still

being planted. Cucumber, squash harvest rapidly nearing completion. Laredo: Tomatoes making fair progress. Onion planting started. Coastal Bend: Spinach planting continues. Spinach, cabbage, carrots, lettuce, onions remains active. Green peppers, tomatoes making good growth. Pecans harvest progressing northward. Citrus picking gaining momentum Lower Rio Grand Valley as early oranges available in quantity. Grapefruit supplies remain light, volume not expected until after November 1st.

Livestock holding up well, while ranges continue decline as moisture is short many areas. Grazing adequate on parts of Low Plains, southern High Plains, Coastal Bend and Lower Rio Grand Valley. Other areas, grazing available but continues decline. Heavy herd culling underway across State as ranchers prepare for winter. Ticks, screwworms still causing problems from Low Plains southward, but should let up with dry, cool weather.

UTAH: Heaviest storm in over a month covered much of State. Another heavy storm northwest over weekend. Accumulated amounts moisture generally moderate to heavy. Average temperatures ranged from 5° below normal to 5° above.

Harvest activities continue though interrupted by local showers. Third crop alfalfa hay about 82% made. Corn for silage about 83% in silo. Potatoes also being harvested, 38 to 40% into storage. Apple harvest 40% complete. Sugarbeet harvest beginning. Soil moisture on dryland crop and rangeland still short. Winter wheat planting nearly 83%. Movement of livestock to winter range continues.

VIRGINIA: Fair with warming trend early followed by rain, cool weather end of week. Fair, cooler on 12th. Extremes: 83 and 26°. Rainfall averaged about 1.00 in.

Fieldwork: 3.8 days favorable. Topsoil moisture 80% adequate, 20% surplus. Corn grain harvest 36%, 1974 42%, average 41%. Wet fields slowed progress. Soybeans 2% harvested, 1974 5%, average 5%. No frost damage to date. Peanuts 57% dug, 28% combined; 1974 74%, 34%; average 49%, 33%. Curing, grading tobacco continues. Poor haying conditions. Pastures excellent. Apples 60% harvested, 1974 74%. Harvest of sweetpotatoes, cucumbers, snapbeans, cabbage progressed. Small grain seeding: Wheat 21%, 1974 27%, average 25%; barley 45%, 1974 48%; oats 49%, 1974 50%.

WASHINGTON: West: Temperatures normal to 3° subnormal. Precipitation from normal to 1.00 in. above over interior and 2.00 in. above normal along coast.

Rain halted farm activities. Pastures improving. Silage corn harvest delayed by wet fields and immature plants. Sweet corn also immature. Seeding pastures and cover crop rye. Harvesting: celery, potatoes, carrots and pumpkins.

East: Readings from normal to 5° below, rainfall from 0.10 in. to 0.40 in. above average.

Watercore in higher elevation apples. North central apple picking over 50% complete. Red Delicious, corn, dry beans, potatoes, sugarbeets, 4th cutting alfalfa hay. Other activities: Plowing, fertilizing, seeding, winter wheat. Rains replenish surface moisture in eastern small grain fields. Early seeded wheat greening up and stands look good. Stubble fields good fall pastures.

WEST VIRGINIA: Temperatures normal. Precipitation above normal. Heavy frosts throughout.

Favorable workdays, 3.7 days. Soil moisture 68% adequate and 32% surplus. Main fieldwork: Filling silos, seeding small grain and fencing. Potatoes 88% dug; 2d cutting hay 92% and 3d cutting 73% complete. Corn 11% dented, 48% mature and 41% harvested. Fall grains sown: Wheat 41% and barley 49%.

WISCONSIN: Temperatures averaged 3° above normal. Highs in 70's until cooler 10th. Rainfall light, restricted to north and central on 9th and 12th.

Harvesting progress continues good in beautiful October weather. Silo filling 98% done, 1974 and normal 95%. Corn for grain 15% harvested, 1974 5%, normal 8%. Good drying weather, moisture content in low 20's on early varieties. Yields down on light soils where too dry in July, better on heavier soils. Soybeans 25% harvested, 1974 10%, normal 5%. Moisture content of beans 8 to 12%. Third crop hay still being harvested. Mostly green chopping 3d crop, but some baling. Potato harvest near end, good crop. Late vegetables and dry edible beans being harvested. Cranberry harvest progressing rapidly. Apples being picked. Fall plowing 22% done, 1974 20%, normal 22%. Dry conditions limiting plowing. Soil moisture 40% short, 60% adequate. Rain would help winter wheat, new seedings and fall pastures.

WYOMING: Unseasonably warm afternoon temperatures first half. Maximum reached 70's and 80's. Cooling trend midweek and most areas had freeze on 8th or 9th. Coolest extreme west. Mostly dry, but 9th brought substantial precipitation many areas. Average below normal east half, above normal west.

Topsoil moisture very short southeast, adequate west, very short to short elsewhere. Subsoil moisture very short to short. Potatoes dug 60%, sugarbeets lifted 20%; average sugar content 16% to 17%. Dry bean combining nearly over. Corn for grain 55% matured, harvest started. Corn silage 95% complete. Winter wheat 75% emerged. Yearling cattle, 1975 lambs were being marketed. Calves not moving in volume yet. Stock water supplies adequate most areas, short in spots.

## CROP PROSPECTS AT RECORD LEVEL

The Crop Reporting Board, U.S. Department of Agriculture, indicated in its October summary of production prospects that the outlook for two major commodities, corn and soybeans, improved in the past month. At the same time, conditions declined slightly for sorghum, rice, cotton, and tobacco; however, only cotton production is down for the year.

The 1975 corn crop gained 1 percent during the past month and the view is now for a total of more than 5.7 billion bushels. This would mean a harvest 23 percent better than last season and a new record. The average yield, nationally, is put at 86 bushels per acre, against 71 last season.

The forecast for total feed grain production is 202 million short tons, 23 percent ahead of the 1974 level. The outlook for the year calls for sizable increases for each of the four feed grains --corn, oats, sorghum, and barley.

The wheat crop estimate is virtually unchanged from a month ago and holding at 19 percent above last year, which would be a record large harvest of 2.1 billion bushels. The durum crop appears the best ever and other spring wheat is likely to be 14 percent ahead of 1974.

Led by gains for the season in wheat and rice,

total food grain output is likely to be 18 percent better than a year earlier and hit a record 71 million short tons.

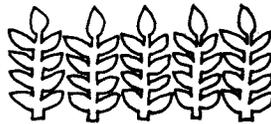
Soybean prospects improved 2 percent in the past month and the crop now is forecast at nearly 1.5 billion bushels for a 19 percent improvement over a year ago. This would be the second largest crop on the books.

Cotton production dipped 3 percent during September and tumbled the year's output prospects 22 percent from the 1974 level to 9.1 million bales.

Combined production of oilseed crops--soybeans, cotton, flaxseed--is up 15 percent from last year and aiming at 50 million short tons.

September weather maintained good crop conditions and the index the Crop Reporting Board uses to measure all commodity prospects together held at a record reading of 121.

A rundown on other crops: sugarbeet output is estimated 31 percent ahead of last year and sugarcane production may rise 18 percent; the orange crop is 3 percent over last season; the tobacco harvest may be 9 percent larger; the projection for hay is up 2 percent from 1974; and the first forecast for fall potatoes shows a crop 8 percent short of a year ago.



1974

1975 <sup>1/</sup>

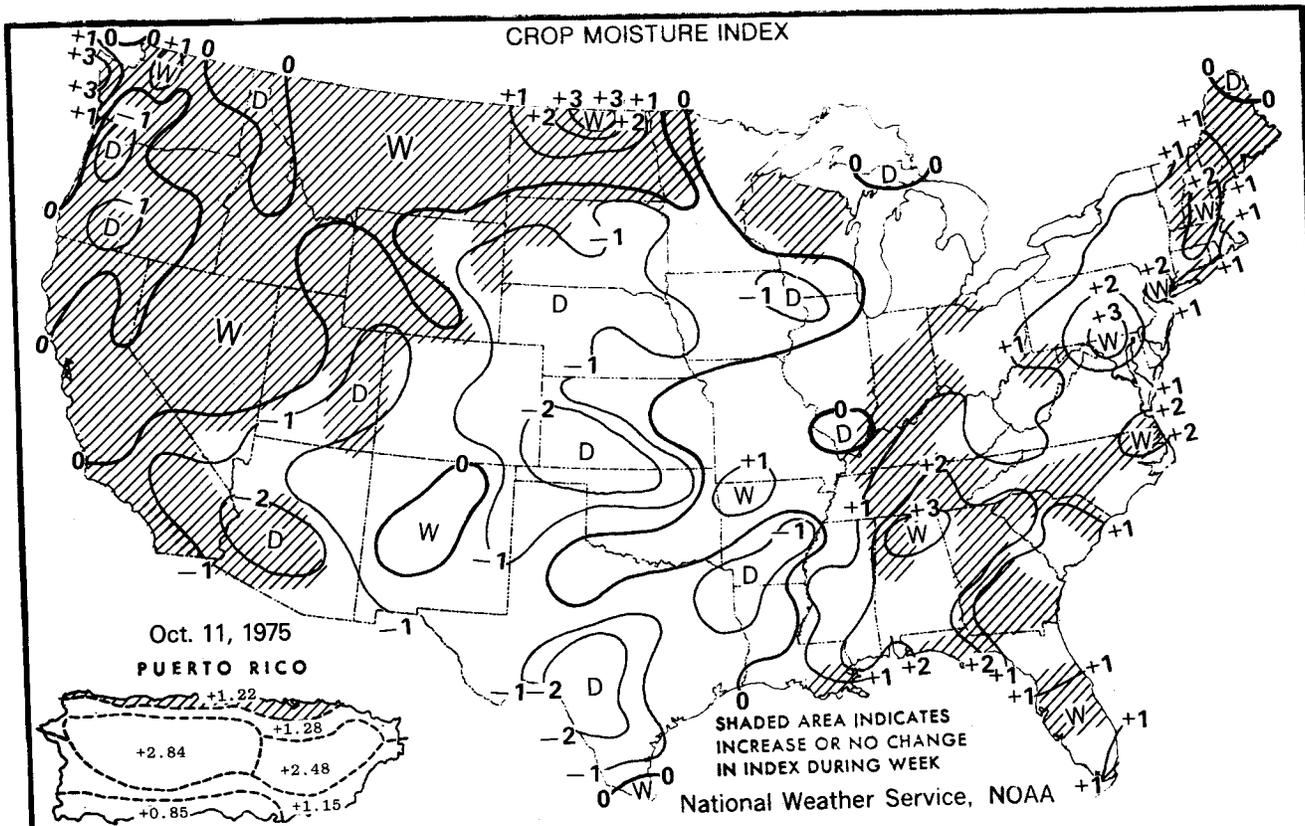
## CORN FOR GRAIN

	-----1,000 bu-----		% increase from 1974
Ill.	830,830	1,203,450	45
Ind.	387,660	565,000	46
Iowa	948,000	1,068,000	13
Kans.	131,480	137,280	4
Mich.	110,410	141,960	29
Minn.	359,900	411,800	14
Mo.	149,050	172,800	16
Nebr.	380,800	520,650	37
Ohio	266,450	322,000	21
Wis.	154,360	197,400	28
U. S.	4,651,167	5,737,266	23

## SOYBEANS FOR BEANS

	-----1,000 bu-----		
Ark.	86,000	106,950	24
Ill.	207,515	294,840	42
Ind.	97,750	116,160	19
Iowa	199,080	222,400	12
Minn.	84,840	91,750	8
Miss.	46,713	64,680	38
Mo.	95,700	106,800	12
Ohio	79,750	97,650	22
U. S.	1,233,425	1,473,782	19

<sup>1/</sup>As of October 1



The Crop Moisture Index measures the degree to which moisture requirements of growing crops were met during the previous week. The index is computed from average weekly values of temperature and precipitation. These values are used to calculate the potential moisture demand. Taking into account the previous soil moisture condition and current rainfall, the actual moisture loss is determined.

If the potential moisture demand, or potential evapotranspiration, exceeds available moisture supplies, actual evapotranspiration is reduced and the CMI gives a negative

<b>UNSHADED AREAS: INDEX DECREASED</b>	
ABOVE	3.0 SOME DRYING BUT STILL EXCESSIVELY WET
2.0 to	3.0 MORE DRY WEATHER NEEDED, WORK DELAYED
1.0 to	2.0 FAVORABLE, EXCEPT STILL TOO WET IN SPOTS
0 to	1.0 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 to	-1.0 TOPSOIL MOISTURE SHORT, GERMINATION SLOW
-1.0 to	-2.0 ABNORMALLY DRY, PROSPECTS DETERIORATING
-2.0 to	-3.0 TOO DRY, YIELD PROSPECTS REDUCED
-3.0 to	-4.0 POTENTIAL YIELDS SEVERELY CUT BY DROUGHT
BELOW	-4.0 EXTREMELY DRY, MOST CROPS RUINED

value. However, if moisture meets or exceeds demand the index is positive.

Shaded areas indicate the index was unchanged or increased from the previous week's value; soils dried in the unshaded areas. Centers of positive and negative areas are identified by W for wet and D for dry.

Local moisture conditions may vary because of differences in rainfall distribution or soil types. The type of agriculture and stage of crop development must be considered when assessing the impact of moisture conditions based on the Crop Moisture Index. Some general guidelines follow.

<b>SHADED AREA: INDEX INCREASED OR DID NOT CHANGE</b>	
ABOVE	3.0 EXCESSIVELY WET, SOME FIELDS FLOODED
2.0 to	3.0 TOO WET, SOME STANDING WATER
1.0 to	2.0 PROSPECTS ABOVE NORMAL, SOME FIELDS TOO WET
0 to	1.0 MOISTURE ADEQUATE FOR PRESENT NEEDS
0 to	-1.0 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1.0 to	-2.0 SOME IMPROVEMENT BUT STILL TOO DRY
-2.0 to	-3.0 DROUGHT EASED BUT STILL SERIOUS
-3.0 to	-4.0 DROUGHT CONTINUES, RAIN URGENTLY NEEDED
BELOW	-4.0 NOT ENOUGH RAIN, STILL EXTREMELY DRY



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## CROP PROGRESS

### SEEDING

Percent of Acreage Seeded  
 As of October 12

winter wheat			
	AVG.	1975	1976
Colo.	1/	1/	96
Idaho	1/	64	69
Ill.	58	54	65
Ind.	50	40	50
Kans.	85	90	80
Ky.	37	23	31
Mich.	85	85	80
Mont.	90	95	90
Nebr.	100	95	95
Ohio	65	65	60
Okla.	79	88	58
Pa.	1/	73	63
S. Dak.	100	100	100
Tenn.	1/	1/	40
Texas	87	78	68
U. S.	1/	73	66

### HARVESTING

Percent of Acreage Harvested  
 As of October 12

corn			soybeans			
	AVG.	1974	1975	AVG.	1974	1975
Ga.	51	46	49	Ala.	1/	2/
Ill.	14	15	34	Ark.	9	6
Ind.	20	10	15	Ga.	7	7
Iowa	15	11	24	Ill.	41	39
Kans.	30	35	45	Ind.	35	25
Ky.	30	25	29	Ia.	42	50
Mich.	10	5	10	Ky.	1/	1/
Minn.	19	31	21	La.	28	41
Mo.	29	28	58	Minn.	54	84
Nebr.	15	30	35	Miss.	16	12
N. C.	45	68	64	Mo.	21	14
Ohio	25	15	15	Nebr.	40	60
S. Dak.	35	51	31	N. C.	1/	1/
Wis.	8	5	15	Ohio	45	45
U. S.	22	23	30	S. C.	1/	2/
				Tenn.	1/	2/
				U. S.	29	30
						43

### cotton

	AVG.	1974	1975
Ala.	1/	1/	0
Ark.	20	10	22
Ga.	42	28	8
La.	24	15	13
Miss.	27	17	6
Mo.	22	11	30
N. C.	22	9	6
Okla.	1/	1/	2/
S. C.	26	27	14
Tenn.	23	8	15
Texas	24	25	24
11-State	24	18	17

### sorghum

	AVG.	1974	1975
Colo.	11	16	20
Kans.	20	10	35
Mo.	32	24	61
Nebr.	25	40	70
Okla.	27	20	37
S. Dak.	50	68	70
Texas	62	56	77
7-State	43	39	62



1/Data not available  
 2/Less than 5%  
 3/Virtually complete