

WEEKLY WEATHER AND CROP BULLETIN

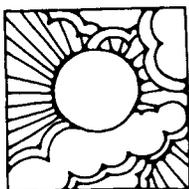
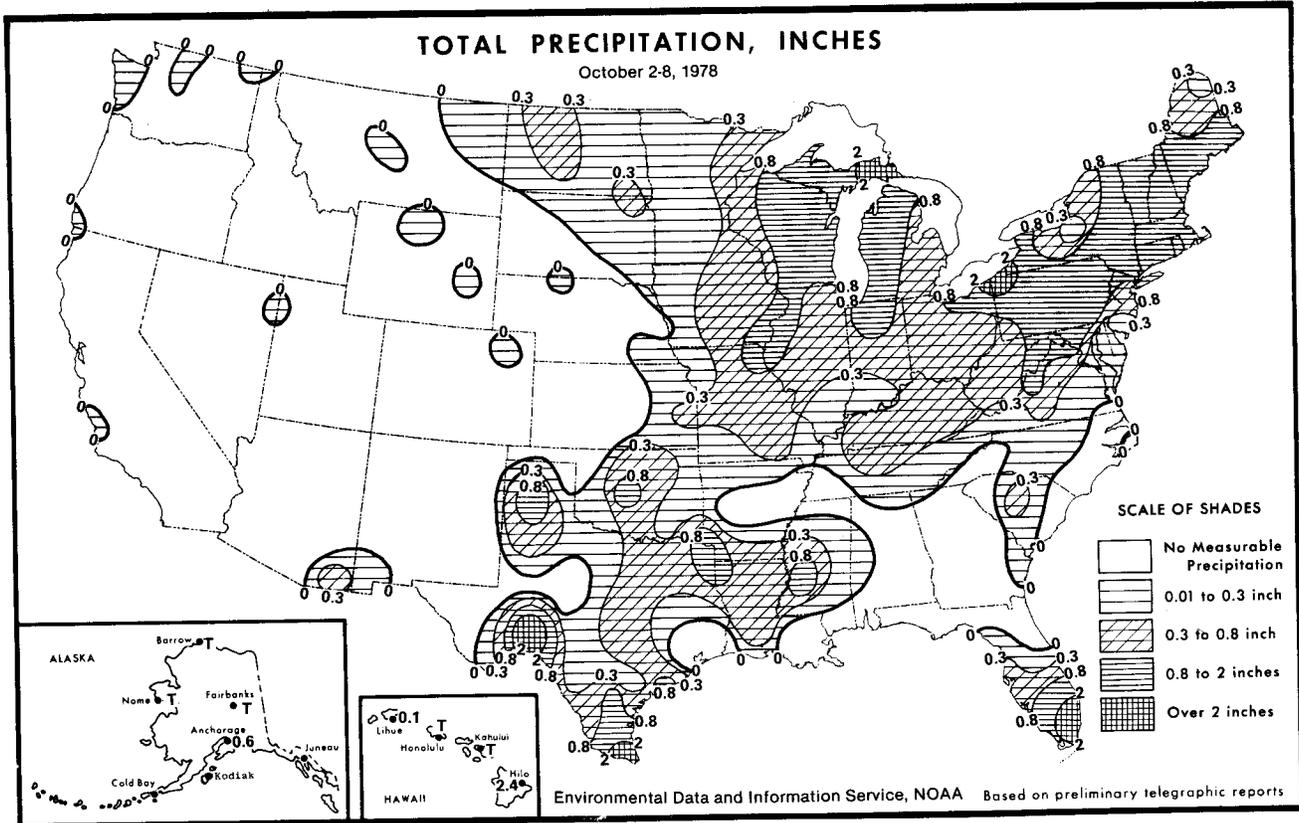
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National Weather Summary

October 2 - 8

HIGHLIGHTS: Unseasonably cool air from Canada moved into the northern Plains on Wednesday and spread rapidly toward the southeast. The southern edge of the frost line crept eastward from the central Rockies into central Illinois.

Temperatures averaged 4 to 6 degrees below normal over most of the East during the week. The largest departure was 9 degrees below seasonal in central Alabama. The Southwest Desert was rather warm with 6 to 9 degrees above normal.

Rain covered most of the nation east of the Rockies except for some dry spots in the central Plains and northeast Gulf region.

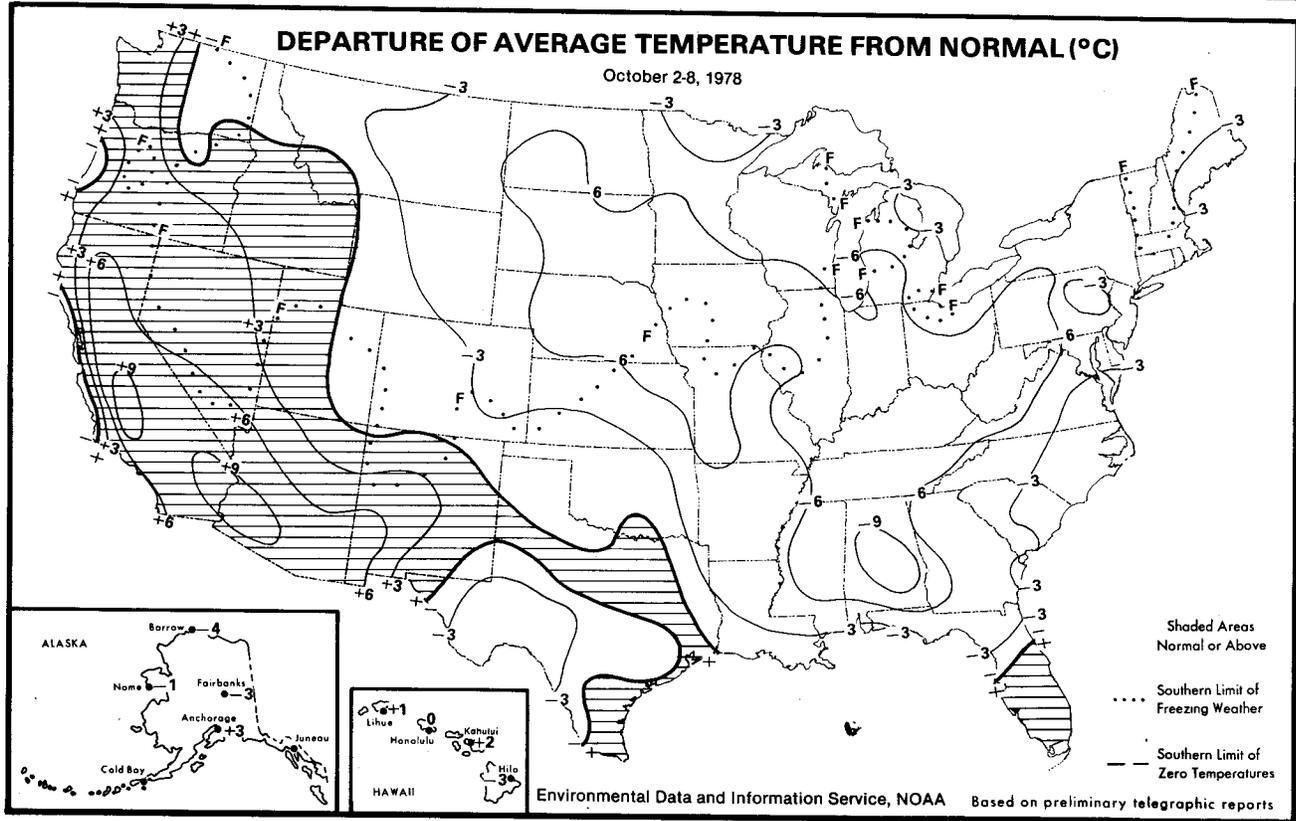
Showers dampened the northern and southern extremes of the Atlantic Coast States on Monday. Eastport, Maine, gathered about a half-inch while West Palm Beach, Fla., noted 1.08 in.

Another area of showers ranged over the upper Midwest and middle Mississippi Valley. Quincy, Ill., at nearly an inch, recorded the heaviest amount.

Meantime Canadian air slipped across the upper half of the Plains and extended eastward to the Great Lakes dropping temperatures 10 to 15 degrees below the previous day's readings.

The clouds opened over South Texas early Tuesday dumping nearly 2 inches on Alice, more than an inch on Palacios, and three-quarters inch on Brownsville. To the east, Jackson, Miss., picked up a bit over an inch. Less than an inch fell over a large area from the Great Lakes region through the Ohio Valley.

Lowland flooding persisted around the still-overflowing Rio Grande River in West Texas.



The Southwest heated up and passed the century mark; Phoenix hit a record-equaling 102°.

Showers dampened several sections of the Nation east of the Rocky Mountains on Wednesday, however, no amounts reached an inch.

The Southwest remained the hottest portion of the country. Temperatures dipped sharply in the Rockies and the upper half of the Plains. Alamosa, Colo., registered a record low of 21°.

On Thursday, once again, showers formed over many parts of the Nation, yet accumulations stayed below an inch. The heaviest rainfall covered the upper Midwest, Great Lakes area, and Delta Region.

Alamosa, Colo., chalked up another record low reading when the mercury plummeted to 19°.

Friday, showers continued over most of the northeast quarter of the Nation and began over South Texas. The heaviest rain was over the southern tip of Texas, where about 2 inches fell.

Strong winds from the North swept across the Great Lakes region, and the frost line moved into western portions of Nebraska and the Dakotas.

Warm temperatures continued over the Desert Southwest. Las Vegas, Nev., set a new record high of 98°.

Showers increased on Saturday to cover most areas east of the Mississippi River, and also formed over the Pacific Northwest. Rainfall was generally less than one inch.

The frost line crept eastward to cover almost all of Nebraska and the Dakotas.

A 99 degree temperature at Las Vegas, Nev., was the highest ever recorded there so late in the season.

Rains decreased in the East by Sunday morning, but formed again from Texas to the western Great Lakes during the afternoon.

Large, cool high pressure moved into Illinois allowing the frost level to move into the western half of the State. Several stations set new record low temperatures, such as Birmingham and Huntsville, Ala., with 36°, and Orlando, Fla., with 57°.



National Agricultural Summary

October 2 - 8

HIGHLIGHTS: Open weather allowed harvest operations to move briskly in all areas except parts of the Lakes States. Light frost touched the northern areas of the Great Plains, Corn Belt, New England, and high elevations. Corn harvest advanced to 25%, a 10-point increase for the week. Last year corn harvest stood at 31% and on the average 22%. Soybean harvest stood at 28%, surpassing last year's 21% and just behind the 29% average. Cotton picking advanced to 23%, lagging 1977's 29%, but ahead of the 21% average. Sorghum harvest reached 42%, short of both last year's 47% and the 42% average. Winter wheat seeding gained momentum in the important southern Plains, and in the 11 major producing States stood at 72%, compared with 76% last year and the 74% average. Pastures rated fair to good except in the Southeast and some of the Mountain States.

SMALL GRAINS: Small grain harvests were virtually complete. Pacific Northwest growers had some high elevation fields to combine.

Winter wheat seeding advanced 24 points for the week to reach 72%. Last year planting stood at 76% and on the average 74%. Seeding advanced rapidly in all areas of Texas. Previously dry-sown fields rated good and grew rapidly. In Oklahoma, 14% of the fields were up to stand, but no pasture was available yet. Kansas stands emerged slowly because of dry soils in some areas. Winter wheat seedings were almost complete in the northern Great Plains.

Winter wheat seeding in the Corn Belt held its lead over last year but remained less than average. Pacific Northwest growers prepared seedbeds and planted winter wheat; early seedings emerged.

CORN: Most of the nation's corn was matured, ranging from 78 to 95% in the Corn Belt. Light frost reached as far south as Nebraska.

In the eastern north central States, harvest reached 18%, an 8-point increase for the week. Last year progress stood at 20% and the average at 15%. Illinois and Indiana made most progress harvesting 10% of their crop in the past seven days.

In the western north central States, harvest advanced to 23%, a 12-point increase during the week. Last year harvest reached 32% and on the average 21%. Minnesota rains slowed some row crop harvests but not corn. The Iowa crop rated very good but some stalk rot, ear drop, and lodging was reported; harvest losses remained light.

Harvest in the southern States ranged from a low of 44% in Arkansas which was far behind normal, to 71% in Mississippi which far exceeded the average, and 94% in Louisiana which was 9 points ahead of average.

SOYBEANS: Soybeans in the eastern Corn Belt were almost mature. Frost helped leaf shed and drying. Harvest advanced to 46%, far exceeding 1977's 28% and only one point below the 47% average.

In the western Corn Belt, mature beans ranged from 42% in Missouri which was far behind recent years, to a more normal 95% in several other States. Harvest advanced to 34%, an 18-point increase for the week. Last year combining stood at 26% and the average was 34%.

In the south central States, harvest advanced slowly to 12%, a 2-point increase for the week.

Last year harvest reached 14% and the average hit 12%. In Oklahoma, growers diverted some acreage to hay.

COTTON: Cotton generally rated fair except poor in the Southeast. Dry conditions defoliated South Carolina stands rapidly. Open bolls ranged from 73% in Oklahoma to 97% in Mississippi. Development of the cotton crop generally exceeded previous years. Picking in the 11 major producing States reached 23%, compared with 29% last year and the 21% average. Texas harvest started on the High Plains. Rains caused regrowth and could present some harvest problems.

Arizona growers defoliated stands; harvest increased in central areas and was well along in the west. New Mexico bolls opened slowly; harvest was limited. California growers continued to defoliate plants.

OTHER CROPS: Grain sorghum harvest in the 7 major producing States reached 42%, lagging 1977's 47% and the 43% average. In Kansas, 75% was mature, Nebraska 95%, Missouri 80%, and Colorado 60%. Texas harvest was active on the southern High Plains and early harvest started on the northern High Plains. Oklahoma should start harvesting in the Panhandle soon.

Maine's potatoes rated good; harvest neared completion. Michigan potato harvest, at 60%, equaled a year ago. Minnesota harvest advanced to 78%, about on schedule. North Dakota potato digging stood at 75%, lagging last year by 10 points. Idaho potato harvest advanced to 40%.

Rice harvest was well along in the Delta States. Louisiana harvest reached 96%, and both Arkansas and Mississippi advanced to 82%. All three States exceeded last year and the average. Texas second crop harvest got underway. California growers drained fields and harvested severely lodged stands.

FRUITS AND NUTS: Apple harvest was well advanced and ranged from 80% in southern areas to 60% in northern production areas. Grape harvests continued in northern States. California raisin salvage operations continued; considerable tonnage moved to distillers. Pecans rated fair in Florida and Mississippi but good in Georgia and Arkansas. Georgia pecan harvest stood at 2%. California harvested almonds and walnuts. Oregon harvested filberts and walnuts.

Florida citrus trees rated excellent. Cool temperatures aided fruit coloring. Texas citrus sized well after recent rains; growers harvested early oranges. California Navels sized well in the Central Valley.

VEGETABLES: Growers in northern production areas harvested tomatoes, cabbage, celery, cauliflower, and carrots. Southern growers harvested a wide range of vegetables including cucumbers, snap beans, squash, eggplant, and okra. Florida vegetable planting progressed; plant growth and fruit sizing scored very good. California had good supplies of broccoli, cauliflower, and celery. Fresh market tomato supplies were strong, while processing harvest was finished up.

PASTURES AND LIVESTOCK: Pastures rated fair to good in eastern areas except in the extreme Southeast. In the West, pastures rated mostly fair with poor ratings in some of the Mountain States. Texas pastures improved; cattle moved to new wheat fields. California's new grass was drying; producers provided supplemental feed to herds. Colorado rangeland rated poor and forage held in short supply. Grasslands in the Pacific Northwest rated good to excellent. Livestock producers continued to move herds from summer ranges to winter grazing lands.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., Oct. 8, 1978

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 . . .	59	- 9	0	-.6	LA. Baton Rouge . . .	69	- 3	0	-.7	Youngstown . . .	51	- 6	1.1	+ .5
Mobile . . .	70	- 3	0	-.8	Lake Charles . . .	72	- 2	0	-.8	OKLA. Okla. City . . .	67	0	.9	+ .2
Montgomery . . .	60	-10	0	-.7	New Orleans . . .	72	- 1	0	-.7	Tulsa . . .	65	- 2	.5	- .4
ALASKA Anchorage . . .	43	+ 3	.6	+ .2	Shreveport . . .	68	- 4	.9	+ .2	OREG. Astoria . . .	58	+ 3	T	- 1.2
Barrow . . .	17	- 4	T	-.1	MAINE Caribou . . .	45	- 3	.3	+.5	Burns . . .	56	+ 4	0	-.1
Fairbanks . . .	30	- 3	T	-.2	Portland . . .	52	- 1	1.3	+.6	Medford . . .	61	+ 3	0	-.3
Juneau . . .	---	---	---	---	MD. Baltimore . . .	57	- 5	1.3	+.3	Pendleton . . .	55	- 2	0	-.2
Kodiak . . .	---	---	---	---	MASS. Boston . . .	54	- 5	1.0	+.4	Portland . . .	61	+ 4	0	-.6
Nome . . .	32	- 1	T	-.4	Chatham . . .	55	- 5	1.0	-.1	Salem . . .	59	+ 2	0	-.7
ARIZ. Flagstaff . . .	57	+ 6	0	-.4	MICH. Alpena . . .	49	- 2	.7	+ .2	PA. Allentown . . .	56	- 2	1.1	+ .5
Phoenix . . .	86	+ 9	0	-.1	Detroit . . .	52	- 5	.6	0	Erie . . .	51	- 4	2.5	+ 1.8
Tucson . . .	80	+ 6	T	-.2	Flint . . .	52	- 3	.6	+ .1	Harrisburg . . .	56	- 4	1.0	+ .4
Winslow . . .	65	+ 3	0	-.2	Grand Rapids . . .	48	- 8	1.6	+ 1.0	Philadelphia . . .	58	- 3	.2	-.4
Yuma . . .	88	+ 8	0	0	Houghton Lake . . .	47	- 5	1.1	+ .5	Pittsburgh . . .	50	- 7	.7	+ .1
ARK. Fort Smith . . .	63	- 5	T	-.8	Lansing . . .	50	- 6	.7	+ .1	Scranton . . .	53	- 4	1.1	+ .5
Little Rock . . .	63	- 4	T	-.7	Marquette . . .	49	- 4	1.2	+ .6	R. I. Providence . . .	54	- 3	1.2	+ .5
CALIF. Bakersfield . . .	82	+11	0	0	Muskegon . . .	51	- 5	1.9	+ 1.2	S. C. Charleston . . .	67	- 3	0	-.9
Eureka . . .	55	0	T	-.5	S. Ste. Marie . . .	47	- 3	2.4	+ 1.7	Columbia . . .	66	- 2	.6	-.1
Fresno . . .	77	+ 9	0	-.1	MINN. Duluth . . .	47	- 3	.5	-.1	Greenville . . .	63	- 3	0	-.8
Los Angeles . . .	74	+ 4	0	0	Internatl Falls . . .	46	- 2	1.1	-.4	S. D. Aberdeen . . .	48	- 5	.1	-.2
Red Bluff . . .	75	+ 6	0	-.1	Minneapolis . . .	52	- 3	.2	-.3	Huron . . .	47	- 7	.1	-.3
San Diego . . .	71	+ 3	0	0	Rochester . . .	48	- 6	.4	-.1	Rapid City . . .	51	- 3	T	-.2
San Francisco . . .	61	- 2	0	-.1	St. Cloud . . .	48	- 6	.1	-.3	St. Louis Falls . . .	47	- 8	.1	-.4
Stockton . . .	73	+ 6	0	-.1	MISS. Jackson . . .	64	- 6	1.1	+ .6	TENN. Chattanooga . . .	60	- 5	.2	-.5
COLO. Denver . . .	54	- 2	0	-.3	Meridian . . .	63	- 6	T	-.5	Knoxville . . .	59	- 6	.1	-.5
Grand Junction . . .	59	- 1	0	-.2	MO. Columbia . . .	57	- 5	.6	-.3	Memphis . . .	62	- 5	T	-.6
Pueblo . . .	56	- 3	0	-.2	Kansas City . . .	57	- 6	T	-.9	Nashville . . .	58	- 7	.4	-.1
CONN. Bridgeport . . .	57	- 4	1.4	+ .8	St. Louis . . .	56	- 8	.3	-.3	TEX. Abilene . . .	71	+ 1	T	-.6
Hartford . . .	51	- 5	1.1	+ .4	Springfield . . .	57	- 6	.1	-.8	Amarillo . . .	63	- 1	.9	+ .4
D. C. Washington . . .	61	- 3	.9	+ .3	MONT. Billings . . .	50	- 3	0	-.2	Austin . . .	73	- 1	.4	-.4
FLA. Apalachicola . . .	70	- 4	0	- 1.1	Glasgow . . .	46	- 5	.1	-.2	Beaumont . . .	75	+ 1	T	-.9
Daytona Beach . . .	76	0	0	- 1.5	Great Falls . . .	49	- 3	T	-.2	Brownsville . . .	80	+ 2	4.0	+ 3.0
Ft. Myers . . .	---	---	---	---	Helena . . .	49	- 2	0	-.1	Corpus Christi . . .	78	+ 1	.8	0
Jacksonville . . .	70	- 4	0	- 1.4	Kallispell . . .	45	- 2	0	-.3	Del Rio . . .	71	- 4	.8	+ .2
Key West . . .	84	+ 3	.4	- 1.1	Miles City . . .	49	- 5	T	-.2	El Paso . . .	70	+ 2	0	-.2
Lakeland . . .	---	---	---	---	Missoula . . .	47	- 1	0	-.2	Fort Worth . . .	72	0	.5	-.2
Miami . . .	82	+ 2	2.3	+ .2	NEBR. Grand Island . . .	52	- 6	T	-.4	Galveston . . .	78	+ 2	0	-.8
Orlando . . .	79	+ 2	.2	- 1.0	Lincoln . . .	52	- 8	T	-.5	Houston . . .	72	- 2	T	- 1.0
Tallahassee . . .	69	- 4	0	- .9	Norfolk . . .	50	- 7	T	-.4	Lubbock . . .	66	+ 1	.4	-.2
Tampa . . .	77	0	.7	- 1	N. Platte . . .	49	- 7	0	-.3	Midland . . .	65	- 5	0	-.4
W. Palm Beach . . .	79	0	2.7	+ .3	Omaha . . .	51	- 8	0	-.5	San Angelo . . .	68	- 3	T	-.5
GA. Atlanta . . .	63	- 3	0	-.6	Valentine . . .	49	- 6	T	-.3	San Antonio . . .	74	0	.2	-.6
Augusta . . .	64	- 4	0	-.6	NEV. Ely . . .	53	+ 3	0	-.1	Victoria . . .	75	0	.2	-.8
Macon . . .	66	- 4	0	-.6	Las Vegas . . .	80	+ 8	0	0	Waco . . .	73	0	.3	-.4
Savannah . . .	69	- 2	.3	-.6	Reno . . .	59	+ 5	0	-.1	Wichita Falls . . .	69	- 1	.1	-.6
HAWAII. Hilo . . .	72	- 3	2.4	+ .3	Winnemucca . . .	55	+ 3	0	-.1	UTAH. Blanding . . .	---	---	---	---
Honolulu . . .	80	0	T	-.2	N. H. Concord . . .	49	- 4	1.3	+ .7	Salt Lake City . . .	58	+ 1	0	-.2
Kahului . . .	80	+ 2	T	-.1	N. J. Atlantic City . . .	56	- 5	T	-.7	VT. Burlington . . .	48	- 5	1.1	+ .5
Lihue . . .	79	+ 1	.1	-.6	Trenton . . .	57	- 4	.4	-.2	VA. Lynchburg . . .	57	- 5	.7	+ .1
IDAHO. Boise . . .	58	+ 2	0	-.1	N. MEX. Albuquerque . . .	67	+ 4	T	-.2	Norfolk . . .	65	0	0	-.8
Lewiston . . .	57	+ 1	0	-.2	Roswell . . .	66	+ 2	T	-.4	Richmond . . .	61	- 2	.1	-.6
Pocatello . . .	54	+ 1	0	-.1	N. Y. Albany . . .	51	- 4	1.0	+ .4	Roanoke . . .	56	- 6	.1	-.7
ILL. Cairo . . .	60	- 6	.2	-.4	Binghamton . . .	49	- 5	1.2	+ .6	WASH. Colville . . .	50	- 1	0	-.3
Chicago . . .	53	- 7	.4	-.2	Buffalo . . .	51	- 4	1.5	+ .8	Omak . . .	52	- 1	0	-.1
Moline . . .	53	- 6	1.0	+ .3	New York . . .	57	- 5	.5	-.1	Quillayute . . .	56	+ 3	.2	- 2.0
Peoria . . .	54	- 6	.7	-.2	Rochester . . .	52	- 4	.5	-.1	Seattle-Tacoma . . .	59	+ 4	0	-.7
Rockford . . .	51	- 6	.5	-.2	Syracuse . . .	53	- 3	.2	-.4	Spokane . . .	51	- 2	0	-.3
Springfield . . .	54	- 5	.6	-.2	N. C. Asheville . . .	57	- 4	0	-.8	Walla Walla . . .	60	+ 1	0	-.3
IND. Evansville . . .	55	- 8	.1	-.5	Charlotte . . .	62	- 4	.2	-.5	Yakima . . .	55	0	0	-.1
Ft. Wayne . . .	52	- 6	.3	-.3	Greensboro . . .	60	- 3	.1	-.6	W. VA. Beckley . . .	51	- 6	.3	-.3
Indianapolis . . .	53	- 7	.5	-.1	Hatteras . . .	67	- 2	T	- 1.1	Charleston . . .	55	- 6	.5	-.1
South Bend . . .	53	- 5	1.7	+ 1.0	Raleigh . . .	63	- 1	.2	-.5	Huntington . . .	55	- 6	.4	-.1
IOWA. Burlington . . .	53	- 7	.9	+ .1	Wilmington . . .	67	- 2	0	-.9	Parkersburg . . .	54	- 7	.4	-.1
Des Moines . . .	53	- 6	.6	0	N. DAK. Bismarck . . .	45	- 7	.4	+ .2	WISC. Green Bay . . .	49	- 4	1.8	+ 1.3
Dubuque . . .	50	- 6	.7	-.1	Fargo . . .	48	- 4	.1	-.2	La Crosse . . .	51	- 5	.4	-.2
Sioux City . . .	50	- 8	.1	-.4	Williston . . .	47	- 4	.2	0	Madison . . .	48	- 6	.8	+ .2
KANS. Concordia . . .	57	- 5	0	-.5	OHIO. Akron-Canton . . .	52	- 5	.7	+ .1	Milwaukee . . .	51	- 4	.9	+ .4
Dodge City . . .	61	- 2	T	-.4	Cincinnati . . .	54	- 7	.5	0	WYO. Casper . . .	49	- 3	0	-.2
Goodland . . .	54	- 3	T	-.3	Cleveland . . .	55	- 3	1.5	+ .9	Cheyenne . . .	48	- 4	T	-.2
Topeka . . .	56	- 6	T	-.7	Columbus . . .	53	- 6	.7	+ .3	Lander . . .	50	- 2	0	-.3
Wichita . . .	61	- 3	0	-.7	Dayton . . .	54	- 6	.6	+ .2	Sheridan . . .	49	- 3	T	-.3
KY. Lexington . . .	55	- 7	.5	0	Toledo . . .	52	- 5	.3	-.2	P. R. San Juan . . .	---	---	---	---
Louisville . . .	57	- 6	-.3	---										

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 ESCS State offices in cooperation with the National Weather Service.

ALABAMA: Temperatures 5° below normal. Rain-fall limited.

Soil moisture short. Fieldwork: 5.8 days suitable. Cotton 31% harvested, 28% 1977, 14% average. Corn 70% harvested, 76% 1977, 49% average. Soybeans fair condition; 15% harvested, 12% 1977, 10% average. Peanuts 60% combined, 41% 1977, 81% average. Wheat seedings 35% complete. Pastures less than fair condition.

ARIZONA: Sunny skies, warm temperatures. Light precipitation southeast, Mocolon Rim. Temperatures 6 to 9° above normal western half, 2 to 4° above eastern half.

Cotton defoliation, harvest gaining momentum central areas. Western area full swing, many fields completed. Sorghum harvest past peak. Corn harvest active. Sugarbeets excellent condition southeast, warm spell encouraged further growth. Spring beets good progress, some good stands. Alfalfa haying active, weather conditions lengthening growing season. Renovation, planting new fields about complete. Field preparation underway for small grains. Lettuce harvest increasing southeast. Pre-harvest preparations complete early lettuce central areas. Harvest cantaloups, honeydews underway. Lemon harvest gaining momentum Yuma area. Other citrus good progress. Scattered rain higher elevations, insufficient to restore soil moisture or fill stock tanks. Lower mid-elevations dry; range feed short. Marketing range cattle increasing. Sheep on lower valley pastures. Cattle, calves fair to good condition.

ARKANSAS: Dry with light rain midweek. Temperatures began warm, cooled during week. Freezing temperatures in northern areas. Extremes: 92 and 31°. Most precipitation 0.96 in., least none.

Soybean and cotton harvesting gaining momentum, rice harvest slowing. Soil moisture short to adequate. Fieldwork: 6.2 days available. Soybean harvest 6%, 8% last year and average. Crop condition fair to good. Cotton 22% harvested, 24% 1977, 39% average; open bolls 85%. Rice 82% harvested, 75% 1977, 76% average. Corn 44% harvested, 90% 1977, 89% average. Sorghum harvest 91% last year, average 85%. Small grain seeding active. Wheat 24% planted, 20% 1977, 21% average. Apple harvest virtually completed; quality good. Pecan condition good. Pastures below average to average. Hay harvest nearing completion. Cattle fair to good condition.

CALIFORNIA: Temperatures considerably above normal. Except for coast, double digit departures from normal noted. Stagnant high pressure continues to dominate and again no precipitation. Highest temperatures over 100° in desert, southern San Joaquin and central coast. Northern interior locations quite cold, a few mornings with lows into low 20's.

Harvest field corn continues Sacramento Valley. Silage corn cutting past peak. Digging sugarbeets. Kidney bean harvest picking up. Cotton defoliation activity increasing. Draining rice fields. Severe lodging exists. Harvest continues. Alfalfa hay cut, baled. Land preparation fall planting small grains. Grain sorghum maturing rapidly, harvest begun. Safflower harvest continued. Raisin grapes fieldwork salvage operations continue. Considerable tonnage moving to distilleries. Table grape volume down. Central Valley Navel oranges sizing well.

Almond and walnut harvests continue. Broccoli, cauliflower, celery, lettuce good supplies. Carrots slow. Fall potatoes picking up. Sweetpotatoes active. Fresh market tomatoes and bell peppers strong. Processing finishing up. New grass beginning to dry lower elevation rangelands. Supplemental feeding active. Calving continued. Sheep grazing harvested fields.

COLORADO: Mild days and cool nights with no precipitation. Freezing temperatures most areas on 4th.

Winter wheat seeded 93%, 96% 1977, 93% average; emerged 68%, 82% 1977, 72% average. Summer potato harvest nearing completion. Corn harvested 15%, 27% 1977, 12% average; mature 80%, 91% 1977, 89% average. Dry beans threshed 85%, 92% 1977, 87% average. Sorghum ripe 60%, 84% 1977; harvested 6%, 19% 1977, 13% average. Fieldwork: 6.5 days suitable. Ranges and pastures poor to very poor condition. Livestock good condition. Forages in short supply.

FLORIDA: Below normal rainfall and temperatures north; near normal rainfall, humid, above normal temperatures central, south through 6th. Spotty precipitation, over 0.50 in. north, but averaged 0.75 to near 2.00 in. central, south. Autumn's first strong cool front moved into Panhandle 6th, and pushed through by 7th. Only spotty light showers accompanied front. Much drier and cooler air swept behind front with no precipitation 7th and 8th. Near record low temperatures morning of 8th with minimum in 40's north, 50's central and 60's south.

Soil moisture short north, west, some central areas; mostly adequate south. Peanut harvest active. Soybean harvest gaining momentum. Dry soils reduced late prospects. Corn harvest mostly complete. Haying quite active. Sugarcane prospects good; cane cutting for planting active. Pecan prospects fair; premature droppage heavy. Seeding small grains progressing, more rain needed. Pastures in Panhandle, northern Peninsula, and central mostly poor to fair, good to excellent south. Cattle good condition. Citrus tree condition generally excellent. Rain needed; irrigation in use most areas. Cool temperatures aiding fruit color. Limited fresh shipments new crop fruit. Vegetable crops generally good condition, improving. Plantings continue active, some crops complete. Plant growth, sizing, fruit set very good. Cooler weather very beneficial. Harvest increasing sweet corn, eggplant, pole beans, squash, radishes, okra, cucumbers, Gadsden County tomatoes. Harvest snap beans, tomatoes continue light, Pompano area. Mini-carrot harvest underway Zellwood area. Spray programs active, irrigation steady. Laying of plastic active for strawberry transplanting. Light planting expected to start this week.

GEORGIA: Temperatures 1 to 3° below normal, ranging from near 60's mountains, mid-60s north to low 70's south. Rainfall light to none, except near 0.50 in. extreme north and near 1.00 in. Savannah area. First freezing temperatures extreme north with scattered areas of frost as far south as an Atlanta to Augusta line early week.

Soil moisture very short. Crop conditions steady decline. Fieldwork: 6 days suitable. Corn poor to fair; 82% harvested, 77% last year, 52% average. Peanuts fair to good; 91% dug, 83% threshed, last year 66% dug, 55% threshed, average

85% dug, 76% threshed. Soybeans poor to fair; 7% combined, 3% last year, 2% average. Cotton fair, 84% open, 20% harvested, last year 73% open, 23% harvested, average 14% harvested. Apples fair to good; 93% picked, 80% last year. Pecans mostly fair to good; 2% harvested, 3% last year, 2% average. Small grain seeding slowed by dry soils; wheat, rye and other 11% complete. Last year wheat 20%, rye 25%, other small grains 27%. Pasture and hay crops poor to fair. Cattle fair to good, hogs good.

HAWAII: Weather favorable; many periods of sunshine. Showers generally light mainly higher elevation windward sections.

Irrigation heavy some areas. Spraying frequent for insect control. Vegetable supplies of head cabbage continue heavy; others light to moderate. Papaya supplies heavy. Sugar harvesting steady. Pineapple harvesting slow. Pastures generally good; fair some dry areas.

IDAHO: Temperatures near normal. High 83°, low 21°. No precipitation except trace.

Ideal fall harvest weather. Harvest spring grains virtually complete. Potato harvest very active 40% complete, last year 50%. Onions 80% harvested. Dry beans 60% combined. Winter wheat seeding 65% complete. Livestock moving to lower ranges. Calves in good condition.

ILLINOIS: Temperatures 6 to 8° below normal; frost many areas. Precipitation 0.10 to 1.00 in.; west heaviest.

Corn 25% harvested, 1977 28%, average 23%. Soybeans 63% combined, 1977 33%, average 62%. Winter wheat acreage 35% seeded, 1977 30%, average 44%. Grain sorghum harvest 15% complete. Pasture condition fair to good. Fieldwork: 5.3 days suitable. Soil moisture adequate.

INDIANA: Cool with some showers. First frost in parts of west on 8th. Most minimums in low 30's and not severe. Temperatures averaged 5° below normal. Rainfall 0.60 in. north, 0.40 central, and 0.20 south.

Fieldwork averaged 4 days. Topsoil and subsoil moisture short to mostly adequate. Corn 20% harvested, 1977 20%, average 10%; 95% mature. Soybeans 25% combined, 1977 20%, average 30%; 80% mature, 1977 80%, average 85%. Wheat land 70% plowed, 1977 65%, average 80%. Wheat 35% seeded, 1977 20%, average 40%. Tobacco 95% harvested, 1977 95%, average 80%. Apples 60% picked, 1977 75%, average 65%. Spring cropland 15% plowed.

IOWA: Temperatures 7° subnormal with killing frost and sub-freezing temperatures occurring in scattered sections mornings of 4th, 7th, and 8th. Despite rain at the start of the week and late 8th, below average amounts fell in northwest; however, locally more than 1.00 in. fell in central.

Fieldwork: 5 days suitable. Topsoil and subsoil moisture adequate. Corn very good; harvested 25%, 31% 1977, 16% normal. Stalk rot, ear drop-page and lodging occurring in corn; harvest loss currently light. Soybeans good condition; mature 98%, 100% 1977, 98% normal; harvested 39%, 37% 1977, 39% normal; minimal harvest loss. Popcorn harvest 41%. Sorghum harvest 23%, 29% 1977, 22% normal. Pasture good condition. Livestock good condition. Feeder cattle purchase slowed. Market movement increased.

KANSAS: Local moisture 0.25 to 0.50 in. extreme east and west central; averages generally 0.10 in. to none. Temperatures 57° northwest and north

central to 62° southeast and south central, near normal northwest, 6° below normal north central, 2 to 4° below normal elsewhere. Freezing temperatures during latter half week extreme west and northeast, two to three weeks ahead normal.

Wheat seeding 75% completed, last year 80%, average 75%. Wheat emergence slowed by dry conditions in northwest and west central. Corn harvest 45% complete, last year 50%, average 25%. Corn safe from frost 95%. Sorghum grain harvested 25%, last year 25%, average 20%; mature 75%, last year 75%, average 70%. Soybeans 20% harvested, last year 10%, average 15%. Sugarbeet and dry bean harvest underway. Dry topsoil conditions in western one-third and southeast. Fieldwork: 6.5 days suitable.

KENTUCKY: Temperatures ranged from near normal early week to well below normal after midweek. Rainfall averaged 0.25 to 0.75 in.

Soil moisture short to adequate. Moisture needed for pastures and fall planted crops. Corn harvest 36% complete, last year 42%, average 30%. Soybeans 12% harvested, last year 14%, average 15%. Tobacco harvest near complete; only 5% still in field. Quality good, houseburn light.

LOUISIANA: Temperatures 1 to 5° below normal. Extremes: 90 and 40°. Scattered light showers north.

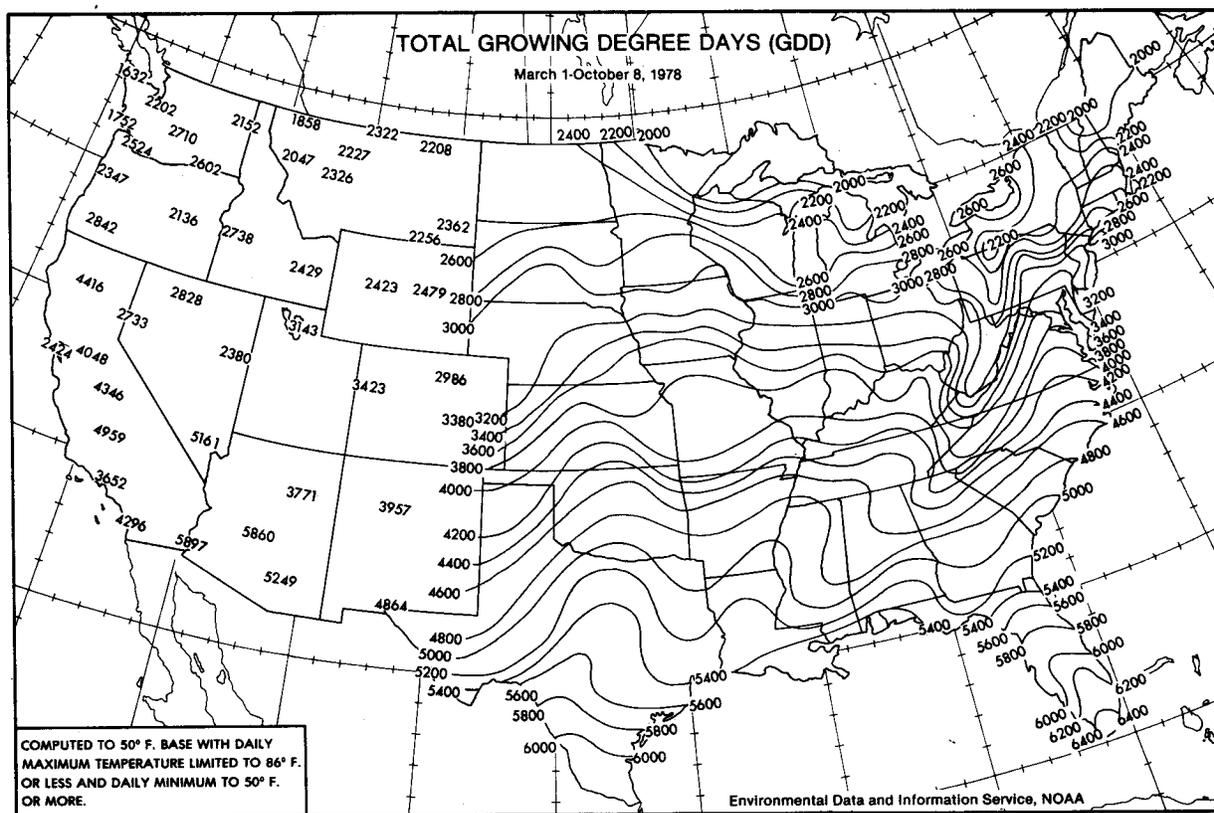
Fieldwork: 5.4 days suitable. Soil moisture mostly adequate. Cotton fair; 84% bolls open, 81% last year, 69% average; 27% harvested, 24% last year, 13% average. Soybeans fair to good; 81% leaves turning, 68% last year; 18% harvested, 24% last year, 21% average. Rice 96% harvested, 95% last year. Corn 94% harvested, 88% last year, 83% average. Sorghum 79% harvested, 80% last year, 73% average. Sweetpotato 70% dug, 65% last year and average. Sugarcane fair to good; 62% planted, 42% last year. Wheat and oats 48% planted. Pasture, hay fair to good. Cattle good.

MARYLAND & DELAWARE: Temperatures 2° below normal. Highs in upper 60's, lows in 50's. Precipitation light. Amounts varying from 0.25 to 1.00 in. Weekend sunny and cold.

Fieldwork: 6.1 days suitable. Topsoil moisture short, subsoil short to adequate. Pastures supplying below average to average amounts of feed. Corn for silage over 95% harvested. Corn for grain 60% harvested, 74% 1977, 55% average. Soybeans 90% shed leaves, 7 days ahead of 1977 progress; 15% harvested, 10% 1977, 8% average. Fall apple harvest at peak. Small grain seeding picking up momentum.

MICHIGAN: Temperatures 2 to 8° below normal. Highs near 70, lows mid-20's. Moderate to heavy frost in some areas. Precipitation 0.50 to 2.40 in. Severe thunderstorms with a few tornadoes reported. Some snow showers also.

Fieldwork: 3 days suitable. Soil moisture surplus. Pasture feed supplies adequate. Grain corn 5% harvested, same last fall and normal. Corn silage 75% chopped, 65% last year, 75% normal. Winter wheat 65% sown, 40% last fall, 85% normal. Dry beans 80% combined, 30% last year, 75% normal. Soybeans 5% harvested, 5% last year, 15% normal. Sugarbeets 5% dug, 5% last fall, 10% normal. Potatoes 60% harvested, 60% last year, 65% normal. Third cut hay 85% baled. Apples: 90% McIntosh picked, 40% Jonathans, 35% Red Delicious. Grapes 45% picked, 100% last fall, 75% normal. Celery and tomatoes 95% harvested; carrots and dry onions 90%; cabbage 80% picked.



MINNESOTA: Temperatures 6° below normal south, 3° below normal north and central. Extremes: 78 and 20°. Precipitation near normal northeast, 0.25 in. below normal elsewhere. Precipitation ranged from less than 0.25 in. most of west and central to more than 0.50 in. northeast.

Midweek showers interrupted soybean, sunflower harvests; were not enough to halt corn picking. Moisture supplies mostly adequate. Field conditions generally good for harvest. Harvested: Corn 20%, 1977 37%, normal 25%; soybeans 51%, 1977 31%, normal 55%; sunflowers 59%, 1977 50%, normal 44%; flax 91%, 1977 85%, normal 93%; sugarbeets 55%, 1977 31%, normal 27%; potatoes 78%, 1977 79%, normal 77%. Nearly all winter wheat, rye seeded.

MISSISSIPPI: Temperatures subnormal north, near normal south. Extremes: 36 and 93°. Rainfall spotty.

Soil moisture very short to short north central and east; mostly adequate elsewhere. Fieldwork: 5.6 days suitable. Harvest progress good. Soybeans 82% shedding, 84% 1977; 44% mature, 53% 1977, 35% average; 16% harvested, 21% 1977; 14% average. Cotton 97% open, 70% average; 37% harvested, 42% 1977, 18% average. Corn 71% harvested, 71% 1977, 40% average. Rice 82% harvested, 79% 1977, 65% average. Sorghum 80% harvested, 72% 1977, 60% average. Hay crops 92% harvested, 89% 1977, 88% average. Winter wheat 43% planted, 37% 1977. Soybeans fair to good condition; cotton and pastures fair. Pecans poor to fair condition.

MISSOURI: Temperatures 3 to 7° below normal. Cold fronts caused variable rains.

Fieldwork: 5.2 days suitable. Soybeans 33% turning color, last year 100%; 42% mature, last year 62%, normal 60%; 16% harvested, last year 13%, normal 17%. Corn 78% mature, last year

97%, normal 100%; 29% harvested, last year 46%, normal 33%. Grain sorghum 80% mature, last year 89%, normal 78%; 35% harvested, last year 49%, normal 32%. Cotton 33% harvested, last year 25%, normal 14%. Winter wheat seedlings 37% complete, last year 23%. Fall plowing for spring planted crops 10% complete, last year 9%. Pasture condition mostly fair to good, slightly improved. Soil moisture supplies short to adequate.

MONTANA: Mild, sunny days and cool nights. Temperatures below normal. Precipitation very light; ranging to 0.19 in.

Soil moisture adequate. Fieldwork: 6.3 days suitable. Harvest progress: Spring wheat, barley and oats virtually complete; potatoes 30%, normal 45%; dry beans 75%, normal 70%; corn silage 85%, normal 90%; sugarbeets 25%, normal 15%. Winter wheat planted 80%, normal 90%; germination and condition good. Livestock good to excellent condition. Livestock good to excellent condition. Cattle moved from summer ranges 35%, normal 50%; sheep moved 40%, normal 55%.

NEBRASKA: Temperatures 4 to 8° below normal. Sub-freezing readings north and west. Little or no rainfall.

Conditions nearly ideal; harvesting progressing rapidly. Light frosts received. Corn 95% mature, 95% year ago, 95% normal; harvest 15% complete, 25% year ago, 20% normal. Sorghum 95% ripe, 90% year ago, 95% normal; harvest over 25% complete, 30% year ago, 25% normal. Soybean leaves shed 95% acreage, 85% year ago, 95% normal; harvest 40% complete, 20% year ago, 35% normal. Winter wheat seeding 95% complete, 90% year ago, 90% normal. Fieldwork: 6.9 days suitable.

NEVADA: Warm and dry. Temperatures 3 to 9° above normal. Extremes: 103 and 17°. No precipitation recorded.

Dry weather ideal for potato harvest. Good progress also made alfalfa seed combining and winter grain seeding.

NEW ENGLAND: Temperatures several degrees below normal, especially during cold air outbreaks 3rd, 4th and 8th. Best rainfall in several weeks; amounts generally ranging from 1.00 to 2.00 in. Most occurred 4th through 6th.

Potato harvest in Aroostook County, Maine almost over. Tuber quality good. Apples smaller than usual, but color and quality very good. Late varieties being picked. Cranberry color and quality excellent. Corn silage harvest 75% complete.

NEW JERSEY: Temperatures 5° below normal. Extremes: 24 and 75°. Rainfall 0.79 in. north, 0.59 in. central and 0.20 in. south.

Fieldwork: 6 days suitable. Soil moisture short south, adequate elsewhere. Harvest of fall vegetables continues. Irish potatoes 75% harvested. Sweetpotato harvest active. Cool temperatures continue to improve apple and cranberry color, harvest at peak. Field corn and soybean harvest increasing. Fall grain and cover crop sowing active. Early planted fields growing nicely. Pasture growth limited.

NEW MEXICO: Temperatures 2 to 3° warmer than normal. Some freezing temperatures higher elevations.

Moisture adequate in southeast, short elsewhere. Cotton opening slowly; harvest very limited. Alfalfa hay harvest over 50% complete in south and a few places have started on sixth cutting. Grain sorghum harvest just beginning. Corn harvest in full swing. Over 90% winter wheat planted, most fields have acceptable stands. Red Chile, and apple harvests active. Lettuce cutting limited. Livestock good, shipping in full swing. Ranges short and growing season ending soon.

NEW YORK: Temperatures 2 to 6° below normal. Rainfall variable, above average in some areas while light in others.

Good week for harvesting progress. Corn silage 70% harvested, 30% 1977. Grain corn 10% harvested, just starting in 1977. Third cutting alfalfa 75% complete. Rain slowed Orange County onion harvest, quality continues good. Celery harvest 90% complete. Harvest of cauliflower, cabbage and potatoes continues. McIntosh apple harvest well along. Concord grapes, Cortland apples being harvested in volume. Delicious apple harvest beginning.

NORTH CAROLINA: Temperatures early and midweek normal. Precipitation light, average 0.10 in.

Fieldwork: 5.6 days suitable. Soil moisture short to adequate. Condition of soybeans and peanuts fair to good. Pasture mostly fair to good. Cotton fair to mostly good. Harvested: Burley tobacco 97%, 1977 96%, average 92%; peanuts dug 35%, 1977 52%, average 53%; peanuts threshed 23%, 1977 46%, average 39%; sweetpotatoes 65%, 1977 51%, average 47%; soybeans 5%, 1977 4%, average 1%; corn for grain 80%, 1977 80%, average 68%; apples 81%, 1977 63%, average 68%; sorghum grain 56%, 1977 58%, average 53%; cotton 9%, 1977 12%, average 8%. Planted: Wheat planted 14%, 1977 15%.

NORTH DAKOTA: Cloudy skies and cold temperatures most of week. High winds, often in excess of 50 mph, occurred 4th as cold air moved in from Canada. Showers 4th to 5th with most amounts under 0.25 in. Late week temperatures below freezing with northeast dropping to 19°. Extremes: 19 and 73°.

Cool, cloudy and damp weather slowed harvesting progress of row crops. However, most areas received hard frost middle of week which will help dry sunflowers. About 35% of sunflowers combined, well ahead of last year's 21% and average 22%. Nearly 75% of potatoes dug compared to 85% 1977 and 81% average. Moisture supplies major concern, especially for those farmers raising winter wheat and rye.

OHIO: Temperatures below normal. Widespread frost 7th and 8th. Extremes: 29 and 78°. Rain 0.28 in. west to 1.46 in. east.

Harvest progressing very well. Excellent conditions for fall seeded grains. Some wheat emerged. Pasture conditions good. Livestock in excellent shape. Corn harvested 15%, 15% 1977, 15% average. Soybeans harvested 35%, 30% 1977, 35% average. Corn silage cut 90%, 90% 1977, 85% average. Apples picked 50%, 60% 1977. Sugarbeets harvested 5%, 5% 1977, 10% average. Wheat planted 50%, 50% 1977, 45% average. Popcorn harvested 25%, 15% 1977. Fieldwork: 4.5 days favorable. Soil moisture adequate.

OKLAHOMA: Temperatures 1 to 4° below normal. Rainfall except Panhandle. Averages ranged from 0.06 in. southwest to 0.71 in. southeast.

Topsoil and subsoil moisture short except central. Wheat seeding 74% complete 1978 and 1977, 63% normal. About 14% up to stand, but no wheat pasture available yet. Sorghum harvest imminent in Panhandle. Overall, sorghum harvest 11% complete, 15% 1977, 21% normal. Open bolls reported on 73% of cotton acreage, 65% 1977, 50% normal. Cotton rated fair to poor. Peanut and soybean harvest underway, but many producers opting for hay. Native pastures rated fair to poor. Livestock rated good to fair.

OREGON: Temperatures near to 5° above normal. Few showers reported along coast and over northwest interior first of week but rainfall generally less than 0.25 in. Extremes: mid-80's, low 40's west; low 80's, mid-20's east.

Soil moisture adequate. Spring grain harvest virtually complete in west and continuing in east. Stage of completion dependent on elevation. Land preparation and grain seeding underway. Some early seeded fields emerging and look good. Final hay cuttings being made. Farmers hoping for continued good weather to help curing. Apple and winter pear harvests continue but in late stages. Filbert harvest in full swing, walnuts underway. Both crops look good. Cranberry harvest underway. Strawberries and caneberries being sprayed. Vegetables being harvested, quality good. Potato and onion harvests continue. Ranges and pastures in good shape and livestock doing well.

PENNSYLVANIA: Moderating temperatures and mild through 5th. Considerably cooler thereafter with northwest wind weekend. Temperature in 40's to 60's prior to frontal passage and about 10° lower weekend. Extremes: 73 and 26°. Scattered showers 4th through 6th most areas with additional rain almost daily northwest totaled from 2.50 in. Erie area decreasing to 0.50 in. and less south.

Snow flurries and sleet some central and northern areas 7th.

Fieldwork: 5 days suitable. Soil moisture mostly adequate to short. Activities: Filling silos; limeing; fall plowing; sowing wheat, barley; picking corn; harvesting apples, grapes, cabbage, tomatoes; making hay. Potatoes 76% dug, 73% 1977. Corn 50% mature, 8% harvested, same as 1977 harvested. Ensilage corn 70% cut, same as 1977. Plowing 79%, 82% 1977. Barley 89% sown, 82% 1977. Wheat 69% sown, 60% sown, 60% 1977. Soybean harvest stagnant. Alfalfa hay third cut 80%, fourth cut 45%. Clo-tim second cut complete. Hay quality mostly fair. Feed from pastures average.

PUERTO RICO: Island average rainfall 1.21 in. or 0.66 in. below normal. Temperatures about 81° on coasts and 76° interior. Extremes: 96 and 58°.

SOUTH CAROLINA: Near normal temperatures with mid-week highest. Rainless except few midweek showers in north central, northeast.

Soil moisture short. Fieldwork: 6 days available. Corn 90% harvested, 93% last year, 78% average. Cotton defoliating rapidly in dry weather; 96% of bolls open; 32% harvested, good quality, 24% last year, 13% average. Soybeans shedding leaves fast due dry stresses; 42% compared 30% last year; 6% mature, last year 12%; 1% harvested matches last year. Apple harvest 88%, even with last year. Small grains fair condition, wheat 9% planted, 8% last year; need rainfall. Fall hay 80% harvested, 76% last year and average. Sorghum 42% harvested, 40% last year. Peanuts 55% harvested, 52% last year. Fall vegetables fair to good; harvest of cucumber, snap bean, greens, miscellaneous vegetables continues.

SOUTH DAKOTA: Cold fronts caused rapid temperature fluctuations. Readings 1 to 5° subnormal central and west, 2 to 9° subnormal east. Extremes: 17 and 85°. Rainfall minimal, mostly in northeast and east central.

Topsoil moisture adequate eastern border. Fieldwork: 5.8 days suitable. Corn for grain 17% harvested, 1977 15%, normal 25%. Grain sorghum 20% harvested, 1977 13%, normal 41%. Soybeans 30% harvested, 1977 22%, normal 46%. Sunflowers 14% harvested, 1977 15%.

TENNESSEE: Temperatures 5 to 8° below normal. Rainfall light; amounts averaged 0.50 in. First frost 5th.

Fieldwork: 5.3 days suitable. Soil moisture short to adequate. Pastures poor; supplemental feeding for cattle. Corn mature 96%, 1977 94%, average 90%; harvested 47%, 1977 40%, average 31%. Cotton open bolls 88%, 1977 87%, average 56%; harvested 40%, 1977 39%, average 18%. Soybeans mature 31%, 1977 37%, average 26%; harvested 8%, 1977 7%, average 5%. Burley tobacco stripped 22%, 1977 33%, average 18%. Fall plowing completed 68%, 1977 70%, average 72%. Wheat seeding 40%, 1977 48%, average 42%. Oats seeded 59%, 1977 69%, average 69%. Barley seeded 61%, 1977 62%, average 68%.

TEXAS: Rainfall below normal; 0.50 in. southeast, 0.10 to 0.25 in. north, west, Edwards Plateau, west central; near normal western north. Rainfall above normal 0.10 to 0.25 in. south central; 1.50 in. far south. Temperatures below normal east, north central, west Texas; near normal central; above normal south.

Field operations regained momentum from delay caused by recent rains. Corn, grain sorghum harvest active Panhandle, progress behind last year.

Small grain planting active. Army worm infestations some early small grain Cross-Timbers, Blacklands, east south central. Cotton harvest active northern Blacklands, few dryland fields harvested southern High Plains. Recent rains caused some cotton on Plains to put on new growth, which could delay harvest. Grain sorghum harvest active southern Plains and early fields northern High Plains. Corn harvest picked up momentum on High Plains as fields dried. Lodging continues to cause harvest problems. Peanut harvest getting underway Cross-Timbers, Blacklands. More showers needed to make digging crop easier. Rice second cutting underway along upper Gulf Coast; should be full swing next two weeks. Sunflower harvest delayed by west weather High Plains and is behind schedule. Wheat and oats seeding rapid progress last week. Fields dry sown before rains generally good stands rapid growth. Corn harvested 64%, 92% 1977, 74% average. Cotton harvested 21%, 30% 1977, 22% average. Peanuts harvested 32%, 42% 1977, 58% average. Sorghum harvested 73%, 81% 1977, 76% average. Soybeans harvested 8%, 14% 1977, 6% average. Sunflowers harvested 19%, 49% 1977 50% average. Oats planted 61%, 57% 1977, 59% average. Wheat planted 52%, 67% 1977, 75% average. Lower Rio Grande Valley wet weather destroyed some bell pepper and cabbage fields; continued moisture expected to cause further damage. Citrus benefitting from rain, sizing well; harvest early orange continues. Fall vegetables continue good growth. Bell pepper harvest picked up after delay by recent rains. Lettuce and cucumber harvests continued. Pecans continue to mature; limited harvest underway south and central.

Pastures and rangeland continued to show improvement. Parts Blacklands, East Texas remain dry with limited grazing available. Livestock condition fair to good. Some producers on High Plains beginning to bring stocker cattle in for wheat pasture and stalk field grazing.

UTAH: Fair and mild; no precipitation reported. Temperatures variable ranging between 6° below normal and 6° above. Growing season essentially completed.

Soil moisture short. Dryland winter wheat seeding 70% complete. Corn silage harvest 75% complete. Onion harvest 67% complete, potatoes 35%, apples 60% harvested. Sugarbeet harvest just underway in north.

VIRGINIA: Near normal temperatures with slight warming trend. Extremes: 81 and 36°. Rainfall 0.69 in. occurring as scattered showers.

Topsoil moisture short to adequate. Fieldwork: 5.3 days available. Pastures fair. Harvest progress: Corn 49%, 65% 1977, 42% average; soybeans 3%, 3% 1977, 5% average; peanuts dug 37%, 47% 1977, 45% usual; peanuts combined 20%, 24% 1977, 21% average; apples 56%, 56% 1977; Eastern Shore sweetpotatoes 35%, 63% 1977. Planting progress: Wheat 10%, 15% 1977, 19% average; barley 20%, 44% 1977, 43% average; winter oats 29%, 53% 1977, 49% average. Other activities: Fall application of fertilizer, late hay making, marketing flue tobacco, livestock marketing.

WASHINGTON: West: Temperatures 2° above normal. Precipitation 0.40 to 1.60 in. below normal.

Fall vegetable harvests of cabbage, carrots, cauliflower, corn, lettuce continued. Seed beet harvest near midpoint. Winter squash near completion. Other activities: Liming, pruning canberries, potato digging, and fall plowing. Pastures excellent.

East: Temperatures near normal. Precipitation 0.20 to 0.40 in. below normal.

Apple picking continued. Grape harvest in full swing. Sugarbeet digging underway. Grain and lentil harvest near finished. Some sprout damage in wheat. Fall seeding continued. Wheat and barley emerging well. Chiseling summer fallow main activity. Pasture looks good.

WEST VIRGINIA: Temperatures below normal. Rain-fall below normal central, south, northeast, and near normal elsewhere.

Fieldwork: 5.1 days suitable. Soil moisture short east, adequate to surplus elsewhere. Major activities: Harvesting corn, haying and clipping pasture. 2nd cutting hay 96%, 93% 1977; 3rd cutting 75%, 79% 1977. Corn development 9% dough, 51% mature, 40% harvested. Potatoes 92% dug, 82% 1977. Wheat planted 46%, 46% 1977. Barley sown 47%, 52% 1977. Crops and livestock good condition.

WYOMING: Cool and dry; all stations below normal in both temperature and precipitation.

Topsoil moisture short. Potato harvest 61%, 1977 84% and average 64%. Sugarbeet harvest underway with 12% harvested, normal 25% harvested. 94% dry beans windrowed, 84% combined. Corn for grain, 44% mature, 22% harvested. Winter wheat:

96% planted, 77% emerged. Good stands most areas. Stock water adequate although a few scattered areas short.

WISCONSIN: Temperatures 5° subnormal. Warmest 2nd with 70's south, 60's north. Lows in 40's and 30's until evening 7th when first general frost occurred. Extremes: 76 and 24°. Scattered showers and thunderstorms prevailed before skies cleared late 7th. Rainfall variable, less than 0.50 in. northwest and west but more than 1.00 in. east central.

Rain and wet soils slowed harvesting. Fieldwork: 3 days suitable. Silo filling 50% completed, 1977 80%, normal 90%. Corn for grain 6% harvested, 1977 15%, normal 10%. Soybeans 75% shedding leaves, 1977 and normal 90%; 0% harvested, 1977 and normal 8%. Fall plowing 12% done, 1977 15%, normal 20%. Winter wheat emergence good, most seeding completed. Little hay being made but hard to dry. Pasture conditions above normal. Tobacco harvested and curing well. Potato harvest slowed by wet fields. Cranberry harvest continuing; crop slower ripening in cloudy weather. Apple harvest going well. Soil moisture supplies adequate to mostly surplus. Wettest fall field conditions since 1972.

World Weather and Crop Update

October 2 - 8

USSR. The week began with showers in western Russia with heaviest amounts in the Baltic Plain and Belorussia (15 to 65 mm). Rainfall in the Ukraine was limited to the northern and western edges. The northern Volga region had rain with some snow flurries (15 to 40 mm with isolated accumulations of 40 to 80 mm); the central Volga had 10 to 30 mm; and it was somewhat drier in the lower Volga (under 10 mm). Western Siberia received light rain all week with accumulations of 5 to 15 mm while temperatures here and throughout Asian Russia were colder than normal with extensive frost throughout. Freezing temperatures chilled the northern cotton producing areas of Central Asia. The Soviet grain harvest neared completion with approximately 91% of the total area of 126 million hectares of small grain and pulse crops out. Only 3% of this area was left unthreshed. Corn harvest is lagging. The sowing of USSR winter grains is about 80% finished.

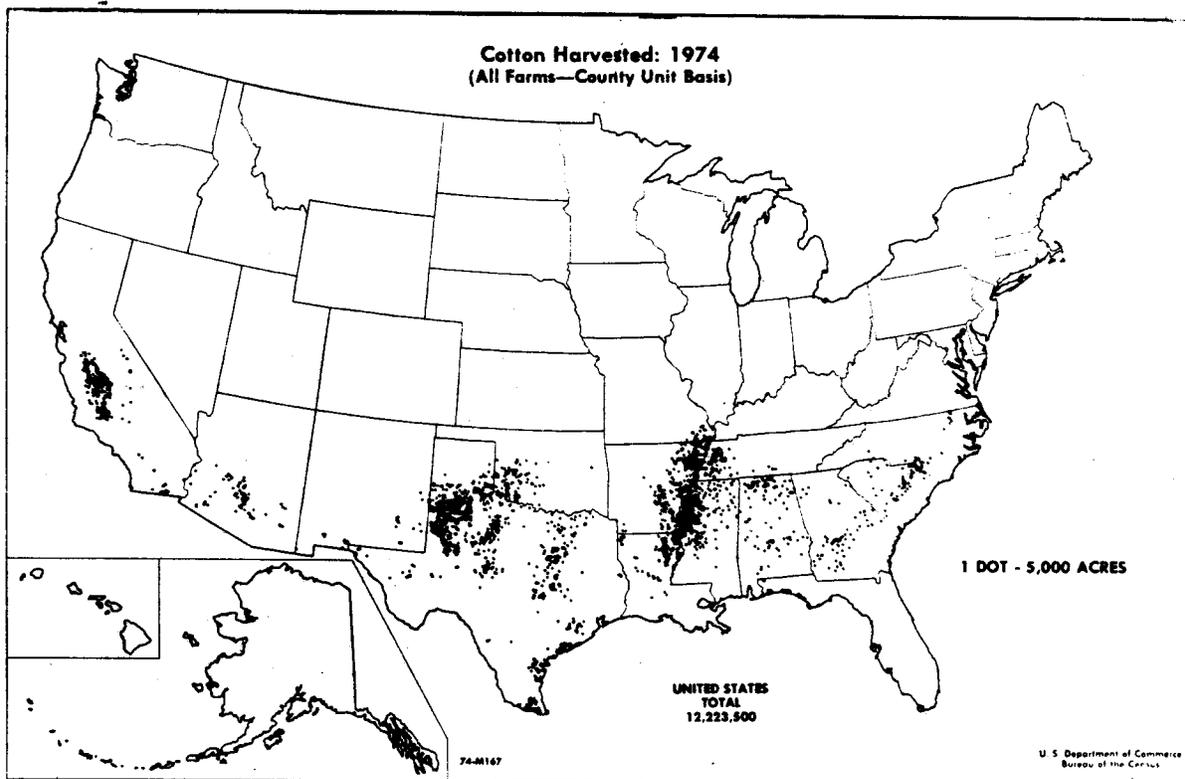
ASIA. There was moderate rain across northern growing regions of China (10 to 30 mm) where temperatures stayed generally below normal. Central China was fair for most of the period with only a day or two of showers which generally left under 10 mm of moisture. In rice growing regions of South China, rain in the west totaled 10 to 30 mm, became more moderate in central areas (50 to 90 mm), and driest in the east (under 10 mm). Temperatures in southern China neared normal. In India, a large area just west of Calcutta received 50 to 180 mm of rain continuing the flooding which has recently swept the area. Southern India had scattered amounts of 20 to 40 mm.

AUSTRALIA. Across Australia there was little rain last week, with only a limited area of Queensland reporting any precipitation (under 5 mm). Temperatures rose slightly above normal.

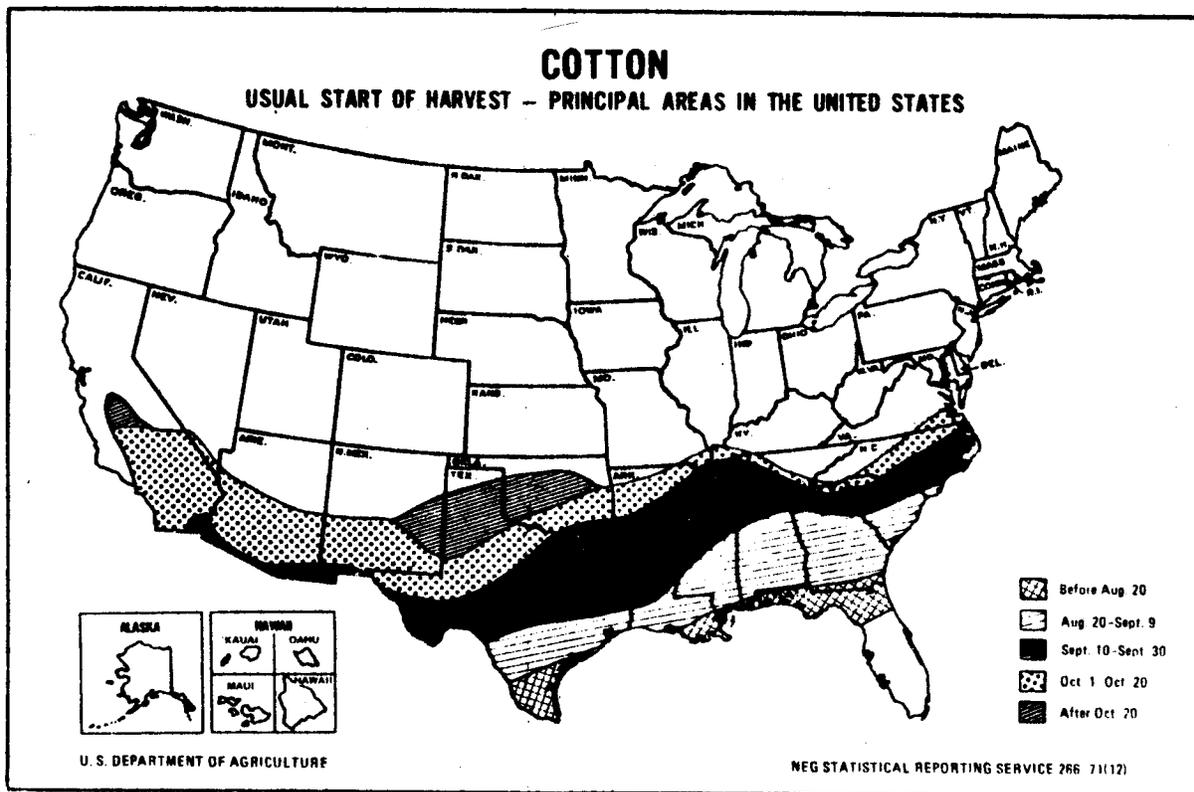
AFRICA. Only trace amounts of moisture dampened North Africa except for isolated showers in coastal regions of Algeria. Senegal was mostly dry with some showers in southern regions leaving 5 to 25 mm of rain. Most of Ivory Coast had under 10 mm of moisture except in very isolated areas which received larger amounts. Southern regions of the continent remained very dry. Weather in South Africa's maize triangle was fair with only isolated showers leaving up to 30 mm along the eastern edge.

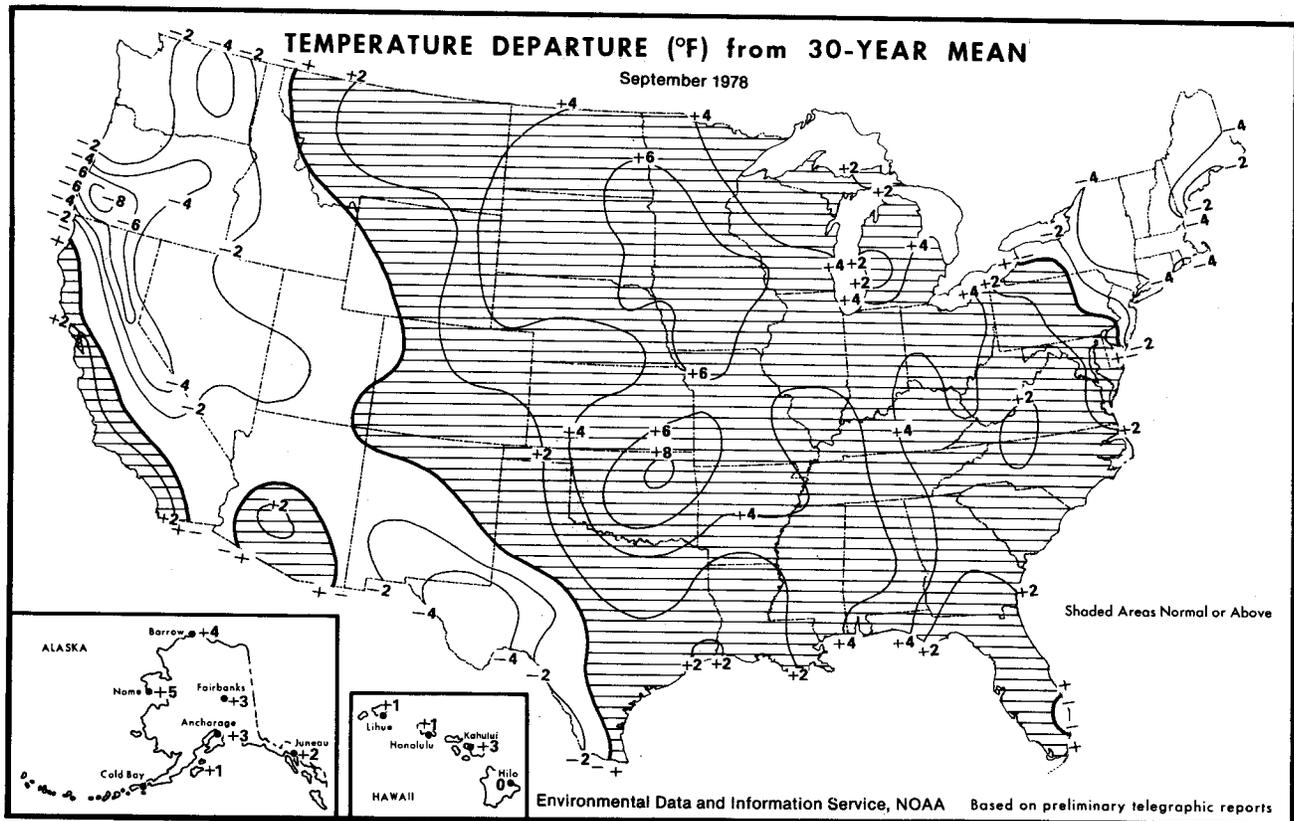
EUROPE. Light rain fell in the United Kingdom where only a trace to under 10 mm was reported. Throughout West Germany there were showers during the first portion of the period with heaviest amounts in the south (10 to 40 mm). Most of Italy received 30 to 60 mm of rain with some heavier reports (100 mm). France had light sprinkles in the north, but stayed generally mild for the week. Southern France had 5 mm with greater amounts along the southern Alps (up to 30 mm). On the northwestern Atlantic coast, Spain's showers left 5 to 20 mm, but the remainder of the country was fair. East Germany received showers during the beginning of the period with accumulations from 15 to 40 mm in the southwest and under 15 mm in northern regions. Scattered showers moistened Greece (under 15 mm) while Turkey was dry.

AMERICAS. The extreme southern states of Brazil received needed rainfall (10 to 30 mm), but the rest of the south was generally fair, with only widely scattered showers. Widespread rain spanned Argentina where northern areas received from 5 to 20 mm and some stations recorded as much as 50 mm. Around Buenos Aires, several points notched up to 90 mm in thundershowers. Across Canada, temperatures began well below normal for the period but warmed later. Cloudiness and showers amounted to less than the previous week. Manitoba was mostly fair and reported under 8 mm of rain. Saskatchewan had under 10 mm and Alberta under 5 mm.



These maps show the distribution of the cotton crop in the United States, and the usual start of harvest. The value of the U.S. cotton crop for the last three years averaged about \$3.4 billion and was the fifth largest U.S. crop in dollar value.





September Weather Summary

HIGHLIGHTS: Early in the month Tropical Storm Norman, dissipating off the southern California Coast, brought heavy rain to California at an unexpected time and resulted in substantial losses to some crops. Subsequent surges of cold air blew into the West moving all the way to the East Coast by the end of September and causing some heavy snow in the Rockies. Average temperatures for September became warmer than normal in the East and colder west of the Rockies. The California Coast and Valley averaged warmer than normal.

The three days before the first week of September were dominated by a high pressure system centered in the Northeast and extending southwestward. Rain areas extended along the East Coast, much of Texas, the Appalachians, and the Pacific Northwest.

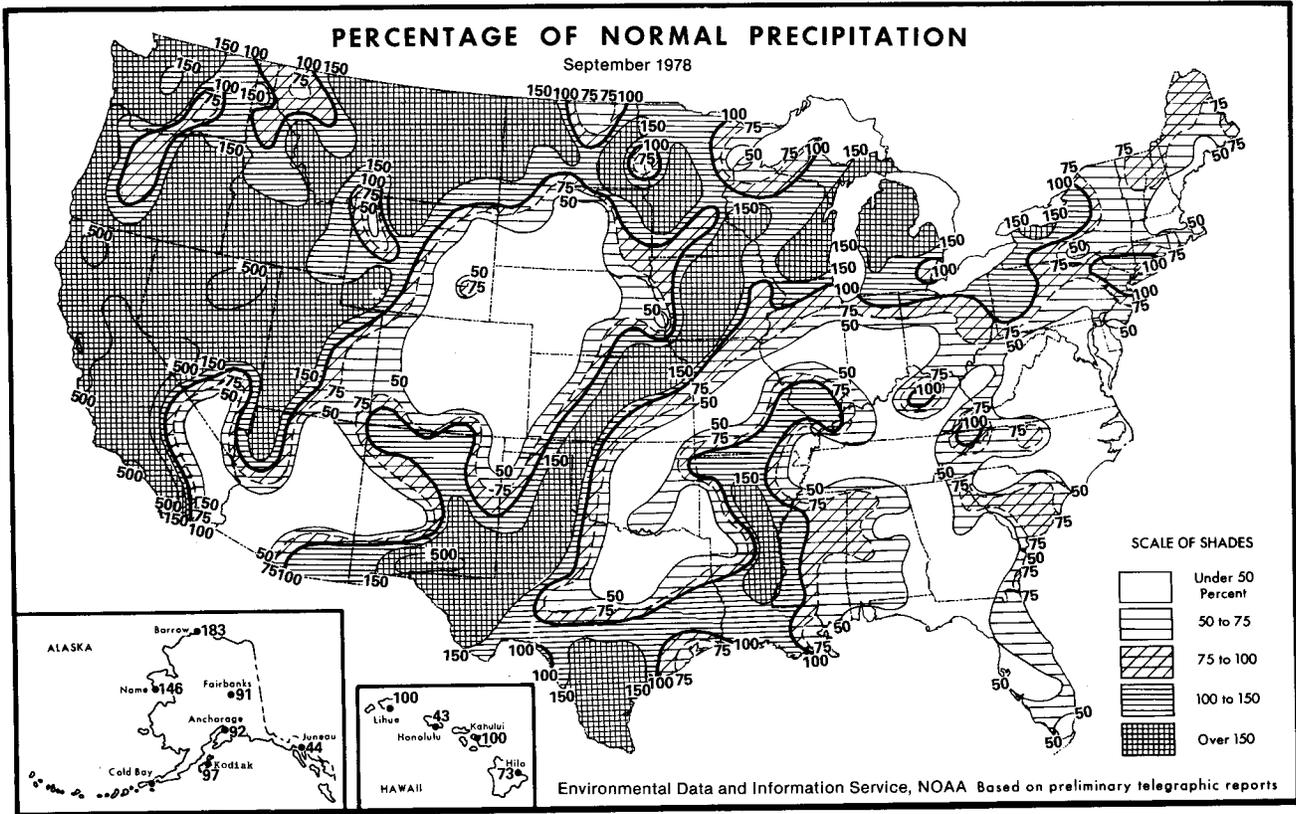
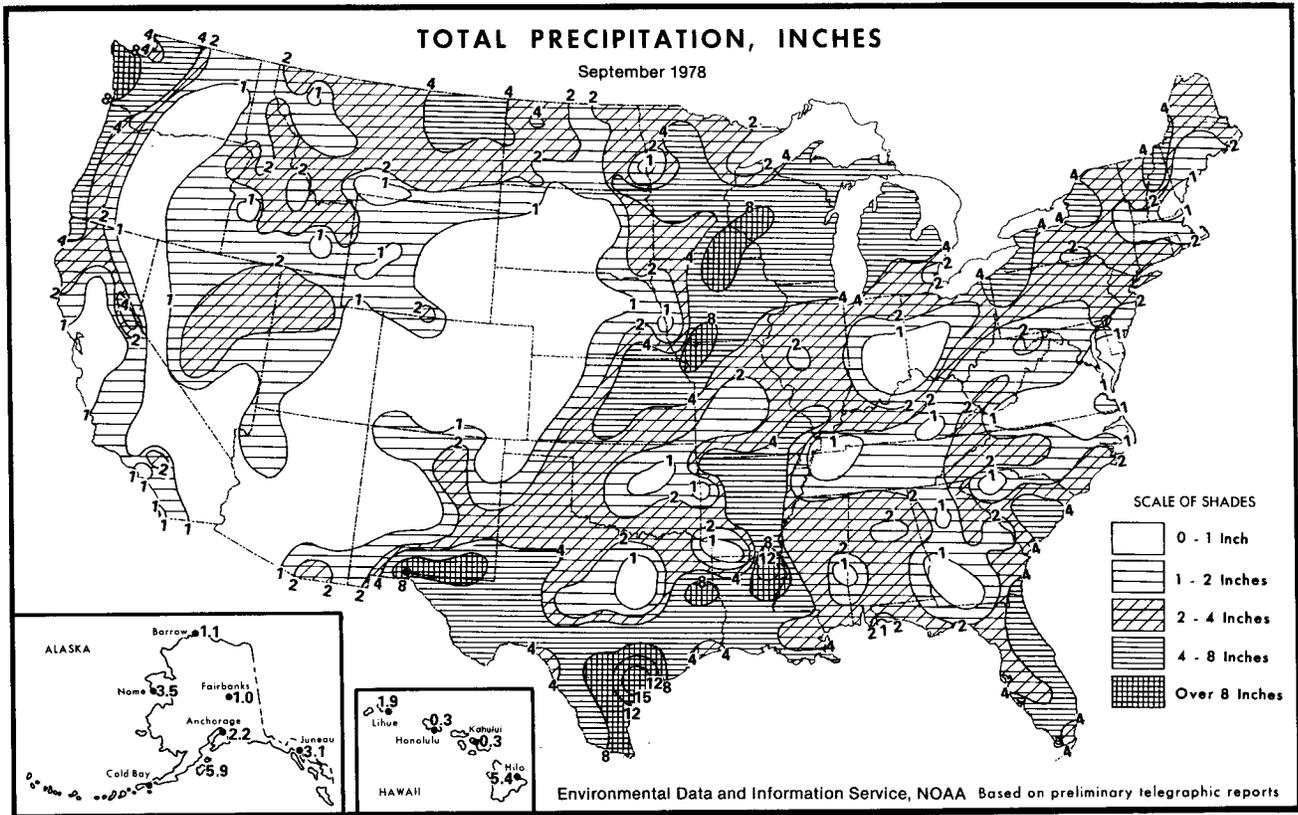
The week of September 4 to 10 featured Tropical Storm Norman which dissipated as it approached the California Coast but not before dumping large amounts of rain on southern California. Heavy damage hit some crops because of the unusual timing of this rain. Concurrently, a low pressure system aloft, fed by tropical moisture, spread rain or snow throughout the West. Meanwhile the high pressure in the East caused warm, moist air to flow northward from the Gulf of Mexico bringing moderate to heavy rain to southern and central Texas and lighter amounts northward to eastern Kansas. A minor storm of tropical origin triggered heavy showers in Florida. Rain and showers were welcome to northern New England.

Cold air moved into the western U.S. and New England, but the northern Plains baked under a heat wave. Some temperatures exceeded 100° early in the week.

From September 11 to 17, heavy rain fell from southeastern Texas to the southern Great Lakes and from the central Plains to the western Lakes. Lesser amounts extended eastward from the Lakes through the Northeast. The cold air from the Northwest moved slowly to West Texas and through the northern States to New England. The moist Gulf air continued to pour northward causing thunderstorms and rain along and ahead of the eastward moving cold air. Average temperatures for the week ranged colder than normal from New Mexico to the western Great Lakes and westward. Temperatures held warmer east of this line. Some averages in the central Plains rose as much as 12 degrees warmer than normal.

During the third week of September (18 to 24), another surge of cold air edged into the western U.S. and brought heavy snow to parts of Montana and other high areas of the Rockies. By the end of the week the cold air had moved through the entire Nation except Florida. Warming began at the end of the week in central California and the Southwest, but the western Plateau remained much colder than normal. The heaviest rain fell along the leading edge of the latest push of cold air from West Texas to southern Wisconsin. Smaller amounts fell along the front as it moved eastward.

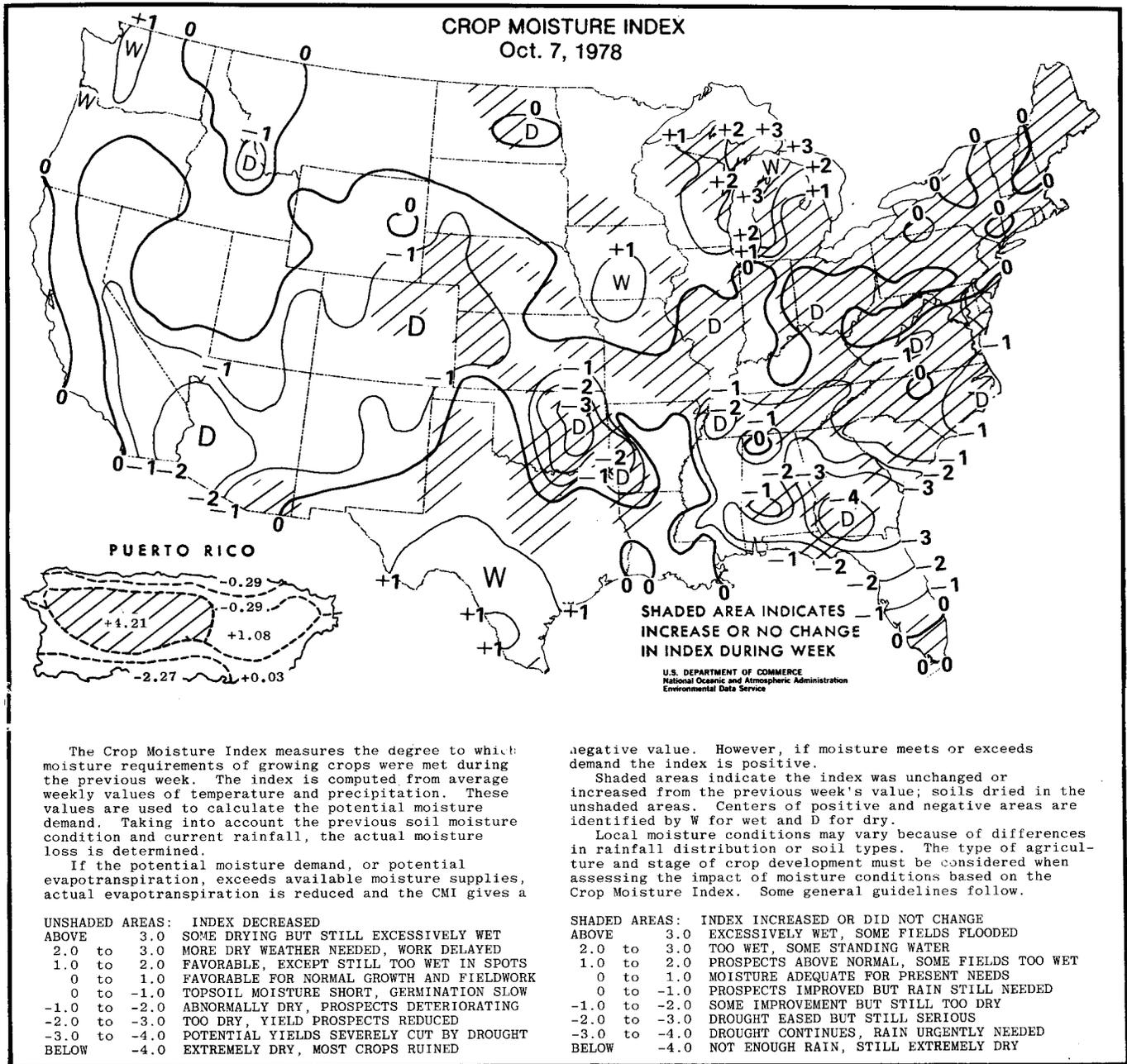
Rapid warming covered the West during September's last week. A mass of nearly stagnant air was free of clouds and allowed heating from the sun, while air drifting from the Plateau into the valleys warmed as it descended. Satellite pictures revealed moisture flowing across Mexico into southeastern New Mexico, West Texas, and Oklahoma. Heavy rain drenched those areas and severe flooding occurred along the Rio Grande River. Light to moderate rain fell from the Mississippi River eastward. Temperatures in the East were near or slightly below normal.



Temperature and Precipitation Data for September 1978

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 . . .	77	+ 3	1.1	- 2.5	LA. Baton Rouge . . .	79	+ 1	3.8	0	Youngstown . . .	66	+ 3	4.2	+ 1.6
Mobile . . .	82	+ 4	3.0	- 3.6	Lake Charles . . .	78	0	6.0	+ 1.9	OKLA. Okla. City . . .	80	+ 7	1.0	- 2.6
Montgomery . . .	79	+ 3	2.2	- 2.2	New Orleans . . .	81	+ 3	3.0	- 2.6	Tulsa . . .	81	+ 8	1	- 4.0
ALASKA. Anchorage . . .	51	+ 3	2.2	- 2.2	Shreveport . . .	78	+ 1	2.4	- .7	OREG. Astoria . . .	58	0	6.9	+ 4.1
Barrow . . .	34	+ 4	1.1	+ .5	MAINE. Caribou . . .	50	- 4	2.7	- .8	Burns . . .	55	- 3	1.1	+ .7
Fairbanks . . .	47	+ 3	1.0	- .1	Portland . . .	58	- 1	.6	- 2.5	Medford . . .	59	- 5	1.7	+ 1.1
Juneau . . .	51	+ 2	3.1	- 3.8	MD. Baltimore . . .	70	+ 1	1.0	- 2.1	Pendleton . . .	61	- 3	.9	+ .3
Kodiak . . .	51	+ 1	5.9	- .2	MASS. Boston . . .	61	- 4	1.3	- 1.9	Portland . . .	61	- 1	2.1	+ .5
Nome . . .	47	+ 5	3.5	+ 1.1	Chatham . . .	60	- 4	1.9	- 1.1	Salem . . .	61	- 1	2.6	+ 1.1
ARIZ. Flagstaff . . .	57	- 1	.5	- 1.2	MICH. Alpena . . .	59	+ 3	6.1	+ 2.8	PA. Allentown . . .	64	- 1	2.3	- 1.3
Phoenix . . .	86	+ 2	T	- .7	Detroit . . .	68	+ 4	1.8	- .4	Erie . . .	62	+ 1	4.8	+ 1.2
Tucson . . .	81	+ 1	1.7	+ .3	Flint . . .	65	+ 4	4.6	+ 2.1	Harrisburg . . .	68	+ 1	1.6	- 1.1
Winslow . . .	69	- 1	.4	- .5	Grand Rapids . . .	56	+ 2	5.6	+ 2.3	Philadelphia . . .	69	+ 1	1.5	- 1.5
Yuma . . .	86	- 1	T	- .2	Houghton Lake . . .	59	+ 2	6.7	+ 3.5	Pittsburgh . . .	66	+ 2	2.6	+ .1
ARK. Fort Smith . . .	79	+ 5	.8	- 2.5	Lansing . . .	65	+ 3	3.8	+ 1.2	Scranton . . .	61	- 2	3.1	+ .2
Little Rock . . .	76	+ 3	6.8	+ 3.2	Marquette . . .	59	+ 2	4.3	- .8	R. I. Providence . . .	60	- 3	1.8	- 1.4
CALIF. Bakersfield . . .	77	0	.7	+ .6	Muskegon . . .	63	+ 1	4.5	+ 1.1	S. C. Charleston . . .	77	+ 2	5.1	- .2
Eureka . . .	58	+ 1	2.7	+ 2.0	S. Ste. Marie . . .	56	+ 1	6.7	+ 2.8	Columbia . . .	74	+ 2	4.1	- 3.5
Fresno . . .	73	- 1	1.1	+ 1.0	MINN. Duluth . . .	57	+ 3	1.5	- 1.6	Greenville . . .	74	+ 2	.3	- 3.5
Los Angeles . . .	76	+ 3	.4	+ .2	Internatl Falls . . .	56	+ 3	3.6	+ .3	S. D. Aberdeen . . .	65	+ 6	.6	- 1.1
Red Bluff . . .	74	- 1	.6	+ .3	Minneapolis . . .	67	+ 7	2.5	- .2	Huron . . .	66	+ 5	1.0	- .8
San Diego . . .	74	+ 4	.7	+ .6	Rochester . . .	64	+ 5	8.1	+ 4.9	Rapid City . . .	68	+ 7	2	- 1.0
San Francisco . . .	66	+ 2	.3	+ .1	St. Cloud . . .	63	+ 5	4.6	+ 1.9	Sioux Falls . . .	67	+ 6	2.5	- .4
Stockton . . .	72	0	.5	+ .3	MISS. Jackson . . .	78	+ 2	2.9	- .1	TENN. Chattanooga . . .	76	+ 4	1.6	- 2.1
COLO. Denver . . .	65	+ 2	.1	- 1.0	Meridian . . .	78	+ 3	.5	- 2.8	Knoxville . . .	75	+ 3	1.3	- 1.5
Grand Junction . . .	66	- 1	.5	- .3	MO. Columbia . . .	74	+ 6	1.1	- 3.3	Memphis . . .	78	+ 4	1.5	- 1.5
Pueblo . . .	67	+ 1	.1	- .7	Kansas City . . .	74	+ 5	4.0	- .2	Nashville . . .	76	+ 4	1.4	- 1.7
CONN. Bridgeport . . .	64	- 3	3.4	+ .5	St. Louis . . .	73	+ 3	3.1	+ .2	TEX. Abilene . . .	77	+ 1	2.4	+ .1
Hartford . . .	59	- 4	2.7	- .9	Springfield . . .	74	+ 5	2.9	- 1.2	Amarillo . . .	71	+ 1	2.4	+ .5
D. C. Washington . . .	74	+ 3	1.0	- 2.1	MONT. Billings . . .	61	+ 2	3.8	+ 2.4	Austin . . .	79	0	4.4	+ .7
FLA. Apalachicola . . .	79	0	2.6	- 6.4	Glasgow . . .	59	+ 2	4.1	+ 3.2	Beaumont . . .	82	+ 3	3.3	- 2.0
Daytona Beach . . .	81	+ 1	4.6	- 2.5	Great Falls . . .	59	+ 2	2.6	+ 1.4	Brownsville . . .	82	0	8.3	+ 3.1
Ft. Myers . . .	82	0	5.2	- 3.5	Havre . . .	59	+ 2	2.6	+ 1.5	Corpus Christi . . .	82	+ 1	10.8	+ 5.9
Jacksonville . . .	78	0	4.4	- 3.4	Helena . . .	58	+ 2	1.1	+ .1	Del Rio . . .	79	- 1	2.8	- .3
Key West . . .	84	+ 1	4.3	- 3.0	Kalispell . . .	54	+ 1	.8	- .3	El Paso . . .	72	- 2	4.1	+ 2.9
Lakeland . . .	--	--	--	--	Miles City . . .	63	+ 3	3.4	+ 2.2	Fort Worth . . .	80	+ 2	.9	- 2.3
Miami . . .	82	0	3.4	- 5.3	Missoula . . .	55	0	1.8	+ .7	Galveston . . .	81	+ 1	3.6	- 2.0
Orlando . . .	82	+ 2	4.3	- 2.9	NEBR. Grand Island . . .	68	+ 4	1.6	- .9	Houston . . .	79	0	4.3	- .4
Tallahassee . . .	79	+ 1	1.6	- 5.0	Lincoln . . .	69	+ 3	4.3	+ 1.4	Lubbock . . .	72	+ 1	3.3	+ 1.1
Tampa . . .	81	0	3.1	- 3.3	Norfolk . . .	69	+ 6	.8	- 1.6	Midland . . .	71	- 4	5.0	+ 3.5
W. Palm Beach . . .	81	- 1	6.4	- 3.5	N. Platte . . .	65	+ 3	.3	- 1.7	San Angelo . . .	75	- 2	1.4	- 1.3
GA. Atlanta . . .	76	+ 4	.9	- 2.3	Omaha . . .	70	+ 6	.5	- 2.7	San Antonio . . .	79	0	8.9	+ 5.2
Augusta . . .	76	+ 2	1.3	- 2.0	Valentine . . .	66	+ 5	.6	- .9	Victoria . . .	81	+ 1	19.1	+ 14.5
Macon . . .	78	+ 2	1.4	- 1.7	NEV. Ely . . .	54	- 3	1.3	+ .7	Waco . . .	81	+ 2	.5	- 2.7
Savannah . . .	78	+ 2	2.6	- 3.0	Las Vegas . . .	79	- 1	T	- .3	Wichita Falls . . .	80	+ 3	2.2	- .8
HAWAII. Hilo . . .	76	0	5.4	- 2.0	Reno . . .	58	- 2	.7	+ .5	UTAH. Blanding . . .	64	+ 1	.6	- .4
Honolulu . . .	81	+ 1	.3	- .4	Winnemucca . . .	57	- 2	1.1	+ .8	Salt Lake City . . .	64	- 1	2.5	+ 1.8
Kahului . . .	81	+ 3	.3	0	N. H. Concord . . .	56	- 4	.5	- 2.6	VT. Burlington . . .	55	- 4	2.1	- 1.0
Lihue . . .	80	+ 1	1.9	0	N. J. Atlantic City . . .	63	- 4	1.5	- 1.5	VA. Lynchburg . . .	71	+ 3	T	- 3.3
IDAHO. Boise . . .	61	- 2	.9	+ .5	Trenton . . .	66	- 1	2.9	- .3	Norfolk . . .	73	+ 1	1.2	- 3.0
Lewiston . . .	62	- 1	1.1	+ .2	N. MEX. Albuquerque . . .	69	- 1	.6	- .2	Richmond . . .	73	+ 3	.3	- 3.3
Pocatello . . .	58	- 1	.9	+ .3	Roswell . . .	69	- 1	3.6	+ 2.1	Roanoke . . .	68	0	.5	- 2.9
ILL. Cairo . . .	75	+ 3	.5	- 3.0	N. Y. Albany . . .	57	- 5	1.9	- 1.2	WASH. Colville . . .	55	- 2	1.1	+ .3
Chicago . . .	70	+ 4	2.8	- .2	Binghamton . . .	58	- 2	1.2	- 1.8	Omak . . .	58	- 4	1.2	+ .7
Moline . . .	69	+ 4	3.9	+ .1	Buffalo . . .	61	- 1	4.4	+ 1.1	Quillayute . . .	56	- 1	9.8	+ 4.6
Peoria . . .	71	+ 5	2.3	- 1.3	New York . . .	65	- 3	3.9	+ .7	Seattle-Tacoma . . .	59	- 1	6.0	+ 4.0
Rockford . . .	68	+ 5	4.3	+ .3	Rochester . . .	62	0	3.6	+ 1.2	Spokane . . .	57	- 3	.9	+ .1
Springfield . . .	71	+ 4	1.6	- 1.7	Syracuse . . .	60	- 3	3.9	+ 1.2	Walla Walla . . .	63	- 3	1.0	+ .1
IND. Evansville . . .	72	+ 3	2.7	- .1	N. C. Asheville . . .	70	+ 3	2.6	- 1.0	Yakima . . .	59	- 2	.6	+ .3
Ft. Wayne . . .	69	+ 4	2.3	- .3	Charlotte . . .	74	+ 2	1.7	- 1.8	W. VA. Beckley . . .	66	+ 3	1.5	- 1.9
Indianapolis . . .	70	+ 4	.9	- 2.0	Greensboro . . .	71	+ 1	2.7	- .9	Charleston . . .	71	+ 3	1.5	- 1.4
South Bend . . .	69	+ 5	3.1	0	Hatteras . . .	76	+ 2	.7	- 5.1	Huntington . . .	72	+ 4	1.4	- 1.5
IOWA. Burlington . . .	70	+ 5	3.1	- .6	Raleigh . . .	74	+ 3	1.4	- 2.4	Parkersburg . . .	70	+ 3	1.8	- 1.0
Des Moines . . .	71	+ 7	6.4	+ 3.3	Wilmington . . .	77	+ 2	1.6	- 4.0	WISC. Green Bay . . .	62	+ 3	4.8	+ 1.6
Dubuque . . .	66	+ 4	4.5	- .1	N. DAK. Bismarck . . .	62	+ 4	1.8	+ .5	La Crosse . . .	68	+ 6	4.8	+ 1.4
Sioux City . . .	68	+ 5	1.8	- 1.0	Fargo . . .	64	- 6	.9	- .9	Madison . . .	64	+ 4	5.4	+ 2.0
KANS. Concordia . . .	71	+ 3	5.1	+ 2.0	Williston . . .	60	+ 3	2.1	+ .9	Milwaukee . . .	66	+ 5	6.8	+ 3.8
Dodge City . . .	73	+ 4	2.3	+ .6	OHIO. Akron-Canton . . .	68	+ 4	2.0	- .6	Cheyanne . . .	60	+ 1	.3	- .6
Goodland . . .	67	+ 3	.1	- 1.3	Cincinnati . . .	71	+ 3	.4	- 2.2	WYO. Casper . . .	60	+ 2	.1	- .9
Topeka . . .	73	+ 5	6.7	+ 3.4	Cleveland . . .	69	+ 5	3.6	+ .8	Cheyenne . . .	59	+ 1	1.2	+ .1
Wichita . . .	76	+ 5	3.6	- .1	Columbus . . .	70	+ 5	1.2	- 1.2	Lander . . .	59	+ 1	1.7	+ .4
KY. Lexington . . .	71	+ 2	3.1	+ .3	Dayton . . .	69	+ 3	.4	- 1.9	Sheridan . . .	59	+ 1	1.7	+ .4
Louisville . . .	74	+ 5	1.0	- 1.9	Toledo . . .	68	+ 4	3.2	+ .8	P. R. San Juan . . .	84	+ 3	6.3	+ .2

Based on 1941-70 normals



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 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.

IMMEDIATE - U. S. Weather Report

This Report Will be Treated in All Respects as Letter Mail

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 U.S. DEPARTMENT OF COMMERCE

COM 210



FIRST CLASS MAIL

HARVESTING PROGRESS

PERCENT OF ACREAGE HARVESTED
 AS OF OCTOBER 8

soybeans

	1978	1977	AVG.
ALA	15	12	10
ARK	6	8	8
GA	7	3	2
ILL	63	33	62
IND	25	20	30
IOWA	39	37	39
KANS	20	10	15
KY	12	14	15
LA	18	24	21
MICH	5	5	15
MINN	51	31	55
MISS	16	21	14
MO	16	13	17
NEBR	40	20	35
NC	5	4	1
OHIO	35	30	35
SC	1	1	0
TENN	8	7	5
TEX	8	14	6
U.S.	28	21	29

THESE 19 STATES PRODUCED 96%
 OF THE 1977 U.S. SOYBEAN CROP.

corn

	1978	1977	AVG.
GA	82	77	52
ILL	25	28	23
IND	20	20	10
IOWA	25	31	16
KANS	45	50	25
KY	36	42	30
MICH	5	5	5
MINN	20	37	25
MO	29	46	33
NEBR	15	25	20
NC	80	80	68
OHIO	15	15	15
PA	8	8	NA
S DAK	17	15	25
TEX	64	92	74
WISC	6	15	10
U.S.	25	31	22

THESE 16 STATES PRODUCED 94%
 OF THE 1977 U.S. CORN CROP.

SEEDING PROGRESS

PERCENT OF ACREAGE PLANTED
 AS OF OCTOBER 8

winter wheat

	1978	1977	AVG.
COLO	93	96	93
ILL	35	30	44
IND	35	20	40
KANS	75	80	75
MO	37	23	NA
MONT	80	100	90
NEBR	95	90	90
OHIO	50	50	45
OKLA	74	74	63
S DAK	100	100	100
TEX	52	67	75

11 STATES 72 76 74

THESE 11 STATES PRODUCED 75%
 OF THE 1977 U.S. WINTER
 WHEAT CROP.

NA NOT AVAILABLE

cotton

	1978	1977	AVG.
ALA	31	28	14
ARK	22	24	39
GA	20	23	14
LA	27	24	13
MISS	37	42	18
MO	33	25	14
NC	9	12	8
OKLA	0	0	0
SC	32	24	13
TENN	40	39	18
TEX	21	30	22
11 STATES	23	29	21

THESE 11 STATES PRODUCED 72%
 OF THE 1977 U.S. COTTON CROP.

sorghum

	1978	1977	AVG.
COLO	6	19	15
KANS	25	25	20
MO	35	49	32
NEBR	25	30	25
OKLA	11	15	21
S DAK	20	13	41
TEX	73	81	76
7 STATES	42	47	43

THESE 7 STATES PRODUCED 93%
 OF THE 1977 U.S. SORGHUM CROP.