

Weekly Weather & Crop Bulletin

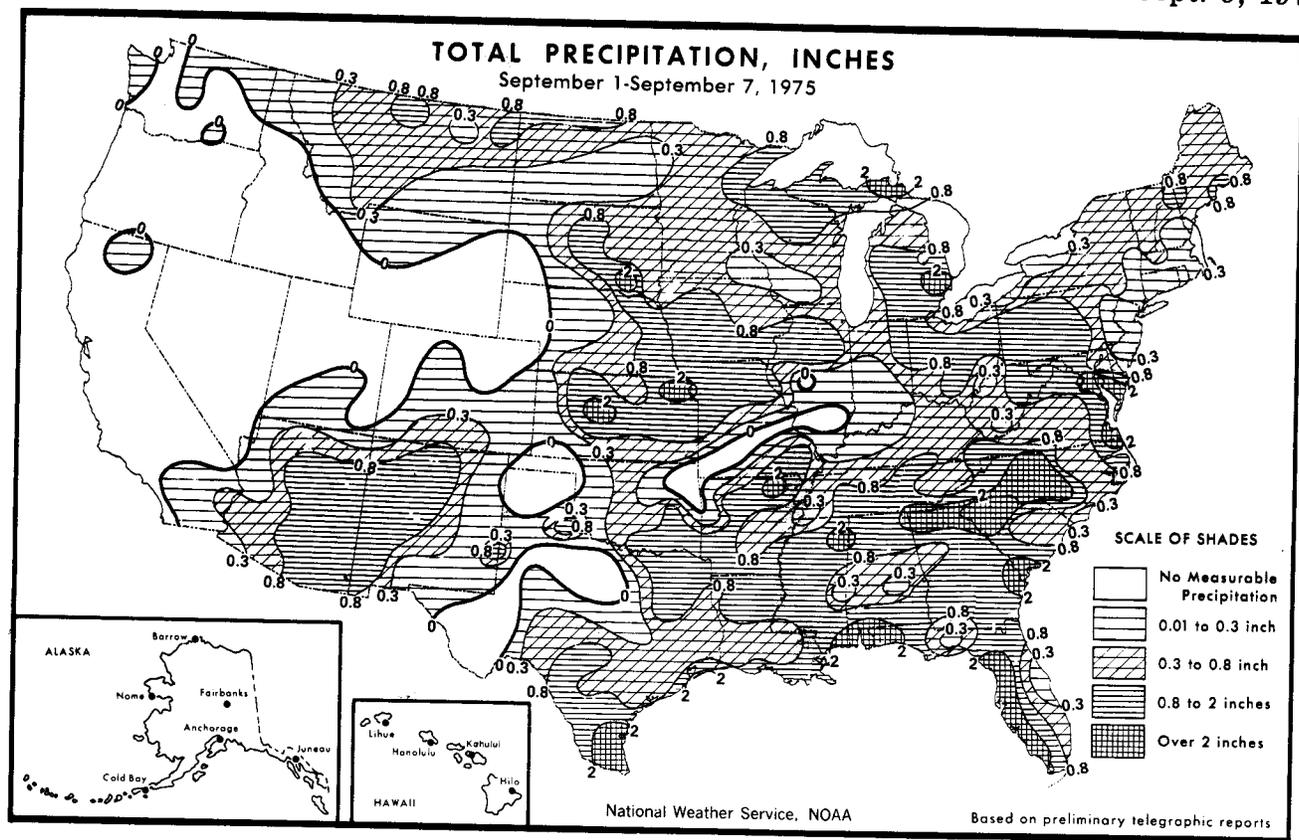
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NATIONAL WEATHER SUMMARY

For the week of September 1-7

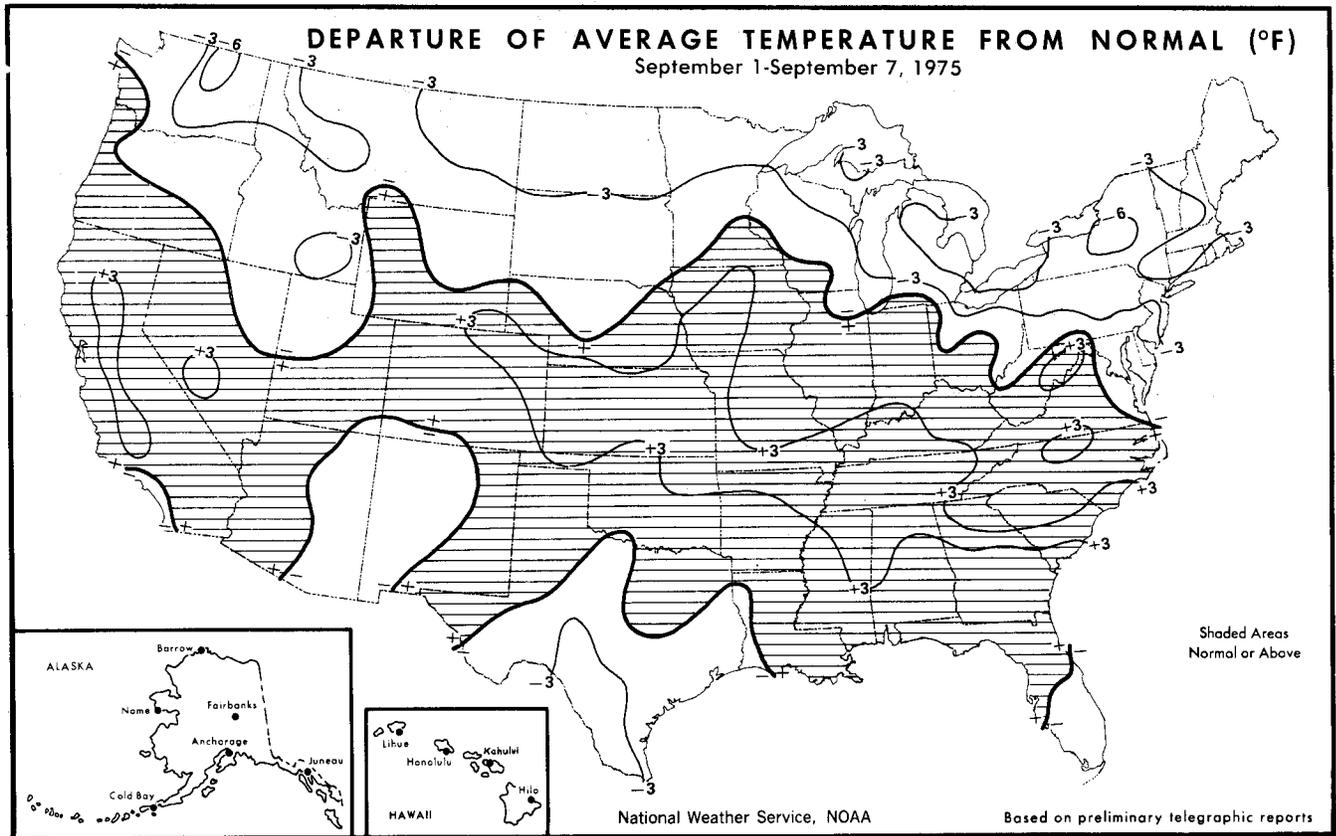
HIGHLIGHTS: Although the week's weather opened on a summery note, fall was soon in the air. High pressure systems along the Canadian border pulled cool air into the Northwest and Northeast. Unusually high temperatures in the middle West returned to near normal levels. Precipitation amounts across the Nation were generally light.

Most of the Nation celebrated favorable holiday weather on Monday. Sunshine and seasonally high temperatures prevailed from the Ohio and Mississippi Valleys through the Rockies. In the central Plains, skies cleared and temperatures shot up into the 90's and low 100's. The West Coast fared under sunny, mild conditions. Temperatures in the 70's, with a few 60's in the mountains, spread from northern parts of the Intermountain Region and Rockies across the northern Plains into the upper Great Lakes. As usual, the mercury in the desert Southwest climbed above 100°.

In other areas, though, showers and thunderstorms dampened festivities. Precipitation followed a course that took it from the lower Great Lakes into northwest New England and through the Atlantic Coast States and Florida. Scattered activity fell along the Gulf Coast. Drifting slowly eastward, the remnants of Hurricane Caroline pushed more heavy rains into southern Texas, where some flooding occurred.

Scattered thundershowers greeted the extreme Northeast and Southeast on Tuesday. In west central Minnesota severe storms churned up a tornado that caused some damage. Isolated thunderstorms hit the southern Plateau and lower half of the Rockies. A few showers lingered along the New England Coast.

Soaring afternoon temperatures in the central Plains and middle Mississippi Valley sharply contrasted occasional frosts in the Colorado Rockies. At 99°, Omaha, Nebr. broke its record daily high,



as did Memphis, Tenn. with 98°. In the cooler North, however, 60's ringed the Canadian border and stretched into northern sections of Washington, Idaho, and Montana. Meanwhile warm 90's extended from Florida and the Gulf to the lower Ohio Valley and from Texas into the southern and central Plains.

Following the normal seasonal pattern, the northern Rocky Mountain States and the Far West claimed most of Wednesday's sunshine, and the Plains and Southern States shared what remained. The best weather news came from the middle West, where high temperatures in parts of Iowa and Nebraska dropped from the upper 90's to the low 80's and mid 70's. Yesterday's 99° reading in Omaha skidded to a pleasant 72°.

In the central Plains a slow moving cold front on Wednesday produced some showers and thunderstorms in Nebraska, Kansas, and Iowa. Thunderstorms in parts of Ohio and Indiana kicked up severe weather that damaged buildings and trees.

The same front that delivered dry air to much of the Plains lower and Mississippi Valley poured showers and thundershowers across the middle Mississippi Valley on Thursday. A line of storms developed from Iowa into northeast Kansas, and another, from central Kansas into southern Missouri.

The Northeast quarter of the Nation, however, had a different story to tell. Rains left untouched areas from Tennessee and the upper Ohio Valley east to the Atlantic Coast.

More cold air made its way into the Northwest, bringing the first scattered frost of the season to Montana. In contrast, temperatures in Cali-

fornia eased upward amid warm, dry air.

Early Friday morning warm humid air and readings in the 70's held from the southern Atlantic Coast through the lower Mississippi Valley region. Afternoon temperatures skyrocketed in the West, ranging as high as 20° above normal for this time of year. The mercury topped 100° in the interior of California and southwest Oregon. Even the normally cool northern Pacific Coast reported temperatures in the 80's.

Showers and thunderstorms concentrated mostly on the eastern half of the Nation. A frontal system set off afternoon thunderstorms from the Ohio to the middle Mississippi Valley that produced some tornadoes, strong winds, and hail. High pressure centers kept skies clear from the northern and central Plains to the Pacific Coast and brought cool dry air to the Northwest.

Signs of fall turned up over the weekend across a large section of the Nation. Nights were cool and crisp from the upper Great Lakes into the north and central Plains. Overnight lows in the 40's and 50's ranged from the northern Plains as far south as Arkansas and Oklahoma. In the northern border States the nighttime mercury dipped into the 40's and in some spots, the 30's.

Dividing the Nation's weather on Saturday, a cold front stretched from New England across eastern Pennsylvania, Tennessee, and central Texas. Clouds spilled showers throughout the East, but mostly sunny, mild weather prevailed elsewhere.

On Sunday, though, clouds blanketed the usually sunny skies in the southwest, and moist air produced showers in Arizona and southern California.

NATIONAL AGRICULTURAL SUMMARY

For the Week of September 1-7

HIGHLIGHTS: Above normal temperatures and added precipitation over much of the major row crop area continued to favor maturity. Remaining winter wheat harvest moved at a slow pace, while spring wheat combining made good advancement.

SMALL GRAINS: Cool, wet weather in the Northern States hindered small grain harvest, which is much behind normal.

Winter wheat combining continues active in Idaho, Montana, Utah, and Washington, but damp conditions limit hours of actual harvesting.

Spring wheat harvest was 70% finished by September 7th, much behind normal. Combining was hampered by wet weather in North Dakota, where 62% was harvested; 81% in Minnesota; and 40% in Montana. The durum harvest was also lagging in North Dakota where only 42% of the crop was in the bin versus the normal 64%.

Winter wheat seeding started in Kansas, Michigan, and Missouri; 3% finished in Texas; 5% in Indiana; 10% in Montana; and 22% in both Colorado and South Dakota. Dry conditions continue to slow seeding progress in much of the southern Great Plains.

CORN: Favorable weather during the week in most areas continued to push maturity of the 1975 corn crop.

In North Central States, above normal temperatures over much of the major corn growing area further advanced the crop toward maturity. In Illinois, the crop was in mostly excellent condition and 75% was mature against 20% in 1974 and normal 31%. Iowa corn was 43% mature and safe from frost, compared with 24% in 1974 and the average 34%. Corn was 30% mature in Ohio, 25% in Nebraska, 22% in South Dakota, and 20% in Indiana. Maturity in all of these States was ahead of 1974 and normal. Harvest of corn for grain was underway in Illinois and Indiana, while corn silage harvesting was active in most Northern States.

Corn harvesting accelerated in several Southern States, as dry weather much of the week pushed development. Corn in Kentucky was 20% mature, much ahead of the 1974 and usual pace, while in Tennessee, 36% was mature versus 41% in 1974 and average 36%.

COTTON: Hot, dry weather and insects continue to damage cotton in several areas, however, rain continued to delay harvest in the Texas Coastal Bend and Rio Grande Valley. Cooler temperatures and rainfall over the weekend relieved stress in many areas.

Cotton in the Texas High Plains was squaring and blooming. Insect damage increased in the Low Plains, Trans-Pecos, and Edwards Plateau areas. Harvest was 11% done in Texas, compared with 18% in 1974 and average 14%.

Boll development varied widely and ranged from 32% open in South Carolina to 7% open in both Alabama and Arkansas. Hot weather in Arkansas caused small boll shedding and premature boll opening.

Cotton harvest started in California. In Arizona, western growers were starting preparations for harvest, while cotton in central areas was 2 to 3 weeks behind schedule. Cotton in New Mexico was 2 weeks late, but boll setting was well advanced.

SOYBEANS: Soybean development continued strong as additional moisture and above normal tempera-

tures supported the crop over much of the major producing area.

In the North Central States, much of the crop has leaves turning and in many areas leaves are shedding. Illinois soybeans were 40% shedding leaves, much ahead of 4% in 1974 and average 8%. In Iowa, the crop was in mostly good condition; rains are aiding pod filling, and 44% had leaves turning versus 23% in 1974 and 37% average. Soybeans in Minnesota were 30% shedding leaves, 20% in Indiana, and 15% in Ohio. Harvest started in Illinois and Indiana and was 1% done in Missouri.

In the South, soybean prospects continue to improve and many fields are beginning to mature. Soybeans in Arkansas were in mostly good condition, but many areas need rain. In Mississippi, 24% of the leaves were turning and 8% shedding.

OTHER CROPS: Sorghum harvesting in Texas advanced to 59% complete versus 52% in 1974. Late sorghum in the High Plains needs rain. Sorghum was 50% mature in Oklahoma and 10% mature in Kansas.

Flue-cured tobacco harvest was near completion in border and eastern growing belts of North Carolina and well along in old and middle belts. Burley tobacco was 55% harvested in Tennessee and 33% in Kentucky, where the weather was too humid for curing. Harvest was 20% finished in Indiana, 40% in Ohio, and in full swing in Wisconsin.

Small potato tubers in Idaho need 2 to 3 weeks of good growing weather to realize normal sizing. Vine killing started in North Dakota, while in Aroostook County, Maine, vine killing was general.

Peanut digging was 18% finished in Alabama and 19% in Georgia; 9% was picked in Georgia and 13% in Alabama. Harvest was 19% complete in Texas and Mississippi.

FRUITS AND NUTS: Apple harvest is increasing in the Northern States as color improves. Bartlett pear harvest was in full swing in New York and New England. Early grape varieties and Concords for cold press were being harvested in New York. California growers were harvesting early varieties of wine grapes and in the San Joaquin Valley, raisin laying and table grape harvest were active.

Insects and disease continued to threaten pecans in Georgia and Texas.

VEGETABLES: Recent rains aided late vegetables in Wisconsin, but previous dry weather lowered yields of early crops now being harvested. Vegetable harvesting continued in Arizona, California, Michigan, the North Atlantic States, Oregon, Texas, Virginia, and Washington. Plantings for all vegetable crops continue active in Florida and several areas of Texas.

PASTURES AND LIVESTOCK: Pastures in much of the eastern half of the Nation are showing some improvement for fall grazing, while the pasture feed situation continues the seasonal decline in several Western States. Green chopping and hay are being fed in South Dakota to supplement the short pastures. Livestock movement from summer ranges was underway in Montana and Wyoming. Cattle and calves are in good condition in Texas, but culling was in progress.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., Sept. 7, 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 . . .	78	+ 1	.6	-.3	LA. Baton Rouge . . .	81	+ 1	.5	-.5	Youngstown . . .	63	- 3	1.3	+ .7
Mobile . . .	82	+ 2	2.9	+1.2	Lake Charles . . .	81	+ 0	.4	-.6	OKLA. Okla. City . . .	78	+ 1	.4	-.4
Montgomery . . .	81	+ 2	.3	-.7	New Orleans . . .	81	+ 1	1.8	+ .4	Tulsa . . .	81	+ 4	T	-.9
ALASKA Anchorage . . .	---	---	---	---	Shreveport . . .	80	+ 0	.7	-.4	OREG. Astoria . . .	60	+ 0	T	-.5
Barrow . . .	---	---	---	---	MAINE. Caribou . . .	56	- 2	.3	-.1	Burns . . .	62	+ 0	T	-.1
Fairbanks . . .	---	---	---	---	Portland . . .	60	- 2	.6	-.1	Medford . . .	69	+ 2	0	-.1
Juneau . . .	---	---	---	---	MD. Baltimore . . .	70	- 2	.4	-.1	Pendleton . . .	87	- 1	0	-.1
Kodiak . . .	---	---	---	---	MASS. Boston . . .	67	- 1	T	-.3	Portland . . .	65	+ 1	0	-.3
Nome . . .	---	---	---	---	Chatham . . .	63	- 1	.4	-.1	Salem . . .	62	- 2	0	-.2
ARIZ. Flagstaff . . .	60	+ 0	1.5	+1.0	MICH. Alpena . . .	57	- 3	.2	-.6	PA. Allentown . . .	64	- 4	.3	-.6
Phoenix . . .	88	+ 1	.8	+ .6	Detroit . . .	64	- 3	1.0	+ .4	Erie . . .	63	- 1	.1	-.7
Tucson . . .	81	- 1	.9	+ .5	Flint . . .	62	- 2	2.0	+1.3	Harrisburg . . .	67	- 3	1.0	+ .3
Winslow . . .	70	- 3	.8	+ .5	Grand Rapids . . .	63	- 3	.8	+ .1	Philadelphia . . .	71	+ 0	T	+.8
Yuma . . .	91	+ 1	.1	0	Houghton Lake . . .	58	- 2	.5	-.2	Pittsburgh . . .	65	- 2	.8	+ .2
ARK. Fort Smith . . .	78	+ 1	T	-.7	Lansing . . .	62	- 3	1.0	+ .4	Scranton . . .	63	- 3	.3	-.4
Little Rock . . .	79	+ 2	.5	-.3	Marquette . . .	59	- 2	1.4	+ .6	R.I. Providence . . .	64	- 3	T	-.8
CALIF. Bakersfield . . .	85	+ 6	0	0	Muskegon . . .	62	- 3	.8	0	S.C. Charleston . . .	81	+ 3	1.0	-.3
Eureka . . .	57	+ 0	0	-.1	S. Ste. Marie . . .	55	- 4	2.5	+1.6	Columbia . . .	80	+ 2	.7	-.5
Fresno . . .	77	+ 1	0	0	MINN. Duluth . . .	55	- 3	.8	0	Greenville . . .	77	+ 2	2.4	+1.5
Los Angeles . . .	72	- 2	0	-.1	Internatl Falls . . .	54	- 3	.4	-.4	S.D. Aberdeen . . .	63	- 1	.5	+ .1
Red Bluff . . .	81	+ 3	0	-.1	Minneapolis . . .	64	+ 0	.4	-.3	Huron . . .	64	- 1	.2	-.2
San Diego . . .	70	- 1	T	0	Rochester . . .	64	+ 1	.1	-.7	Rapid City . . .	64	- 1	0	-.3
San Francisco . . .	64	+ 0	0	0	St. Cloud . . .	60	- 2	.7	-.1	Sioux Falls . . .	64	- 1	.4	-.3
Stockton . . .	77	+ 3	0	0	MISS. Jackson . . .	80	+ 1	1.7	+ .9	TENN. Chattanooga . . .	78	+ 3	2.1	+1.3
COLO. Denver . . .	67	+ 0	T	-.2	Meridian . . .	81	+ 3	.1	-.7	Knoxville . . .	77	+ 3	.5	-.2
Grand Junction . . .	73	+ 2	0	-.2	MO. Columbia . . .	73	+ 1	.7	-.3	Memphis . . .	81	+ 4	.1	-.7
Pueblo . . .	72	+ 2	T	-.3	Kansas City . . .	76	+ 4	1.5	+ .5	Nashville . . .	78	+ 3	.3	-.5
CONN. Bridgeport . . .	67	- 3	T	-.8	St. Louis . . .	75	+ 2	0	-.6	TEX. Abilene . . .	78	- 2	0	-.5
Hartford . . .	65	- 1	.1	-.8	Springfield . . .	76	+ 3	0	-.9	Amarillo . . .	75	+ 2	0	-.5
D.C. Washington . . .	72	- 2	2.0	+1.1	MONT. Billings . . .	62	- 1	T	-.3	Austin . . .	81	- 1	.5	-.3
FLA. Apalachicola . . .	81	+ 1	.9	-1.4	Glasgow . . .	57	- 5	.2	-.1	Beaumont . . .	80	- 1	1.9	+ .6
Daytona Beach . . .	80	- 1	.1	-1.6	Great Falls . . .	59	- 2	.4	+ .1	Brownsville . . .	80	- 3	3.2	+2.1
Ft. Myers . . .	82	- 1	5.8	+3.7	Havre . . .	58	- 3	.8	+ .5	Corpus Christi . . .	81	- 2	2.0	+ .9
Jacksonville . . .	81	+ 1	.8	-1.1	Helena . . .	56	- 4	.2	-.1	Del Rio . . .	80	- 3	.8	+ .2
Key West . . .	83	- 1	1.6	0	Kalispell . . .	55	- 2	.2	-.1	El Paso . . .	79	+ 2	.1	-.2
Lakeland . . .	81	- 1	1.1	-.5	Miles City . . .	62	- 3	.2	-.1	Fort Worth . . .	83	+ 2	0	-.7
Miami . . .	81	- 2	.6	-1.3	Missoula . . .	56	- 3	.1	-.2	Galveston . . .	82	+ 0	2.5	+1.2
Orlando . . .	82	+ 1	T	-1.7	NEBR. Grand Island . . .	70	+ 1	.6	0	Houston . . .	80	- 2	.4	-.7
Tallahassee . . .	81	+ 1	.3	-1.4	Lincoln . . .	72	+ 2	1.1	+ .3	Lubbock . . .	75	+ 1	0	-.5
Tampa . . .	83	+ 1	3.1	+1.4	Norfolk . . .	69	+ 2	.5	-.1	Midland . . .	78	0	T	-.4
W. Palm Beach . . .	81	- 1	.6	-1.5	N. Platte . . .	67	0	T	-.5	San Angelo . . .	77	- 3	.3	-.3
GA. Atlanta . . .	78	+ 3	.5	-.3	Omaha . . .	72	+ 4	1.7	+ .8	San Antonio . . .	79	- 3	.3	-.5
Augusta . . .	81	+ 4	1.6	+ .8	Valentine . . .	66	0	T	-.4	Victoria . . .	82	+ 0	.1	-.9
Macon . . .	79	+ 1	1.6	+ .8	NEV. Ely . . .	60	+ 0	0	-.1	Waco . . .	84	+ 2	.1	-.6
Savannah . . .	80	+ 1	3.5	+2.1	Las Vegas . . .	86	+ 2	0	-.1	Wichita Falls . . .	80	- 1	T	-.6
HAWAII. Hilo . . .	---	---	---	---	Reno . . .	64	+ 1	0	0	UTAH. Blanding . . .	86	- 1	T	-.3
Honolulu . . .	---	---	---	---	Winnemucca . . .	64	+ 1	0	-.1	Salt Lake City . . .	68	- 1	0	-.2
Kahului . . .	---	---	---	---	N.H. Concord . . .	59	- 4	.2	-.5	VT. Burlington . . .	60	- 3	.6	-.2
Lihue . . .	---	---	---	---	N.J. Atlantic City . . .	66	- 4	.3	-.5	VA. Lynchburg . . .	73	+ 2	.7	-.1
IDAHO. Boise . . .	65	- 2	0	-.1	Trenton . . .	68	- 2	.1	-.7	Norfolk . . .	74	- 1	3.3	+2.2
Lewiston . . .	67	0	T	-.2	N.MEX. Albuquerque . . .	71	- 2	1.0	+ .8	Richmond . . .	73	0	.7	-.2
Pocatello . . .	61	- 3	0	-.2	Roswell . . .	74	0	.1	-.2	Roanoke . . .	73	+ 2	.6	-.3
ILL. Cairo . . .	79	+ 4	.3	-.6	N.Y. Albany . . .	61	- 4	.2	-.5	WASH. Colville . . .	59	- 3	.3	+ .1
Chicago . . .	69	0	.4	-.3	Binghamton . . .	59	- 5	.3	-.4	Omak . . .	59	- 7	0	-.1
Moline . . .	69	+ 1	1.2	+ .3	Buffalo . . .	62	- 3	.2	-.6	Quillayute . . .	58	0	T	-.8
Peoria . . .	70	+ 1	1.2	+ .4	New York . . .	67	- 4	T	-.9	Seattle-Tacoma . . .	62	0	0	-.4
Rockford . . .	65	- 2	.5	-.4	Rochester . . .	62	- 4	.1	-.5	Spokane . . .	60	- 3	T	-.1
Springfield . . .	73	+ 2	T	-.7	Syracuse . . .	59	- 7	.4	-.3	Walla Walla . . .	67	- 2	0	-.1
IND. Evansville . . .	75	+ 3	.1	-.6	N.C. Asheville . . .	71	+ 1	1.0	+ .1	Yakima . . .	62	- 3	0	-.1
Ft. Wayne . . .	69	+ 1	1.4	+ .8	Charlotte . . .	76	- 1	3.2	+2.4	W.Va. Beckley . . .	67	- 1	.3	-.5
Indianapolis . . .	72	+ 2	.1	-.6	Greensboro . . .	78	+ 5	2.2	+1.3	Charleston . . .	71	0	.7	0
South Bend . . .	68	+ 1	.4	-.4	Hatteras . . .	77	- 1	.9	-.6	Huntington . . .	73	+ 2	.4	-.3
IOWA. Burlington . . .	71	+ 2	.9	+ .1	Raleigh . . .	76	+ 2	.6	-.4	Parkersburg . . .	69	- 2	.2	-.5
Des Moines . . .	71	+ 3	.9	+ .1	Wilmington . . .	81	+ 4	T	-1.5	WIS. Green Bay . . .	60	- 3	.6	-.2
Dubuque . . .	66	+ 1	.5	-.6	N.DAK. Bismarck . . .	58	- 4	T	-.4	La Crosse . . .	66	0	.1	-.7
Sioux City . . .	69	+ 2	.4	-.3	Fargo . . .	57	- 5	.3	-.2	Madison . . .	64	- 1	.2	-.6
KANS. Concordia . . .	76	+ 4	.4	-.4	Williston . . .	57	- 4	.7	+ .3	Milwaukee . . .	64	- 1	.5	-.2
Dodge City . . .	78	+ 5	T	-.5	OHIO. Akron-Canton . . .	67	0	1.2	+ .6	WYO. Casper . . .	62	- 1	0	-.2
Goodland . . .	73	+ 5	T	-.4	Cincinnati . . .	72	+ 1	.3	-.3	Cheyenne . . .	67	+ 5	T	-.3
Topeka . . .	76	+ 4	1.2	+ .3	Cleveland . . .	64	- 3	.8	+ .1	Lander . . .	64	+ 1	T	-.2
Wichita . . .	78	+ 3	.6	-.2	Columbus . . .	70	+ 1	1.2	+ .6	Sheridan . . .	60	- 2	T	-.3
KY. Lexington . . .	73	+ 1	.5	-.2	Dayton . . .	70	0	.3	-.3	P.R. San Juan . . .	83	+ 2	2.7	+1.2
Louisville . . .	75	+ 3	.1	-.6	Toledo . . .	64	- 3	.7	+ .1					

Based on 1941-70 Normals

The Weekly Weather and Crop Bulletin is published by the National Weather Service, NOAA, and Statistical Reporting Service, USDA.
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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: Early week hot and dry with scattered thundershowers late week. Hottest week of year with 99° recorded at Anniston on 5th. Weekend temperatures cooled off with light rain and showers.

Crops that were hurting by dry weather were relieved by weekend moisture. Haying, applying pesticides, repairing harvest equipment, preparing land for fall crops and light harvesting of peanuts, corn and cotton were principal activities. Corn in good to excellent condition; 95% dented; 74% matured; 16% harvested for grain, 1974 10% harvested. Soybeans in fair to good condition: 95% setting pods; 26% turning; 8% mature. The fair crop of cotton 7% bolls open, 12% in 1974. Peanuts in fair to good condition, 18% dug and 13% combined. Dry weather permitted haying, 81% complete. Pastures in fair to good condition. Soil moisture short, except for southwest.

ALASKA: Tanana Valley: Wet cool week; light frost eastern valley on 3d. Matanuska Valley: Wet and cool, rainfall totals light, but locally heavy. Local light frost. Kenai Peninsula wet week with heavy precipitation. Temperatures near or slightly above normal. Kodiak: Relatively dry week with temperatures averaging 2° below normal.

Rain showers continued to hamper most farming activity throughout Rainbelt. Grain harvest expected to begin about mid-September. Warm dry weather needed for grain maturity. Crop prospects are average to above average. Ground moisture supply adequate in all areas.

ARIZONA: Rains fell most of State. Temperatures unseasonably low late in week. Averages slightly above normal. Below normal southeast, central mountains.

Cotton fair progress; some preparation for harvest west; central area 2 to 3 weeks behind; wet weather hampered maturity southeast. Grain sorghum good progress, some fields ready harvest. Alfalfa seed harvest started. Fifth cutting alfalfa hay completed. Fall lettuce stands good Cochise County. Preparations, planting lettuce, mixed vegetables well advanced. Lettuce Pima, Pinal Counties good stands. Cantaloups fall harvest good progress. Limited lemon harvest underway Yuma County. Range condition mostly fair. Cattle, sheep fair to good.

ARKANSAS: Temperatures near to above normal. Extremes: 102 and 48°. Rainfall general over State. Amounts generally less than 1.00 in.

Soil moisture short. Six days available for fieldwork. Farmers combining rice and sorghum and baling hay. Cotton good to fair condition; 7% bolls open, slightly ahead of 1974. Hot weather caused small boll shedding, premature boll opening. Rice condition good; 9% combined; more fields drained, volume harvest soon. Soybeans in good condition; many areas need rain. Sorghum 34% harvested, good yields reported. Hay cutting continued. Pastures providing adequate forage, but deteriorating. Cattle making small gains.

CALIFORNIA: Fair through week except few scattered showers northern mountains 1st. Warming trend most inland areas. Central valley extremes

90 and 50°; inland coastal valleys, 100 and 40°; low southeast desert 105 and 70°. Weekly averages near normal except 3 to 6° below extreme north-east.

Small grain harvest virtually complete. Milo, corn fields look good. Safflower, sugarbeets, dry beans harvest underway. Cotton harvest started. Harvest late variety peaches, plums and nectarines tapering off. Expect pear harvest Lakeport complete this week. Prune picking active. Almond harvest active early varieties. Harvesting early varieties wine grapes. Raisin laying, table grape harvest active San Joaquin Valley. Tokays Lodi area showing good color. Bunch rot some areas San Joaquin Valley. Starlings a problem. Red, Golden Delicious apple harvest begun Sonoma, Santa Clara Counties. Early pomegranate harvest underway. Figs being harvested. Vinegar flies causing sour fruit, Fresno County. Valencia orange harvest complete Fresno this week. Other areas, Valencias declining quantity, quality. Granulation problems some grapefruit, Riverside County. Broccoli heavy, cauliflower moderate Salinas, quality good. Cantaloup increasing westside. Carrot, celery and lettuce active Salinas, quality good. Sweet corn continues Orange County, honeydew continues Yuba City. Market tomatoes active Orange County, canning tomatoes continue. Range pasture condition dry. Stock water adequate. Some calving started, some cattle sold off range. Sheep graze wheat barley stubble.

COLORADO: Temperatures 1 to 3° above normal. High of 102° in Lamar. Scattered showers central mountains and southeast plains midweek. Precipitation generally less than 0.50 in.

Corn silage 6% harvested, 16% 1974, 12% average. Corn for grain 81% dough stage, 47% dented. Dry beans 26% cut, 6% threshed. Winter wheat 22% seeded, 14% 1974, 22% average. Topsoil moisture short. Sorghum 88% headed, 35% colored. Second cutting alfalfa 79% complete, 3d cutting 21%. Spring barley 56% harvested. Summer potatoes 60% harvested. Ranges and pastures good, except southeast poor. Livestock good condition.

FLORIDA: Near normal temperatures, scattered afternoon thundershowers. Rainfall averaged 1.00 to 3.00 in. Heavy thundershowers some locations in excess of 3.00 in.

Soil moisture adequate north, west, mostly short south. Field crops good condition. Corn, peanut harvest active, yields good. Soybeans fair to good condition. Sugarcane good condition. Marketing tobacco continues. Land preparation for small grains, winter grazing underway. Pastures good to excellent. Some areas damaged by spittlebug infestations, moles and crickets. Cattle, calves good condition. Citrus crop progressing well, some early fruit color break. Plantings for all vegetable crops continue active. Crop conditions and plant growth good to excellent. Adequate moisture for plantings, germination. Squash harvest active north, light Dade County.

GEORGIA: Scattered showers 30th and 31st with variable amounts averaging 0.30 in. except near 1.00 in. southeast. Rather hot and dry 1st through 5th, temperatures averaged near normal except 1 to 3° above northwest. Cooler over weekend with scattered showers central and south.

Numerous showers extreme north with amounts in excess of 1.00 in.

Soil moisture extremely varied, no pattern, mostly short to adequate. Fieldwork very active, 6 days suitable. Peanut harvest continued, 19% dug, 9% picked, 1974 17% and 11%, average 48% and 37%; condition good. Corn good, 17% harvested, 1974 11%, average 9%. Cotton fair to good condition, down slightly, insecticide applications continued. Soybeans condition slightly below last week, insect and heat problems. Tobacco harvest virtually complete, marketing lagging, haying and silage harvest active. Pecan condition fair, numerous insect and disease problems. Seeding of small grains underway. Pastures fair to good, declining. Cattle and hogs good. Apple harvest continuing.

HAWAII: Clear skies prevailed most areas.

Heavy irrigation and frequent spraying necessary to maintain fair to good crop progress. On Kauai, water supply low in reservoirs. Irrigation frequency of sugarcane crop decreasing. Vegetable supplies adequate, melon production light. Banana supplies moderate to heavy. Papaya production increasing seasonally. Pastures in some western and northern outlying areas on Kauai in poor condition. Pineapple harvesting light. Sugar harvesting steady.

IDAHO: Temperatures averaged 5 to 10° below normal, scattered frost higher valleys. Highs 70's and 80's, lows 30's to 40's, but middle 20's higher valleys early week. Precipitation limited.

Cool weather retarded crop development. Grain harvest delayed early week, picked up on 3d all areas except extreme north. Frost damage locally severe, some east, State minimal. Potato tubers small, 2 to 3 weeks good growing weather to realize normal sizing. Winter wheat 55% harvested, 100% 1974. Spring wheat 55% harvested, 85% 1974. Second cutting alfalfa 85% cut, 100% 1974. Potato crop 15% vines dying, 40% 1974. Livestock good to excellent condition, some pink-eye east. Range grasses providing excellent forage.

ILLINOIS: Temperatures 1 to 2° below normal north, 1 to 6° above normal elsewhere. Precipitation north 0.50 to 1.25 in., south light except extreme southwest.

Corn dent 94%, 67% 1974, average 78%, 75% mature, 20% 1974, average 31%; harvest underway; condition mostly excellent. Soybeans 70% turning yellow, 13% 1974, average 32%; 40% shedding leaves, 4% 1974, average 8%; combining underway; condition good to excellent. Third crop alfalfa hay 71% cut, 73% 1974, average 66%; condition mostly good. Plowing 1976 winter wheat 75% complete, 83% 1974, average 78%. Pastures mostly good. Soil moisture 8% short, 80% adequate, 12% surplus. Fieldwork: 4.5 days suitable.

INDIANA: Warm on 3d, some 90's, then showers and cool later. Precipitation from 0.30 in. southwest and southeast to 1.20 in. north central and northeast. Intermediate amounts in other areas. Lowest temperature 43° at Wanatah on 7th. Humidities and soil temperatures above normal.

Fieldwork averaged 5 days. Topsoil and subsoil moisture mostly adequate. Corn harvest starting; 25% mature, 1974 10%, average 15%; 85% dented. Few soybean fields combined; soybeans 20% shedding leaves. Wheat land 55% plowed, 1974 60%, average 60%. Wheat 5% seeded. Barley and rye 10% seeded. Tobacco 20% harvested, 1974 20%. Pastures fair.

IOWA: Temperatures near normal north to +3° south. Rainfall from 0.50 in. below normal north-east to 1.30 in. above normal south central, above normal over southern two-thirds.

Additional rain aiding crops. Corn lodged from wind, rootworms, and poor brace roots, mostly southwest, scattered elsewhere. Harvest of lodged corn will be difficult. Virtually all corn in or past dough stage; 86% dented, 56% 1974, 74% average; 43% mature, safe from frost, 24% 1974, 34% average; condition mostly fair to good. Rains helping fill soybean pods; 44% soybeans leaves turning, 23% 1974, 37% average; condition mostly good. Third cutting alfalfa 56% harvested, 2d cutting red clover hay 86% harvested. Pastures greening well, condition fair to good. Topsoil moisture adequate, subsoil moisture adequate. Fieldwork averaged 5 days suitable.

KANSAS: Temperatures averaging 76° northwest to 79° south, 5 to 7° above normal. General rains 0.50 to 1.50 in. fell northeast and central, while much lighter elsewhere.

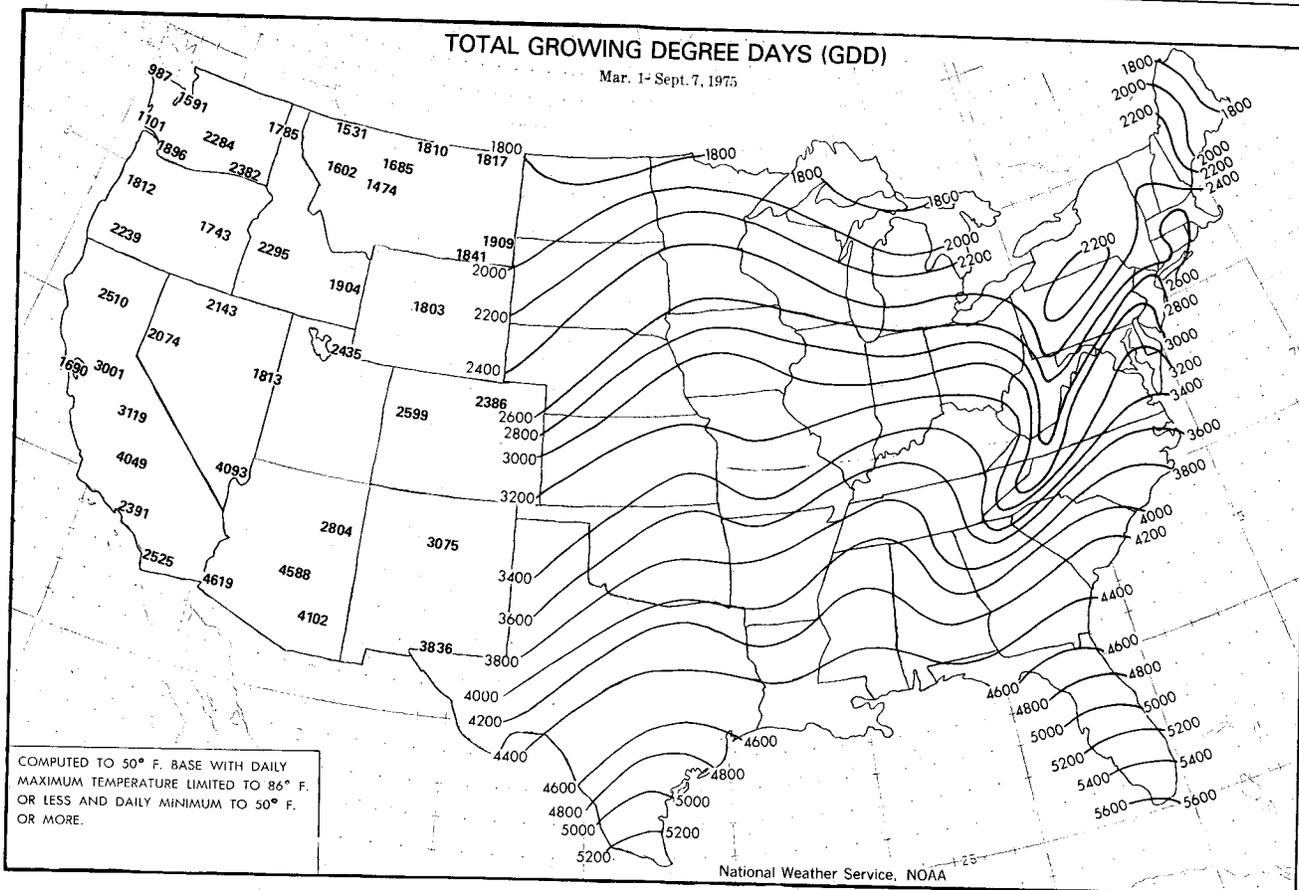
Soils dry western two-thirds. Wheat seeding for 1976 crop underway, land being prepared. Corn 95% dough stage, same as 1974 and average; 40% mature, same as 1974 and average; 5% harvested, same as 1974 and average. Sorghum grain 90% headed, same as average, 85% 1974; 10% mature, same as average, 5% 1974. Few fields being harvested. Alfalfa being seeded, 50% completed, 30% 1974, 45% average. Third cutting alfalfa 85% completed, same as 1974, 90% average. Fourth cutting alfalfa 5% completed, 10% 1974, and 20% average.

KENTUCKY: Very warm and humid through 4th turning cooler late week. Temperatures averaged 75°. Precipitation averaged 0.50 in. from thunderstorms on 5th.

Soil moisture short most areas. Farm work centered around tobacco harvest, haying, corn grain and silage harvest, and land preparation for fall seeded crops. Burley 33% cut, darks 45%, 1974 28% and 48%, average 30% and 39%. Weather too humid for proper curing, some house-burn. Corn silage harvest active, 26% cut, 20% 1974. Corn grain harvest accelerating, 20% mature, 56% dented, 1974 10% and 53%, average 6% and 49%. Soybean development speeded up by hot dry weather, 42% leaves turning yellow or shedding, 25% 1974, 29% average. Fall plowing 18% complete. Pastures affected by dry weather.

LOUISIANA: Temperatures normal. Scattered showers most numerous south. Greatest 1-day rainfall 1.65 in. Boothville, on 6th. Temperature extremes 98° Alexandria, Natchitoches, Shreveport and Minden and 64° Shreveport and Monroe on 7th.

Soil moisture mostly adequate; short north and surplus southeast. Fieldwork possible 4.8 days. Main activities insect control cotton and soybeans, planting sugarcane, harvesting rice and sweetpotatoes, land preparation, and hay making. Soybeans fair to good. Spraying continued, early planted maturing rapidly north. Cotton fair. Insect damage moderate to heavy; less than 10% open; one bale ginned. Rice good. 71% harvested, 81% 1974, 71% average; harvest beginning northeast. Corn fair to good; 50% harvested. Sorghum harvest continues; insecticide application increased, worm damage moderate. Sugarcane fair to good, borer infestation moderate; some cane lodged; under 20% 1976 crop planted. Sweetpotatoes fair to good.



Pecan prospects reduced. Hay harvest active. Pastures average, cattle mostly good.

MARYLAND AND DELAWARE: Temperatures averaged near normal. Highs low 90's and lows upper 40's. Precipitation ranged from 0.08 to 4.66 in.

Corn rated good to excellent, 40% matured. Corn for silage 30% harvested, corn for grain 4%. Soybeans 15% yellowed, 5% shedding leaves, 6%, 1% 1974. Tobacco 62% harvested, 65% 1974, 70% average. Apple and peach harvest continues.

MICHIGAN: Temperatures ranged 40 to 80°. Precipitation 1.00 to 3.00 in.

Soil moisture surplus. Corn 75% dented, 38% 1974, 46% normal. Corn silage 5%, 4% 1974, 6% average. Soybeans 50% turning color, 14% 1974, 37% normal. Dry beans discolored and rotting from standing water; 60% shedding leaves; 5% harvested, 2% 1974, 10% average. Potato digging Saginaw Bay 40%, Upper Peninsula 20%. Winter wheat planting. Third cutting alfalfa hay 15%, 17% 1974, 25% average. Rains cracked fruits and vegetables and stopped field activity. Peach harvest 80%; pears 50%; plums 30%; carrots 45%; celery 55%; dry onions 40%. Fieldwork: Less than 2 days.

MINNESOTA: Temperatures near normal south third, but 3 to 4° below normal elsewhere. Extremes: 90 and 36°. Precipitation 1.00 to 1.50 in. west central through north, 0.50 to 0.80 in. remainder of central; and 0.20 in. south third.

Wet fields delaying completion of small grain and flax harvest in important north. Corn, soy-

bean development ahead of normal many fields nearing maturity south. Corn 72% dent stage, 1974 50%, average 64%; crop mostly fair to poor condition. Corn for silage 16% cut or average progress. Soybeans 80% turning yellow, 1974 51%, average 69%; shedding leaves 30%, 1974 13%, average 23%; crop fair to good condition. Spring wheat 81% harvested, 1974 63%, average 88%. Slightly more than 50% harvested, normally 75%. Fall seeding of winter wheat and rye more than 50% completed, one week ahead of average. Subsoil moisture continues short several areas. Plowing grain stubble difficult.

MISSISSIPPI: Temperatures near normal. Extremes: 100 and 63°. Greatest 24-hour rainfall was 2.00 in. at Wiggins on 5th.

Soil moisture mostly short to adequate except mostly short north. Fieldwork: 5.9 days suitable. Cotton 14% with open bolls, 15% 1974, 16% average. Soybeans 93% setting pods; 24% turning, 22% 1974; 8% shedding, 9% 1974. Corn 84% dented, 36% mature. Rice 87% headed, 30% mature. Sorghum 95% headed, 43% mature, 19% harvested. Sweetpotatoes 40%, peanuts 39%, hay crops 74%, corn silage 64%, sorghum silage 44% harvested. Cotton in poor to fair condition. Other crops mostly in fair to good condition.

MISSOURI: Temperatures 3 to 6° above normal. Greatest departures west Ozarks and Bootheel. Precipitation widespread. Heavy amounts scattered, northwest prairie just under 5.00 in., 2.00 in. plus in Ozarks.

Corn condition moderately improved, soybeans

and cotton declined. Cotton insect infestation and boll weevil damage is severe. Rain benefited late maturing crops throughout. Fieldwork 5 days. Corn 89% dented, 63% 1974, 79% average; poor to fair. Soybeans 90% setting pods, 83% 1974, average 87%; 24% turning color, 6% mature and 1% harvested; mostly fair condition. Cotton 16% open bolls, 3% 1974; condition poor to fair. Grain sorghum 93% headed; 32% mature, 1974 19%. Third cutting alfalfa 79% complete.

MONTANA: Week began cool and wet, drying with slow warming by weekend. Temperatures averaged 2 to 5° below normal. Precipitation mostly below normal with scattered showers early week.

Cool wet weather delayed harvest. Winter wheat 70% combined, 1974 and normal 100%. Spring wheat harvest 40% done, 1974 75%, normal 80%. Barley 25% harvested, 1974 80% and normal 85%. Oats 40%, 1974 85% and normal 80%. Corn silage chopping started. Dry beans 10% combined. Sprout damaged unharvested winter wheat none to light. Winter wheat seeding 10% done, near 1974 and normal. Grazing prospects of late summer ranges good. About 10% cattle and sheep moved from summer ranges.

NEBRASKA: Temperatures 20° above normal east early week, below normal remainder. No rainfall west, nearly 5.00 in. southeast.

Topsoil moisture supplies 66% short, 30% adequate, and 4% surplus. Subsoil moisture supplies 91% short and 9% adequate. A year ago topsoil moisture 72% short and subsoil 82% short. Wheat ground preparation statewide, some planting. Corn 85% in dent stage, normal 75%, 1974 70%; 25% mature 20% normal; irrigated corn mostly good; dryland corn mostly fair. Silage harvest continues. Sorghum condition mostly fair to good; 80% normal. Soybean condition mostly fair to good; 45% of leaves turning, near normal. Alfalfa hay fair; 85% of 3d cutting harvested. Dry beans maturing. Sugarbeets progressing well. Pasture and range feed supplies 79% short, 21% adequate.

NEVADA: Dry mild weather. Temperatures near normal. Extremes: 105° Logandale, 22° Mountain City.

Third cutting alfalfa gaining momentum. Ranges mostly good condition.

NEW ENGLAND: Rainfall below normal southern New England, somewhat higher north. Week started cool, moderated end.

Cool weather and scattered showers marked start of fall activities. Aroostook, Maine top killing potatoes general. Silage chopping active all areas, yields on early fields good. Harvest Bartlett and Bosc pears. Apple picking gaining volume as color improves. Haying remains active.

NEW JERSEY: Temperatures averaged 3 to 6° below normal. Extremes: 41° at Canoe Brook on 4th and 85° at Cape May Court House on 6th. Rainfall averaged 0.15 in. north, 0.09 in. central and 0.38 in. south. Heaviest 24-hour total was 0.46 in. at Cape May Court House.

Estimated soil moisture, in percent of field capacity, averaged 71% north, 41% central and 39% south. Cool temperatures benefiting fall crop quality. Harvest of fall vegetables increasing. Sweet corn and tomatoes moving to local markets. Eggplant, peppers and squash in moderate to good supply. White potato digging active. Peach harvest nearing completion. Apple harvest increasing. Cranberry harvest to begin next week. Soybeans beginning to color. Corn silage harvest active. Barley planting underway. Hay making nearing completion.

NEW MEXICO: Heavy rains over most of central and west from midweek on. Totals for the week in excess 2.00 in., Silver City had more than 5.00 in. Only light rains eastern plains and northwest plateau. Prevailing cloudiness all areas except east most of week, temperatures averaging near normal.

Moisture adequate southeast, short elsewhere. Ranges and livestock good north central, southeast, fair elsewhere. Cotton fair; 2 weeks late; well advanced boll setting. Alfalfa mostly good, 3d cut north, 4th cut south. Some harvest delayed by rain. Grain sorghum and corn good, many fields in dough stage. Irrigated winter wheat, barley good, some greenbugs. Dryland wheat planting slow due to dry weather.

NEW YORK: Temperatures averaged from 0 to 6° below normal. Extremes: Poughkeepsie 79°, Watertown and Boonville 39°. Rainfall averaged below normal. Northeast received about 1.00 in., elsewhere below normal. Cool, wet conditions 1st, 2d, 5th and 6th, rest of week fair with seasonal or cool temperatures.

Maturing of corn and silage harvest ahead of normal. About 10% in silo. Poor drying conditions delayed 3d cutting alfalfa, harvest 40% complete. Fall plowing and fitting for wheat continues. Potato harvest continues. Moisture deficient on Long Island. Processing vegetable harvest continues, sweet corn and snap bean yields falling, beet and cabbage yields improving. Onion harvest continues, good quality, but lower yields. Bartlett pear harvest full swing. Peach harvest nearly over except for late varieties. Early variety grapes and Concord grapes for cold press being harvested.

NORTH CAROLINA: Temperatures ranged from 2 to 6° above normal. Highs reached well into the 90's east of mountains. Greensboro at 98° set a record on 4th. Rainfall amounts generally light, but some locally heavy rains occurred from central to northeast.

Days suitable fieldwork 4.8. Soil moisture 19% very short, 51% short, 30% adequate. Flue-cured tobacco harvest nearing completion in border and eastern belts, well along in old and middle belts. Burley tobacco harvest 35% complete, 1974 20%. Corn 12% combined, 1974 12%. Soybeans, cotton and peanuts condition declined. Sweetpotatoes 15% dug, 1974 14%. Pastures poor to fair. Grape harvest started.

NORTH DAKOTA: Temperatures averaged 1° of normal. Extremes: 93° at Ft. Yates, 35° at Watford City and Bismarck. Precipitation above normal northwest 0.33 in., north central 0.06 in., elsewhere below normal. Greatest precipitation Upham 0.80 in. Weekend near average daytime temperatures with cold nights. Scattered showers on weekend. Northeast light frost.

Small grain harvest hindered by cool, wet weather. Hard spring wheat about 62% combined, 64% 1974, 79% average. Durum 42% combined, 37% 1974, 64% average. Oats 80% combined, 76% 1974, 89% average. Barley 90% combined, 71% 1974, 88% average. Some grain in swath several weeks. Potato vine kill started. Livestock good condition with adequate pasture feed.

OHIO: Mild temperatures, highs ranging upper 60's to low 90's, lows, upper 40's 6th and 7th. Precipitation ranged 2.05 in. northwest to 0.25 in. southeast.

Corn 30% mature, 25% 1974, and 20% normal. Soybeans 50% leaves turning yellow, 35% 1974, and 40% normal; 15% shedding leaves, 5% 1974, and 20% normal. Harvest completed: Corn silage 25%, 20% 1974, and 25% normal; tobacco 40%, 20% 1974, and

35% normal; potatoes 40%, 35% 1974, and 40% normal. Fall plowing for wheat 50% completed, 35% 1974, and 55% normal. Soil moisture supplies 6% short, 36% adequate and 58% surplus. North half surplus, extreme south short. Fieldwork: Over 3 days favorable.

OKLAHOMA: Temperatures averaged from 3 to 5° above normal. Precipitation averaged from none central to 0.24 in. east central. Weekend hot and mostly dry.

Fertilizer application and tillage of wheat ground active, scattered showers helped some areas, but most of north and Panhandle counties need moisture before planting. Condition row crops improved except peanuts, down slightly. Corn cut for ensilage. Sorghums 50% mature, some early sorghums combined. Cotton 94% setting bolls. Peanuts spiking, some disease problems. Soybeans 75% setting pods. Cotton, peanuts, corn, soybeans slightly behind average. Fourth cutting alfalfa hay 50% complete, mostly good yields. Condition of ranges and cattle fell slightly, but still mostly good.

OREGON: Temperatures below normal. Maximums averaged 80's and 90's. Minimums in 30's and 40's. Precipitation ranged 0.25 to 0.67 in. over coast and Willamette Valley, minor amounts elsewhere. Grain 95% harvested. Some western grain sprouting in unharvested fields. Mint distilling in full swing. Hop harvest progressing. Haying continuing. Land preparation, fall seeding underway. Bartlett pear, apple, peach harvests continuing. Prune harvest two weeks away. Filbert and walnut crops look good. Blackberry harvest continuing with some mold problems. Sweet corn, green beans, broccoli, beets, cabbage, cauliflower, lettuce, cucumbers, onion harvests continuing. Potato harvest continuing at Hermiston and getting underway at Ontario. Ranges, pastures in good condition. Cattle on stubble, feed, water supplies adequate. Cattle and calves in good shape. Low fire danger.

PENNSYLVANIA: Almost daily changing conditions, alternating from cool and clear to cloudy with showers. Weekly rainfall from 1.00 to 1.70 in. west central and north central to 0.10 in. or less Erie and Philadelphia. Elsewhere 0.50 to 1.00 in. Temperature extremes: 82 and 36°.

Soil moisture most adequate; surplus north. Major activities: Harvest of peaches, tomatoes, oats, apples, pears, potatoes and hay plus fall plowing and seeding winter wheat and barley. Oats virtually harvested. Tobacco 38% cut, 4 days ahead of 1974. Potatoes 29% dug, on par with 1974. Corn for grain 4% mature, 44% dented, 8 days ahead of 1974. Fall plowing 19%, same as year ago. Alfalfa hay 2d cut 92%, 3d cut 42%, 4th cut 23%. Clo-Tim 2d cut 78%. Hay quality fair to poor, hurt by rain north. Barley seeding 25%, winter wheat 22%.

PUERTO RICO: Island average rainfall 1.38 in. Highest weekly total 4.71 in. at Rincon. Highest 24-hour total 2.70 in. at Rincon. Temperatures averaged about 80° on coasts and 75° interior. Extremes: 93 and 49°.

Favorable weather for development and cultivation of sugarcane except south coastal areas where dry conditions hampered development. Generally favorable weather for development and ripening of coffee beans. Harvest began some areas. More rain needed some areas. Farmers preparing tobacco seedbeds. Recuperation of pastures from dry conditions noted all areas.

Some areas suffering insect attacks. Food crops making satisfactory progress, especially the new plantings. Strong winds caused damage from passage of a tropical wave.

SOUTH CAROLINA: Week averaged several degrees hotter than usual, little day-to-day variation. Rainfall averaged below normal, locally heavy showers some areas. Precipitation occurred scattered thundershowers first, last of week.

Cotton condition fair; insects under control; dry conditions hurting expected yield; open bolls 32%, 8% 1974, 25% average. Soybeans condition fair to good; lack of rainfall reducing yield; setting pods 83%, 85% 1974, 80% average. Corn condition good; 87% mature, 86% 1974, 85% average; 28% harvested, 22% 1974, 17% average.

SOUTH DAKOTA: Temperatures averaged from 2° above to 8° below normal. Extremes: 99 and 35°. Precipitation varied considerably, most rainfall of 1.00 in. or more fell in east.

Damp weather north continues to hamper flaxseed harvest which is 86% complete, 1974 95%, normal 90%. Corn 70% dented, 1974 62%, normal 72%; 22% mature, safe from frost, 1974 20%, normal 33%. Sorghum 63% showing head color, 1974 54%, normal 62%. Soybeans 37% shedding leaves, both 1974 and normal 33%. Winter wheat 23% seeded, 1974 21%, normal 28%. Winter rye 32% seeded, 1974 18%, normal 26%. Fall plowing 54% complete, 1974 53%, normal 50%. Livestock are generally in fair to good condition. Farmers continue to green chop corn and feed hay to supplement short pastures in central and east. Stock water supplies are generally adequate except central and south central.

TENNESSEE: Temperatures averaged 3° above normal. Rainfall occurred over weekend. Weekly average below normal.

Pastures poor condition from hot, dry weather. Second crop hay short. Soybeans 76% set pods, 1974 65%, average 76%; moisture needed to fill out pods. Corn over 90% dented, mature 36%, 1974 41%, average 36%. Late corn hurt. Cotton 25% open bolls, 1974 5%, average 15%. Burley tobacco harvested 55%, 1974 42%, average 55%. Land preparation lagging due to dry soil.

TEXAS: Scattered thunderstorms, normal temperatures prevailed south, southeast. North-western two-thirds, temperatures normal but precipitation below normal. Rainfall extreme south averaged 2.00 in., some locales more. Rain 1.00 in. upper coast, southeast but little or no rain elsewhere. Harvest of cotton, corn, sorghum, peanuts, and rice continues. Corn harvest about to get underway along High Plains. Prospects remaining good. Sorghum harvest complete southeast. Late sorghum on High Plains in need of rain. Peanut leaf spot damage some later fields. Dryland peanuts in Cross-Timbers and Blacklands areas need additional moisture. Quality of the first cutting rice good. Second crop heading out. Guar: Heavy rainfall in Lower Rio Grande Valley caused severe damage. Sugarbeets on High Plains making satisfactory progress. Sunflower yields on Low Plains above average. Wheat planting delayed lack of moisture. Rains delay cotton harvest Coastal Bend and Rio Grande Valley. High Plains crop squaring and blooming stage. Insect damage on increase Low Plains, Trans-Pecos and Edwards Plateau areas. Major crops percent planted: Wheat 3, 1974 11, average 34; oats 2, 1974 3, average 5. Major crops percent harvested: Corn 25, 1974 41, average 45;

sorghum 59, 1974 52, average 48; peanut 19, 1974 21, average 21; rice 90, 1974 89, average 80; cotton 11, 1974 18, average 14.

High Plains: Onion harvest complete. Potato supplies continue seasonal decline. Some cucumbers, carrots and cabbage still available. Watermelon harvest continues. Trans-Pecos: Cantaloup harvest complete. Green peppers making good growth. Tomato harvest active. East: Watermelon harvest started seasonal decline. Digging early sweetpotato fields. Central: Few late watermelons still being picked. San Antonio-Winter Garden: Cabbage, carrots, cucumbers and eggplants emerged and making satisfactory progress. Coastal Bend: Cucumber planting will resume and planting cabbage and spinach getting underway as soon as fields dry from recent rain. Laredo: Early tomatoes been planted. Pecan crop continues to be threatened by various insects and diseases. Citrus crop will benefit from recent heavy rains; this year's fruit are larger and cleaner than last year's crop. Picking of few early oranges already started.

Grazing conditions remain good most areas although pastures show stress due to lack moisture. Cattle, calves good condition, culling in progress. Hay fields require additional rainfall before next cutting. Fall sheering goats, sheep active. Ticks, hornflies, screw-worms continue problem especially south.

UTAH: Little or no precipitation. Very light amounts in east. Average temperatures 1 to 2° below normal except Dixie and south central, 1 to 2° above normal.

Small grain harvest running late, winter wheat 90% harvested, spring wheat 65%, barley 70% and oats 60%. Alfalfa seed production rated fair. Pear prospects good, peaches only fair. Winter wheat planting quite late, little or none planted yet. Livestock condition generally good. Stock-water adequate, soil moisture short. Range feed prospects for areas now in use fair to good. Fall-winter range prospects also fair to good. Lambs seem to be moving fairly well, little or no calf contracting.

VIRGINIA: Temperatures averaged 3° above normal. Extremes: 97 and 49°. Average rainfall 2.03 in. Greatest amount 9.95 in. at Williamsburg on 1st.

Fieldwork: 4.7 days suitable. Topsoil moisture 65% adequate, 30% short, 5% surplus. Southwest still short of moisture. Corn for grain 4% harvested, 1974 2%. Silage harvest active statewide. Soybean condition improved; insects still required spraying. Peanuts improved; diseases and insects required controls. Tobacco harvest progress: Flue-cured 65%, 1974 58%; fire-cured 49%, 1974 39%; burley 39%, 1974 27%; sun-cured 54%, 1974 57%. Hay yields variable depending on moisture. Cattleman marketing feeder stock. Harvest of apples, cabbage, sweetpotatoes, cucumbers continued. Land being worked for fall grain planting.

WASHINGTON: West: Temperatures 2 to 9° sub-normal although along coast near to slightly below. Precipitation near to slightly above normal except 0.50 in. below normal along coast.

Harvesting: Blackberries, blueberries, cucumbers, lettuce, tomatoes, sweet corn, broccoli, cauliflower, potatoes. Some pea vine hay lost

due to rain. Planting seed cabbage and garlic. Combining seed crop with some loss from rain. Haying resumed. Pastures improving. East: Temperatures 3 to 8° subnormal. Rainfall near to slightly above average.

Apple color developing nicely. Early picking of red and golden delicious. Also picking: Pears, peaches, prunes. Harvesting: Sweet corn, tomatoes, onions, dry beans, hops, vegetable seeds, potatoes, red clover seed, alfalfa seed, wheat, barley, lentil, pea harvest resumed. Daily cutting delayed by dew. Yields good with minimal sprouting. Other activities: Rod weeding, cultivating seeding, fertilizing. Ranges and pastures improving.

WEST VIRGINIA: Temperatures and precipitation above normal, heaviest rainfall northwest and south. Flooding northern panhandle.

Favorable workdays 4.4. Soil moisture 25% short, 69% adequate and 6% surplus. Main fieldwork: Haying, clipping pasture and harvesting vegetables. Potatoes 51% dug. Second cutting hay 80% complete. Tobacco harvested 60%. Corn good to fair; 5% silked, 39% dough, 39% dented and 17% mature. Pasture fair to good. Livestock in good condition.

WISCONSIN: Temperatures averaged 2° subnormal. Showers and thunderstorms several days, amounts generally light. Heaviest rainfall north, totals slightly over 1.00 in., tapered off to less than 0.50 in. south.

Corn crop maturing well; 67% dent, 1974 30%, normal 45%. Seed corn and early varieties being picked. Lot of variation on corn crop, best in long time for some but poor on light soils where lacked moisture. Drought stricken corn going into silos. Good growth on hay, new seedings, and pastures since rains came. Third crop hay growth better than 2d many areas. Pasture conditions ahead of 1974 and normal. Last of oats being combined but slow going due to soft fields and lodged grain. Soybeans looking good, need few weeks without frost. Little fall plowing done. Seeding of winter wheat and rye underway. Tobacco harvest in full swing. Potato harvest going strong. Sweet corn harvest ahead of 1974 and normal. Harvesting of other vegetable crops continues. Late vegetables have grown good since the rains came. Early apple harvest well along. Cranberries look good, harvest to start in 2 weeks. Soil moisture 10% short, 80% adequate, 10% surplus.

WYOMING: Few areas varied more than 2° from normal and mostly on minus side. Western counties had freezing at least one night. Isolated freezes showed up most drainages. Precipitation almost non-existent, 0.24 and 0.18 in. fell in Big Horn Drainage.

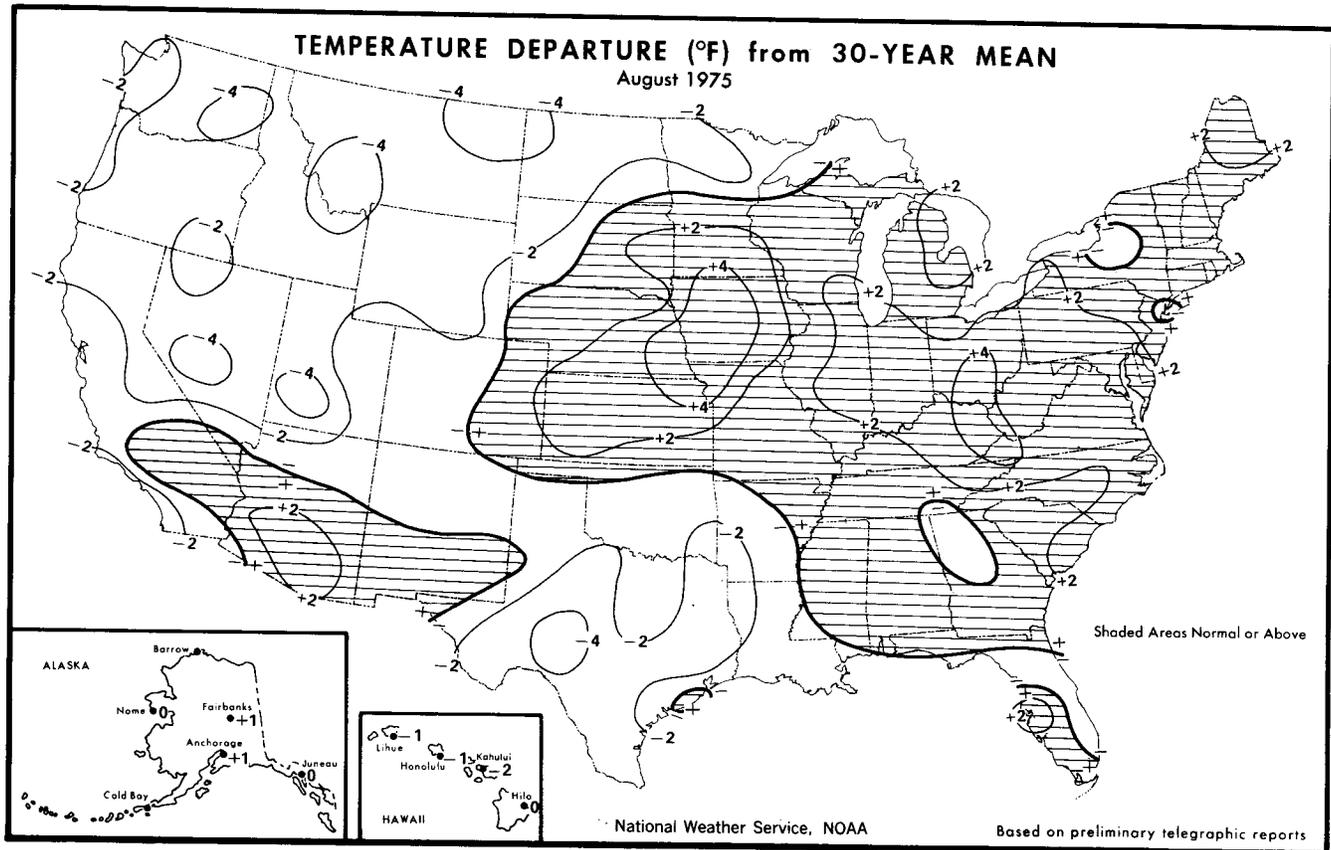
Topsoil moisture very short east, adequate northwest, short elsewhere. Winter wheat 25% planted, beginning to emerge. Oats 67% harvested, barley 75%, spring wheat 80%, corn silage 5%, and potatoes 5% dug. Dry beans 30% windrowed, combining started. Corn mainly dough stage, beginning to dent. Second cutting alfalfa 80%, 3d cutting 5%, other hay 90%. Calves, lambs expected to weigh about the same as 1974. Livestock shipment progressing normally most areas. Ranges dry, fire hazard high.

Heating Degree Days (Base 65° F.)

August 1975

ALA. Birmingham	0	MAINE, Caribou	92	OKLA. Okla. City	0
Mobile	0	Portland	59	Tulsa	0
Montgomery	0	MD. Baltimore	0	OREG. Astoria	155
ALASKA, Anchorage	---	MASS. Boston	8	Burns U.	107
Barrow	---	Chatham	15	Medford	129
Fairbanks	270	MICH. Alpena	72	Pendleton	12
Juneau	337	Detroit	0	Portland	41
Nome	---	Flint	2	Salem	84
ARIZ. Flagstaff	66	Grand Rapids	5	PA. Allentown	7
Phoenix	0	Houghton Lake	68	Erie	14
Tucson	0	Lansing	13	Harrisburg	0
Winslow	0	Marquette U.	45	Philadelphia	0
Yuma	0	S. Ste. Marie	70	Pittsburgh	0
ARK. Fort Smith	0	MINN. Duluth	129	Scranton	8
Little Rock	0	Internatl Falls	118	R.I. Providence	13
CALIF. Bakersfield	0	Minneapolis	7	S.C. Charleston	0
Eureka U.	209	Rochester	7	Columbia	0
Fresno	0	St. Cloud	29	Greenville	0
Los Angeles U.	0	MISS. Jackson	0	S.DAK. Aberdeen	6
Red Bluff	0	Meridian	0	Huron	3
Stockton	1	Vicksburg U.	---	Rapid City	16
San Diego	0	MO. Columbia	0	Sioux Falls	5
San Francisco	75	Kansas City	0	TENN. Chattanooga	0
COLO. Denver	4	St. Louis	0	Knoxville	0
Grand Junction	0	Springfield	0	Memphis	0
Pueblo	0	MONT. Billings	31	Nashville	0
CONN. Bridgeport	0	Glasgow	68	TEX. Abilene	0
Hartford	11	Great Falls	60	Amarillo	0
D.C. Washington	0	Havre	49	Austin	0
FLA. Apalachicola	0	Helena	119	Beaumont	0
Ft. Myers	0	Kalispell	133	Brownsville	0
Jacksonville	0	Miles City	18	Corpus Christi	0
Key West	0	Missoula	128	Dallas	---
Lakeland U.	0	NEBR. Grand Island	0	Del Rio	0
Miami	0	Lincoln	0	El Paso	0
Orlando	0	Norfolk	0	Fort Worth	0
Daytona Beach	0	North Platte	0	Galveston U.	0
Tallahassee	0	Omaha	0	Houston	0
Tampa	0	Valentine	5	Lubbock	0
GA. Atlanta	0	NEV. Ely	82	Midland	0
Augusta	0	Las Vegas	0	San Angelo	0
Macon	0	Reno	65	San Antonio	0
Savannah	0	Winnemucca	41	Victoria	0
IDAHO, Boise	21	N.H. Concord	78	Waco	0
Lewiston	17	N.J. Atlantic City	2	Wichita Falls	0
Pocatello	40	Trenton U.	4	UTAH, Blanding R	0
ILL. Cairo U.	0	N.MEX. Albuquerque	0	Salt Lake City	1
Chicago	2	Roswell	0	VT. Burlington	45
Moline	0	N.Y. Albany	19	VA. Lynchburg	0
Peoria	1	Binghamton	39	Norfolk	0
Rockford	0	Buffalo	15	Richmond	0
Springfield	0	New York	4	Roanoke	0
IND. Evansville	0	Rochester	14	WASH. Colville	---
Fort Wayne	4	Syracuse	33	Omak	57
Indianapolis	0	N.C. Asheville	0	Quillayute	230
South Bend	1	Charlotte	0	Seattle-Tacoma	73
IOWA, Burlington	0	Greensboro	0	Spokane	75
Des Moines	0	Hatteras R.	0	Walla Walla U.	16
Dubuque	0	Raleigh	0	Yakima	37
Sioux City	0	Wilmington	0	W. VA. Beckley	2
KANS. Concordia	0	N. DAK. Bismarck	39	Charleston	0
Dodge City	0	Fargo	22	Huntington	0
Goodland	4	Williston U.	60	Parkersburg U.	3
Topeka	0	OHIO, Akron-Canton	1	WIS. Green Bay	27
Wichita	0	Cincinnati U.	0	Madison	11
KY. Lexington	0	Cleveland	4	Milwaukee	4
Louisville	0	Columbus	0	WYO. Casper	18
LA. Baton Rouge	0	Dayton	0	Cheyenne	39
Lake Charles	0	Toledo	6	Lander	38
New Orleans	0	Youngstown	8	Sheridan	43
Shreveport	0				

Preliminary reports from airport locations, except those marked U for urban and R for rural.
*Estimated.



AUGUST WEATHER SUMMARY

HIGHLIGHTS: August rainfall across the Nation ranged from little or no precipitation at several Western State stations to 11.69 in. at Baton Rouge, La. Rainfall in most areas east of a line from eastern South Dakota to Louisiana was well above normal, except in the southern Atlantic Coast States. West Texas, the Pacific Northwest, and California also measured well above normal rainfall, although California totals were very small. Much of the long-awaited moisture in the North Atlantic States, particularly in Minnesota, Iowa, and Missouri, came too late to prevent serious moisture stress to row crops, which are ahead of last year and normal.

Temperatures generally averaged above normal from the Plains eastward and in the Western States.

August began by bringing unwanted rain to the Deep South, much needed rain to some North Central States, and record heat and stagnant polluted air to the East. In the last few days of July and first few days of August over 10.00 in. of rain fell along the Gulf Coast. Temperatures over 100° were common throughout New England. Boston experienced its warmest night in over 100 years with an early morning low of 83° on the 2d.

During the week ending the 10th, temperatures averaged below normal in the East, finally breaking the extreme heat. The Corn Belt was also cooler than normal. Only the Southwest, central Great Plains, and western Corn Belt reported above normal temperatures. However, little precipitation fell in most areas. The only significant

rainfall spread from the Gulf States northeastward to New England ahead of the cold front that broke the heat wave.

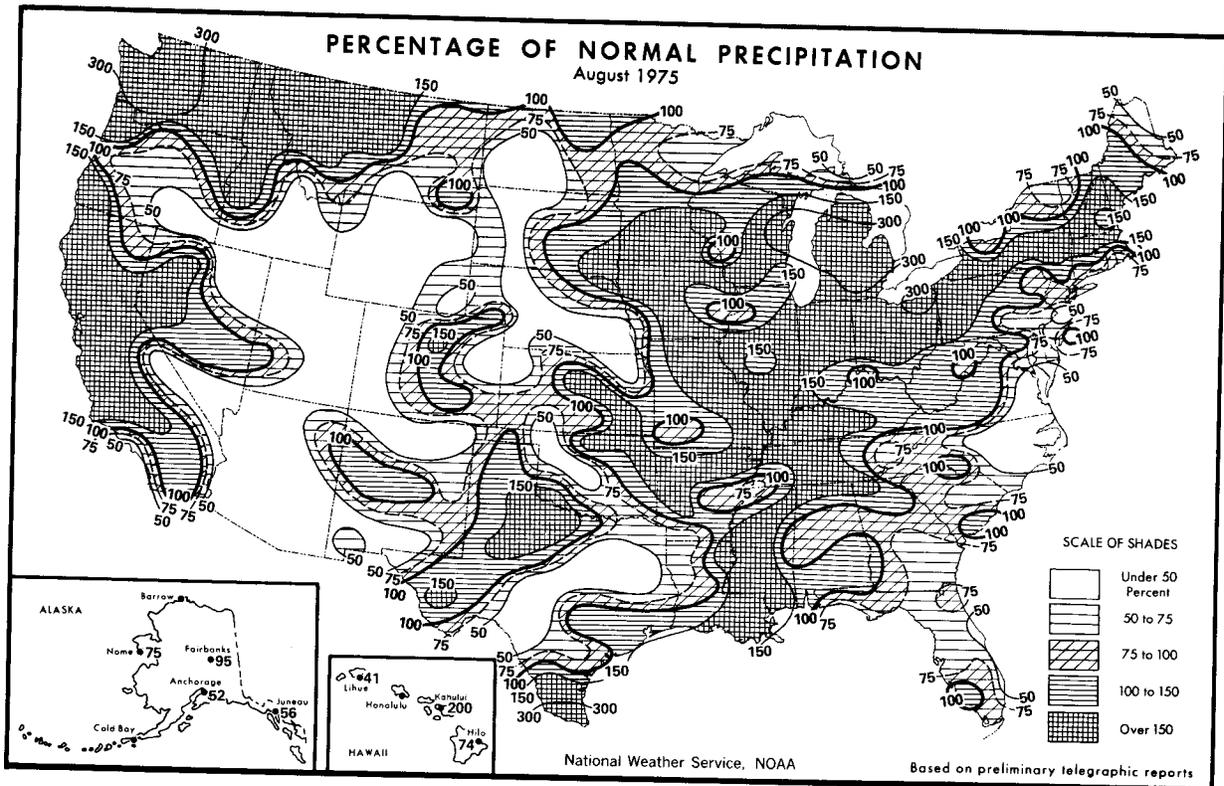
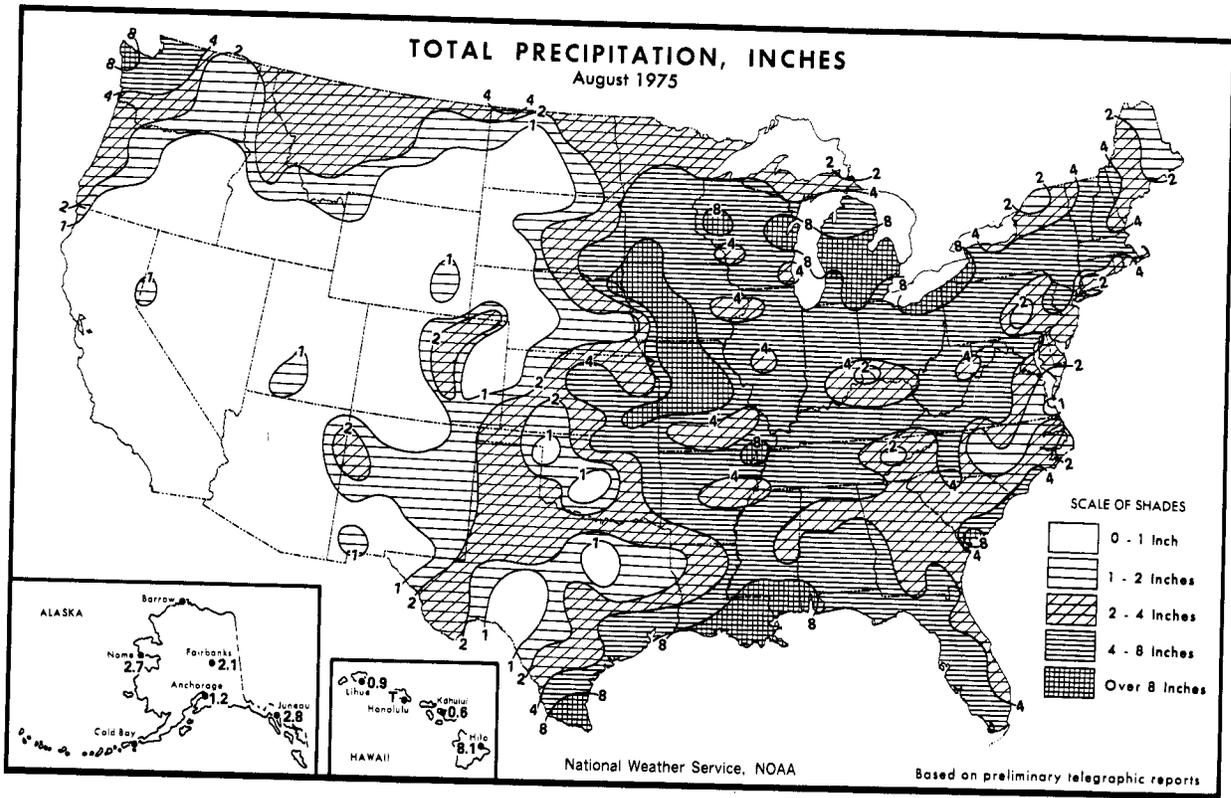
The best rainfall in many weeks favored the Corn Belt during the 13-17th, when over 2.00 in. fell in parts of Missouri, Iowa, and Illinois. Rains aided development of row crops, but moisture shortages continued to cause stress, particularly in the North Central States. Heavy rains also fell in parts of Oklahoma, Arkansas, and the Appalachians.

Above normal temperatures returned to the eastern half of the Nation, but readings were below normal in the West, except the Pacific Northwest.

Above normal temperatures, plus heavy rains in the northern Corn Belt States, continued to push crop development during the 19-24th. Dry conditions, though, persisted in the central Great Plains. The Pacific Northwest received unusually heavy precipitation for this time of the year, when two frontal systems passed through the area, causing some harvesting problems.

Unseasonably cool temperatures along the Canadian border and in the Western States contrasted the hot, humid conditions in the mid Atlantic Coast States.

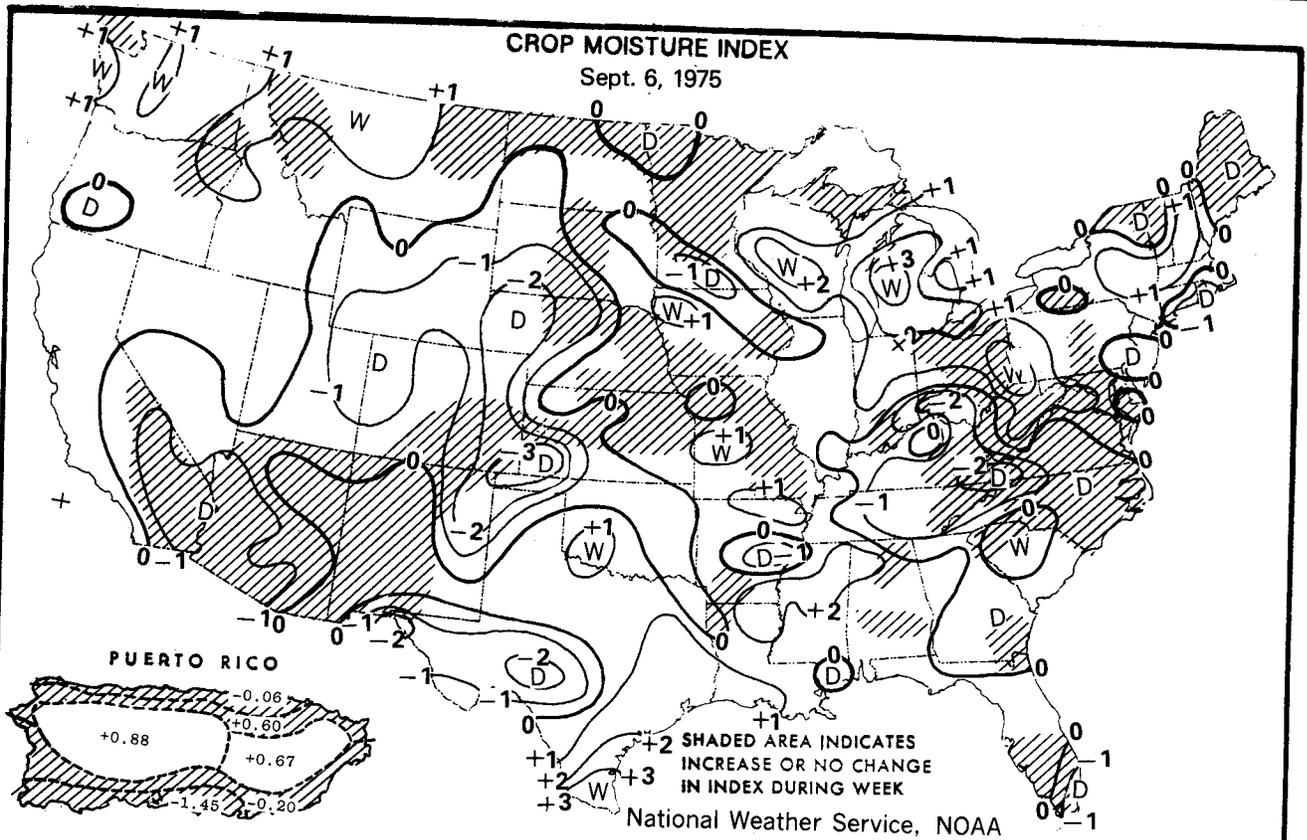
Cooler temperatures descended on the Nation's mid-section, in the final week of August. Heavy rains accompanied the cooler air and relieved many dry areas but caused problems for a few wet areas. Heavy rains, cooler temperatures and sometimes damaging winds were associated with the two frontal systems.



Temperature and Precipitation Data for August 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 . . .	79	0	3.3	-1.0	La. Baton Rouge . . .	81	-1	11.7	+7.0	Youngstown . . .	71	+2	6.1	+2.9
Mobile . . .	82	0	8.5	+1.6	Lake Charles . . .	81	-1	5.2	+ .4	OKLA. Okla. City . . .	80	-1	3.6	-2.0
Montgomery . . .	82	+1	4.2	+ .7	New Orleans . . .	81	-1	10.1	+4.8	Tulsa . . .	80	-1	3.5	+ .5
ALASKA. Anchorage . . .	57	+1	1.2	-1.1	Shreveport . . .	81	-2	1.7	-1.0	OREG. Astoria . . .	80	-1	2.8	+1.3
Barrow . . .	56	+1	2.1	- .1	MAINE. Caribou . . .	65	+3	1.4	-2.4	Burns . . .	64	-2	.2	- .2
Fairbanks . . .	54	0	2.8	-2.2	Portland . . .	67	+1	3.9	+1.3	Medford . . .	68	-2	.5	+ .2
Juneau . . .	54	0	2.8	-2.2	MD. Baltimore . . .	78	+3	4.2	0	Pendleton . . .	70	-2	.7	+ .4
Kodiak . . .	49	0	2.7	- .9	MASS. Boston . . .	73	+2	5.5	+2.0	Portland . . .	65	-2	2.1	+1.3
Nome . . .	64	0	.7	-2.0	Chatham . . .	68	-2	4.2	- .1	Salem . . .	63	-3	2.0	+1.4
ARIZ. Flagstaff . . .	92	+3	T	-1.2	MICH. Alpena . . .	66	+2	5.8	+3.1	PA. Allentown . . .	73	+1	4.2	0
Phoenix . . .	86	+2	.3	-2.0	Detroit . . .	72	+1	7.8	+4.5	Erie . . .	69	+1	8.9	+5.5
Tucson . . .	92	+3	0	- .9	Flint . . .	70	+2	11.0	+7.7	Harrisburg . . .	76	+2	1.8	-1.4
Winslow . . .	76	0	.6	- .9	Grand Rapids . . .	70	0	5.4	+2.9	Philadelphia . . .	77	+2	2.2	-1.9
Yuma . . .	92	-1	T	- .4	Houghton Lake . . .	65	0	7.2	+4.8	Pittsburgh . . .	73	+3	7.6	+4.4
ARK. Fort Smith . . .	79	-2	4.9	+2.0	Lansing . . .	70	0	9.8	+7.0	Scranton . . .	71	+1	2.8	-1.0
Little Rock . . .	80	-1	2.7	- .3	Marquette . . .	67	+1	3.0	0	R.I. Providence . . .	71	+1	2.2	-1.7
CALIF. Bakersfield . . .	83	+1	.1	+ .1	Muskegon . . .	70	+1	9.9	+7.3	S.C. Charleston . . .	82	+2	7.2	+ .8
Eureka . . .	55	-2	.6	+ .3	S. Ste. Marie . . .	64	+1	1.3	-1.8	Columbia . . .	81	+1	3.2	-2.4
Fresno . . .	76	-2	.1	+ .1	MINN. Duluth . . .	62	-2	2.5	-1.3	Greenville . . .	79	+1	3.2	- .9
Los Angeles . . .	71	-3	0	0	Internatl Falls . . .	62	-1	3.3	- .1	S.D. Aberdeen . . .	72	+1	1.5	- .6
Red Bluff . . .	68	-2	.5	+ .3	Minneapolis . . .	72	+3	4.9	+1.8	Huron . . .	74	+2	2.5	+ .5
San Diego . . .	79	-2	T	- .1	Rochester . . .	71	+2	6.0	+2.4	Rapid City . . .	70	-2	.9	- .6
San Francisco . . .	63	0	.2	+ .2	St. Cloud . . .	68	0	4.8	+ .9	Sioux Falls . . .	73	+1	9.1	+6.3
Stockton . . .	75	0	.8	+ .8	MISS. Jackson . . .	81	0	6.2	+2.6	TENN. Chattanooga . . .	77	-1	7.5	+4.3
COLO. Denver . . .	71	-1	2.0	+ .7	Meridian . . .	81	0	3.8	- .1	Knoxville . . .	79	+2	1.6	-1.4
Grand Junction . . .	75	0	.1	-1.0	MO. Columbia . . .	76	0	8.2	+4.4	Memphis . . .	81	+1	2.0	-1.3
Pueblo . . .	75	0	2.2	+ .2	Kansas City . . .	81	+4	4.9	+1.1	Nashville . . .	79	0	4.7	+1.5
CONN. Bridgeport . . .	72	+1	1.9	-1.9	St. Louis . . .	78	+1	5.4	+2.5	TEX. Abilene . . .	81	-3	2.5	+ .4
Hartford . . .	72	+2	4.6	+ .7	Springfield . . .	77	0	2.6	- .3	Amarillo . . .	77	-1	4.0	+1.1
D.C. Washington . . .	80	+3	3.5	-1.2	MONT. Billings . . .	68	-2	4.4	- .6	Austin . . .	83	-2	2.5	+ .3
FLA. Apalachicola . . .	81	-1	4.8	-3.3	Glasgow . . .	65	-4	1.4	- .1	Beaumont . . .	81	-2	6.9	+1.2
Daytona Beach . . .	80	-1	3.2	-3.6	Great Falls . . .	65	-2	2.1	+1.0	Brownsville . . .	82	-2	9.6	+6.9
Ft. Myers . . .	84	+1	7.7	0	Havre . . .	65	-3	3.1	+2.1	Corpus Christi . . .	83	-2	4.8	+1.6
Jacksonville . . .	81	0	6.2	-1.7	Helena . . .	61	-5	2.5	+1.5	Del Rio . . .	83	3	.3	- .9
Key West . . .	85	0	4.2	- .3	Kalispell . . .	62	-1	2.8	+1.5	El Paso . . .	81	0	.5	- .6
Lakeland . . .	84	+2	4.2	-3.0	Miles City . . .	70	-3	.7	- .5	Fort Worth . . .	85	0	.3	-2.0
Miami . . .	83	0	5.2	-1.5	Missoula . . .	62	-3	2.0	+1.1	Galveston . . .	84	+1	6.6	+2.2
Orlando . . .	82	0	4.8	-1.9	NEBR. Grand Island . . .	77	+2	1.2	-1.3	Houston . . .	81	-2	5.7	+1.3
Tallahassee . . .	81	0	6.8	- .1	Lincoln . . .	80	+4	1.4	-1.9	Lubbock . . .	78	0	2.2	+ .3
Tampa . . .	84	+2	4.2	-3.8	Norfolk . . .	76	+2	2.7	0	Midland . . .	79	3	1.7	+ .2
W. Palm Beach . . .	81	-1	2.5	-4.4	Omaha . . .	80	+6	1.8	-2.2	San Angelo . . .	81	4	.4	-1.0
GA. Atlanta . . .	78	0	3.3	- .2	Valentine . . .	73	0	1.8	- .6	San Antonio . . .	82	-3	1.3	-1.1
Augusta . . .	81	+1	3.5	- .7	NEV. Ely . . .	64	-2	.5	- .1	Victoria . . .	84	1	2.4	- .8
Macon . . .	80	-1	2.2	-1.5	Las Vegas . . .	88	+1	.1	- .4	Waco . . .	85	1	.7	-1.1
Savannah . . .	82	+1	3.1	-3.4	Reno . . .	65	-2	1.0	+ .8	Wichita Falls . . .	83	3	3.5	+1.7
HAWAII. Hilo . . .	76	0	8.1	-2.8	Winnemucca . . .	67	-1	.8	+ .5	UTAH. Blanding . . .	70	1	.4	-1.2
Honolulu . . .	80	-1	T	- .8	N.H. Concord . . .	67	0	3.9	+1.0	Salt Lake City . . .	73	2	1.1	- .8
Kahului . . .	77	-2	.6	+ .3	N.J. Atlantic City . . .	74	+1	5.0	+ .1	VT. Burlington . . .	69	+2	2.5	-1.2
Lihue . . .	78	-1	.9	-1.3	Trenton . . .	75	+1	1.5	-2.7	VA. Lynchburg . . .	77	+3	4.7	+ .6
IDAHO. Boise . . .	70	-2	.5	+ .2	N.MEX. Albuquerque . . .	76	-1	1.4	+ .1	Richmond . . .	80	+3	.7	-5.2
Lewiston . . .	70	-2	1.1	+ .5	Roswell . . .	78	0	1.3	- .2	Roanoke . . .	79	+3	2.3	-2.8
Pocatello . . .	67	-3	T	0.6	N.Y. Albany . . .	70	0	6.0	+3.1	WASH. Colville . . .	77	+3	5.7	+1.5
ILL. Cairo . . .	79	0	7.3	+3.8	Binghamton . . .	67	0	5.2	+1.6	Omak . . .	65	-3	1.6	+1.0
Chicago . . .	76	+2	5.5	+2.4	Buffalo . . .	70	+2	8.5	+5.0	Quillayute . . .	57	-2	10.1	+7.3
Moline . . .	75	+2	3.2	- .2	New York . . .	74	-1	3.6	- .9	Seattle-Tacoma . . .	63	-1	5.0	+3.9
Peoria . . .	75	+1	5.6	+2.5	Rochester . . .	70	+1	2.3	- .7	Spokane . . .	64	-4	.9	+ .3
Rockford . . .	73	+1	4.1	+ .4	Syracuse . . .	68	-2	5.4	+1.9	Walla Walla . . .	70	-4	1.2	+ .7
Springfield . . .	77	+3	3.3	+ .6	N.C. Asheville . . .	73	0	3.6	- .9	Yakima . . .	66	3	2.1	+1.8
IND. Evansville . . .	77	+1	5.5	+2.5	Charlotte . . .	79	+1	4.5	+ .5	W. Va. Beckley . . .	72	+3	4.2	+ .4
Ft. Wayne . . .	73	+2	7.7	+4.8	Greensboro . . .	80	+4	1.5	-2.8	Charleston . . .	77	+3	5.1	+1.4
Indianapolis . . .	76	+3	4.7	+1.9	Hatteras . . .	80	+2	1.9	-4.9	Huntington . . .	78	+4	4.0	+ .7
South Bend . . .	74	+3	5.6	+3.4	Raleigh . . .	78	+1	2.1	-2.8	Parkersburg . . .	76	+2	4.4	+1.1
IOWA. Burlington . . .	75	+1	6.8	+3.4	Wilmington . . .	82	+2	4.5	-2.3	WIS. Green Bay . . .	68	0	9.0	+6.4
Des Moines . . .	77	+4	9.7	+6.4	N. DAK. Bismarck . . .	67	-2	.6	-1.4	La Crosse . . .	72	+1	2.8	- .2
Dubuque . . .	71	+1	7.4	+3.4	Fargo . . .	68	-1	2.9	0	Madison . . .	71	+2	5.3	+2.2
Sioux City . . .	75	+1	4.6	+1.6	Williston . . .	65	-4	1.5	- .1	Milwaukee . . .	71	+2	3.9	+1.2
KANS. Concordia . . .	80	+3	2.8	- .4	OHIO. Akron-Canton . . .	77	+3	7.5	+4.7	WYO. Casper . . .	68	-2	.1	- .5
Dodge City . . .	81	+3	1.3	-1.3	Cincinnati . . .	73	+3	2.0	- .6	Cheyenne . . .	66	-2	.4	-1.1
Goodland . . .	76	+2	.4	-1.7	Cleveland . . .	72	+2	9.0	+6.0	Lander . . .	67	-2	.1	- .3
Topeka . . .	79	+2	1.7	-2.5	Columbus . . .	77	+5	4.5	+1.6	Sheridan . . .	66	-3	.2	- .8
Wichita . . .	81	+1	2.8	- .3	Dayton . . .	75	+2	4.8	+2.2	P.R. San Juan . . .	83	+2	4.1	-2.9
KY. Lexington . . .	78	+3	4.0	+ .6	Toledo . . .	72	+1	5.5	+2.4					
Louisville . . .	79	+3	3.9	+ .9										

Based on 1941-70 Normals



The map above gives a general picture of how wet or dry the nation was last week. The lines show the crop-moisture situation according to an index computed from values of temperature and precipitation by areas. Previous weekly computations of soil moisture account for the effect of prior weather.

Shaded areas are those where precipitation increased, the index last week or where soils did not dry. Unshaded

areas dried last week. The centers of wet or dry areas are marked: W for wet; D for dry. Use the legend to interpret.

Local variations caused by isolated rain or by soil differences are not shown. Any interpretation must consider the type of agriculture and the stage of crop development.

UNSHADED AREAS: INDEX DECREASED

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

SHADED AREA: INDEX INCREASED OR DID NOT CHANGE

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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