

Weekly Weather & Crop Bulletin

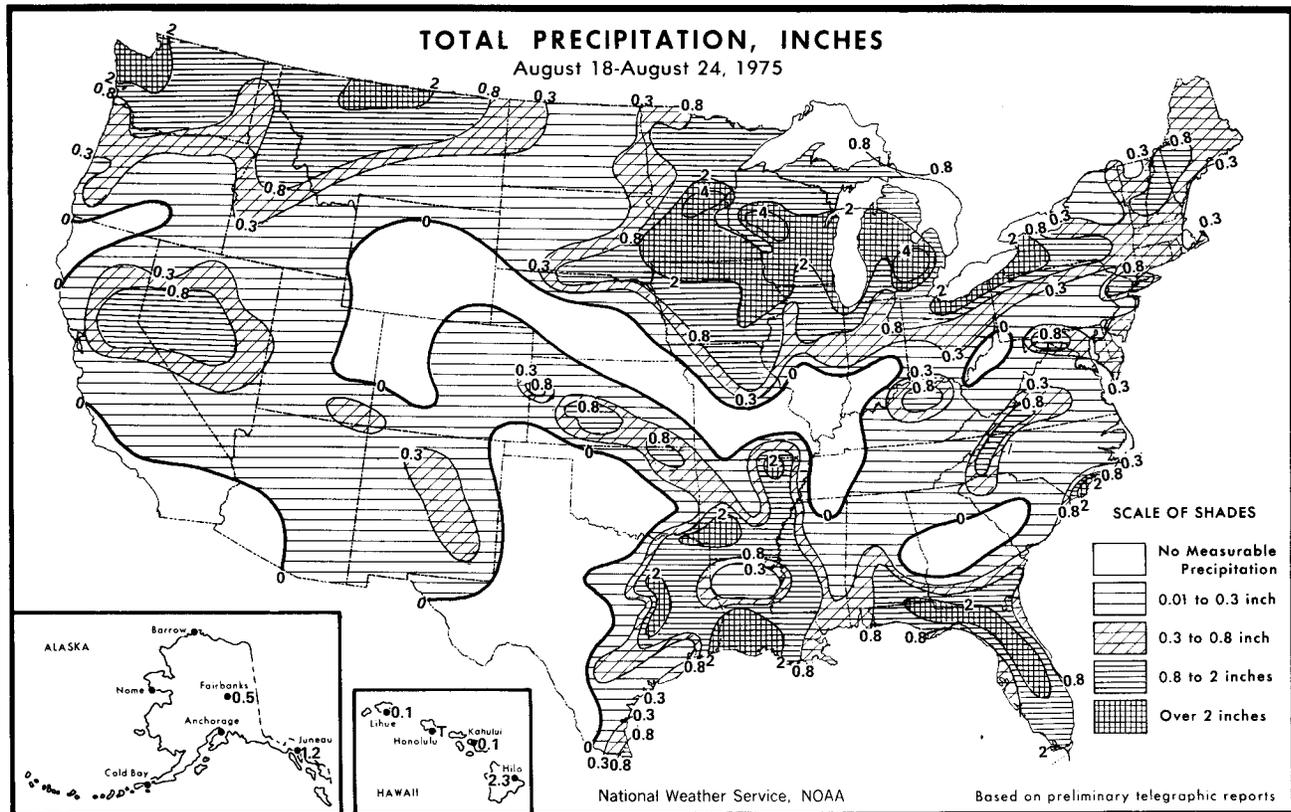
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NATIONAL WEATHER SUMMARY

For the Week of August 18-24

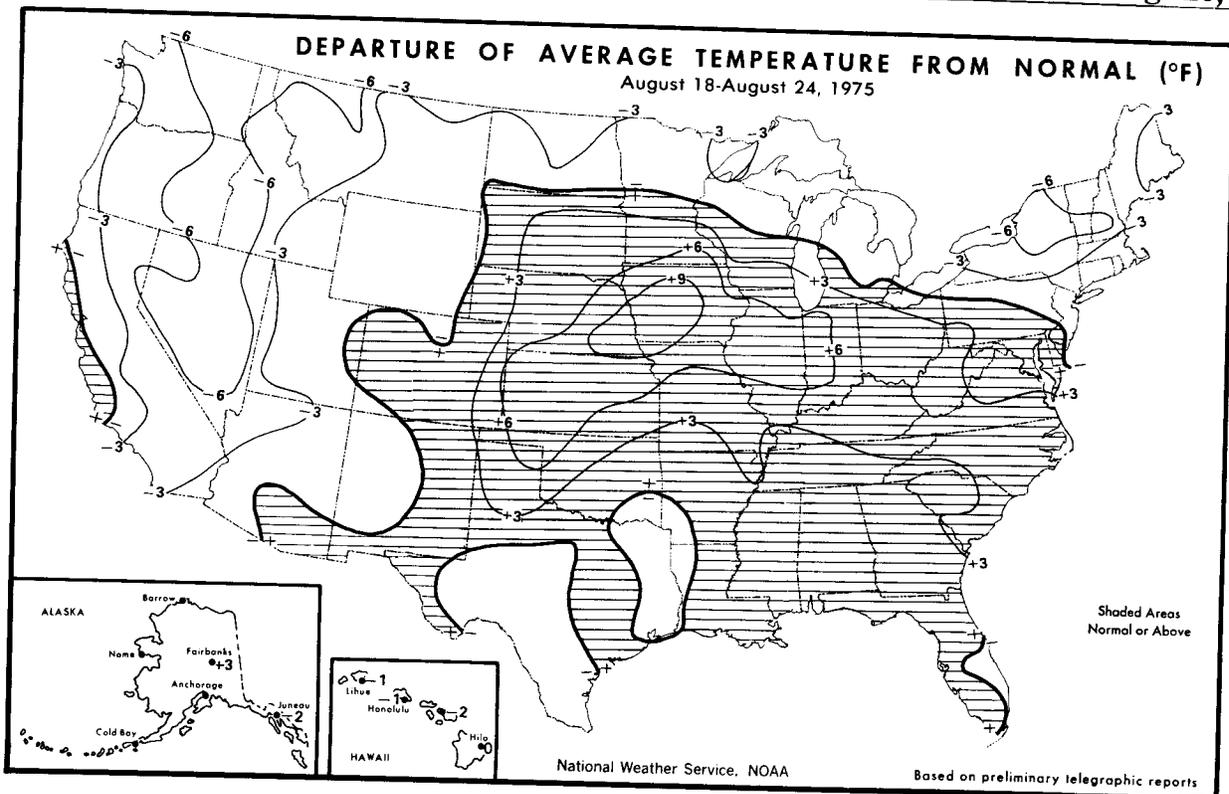
HIGHLIGHTS: Rains during the week made little progress in the hot, dry central Plains, where above normal temperatures persisted. Showers and thunderstorms focused on the Great Lakes and Mississippi Valley regions and stirred up some severe weather in parts of the Midwest. Unseasonably cool temperatures along the Canadian border and in the Pacific Northwest contrasted hot, humid conditions in the mid Atlantic Coast States.

PRECIPITATION: Frontal systems that turned up at the beginning of the week delivered rains across much of the Nation, particularly the western half. Moving inland from the Pacific on Monday, one front dumped unusually heavy rains from Washington to central California, and sprinkled showers on parts of Montana, Idaho, and Nevada. Another system took over from the Plains to the Atlantic Coast, carrying thundershowers to North Dakota,

eastern Colorado, and portions of Kansas and Nebraska. Meanwhile, scattered activity occurred throughout the middle and lower Mississippi Valley and the Southeast. To the West, fair skies held on from the southern Plateau into the southern Plains and from the upper Mississippi Valley to the north Atlantic Coast.

On Tuesday scattered thundershowers ranged east from the Mississippi Valley and west into the Dakotas. Heavy rains sparked local floods in northwest Iowa, southwest Kansas, and southwest Arkansas, but diminished later in the day.

Limited precipitation was measured around the Country on Wednesday. Some thundershowers rumbled across the upper Mississippi Valley into the northern Great Lakes region; others were scattered along the Gulf Coast--from Florida to Louisiana--and through southern portions of the Plateau and Rockies. Responsible for much of the moisture



total, heavy storms brought flooding and high winds to Nevada, where damage was extensive.

Afternoon showers appeared over most of the Nation on Thursday. Thundershowers throughout the upper Mississippi Valley and Great Lakes region intensified, focusing mainly on Wisconsin and Michigan.

Except for isolated spots, rains slackened near the end of the week. Severe weather and heavy rains settled down in the Midwest; thundershowers hushed and grew more scattered. Across north-central and Northeast U.S., however, rains continued. Friday evening storms covered much of the eastern half of the Nation, mainly the Great Lakes States, Ohio Valley, and Gulf Coast. Other activity dispersed throughout the northern and central Plains and lower half of the Rockies. Substantial rains fell in northern Iowa and northern Illinois. Most areas of the central Plains, however, where cropland ached for moisture, received none.

Saturday's showers and thunderstorms spread throughout the southeastern third of the Nation. Rains diminished further in the Midwest, but persisted in scattered areas from the upper Mississippi Valley to the Great Lakes. Heavy rains in west central Wisconsin caused widespread flooding of roads in low areas.

Thundershowers in the Midwest weakened rapidly on Sunday morning, but returned in the afternoon to the Great Lakes area and the upper Mississippi Valley, where some severe weather erupted. In Minnesota storms kicked up a tornado that damaged trailers and injured one person. Unseasonably cool air brought scattered showers to western Montana and northern Idaho. Nearby the northern Rockies attracted much attention with the first snow of the season.

Over the weekend the hot, humid southern Atlan-

tic Coast envied its northern neighbor, where temperatures in the 70's and low humidity made it the place to be.

Closing the week a cold front pushed into north-central U.S. on Sunday. Midday temperatures in Montana leveled off in the 40's and 50's. In contrast, temperatures in the 100's baked the central Plains.

TEMPERATURE: The week began on a chilly note as cold air pushing down between the upper Great Lakes and northern Rockies kept some temperatures unseasonably cool. Monday morning turned up readings in the mid-40's and 50's in parts of the Dakotas and Minnesota. Coldest was Roseau, Minn., 30°. Later in the day the front across the Midwest pushed the mercury into the 90's in the central Plains, but held it down along the Canadian border--in the 50's and 60's.

At midweek a high pressure system cooled the Northeast, where morning temperatures stayed in the 40's and 50's, and in a few spots, 30's. During the day, however, temperatures in many areas grew more seasonable: 90's in most of the Southwest and southern and central Plains; a few 50's in the mountains; 60's along the northern border; and 70's across a front in the Northeast.

Soon, however, hot temperatures and high humidity moved across the central part of the Nation and settled over the Plains and Mississippi Valley. Southern Iowa issued a livestock safety alert on Wednesday. Sultry conditions blanketed areas from the southern Atlantic Coast into the central and southern Plains, where temperatures scored in the 90's.

On Thursday cool temperatures dominated northern parts of the Nation. In the Great Lakes area, temperatures ran in the 60's, and in parts of Maine and along the Pacific Coast, in the 50's.

NATIONAL AGRICULTURAL SUMMARY

For the Week of August 18-24

HIGHLIGHTS: Shower activity slowed small grain harvest in most Northern States. Additional rainfall and above normal temperatures over much of the important corn and soybean area of the North Central States continued to push development and maturity. Seeding of the 1976 winter wheat crop was underway in several States.

SMALL GRAINS: Showers delayed the small grain harvest in many areas across the northern tier of States.

Winter wheat combining was slowed in several States during the week; as of August 24th, 94% of the crop was harvested, last year harvest was wrapped up in all States except Montana and Idaho.

Spring wheat harvesting was 45% complete on August 24th, much behind last year and normal in the major producing States. Combining was 35% finished in North Dakota, 15% in Idaho, and 10% in Montana. Normally, harvest in these States is approaching the halfway mark.

Oat harvesting was 50% done in North Dakota, 85% in Wisconsin, 90% in Michigan, and 91% in Minnesota.

Preparing of fields for seeding this fall's winter wheat was slowed by adverse weather in several States. Seeding of the 1976 winter wheat crop started in Colorado, Minnesota, New Mexico, Oklahoma, South Dakota, Texas and Wyoming.

CORN: Beneficial rains over much of the Corn Belt provided badly seeded moisture to the 1975 corn crop, while above normal temperatures continued to push development.

In the North Central States, corn development progressed favorably, much ahead of 1974 and the usual level in nearly all States. Corn continued in good to excellent condition in Illinois, where 75% of the crop has dented and 27% was mature and safe from frost. Last year only 22% was dented and 3% safe from frost. Iowa corn was 46% dented versus 24% in 1974 and 34% average; 45% of Indiana's crop was dented or beyond, while 59% in Ohio had reached this stage.

Late corn in Kentucky continued to improve, but development remained slightly behind the 1974 level. In Tennessee, 13% of the corn crop was mature, ahead of both 1974 and average progress.

COTTON: Cotton remained in fair to good condition in nearly all major producing areas, except Texas where the crop continues in excellent condition. Above normal infestations of insects are present in many areas, but control measures were increased where needed and have already become effective in most States.

Defoliation was underway in the Texas Blacklands and south central area. Harvest of early fields was underway in the High and Low Plains. Rains delayed harvest in some southern areas and statewide only 6% of the crop was harvested versus 14% in 1974. Boll opening started in Louisiana, continued in Arkansas, and was 11% complete in South Carolina.

Cotton was in generally good condition in California but some insect damage was occurring.

SOYBEANS: Rain and above normal temperatures throughout most of the northern soybean growing area aided development and promoted prospects for this year's crop.

In the North Central States, added moisture will aid pod filling and in many areas favor a better pod set. In Illinois, 30% of the crop had leaves turning yellow versus only 2% in 1974 and 4% normal. Less than 10% of the soybeans in Iowa had leaves turning yellow against 5% in 1974. Elsewhere in the Region, 15% of crop had leaves turning in Minnesota and 5% in Ohio.

Soybeans in most Southern States are in good to excellent condition. The Mississippi crop had 58% of the pods set; Kentucky 70% and Alabama 75%.

OTHER CROPS: Texas sorghum grain harvesting was 53% complete versus 51% in 1974 and 45% average. Kansas sorghum was 75% headed and 20% turning color. In Nebraska, 45% was turning. Harvest started in Oklahoma where 10% of the crop was mature.

Flue-cured tobacco harvesting was in the final stages in Georgia, 94% finished in South Carolina, and 67% in North Carolina. Topping and spraying work were underway in Kentucky where 4% of the Burley had been cut. Topping was also active in Ohio and Wisconsin.

Peanut harvesting began in Georgia; was 8% finished in Texas; and 36% done in Mississippi.

Potato harvest was underway in Aroostook County, Maine. In Idaho, 10% of the vines were dying, while in Michigan and Minnesota, 30% of the crop had been dug.

FRUITS AND NUTS: Apple harvesting was increasing in Indiana, Maryland, Michigan, New Jersey, North Carolina, Virginia, and Wisconsin.

The peach harvest continues to move northward and was progressing well in the North Atlantic States.

Grapes in the Napa Valley of California had serious sunburn damage as did Tokays in the Lodi area. Rain damaged the Clingstone peach crop.

VEGETABLES: New York cabbage and snap beans were in good condition. Harvesting in Maryland was active for cantaloups, snap beans, and processing tomatoes. Previous dry conditions in Wisconsin reduced sweet corn and other non-irrigated vegetables. Fall land preparations and planting were active in Florida and southern Texas.

PASTURES AND LIVESTOCK: Pastures in several North Central States were the driest of recent years, then much needed rain fell in many areas and should promote new growth for fall grazing. Ranges and pastures continue to provide generally adequate forage throughout most of the Nation and very little supplemental feeding has been required.

Temperature and Precipitation Data for the Week Ending Midnight, L.st., Aug. 24, 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 . . .	80	+ 1	.2	-.7	La. Baton Rouge . . .	83	+ 2	1.2	+ .2	Youngstown . . .	71	+ 2	.6	-.1
Mobile . . .	83	+ 2	.7	-.8	Lake Charles . . .	82	0	2.2	+1.2	OKLA. Okla. City . . .	82	+ 1	.0	-.6
Montgomery . . .	83	+ 2	0	-.7	New Orleans . . .	82	0	.4	-.7	Tulsa . . .	83	+ 2	.5	-.2
ALASKA. Anchorage . . .	---	---	---	---	Shreveport . . .	82	- 1	.1	-.5	OREG. Astoria . . .	59	- 1	.6	+ .2
Barrow . . .	---	---	---	---	MAINE. Caribou . . .	58	- 3	.4	-.4	Burns . . .	58	- 7	.1	0
Fairbanks . . .	57	+ 3	.5	0	Portland . . .	62	- 4	.3	-.3	Medford . . .	67	- 3	T	-.1
Juneau . . .	52	- 2	1.2	0	MD. Baltimore . . .	76	+ 2	0	-.9	Pendleton . . .	66	- 5	.4	+ .3
Kodiak . . .	---	---	---	---	MASS. Boston . . .	71	0	.3	-.5	Portland . . .	63	- 3	.9	+ .7
Nome . . .	---	---	---	---	Chatham . . .	68	---	1.4	---	Salem . . .	62	- 4	.4	+ .3
ARIZ. Flagstaff . . .	61	- 2	T	-.5	MICH. Alpena . . .	62	- 2	1.5	+ .9	PA. Allentown . . .	69	- 2	1.0	+ .1
Phoenix . . .	89	+ 1	T	-.3	Detroit . . .	70	0	1.1	+ .4	Erie . . .	66	- 1	2.2	+1.4
Tucson . . .	84	+ 1	T	-.3	Flint . . .	68	0	7.2	+6.4	Harrisburg . . .	75	+ 2	.1	-.6
Winslow . . .	74	- 1	T	-.4	Grand Rapids . . .	71	+ 2	1.9	+1.3	Philadelphia . . .	75	+ 1	.2	-.7
Yuma . . .	90	- 2	T	-.1	Houghton Lake . . .	62	- 2	2.0	+1.5	Pittsburgh . . .	74	+ 4	.1	-.6
ARK. Fort Smith . . .	81	0	.8	+ .1	Lansing . . .	68	- 1	4.6	+4.0	Scranton . . .	67	- 2	.3	-.4
Little Rock . . .	80	0	.2	-.5	Marquette . . .	64	- 1	1.2	+ .5	R.I. Providence . . .	68	- 2	.2	-.7
CALIF. Bakersfield . . .	81	0	.1	+ .1	Muskegon . . .	69	0	3.5	+2.9	S.C. Charleston . . .	83	+ 4	.3	-1.1
Eureka . . .	56	- 1	T	-.1	S. Ste. Marie . . .	61	- 2	.5	-.2	Columbia . . .	82	+ 2	0	-1.3
Fresno . . .	73	- 5	T	+ .1	MINN. Duluth . . .	60	- 3	.9	0	Greenville . . .	79	+ 2	.4	-.5
Los Angeles . . .	70	- 4	0	0	Internatl Falls . . .	60	- 2	.9	+ .1	S.D. Aberdeen . . .	73	+ 3	.2	-.3
Red Bluff . . .	76	- 3	.3	+ .2	Minneapolis . . .	73	+ 4	1.7	+1.0	Huron . . .	76	+ 5	.6	+ .1
San Diego . . .	69	- 3	T	0	Rochester . . .	74	+ 6	2.8	+2.0	Rapid City . . .	71	0	T	-.3
San Francisco . . .	63	0	.2	+ .2	St. Cloud . . .	68	0	4.1	+3.2	Sioux Falls . . .	76	+ 5	2.5	+1.8
Stockton . . .	74	- 1	.8	+ .8	MISS. Jackson . . .	82	+ 1	1.5	+ .7	TENN. Chattanooga . . .	77	- 1	T	-.6
COLO. Denver . . .	71	0	.3	0	Meridian . . .	82	+ 2	.2	-.6	Knoxville . . .	80	+ 3	T	-.7
Grand Junction . . .	75	+ 1	T	-.3	MO. Columbia . . .	80	+ 5	.9	+ .2	Memphis . . .	83	+ 3	T	-.7
Pueblo . . .	76	+ 2	T	-.4	Kansas City . . .	83	+ 6	0	-.9	Nashville . . .	79	+ 1	T	-.7
CONN. Bridgeport . . .	71	- 1	.4	-.4	St. Louis . . .	82	+ 5	0	-.6	TEX. Abilene . . .	83	0	T	-.4
Hartford . . .	68	- 2	.3	-.6	Springfield . . .	79	+ 2	T	-.7	Amarillo . . .	80	+ 3	0	-.6
D.C. Washington . . .	79	+ 2	.4	-.7	MONT. Billings . . .	68	- 1	T	-.3	Austin . . .	85	+ 1	T	-.5
FLA. Apalachicola . . .	82	+ 1	.4	-1.4	Glasgow . . .	65	- 3	.9	+ .5	Beaumont . . .	82	- 1	2.4	+1.1
Daytona Beach . . .	81	0	.2	-1.4	Great Falls . . .	59	- 7	1.5	+1.2	Brownsville . . .	84	0	.9	+ .2
Ft. Myers . . .	84	+ 1	.9	-.8	Havre . . .	65	- 2	2.6	+2.3	Corpus Christi . . .	84	- 1	.2	-.6
Jacksonville . . .	82	+ 1	.1	-1.7	Helena . . .	60	- 5	1.0	+ .8	Del Rio . . .	85	- 1	0	-.3
Key West . . .	84	- 1	2.1	+1.0	Kalispell . . .	58	- 4	1.6	+1.2	El Paso . . .	81	+ 1	.1	-.1
Lakeland . . .	81	- 1	2.0	+ .4	Miles City . . .	71	0	.1	-.2	Fort Worth . . .	85	0	T	-.6
Miami . . .	83	0	1.3	-.3	Missoula . . .	59	- 5	1.3	+1.1	Galveston . . .	85	+ 2	.6	-.5
Orlando . . .	83	+ 1	2.1	+ .6	NEBR. Grand Island . . .	83	+ 9	T	-.6	Houston . . .	81	- 2	T	-1.0
Tallahassee . . .	83	+ 2	3.2	+1.7	Lincoln . . .	85	+10	T	-.8	Lubbock . . .	81	+ 3	0	-.4
Tampa . . .	84	+ 2	.6	-1.2	Norfolk . . .	81	+ 8	T	-.6	Midland . . .	79	- 2	0	-.3
W. Palm Beach . . .	83	0	.8	-.8	N. Platte . . .	77	+ 5	T	-.4	San Angelo . . .	82	- 2	0	-.4
GA. Atlanta . . .	79	+ 2	0	-.8	Omaha . . .	85	+12	T	-.9	San Antonio . . .	83	- 2	.6	0
Augusta . . .	82	+ 3	T	-.9	Valentine . . .	76	+ 4	1.3	+ .8	Victoria . . .	85	+ 1	.3	-.4
Macon . . .	82	+ 1	0	-.8	NEV. Ely . . .	58	- 7	.5	+ .4	Waco . . .	87	+ 2	.1	-.4
Savannah . . .	83	+ 3	.4	-1.0	Las Vegas . . .	82	- 5	1.1	0	Wichita Falls . . .	85	0	0	-.4
HAWAII. Hilo . . .	76	0	2.3	-.1	Reno . . .	59	- 7	1.0	+ .9	UTAH. Blanding . . .	66	- 4	T	-.4
Honolulu . . .	80	- 1	T	-.1	Winnemucca . . .	62	- 5	.8	+ .7	Salt Lake City . . .	71	- 2	.1	-.1
Kahului . . .	77	- 2	.1	0	N.H. Concord . . .	59	- 7	.5	-.2	VT. Burlington . . .	62	- 5	.2	-.6
Lihue . . .	78	- 1	.1	-.4	N.J. Atlantic City . . .	71	- 2	.4	-.7	VA. Lynchburg . . .	77	+ 3	.6	-.3
IDAHO. Boise . . .	64	- 7	.4	+ .3	Trenton . . .	72	- 1	.2	-.7	Norfolk . . .	80	+ 4	.2	-1.1
Lewiston . . .	66	- 5	.8	+ .7	N.MEX. Albuquerque . . .	74	- 2	.3	0	Richmond . . .	79	+ 3	.2	-.9
Pocatello . . .	66	- 2	T	-.1	Roswell . . .	80	+ 2	.5	+ .2	Roanoke . . .	77	+ 3	1.5	+ .6
ILL. Cairo . . .	81	+ 2	0	-.8	N.Y. Albany . . .	64	- 5	.3	-.3	WASH. Colville . . .	---	---	---	---
Chicago . . .	78	+ 5	2.2	+1.5	Binghamton . . .	63	- 4	1.8	+1.0	Omak . . .	61	- 7	1.0	+ .9
Moline . . .	79	+ 7	.6	-.1	Buffalo . . .	64	- 4	2.2	+1.4	Quillayute . . .	55	- 4	3.6	+2.9
Peoria . . .	79	+ 6	1.3	+ .6	New York . . .	72	- 2	1.4	+ .4	Seattle-Tacoma . . .	60	- 3	2.3	+2.0
Rockford . . .	76	+ 5	.9	+ .1	Rochester . . .	65	- 4	.7	+ .1	Spokane . . .	60	- 7	.6	+ .5
Springfield . . .	82	+ 8	0	-.6	Syracuse . . .	63	- 6	.7	-.1	Walla Walla . . .	66	- 7	.8	+ .7
IND. Evansville . . .	80	+ 4	0	-.6	N.C. Asheville . . .	75	+ 3	.8	-.2	Yakima . . .	64	- 4	1.5	+1.4
Ft. Wayne . . .	76	+ 5	1.1	+ .5	Charlotte . . .	80	+ 3	T	-.9	W. Va. Beckley . . .	72	+ 4	.1	-.7
Indianapolis . . .	79	+ 6	0	-.6	Greensboro . . .	80	+ 4	T	-1.0	Charleston . . .	77	+ 4	T	-.8
South Bend . . .	77	+ 6	.7	0	Hatteras . . .	81	+ 4	T	-1.5	Huntington . . .	79	+ 6	T	-.7
IOWA. Burlington . . .	79	+ 6	.8	0	Raleigh . . .	79	+ 3	.1	-1.0	Parkersburg . . .	77	+ 4	0	-.7
Des Moines . . .	82	+ 9	1.8	+1.0	Wilmington . . .	83	+ 4	3.5	+2.0	WIS. Green Bay . . .	67	0	2.4	+1.8
Dubuque . . .	74	+ 4	3.4	+2.5	N. DAK. Bismarck . . .	65	- 3	.3	-.1	La Crosse . . .	73	+ 2	1.9	+1.2
Sioux City . . .	79	+ 6	1.2	+ .5	Fargo . . .	67	- 1	.7	+ .1	Madison . . .	73	+ 5	2.0	+1.3
KANS. Concordia . . .	84	+ 7	0	-.7	Williston . . .	67	- 1	.5	+ .1	Milwaukee . . .	72	+ 3	2.2	+1.6
Dodge City . . .	85	+ 8	.3	-.3	OHIO. Akron-Canton . . .	73	+ 3	.7	+ .1	WYO. Casper . . .	68	- 1	T	-.1
Goodland . . .	80	+ 7	T	-.5	Cincinnati . . .	78	+ 4	.2	-.3	Cheyenne . . .	67	0	.1	-.2
Topeka . . .	84	+ 7	0	-1.0	Cleveland . . .	72	+ 2	2.5	+1.8	Lander . . .	66	- 2	T	-.1
Wichita . . .	84	+ 5	.3	-.4	Columbus . . .	79	+ 8	.4	-.2	Sheridan . . .	67	- 1	T	-.2
KY. Lexington . . .	79	+ 4	1.1	+ .4	Dayton . . .	76	+ 4	.1	-.5	P.R. San Juan . . .	83	+ 2	.3	-1.3
Louisville . . .	81	+ 5	.7	+ .1	Toledo . . .	73	+ 3	1.8	+1.1					

Based on 1941-70 Normals

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

STATE SUMMARIES OF WEATHER AND AGRICULTURE

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

ALABAMA: Skies were mostly sunny with only widely scattered afternoon and evening thunder-showers. Most rainfall amounts were generally light. Temperatures were slightly above normal, warmest late week.

Good weather permitted 5 days suitable for field work, consisting primarily of spraying, cutting of hay and silage, and land preparation for fall crops. Corn in good to excellent condition, and rapidly maturing at 49%; 1974 50%. Harvesting began in southwest counties. Cotton condition fair to good, 94% setting bolls, 100% a year ago. Soybeans in good condition, 90% blooming, 75% setting pods; insect control active. Peanut condition good but many fields with serious problems of leaf spot and white mold. Pasture conditions remain good.

ALASKA: Temperatures mostly above normal, while rainfall was variable.

Generally cool weather slowed crop maturity throughout Railbelt. Potato harvest for storage expected to begin after September 1st, in anticipation of additional tuber growth. Grain maturity mostly in the dough stage with a few fields turning color. Grain harvest expected to begin after September 1st in much of the Railbelt. Harvest in Matanuska Valley has been limited to cutting wet barley for silage. Ground moisture supply generally adequate.

ARIZONA: Near normal rainfall northwest, northeast, very dry elsewhere. Temperatures near normal.

Cotton fair to good. Sorghum development good. Sugarbeets good growth. Safflower harvest nearing completion. Alfalfa hay seasonal progress. Lettuce planting Pima. Preparations for planting fall lettuce, Yuma County. Fall harvest cantaloups good progress southwest. Early sweet corn for local use Navajo County. White grapefruit marketed locally, Salt River Valley. Condition cattle good, ranges fair, water supplies short.

ARKANSAS: Temperatures continued near normal. Extremes: 95° at Camden and Brinkley to 62° at Gilbert. Precipitation widespread west two-thirds, but sparse east. Excess of 4.00 in. common southwest. Greatest amount 7.11 in. at Camden.

Soil moisture mostly adequate to surplus. Some shortages northwest. Crops mostly good condition. Nearly 5 days fieldwork. Cotton fair to good; bolls opening; bollworm and weevil infestations controlled by spraying. Rice good to excellent; combining of early varieties. Soybeans good to excellent; still podding; some disease where too wet. Corn silage being made. Good sorghum yields from early varieties. Pastures good condition.

CALIFORNIA: Scattered showers or thundershowers north on 17th and north and central on 18th through 21st, mainly mountain areas. Otherwise, fair with night and morning coastal low cloudiness. Weekly amounts generally less than 0.50 in. except 1.00 to 3.00 in. Sierra Nevada. Cooling inland areas by midweek and warming end of period. Averages near normal north and central coasts, slightly below other areas except 6 to 8° below Sierra Nevada.

Small grain harvest near complete; some rain damage to grain stored in fields. Rice normal progress. Cotton generally good; some insect damage. Sugarbeets continue, some mildew due to rains. Dry bean cutting underway, good prospects. Alfalfa continues, some rain damage, generally normal. Safflower harvesting, normal yields. Harvesting hops. Pear harvest underway, quality good. Prune picking started. McIntosh apples released for harvesting Watsonville. Serious sunburn damage Napa Valley grapes, some damage Lodi district Tokays. Growers sulphuring, prevent mold. Thompson seedless, Cardinal, Queen, Exotic, Red Malaga being picked. Walnut groves being irrigated, prepared for harvesting, sizes look good. New Navel orange crop sizing well. New desert citrus sets normal, show more than usual scarring. Valencias, lemon picks seasonal pace. Hass avocados being picked. Most notable damage last weeks rain to Clingstone peach crop, over 40% crop had been harvested by midweek, leaving 30% mature enough to be in danger of brown rot. Severity of rot varied by area. Some growers went to hand picking. Some loss due to drop, especially Halfords noted. Recent warm weather helping fruit hold. Broccoli, cauliflower, celery, honeydew supplies moderate, brussels sprouts beginning, cantaloup, carrots slowed from cool weather and poor market. Rain disrupted lettuce cutting. Potato digging slowed, fresh tomatoes delayed slightly due to rain. Watermelon continues. Livestock good condition. Cool weather, rains improved rangeland. Supplemental feeding light.

COLORADO: Temperatures 1 to 3° above normal lower elevations, below normal higher elevations. Extremes: 100° at La Junta, 29° at Gunnison. Precipitation occurred as widely scattered thundershowers. Rainfall average 0.10 to 0.20 in.

Corn height 82 in., silked 94%. Dry beans flowered 89%, 90% 1974. Sorghum headed 59%, 76%, 1974. Sugarbeets excellent condition. All other row crops good condition. Seeding of winter wheat underway southeast. Second cutting alfalfa 71% complete. Ranges and pasture fair to good except southeast poor. Livestock good condition. Soil moisture generally short.

FLORIDA: Partly cloudy skies, warm temperatures, afternoon and evening thundershowers. Temperatures near normal. Rainfall light to moderate, ranging 0.25 to near 5.00 in.

Soil moisture short south, surplus Panhandle. Crop condition variable, considerable damage heavy rains Panhandle. Corn harvest continues, yields good. Wet area soybeans shedding bottom leaves, good condition other areas. Grass, weeds becoming problem. Peanuts hit by white mold; harvest expected this week. Haying interrupted by frequent showers. Sugarcane good condition. Pastures providing very good grazing most areas. Cattle and calves good condition statewide. Citrus tree and fruit condition excellent, moisture adequate. New crop grapefruit being picked, Valencia harvest almost complete. Plantings active for most crops. Cabbage seedbeds progressing well. Germination good on early seedings of sweet corn, peppers and tomatoes. Transplants of eggplant, pepper and tomatoes progressing favorably. Light squash harvest Dade County.

Aug. 26, 1975

GEORGIA: Hot relatively dry weather throughout. Afternoon thundershowers isolated and confined mainly to extreme north and extreme south averaged 0.25 to 0.50 in., elsewhere little or no rain. Temperatures averaged 1° above normal. Continued hot over weekend with very isolated thundershowers.

Soil moisture short east except coastal, remainder short to adequate. Fieldwork heavy with 6 days suitable. Peanut harvest begun, condition good. Corn good, 5% harvested, mostly high moisture. Cotton fair to good, boll worms troublesome, control programs very active. Soybeans fair to mostly good, needs rain, some shedding. Tobacco harvest in final stages. Haying and silage harvest very active. Pecans mostly fair to good. Pastures fair to mostly good, but declining rapidly, needs rain. Cattle and hogs good. Apple harvest underway in midstate areas.

HAWAII: Weather favorable to crop growth. Rains beneficial in the Puna, Hilo and Kona areas of Hawaii. Light rains on dry Hamakua coast brought some temporary relief to pastures and the sugarcane crop. However, more rain needed. Most other crop areas dry. Heavy irrigation and frequent spraying necessary to maintain crop growth. Vegetable supplies adequate. Melon supplies light. Banana supplies moderate to heavy. Papaya harvesting light to moderate. Pineapple late crop active harvest. Sugar harvesting steady.

IDAHO: Temperatures below normal fourth consecutive week. Extremes: low 90's to 33°. Average temperatures 2 to 9° below normal. Showers common, precipitation below normal east and Magic Valley.

Showers, cool temperatures hampered harvesting activities, only east had favorable conditions. Sugarbeets and potatoes progressing smoothly. Winter wheat 35% harvested, 80% 1974; spring wheat 15% harvested, 50% 1974; barley and oats 30% and 20% harvested, 65% and 50% 1974; potatoes 10% vines dying, 15% 1974. Range grasses providing excellent forage. Livestock good condition.

ILLINOIS: Temperatures: Warm, 4 to 8° above normal; Warmest central. Precipitation varied north 0.50 to 3.50 in., 0 to 0.50 in. south.

Corn dented 75%, 22% 1974, average 35%; mature 27%, average 3%; condition 47% excellent, 50% good, 3% fair. Soybeans turning yellow 30%, 2% 1974, average 4%; condition 42% excellent, 55% good, 3% fair. Third crop alfalfa hay 46% cut, 37% 1974, average 34%; condition mostly good. Plowing 1976 winter wheat acreage 60%, 59% 1974, average 57%. Pasture mostly good to fair. Soil moisture 33% short, 67% adequate. Fieldwork: 5.5 days favorable.

INDIANA: Warm and humid. Temperatures averaged 6° above normal and ranged from 58 to 93°. Rainfall averaged 0.50 in. south third and northwest, 0.10 in. central and 0.13 in. northeast. Soil temperatures and growing degree days above normal. Fieldwork averaged 6 days. Topsoil and subsoil moisture mostly adequate. Corn 45% dented, 1974 15%, average 35%. Corn 10% not yet in dough. Soybeans 85% setting pods, 1974 65%, 1973 75%. Wheat land 35% plowed, 1974 30%, average 45%. Apples 25% picked. Pastures mostly fair.

IOWA: Temperatures averaged 6 to 12° above normal. Several new daily records set around the 100° mark. Most areas well above normal rainfall with 2.00 to 5.00 in. amounts across northern counties broke season long deficit for that area. Fairly general rains maintained crop conditions. Heavy rains, wind, hail damage noted in some corn.

Rootworm is a minor problem. Corn 82% in dough stage 63% 1974, 72% average; 46% dented, 24% 1974, 34% average; growing condition fair. Soybeans less than 10% leaves turning, 5% 1974, 6% average. Growing condition fair to good. Third cutting alfalfa 26% harvested and short. Second cutting Red Clover 77% harvested. Growing condition of hay crops and pasture poor to fair. Livestock in good shape but gains slowed. Topsoil moisture 59% short, 39% adequate, 2% surplus. Subsoil moisture 78% short, 22% adequate. Fieldwork averaged 5.4 days suitable.

KANSAS: Hot weather and spotty beneficial to locally heavy rains occurred. Southeast received most significant amounts, locally 2.00 to 4.00 in. A few counties in the area received little or no rain. Temperatures ranged from 82° southeast to 85° southwest, 4 to 9° above normal.

Row crops improved from previous rains, but many counties now have topsoil moisture shortages. Rains needed for optimum filling of row crops. Corn 50% dented, 50% 1974, 45% average; 15% mature, 15% 1974, 20% average. Sorghums good progress with 75% headed, 60% 1974, 70% average; 20% turning color, 10% 1974, 20% average. Soybeans 80% setting pods, 75% 1974 and average. Irrigators active. Small grain fields being prepared and fertilized for fall seeding. Third cutting alfalfa hay, 70% harvested, 65% 1974 and average. Pastures benefited from rains. Cattle movement seasonally light.

KENTUCKY: Warm and humid. Temperatures above normal with daily highs upper 80's to mid-90's. Lows, mid-60's to low 70's. Precipitation averaged 0.25 in.

Soil moisture adequate to short. Farm work centered around tobacco and hay crops, over 5 days favorable. Field activities: Topping and spraying tobacco, clipping pastures and haying. Burley 57% topped, darks 69%; week behind 1974's 76% and 86%. Cutting just underway with 4% of burley cut versus 13% year ago and 7% average. Little or no priming. Corn 81% in dough or dented stage, 82% 1974, 79% average. Late corn improved. Soybeans developing well, about 70% podding, slightly ahead 1974 and average, earliest crop since 1969. Pastures showing promise late grazing. Fall plowing underway.

LOUISIANA: Temperatures near normal. Extremes: 98 and 68°. Scattered thundershowers south, measurable rain 2 to 5 days. Spotty showers north, general thundershowers weekend. Greatest 1-day rainfall, 1.51 in., Hinston 20th and Bayou Sorrel 21st.

Soil moisture surplus southeast, adequate elsewhere. Fieldwork possible 4.5 days. Cultivating soybeans, insect control, harvesting rice and sweetpotatoes, planting sugarcane, and hay making main activities. Soybeans fair to good; pods developing; some late planted cultivated. Insect spraying increased; fungicides applied to control foliage damage. Cotton mostly fair; insect control continued; few bolls opening. Rice good; harvest 50% complete, 65% 1974, 39% average, yields good. Some storage facilities full. Late planted maturing northeast. Corn mostly good; harvest 20% complete. Sorghum fair to good; worm damage increased. Sugarcane growing rapidly; mostly good condition; borer infestation moderate. Began planting 1976 crop. Sweetpotatoes fair to good, 20% harvested, yields good, some rotting. Hay quality decreased. Pastures average. Cattle mostly good.

MARYLAND AND DELAWARE: Temperatures slightly above

normal. Highs ranged from low 80's to low 90's. Lows ranged from middle 50's to low 70's. Precipitation ranged from 0.14 to 2.92 in.

Corn 65% dough stage, 34% dent stage; 68%, 33% in 1974. Soybeans 70% bloomed, 54% podded; 82%, 41% 1974. Tobacco 33% harvested, much very late and of poor quality. Vegetable harvest active: Cantaloups completed, fall snap beans 80% harvested, processing tomatoes 70%. Delaware potato harvested peaked. Peach harvest peaked during week. Summer apple harvest active.

MICHIGAN: Temperatures 3° below to 6° above normal. Precipitation 1.00 to 7.00 in.

Corn 85% dough, 50% 1974; 30% dented, 5% 1974. Silo filling in southwest. Soybeans 85% setting pods, 83% 1974. Dry beans 95% setting pods. Pinto bean in harvest, navy just starting. Potato digging 30%, 25% 1974, 17% average. Oat harvest 90%, 84% 1974, 80% average. Second cutting hay 85%, 78% 1974, 76% normal. Pasture feed average. Peach harvest 40%; Red Havens peak southwest. Summer apples 70%, pears 10% harvested. Sweet corn two-thirds finished. Cucumbers ending. Soil moisture adequate. Fieldwork: 4.5 days favorable.

MINNESOTA: A wet week with first wide-spread significant rainfall since late June. Temperatures 2° below normal north to 4° above south. Extremes: 96 and 33°. Rainfall averaged 1.50 to 2.00 in., except for 0.75 in. upper northwest.

Rains beneficial to soybeans and limited help to moisture-stressed corn. Small grain harvest in northern counties slowed by damp weather but mostly completed elsewhere. Moisture reviving dormant pastures, facilitating fall plowing and winter wheat and rye seeding. Additional moisture needed for sugarbeet crop. Fall potato set average, but tuber size small in Red River Valley. Corn 75% dough stage and beyond, 1974 44%, average 53%. Soybeans 15% yellowing and beyond, 1974 10%, average 15%. Oat combining 91% complete, 1974 72%, average 78%. Barley harvest 86% complete, 1974 56%, average 76%. Flax 34% about same as 1974 and average. Sweet corn damaged by dryness, processing 35% complete. Winter wheat 12% and rye 7% seeded. Soil moisture continues short.

MISSISSIPPI: Temperatures normal to 2° subnormal except 1 to 2° above normal southwest and coastal. Extremes: 97 and 64°. Greatest 24-hour rainfall was 2.55 in. at Lexington on 17th and Gulfport on 18th.

Soil moisture mostly adequate. Fieldwork: 4.2 days suitable. Cotton 95% setting bolls, 97% 1974. Soybeans 82% blooming, 80% average; 58% podding, 64% average. Corn 57% dented, 25% mature. Rice 47% headed. Sorghum 77% headed, 31% mature, 16% harvested. Watermelons 90%, hay crop 63%, sweetpotatoes 38%, corn silage 47%, sorghum silage 36%, and peanuts 36% harvested. Cotton poor to good condition. Other crops good condition.

MISSOURI: Temperatures remained above normal, ranging from 2° above in Bootheel to 7° above northwest. Precipitation amounts averaged less north with 0.30 to 0.90 in. south and Bootheel.

Rain improved soil moisture west, east and south central, elsewhere, except Bootheel, drought stress continues. Corn condition mostly poor to fair. Corn 67% in dent, 44% 1974, 53% average. Soybean condition mostly fair to good, 78% setting pods, 49% 1974, 69% average. Cotton suffering from excessive moisture, mostly fair to good. Grain sorghum 88% headed, 75% 1974, 84% average.

MONTANA: Precipitation well above normal except south central and southeast. More than 2.00 in. west, north central and central. First snow fell higher terrain northwest.

Rains delayed harvest. Winter wheat 55% harvested, 1974 nearly 90%, normal 80%. Spring wheat 10% harvested, 1974 40%, normal 50%. Barley 15% harvested, 1974 45%, normal 55%. Second cutting alfalfa 40% completed, wild hay 80%. Grasshopper damage light to moderate in crops and range. Stockwater and range feed supplies generally adequate. Movement of cattle and sheep from summer ranges has not yet started, last year nearly 10% had been moved.

NEBRASKA: Hot and rather dry weather prevailed.

Topsoil moisture supplies 84% short, 16% adequate. Subsoil moisture 83% short, 17% adequate; a year ago topsoil 55% short, subsoil 87% short. Irrigated corn condition mostly good to excellent. Dryland corn condition poor to fair. Corn 45% in the dent stage. Sorghum condition fair to good, about 45% turned, 15% 1974. Soybean condition mostly fair to good, over 90% podded, 85% 1974. Alfalfa hay 3d cutting 60% harvested. Sugarbeets and dry beans progressed well. Pasture and range feed supplies 72% short and 23% adequate.

NEVADA: Unseasonably cool, wet weather with rain daily through 21st. Dry and somewhat warmer late week. Measureable precipitation all areas. Heaviest amount 2.27 in. Incline Village. Temperatures ranged from 3° below normal Las Vegas to 9° below Austin and Carson City. Many maximum temperatures more than 20° below mid-August averages.

Small grain harvest nearing completion. Ranges improved by recent showers.

NEW ENGLAND: Fair weather generally. Thunderstorms 21st and 22d dropped only 0.25 to 0.50 in. north and 0.10 in. south. Temperatures 4 to 10° above normal 18th and 22d, below normal, in 30's, 19th and 20th.

Showers did not alleviate dry conditions northern New England. Some potato digging Aroostook, Maine. Early fields below normal; crop continues late, vines green. Northern corn suffering water stress, cutting in progress for storage and current feed. Pastures very short. Southern corn good, silage cutting continues. Maine blueberry crop seriously reduced by heat, drought.

NEW JERSEY: Temperatures averaged 2° below normal. Extremes: 46° at Newton and 90° at Bridgeton and Hammonton. Rainfall averaged 1.58 in. north, 1.17 in. central and 0.40 in. south. Heaviest 24-hour total was 2.93 in. at Belvidere Bridge on 24th to 25th. Estimated soil moisture, in percent of field capacity, averaged 81% north, 72% central and 53% south.

Topsoil moisture mostly adequate. Some light soils experiencing dry conditions. Seeding alfalfa and plowing for fall grains underway. Hay making active. Peach harvest progressed well. Fall variety apple harvest increased slightly. Filling of silos beginning. Irish potato and vegetable harvest continues active.

NEW MEXICO: Almost totally dry eastern plains with temperatures averaging about 4° warmer than normal. Scattered showers remainder through mid-week, with rainfall ranging from 0.10 to more than 2.00 in. at Carrizozo. Drying tendency over weekend. Temperatures western two-thirds near to a few degrees cooler than normal.

Scattered rains, moisture adequate northwest and extreme southeast, short elsewhere. Cotton fair, 2 weeks late, 60% setting bolls. Alfalfa fair to good, some harvest delayed by rain; start

3d cut north; well into 4th cut south. Grain sorghum good, well into heading. Corn good, near completion tasseling, some areas well advanced into dough stage. Winter wheat seeding underway few areas. Apples poor to fair, some early varieties marketed. Peanuts good. Potato digging started. Range good northwest and southeast, fair elsewhere. Livestock good.

NEW YORK: Temperatures below normal. Early morning low's from 30's Northern Valleys up to 50's elsewhere. Extremes: 87 and 35°. Rainfall near to above normal west and New York City, below normal elsewhere. Light rain fell 21st and 22d, heavier amounts 23d and 24th.

Second cutting alfalfa 85% harvested; 3d about 20%. Leaf hopper damage persists. Oats 80% harvested. Some early corn being cut for silage. Dry beans turning, some early varieties harvested. Potatoes harvest started all areas. Snap bean yields and quality improving. Cabbage in good condition. Onion harvest continues small size reducing yields. Peach harvest progressing. Bartlett pear harvest to be underway next week.

NORTH CAROLINA: Above normal temperatures and below normal precipitation continued. Rainfall totals averaged generally less than 0.50 in. interior, in excess of 1.00 in. in mountains and along coast. Temperature averaged from 3 to 5° above normal.

Days suitable fieldwork 5.0. Soil moisture 25% short, 44% short, 31% adequate. Good tobacco harvest weather, but crops need rain. Flue-cured and burley tobacco mostly fair to good. Flue-cured harvest 67% complete, 1974 67%, average 60%. Condition most crops declined. Corn, soybeans, and peanuts fair to mostly good. Cotton rated 50% fair, 50% good. Sweetpotato digging light. Apple picking continued moderate volume.

NORTH DAKOTA: Temperatures below normal. Northwest above normal elsewhere averaged 2 to 5° below normal. Extremes: 91° at Lemmon and Devils Lake to 37° at Grand Forks. Precipitation below normal except east central and southeast. Range near normal south central to 0.48 in. below normal northeast and 1.56 in. above normal southeast. Most precipitation for week 3.02 in. at Lisbon, all of which fell in one 24-hour period. Weekend near normal weather, warm days, cool nights and scattered showers across most of State.

Small grain harvest slowed by cool, damp weather. Hard spring wheat about 35% combined, 41% 1974, 49% average. Durum 20% combined, 20% 1974, 30% average. Oats about 50% combined, 55% 1974, 65% average. Barley about 75% combined, 42% 1974, 68% average. Rye and winter wheat nearly completed. Showers and cooler temperatures gave little relief to dry row crops, small grains and pastures. Livestock good condition.

OHIO: Above normal temperatures, increasing to low 90's late week central and south. Extremes: 93, low 57°. Scattered shower and thunderstorms most of week. Greatest rainfall 2.54 in. northeast; none in some southern areas.

Harvest completed: Potatoes less than 30%, 40% 1974 and 30% normal; alfalfa hay 3d cutting 35%, 20% 1974 and normal; corn silage 5% done, same as 1974 and normal. Corn 50% dented, 35% 1974 and 40% normal; 5% mature and safe from frost, slightly ahead of 1974 and normal. Soybeans 80% pods set, 55% 1974 and 60% normal, 5% leaves yellow, slightly behind normal. Fall plowing for wheat 30%, 25% 1974 and 40% normal. Tobacco 55% topped, 55% 1974 and normal. Moisture supplies 9% short, 80% adequate and 11% surplus. Fieldwork favorable over 5 days.

OKLAHOMA: Temperatures averaged 4° below normal to 2° above normal. Precipitation averaged from trace west central to 2.28 in. south central. Weekend hot and dry.

Rains early week permitted good progress wheat seedbed preparation and fertilizer applications. First wheat seedings made in western Panhandle. Top and subsoil moisture adequate 66% of State. Rains beneficial to row crops. Cultivation active. Few sorghums combined as 10% crop mature, 18% year earlier. Cotton 69% setting bolls, 90% 1974, 75% average. Insects heavy. Peanuts 77% spiking, same as year ago, near average. Soybeans 66% setting pods. Peanuts and soybeans are in good condition. Combining of light alfalfa seed crop started. Rains improved range growth.

OREGON: Maximum temperatures early week in 80's and 90's, near normal to 5° below. Midweek maximums in 60's and 70's, minimums in 40's and 50's. Precipitation ranged from 0.25 to 1.57 in. along coast, 0.51 to 0.93 in. interior valleys, 0.05 to 0.77 in. east.

Fall grain harvest 85% completed. Spring grain 45% completed. Rain slowing harvesting operations. Most grass seeds harvested, except bentgrass. Red clover seed crop looks good. Third cutting alfalfa underway. Hop and mint harvests continuing. Bartlett pear harvest beginning. Gravenstein Red Haven apples being harvested. Early peaches finishing. Prune crop looks good, some brown rot. Filberts and walnuts look good. Evergreen blackberries being picked. Sweet corn, green beans, beets, broccoli, cabbage, cauliflower, cucumbers being harvested. Potatoes look good, late in maturing. Range and pastures turning green from recent rains. Feed and water supplies adequate. Cows and calves look good. Little livestock contracting.

PENNSYLVANIA: Typical summer weather with scattered showers and thunderstorms. Daytime temperatures mostly in 70's and 80's. Overnight lows 40's to low 60's. Extremes: 93 and 40°. Temperatures 4 to 6° below normal north, near normal central, 2 to 4° above south. Rainfall highly variable, under 0.10 in. to over 2.00 in.

Soil moisture 75% adequate, 25% short. Major activities: Oats combining, baling straw, fall plowing, harvesting peaches, apples, tomatoes, potatoes, tobacco and some ensilage corn. Oat harvest 91%, 10% ahead of 1974. Tobacco 5% harvested. Potatoes 20% dug, 3 days ahead of 1974. Fall plowing 17%, 1974 25%. Corn 20% dent, 51% dough; about 11 days ahead of 1974. Alfalfa hay 2d cut 83%, 3d cut 32%, 4th cut 8%. Clo-Tim 2d cut 61%. Hay quality mostly good to some fair. Feed from pastures average.

PUERTO RICO: Island average rainfall 1.03 in. Highest weekly total 4.87 in. at Hacienda Constanza. Highest 24-hour total 2.37 in. at Mayaguez. Temperatures averaged 80° on coasts and 74°. Extremes: 93 and 52°.

Weather favored sugarcane development except in some northwest and south coastal areas. Coffee bean development progressing adequately although retarded some areas due to dry weather. Little activity in tobacco zones. Recuperation of pastures noted most sectors although more rains needed in west and south coastal areas. Recent rains benefited soil preparation and planting operations of food crop, but more rains needed for good growth of plantings. Good harvest of plantains and bananas in some localities.

SOUTH CAROLINA: Week averaged warmer than normal. Temperatures ranged 3 to 8° above normal. Rainfall varied widely in showers. About three-fourths

State received total of 0.50 in. or less. High temperatures of 100° at Florence on 17th. Growing crops need rainfall. Tobacco harvested 94% 1975, 96% 1974. Cotton fair to good condition; bollworm, weevil infestation heavy; 94% setting bolls, 11% open bolls. Soybeans good condition; 76% blooming, 56% setting pods. Corn condition good; 68% mature stage. Peaches harvested 97% 1975, 99% 1974.

SOUTH DAKOTA: Temperatures averaged 3° below to 8° above normal. Extremes: 101° Pierre 23d, 41° Camp Crook 24th. Precipitation ranged from zero west to 2.53 in. east. Precipitation departure from normal for the growing season ranges from +3.44 in. northwest to -6.08 in. northeast.

Flaxseed 87% ripe, slightly behind 1974. Flax 59% harvested, 1974 74%, normal 61%. Corn 70% in or past dough stage, 1974 58%, normal 66%. Cutting corn for silage has started. Sorghum 85% headed, slightly behind normal. Winter wheat and rye seeding just beginning. Some farmers in west will not start seeding until moisture is received. Fall plowing 26% complete, 1974 and normal 25%. Livestock in generally good condition. Farmers continue to green chop and feed hay to supplement short pastures central and east.

TENNESSEE: Weather influenced by stagnant area of high pressure over entire State. Temperatures averaged 3° above normal. Precipitation less than 0.50 in.

Soil moisture generally adequate to short. East is in more need of rain than other areas. Fieldwork: 5.5 days suitable. Cotton setting bolls 95%, 85% 1974, 94% average; boll weevil infestation heavier than normal. Soybeans setting pods 58%, 32% 1974, 50% average. Corn 13% mature, 65% dented, ahead of average and 1974. Burley tobacco harvest 21% complete, 19% 1974, 18% average. Lespedeza hay 46% harvested, 36% 1974 and average. Preparation for fall seeded crops 30% complete.

TEXAS: Scattered thundershowers dotted portions of State daily. Heaviest rainfalls east third; averages 1.00 in. or more common. West half little or no precipitation. Temperatures average within 2° of normal.

Harvest cotton, corn, sorghum, peanuts, rice satisfactory progress. Prospects generally good. Harvest sunflowers started Low Plains, yield prospects excellent. Early wheat, oat fields seeded High Plains. Completion cotton harvest delayed Lower Rio Grande Valley Coastal Bend, wet weather. Defoliation underway Blacklands South Central where early fields being harvested High, Low Plains. Cotton continues excellent condition, while insect problems are above normal, control measures have been effective. Corn harvest getting underway Blacklands, east but rapidly nearing completion South, Upper Gulf Coast. Low, High Plains some silage harvested. Sorghum harvest complete or nearing completion southern half; getting started southern Low Plains, Cross-Timbers. High Plains, sorghum rapidly approaching maturity. Insect problems still above normal but decreasing in response to control measures. Major crops percent harvested: Cotton 6, 1974 14, average 10; corn 18, 1974 34, average 31; sorghum 53, 1974 51, average 45; peanuts 8, 1974 12, average 12; rice 75, 1974 77, average 68. High Plains: Potato, onion harvest nearing completion. Harvest cabbage, carrots, cantaloups. Trans-Pecos: Cantaloups still available good volume, light supplies onions. East: Watermelon harvest continues, sweetpotato digging started on early fields. San Antonio-Winter

Garden: Cabbage, carrots planting active. Eggplants, peppers, cucumbers all making good growth. Pecans in central and east continued threatened by scab, yellow aphids; webworms damaging crop South Central Cross Timbers. Ranges, pastures southern half beginning to dry up, turn brown. Grazing still abundant, livestock continue good to excellent. Hay harvest making good progress, but many areas need rain for another cutting. Screwworms and ticks increasing each week in most areas.

UTAH: Scattered shower and thunderstorm activity late week. Accumulated amounts moisture generally light to moderate, but locally heavy south. Temperatures generally below normal, ranging from near normal to 7° below. A few colder valleys had local frost late week.

Corn acreage 75% in silk stage, only 13% milk stage; now indicated to be 93% for silage purposes. Second crop alfalfa hay harvest 90% complete. Harvest of winter wheat 68% completed, spring wheat and barley 62%, and oats 51%. Prospects for apples good, pears fair to good, peaches fair. Soil moisture short. Range feed dry but adequate. Livestock good condition.

VIRGINIA: Temperatures averaged 3° above normal. Extremes: 96 and 55°. Rainfall amounts varied greatly, ranging from zero to 2.76 in.

Fieldwork: 5.5 days favorable. Topsoil moisture 60% adequate, 38% short, 2% surplus. All crops good to excellent condition, but rain needed for peanuts, soybeans, late corn, hay, pasture. Corn silage harvest advanced, grain harvest just started. Tobacco harvest progress: Flue-cured 39%, 1974 34%, fire-cured 19%, 1974 14%, burley 7%, 1974 8%, sun-cured 11%, 1974 9%. Burley tobacco firing, needs rain. Peach harvest late stages, brown rot reduced quality, yield some orchards. Summer apple harvest continues. Potato, processing tomato harvest nearing end. Cabbage, few sweetpotatoes harvested. Cattlemen marketing feeder stock.

WASHINGTON: West: Temperatures 1 to 3° below normal. Precipitation 0.50 to 2.00 in. above normal.

Rain damaged blackberries. Harvest blueberries, cucumbers, cauliflower, broccoli progressed. Pea combining nearing completion.

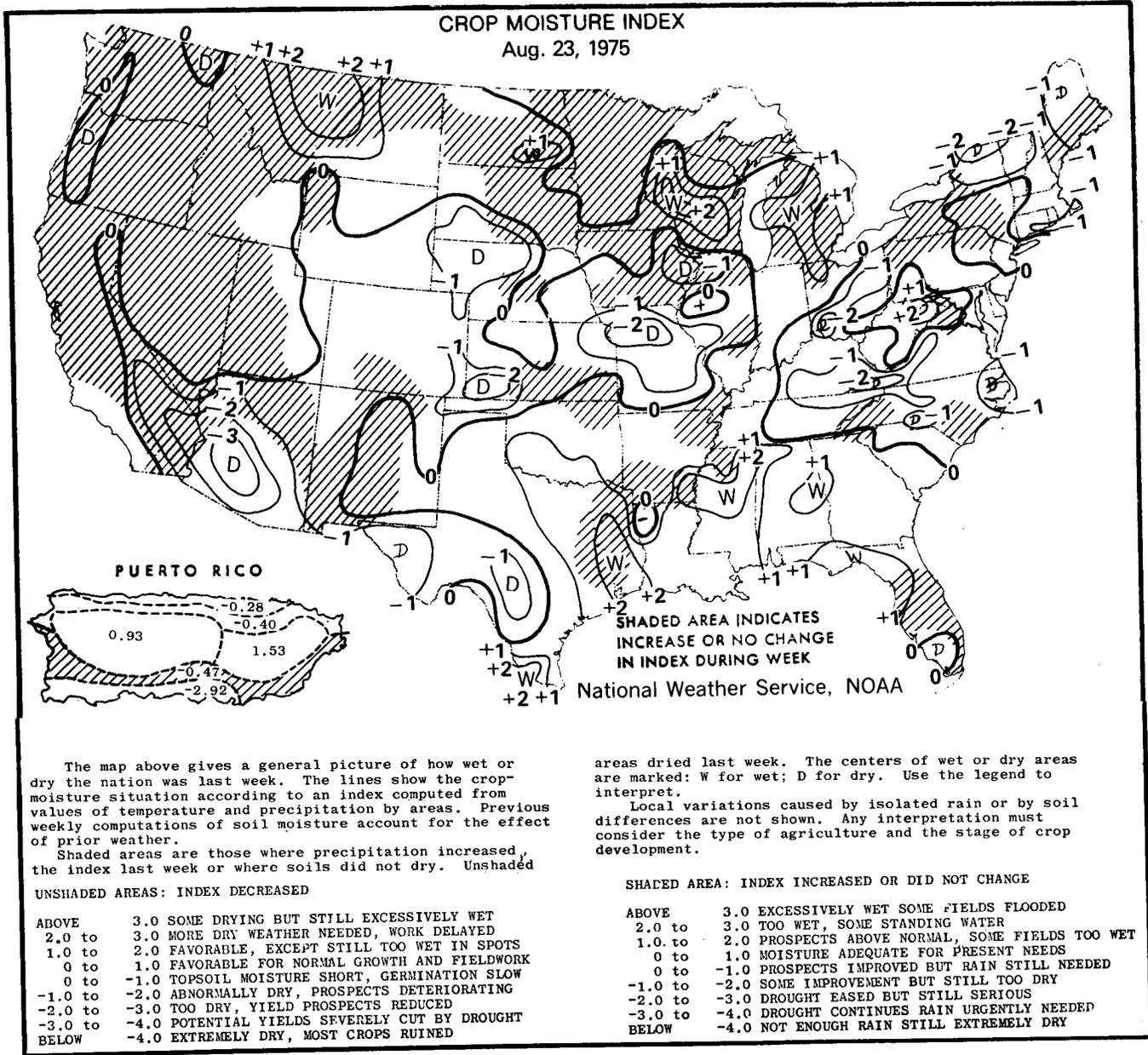
East: Temperatures about normal. Precipitation 0.20 to 2.50 in. above normal.

Abnormally heavy rains downed estimated 700 acres hops. Bartlett pear harvest underway. Peach harvest continued, weather permitting. Continued harvest sweet corn for processing, tomatoes and peppers for fresh market. Potato digging continued. Wheat, dry pea, lentil harvest delayed by rain.

WEST VIRGINIA: Temperatures above normal. Precipitation below normal.

Favorable workdays 4.9. Soil moisture 20% short, 76% adequate and 4% surplus. Main activities: Haying, clipping pastures and harvesting vegetables. Second cutting of hay is 59% complete. Oats 91% and wheat completed. Corn in mostly good condition, 31% silked, 54% dough and 8% dented stage. Livestock in good condition.

WISCONSIN: Temperatures averaged 2° above normal. Cool early, lows in 30's and 40's north and central, very warm after midweek. Heavy rainfall, all of State averaging near 2.00 in. or more. Severe thunderstorms 20th through 24th. Flash flooding west central 22d as 4.00 to 6.00 in. rain in 24-hours. Eau Claire recorded 9.2 in. for week.



Rains welcomed to replenish short soil moisture supplies but came too late to help some drought stricken crops. Some corn on sandy or light soils has no ears and is being chopped for low quality silage. Development of corn continues ahead of 1974 and normal; 55% in dough, 1974 35%, normal 40%. Soybeans helped by rain; beans podding and beginning to turn color. Oat harvest 85% done, 1974 and normal 80%; combining done most areas except north. Second crop hay harvest 80% complete, 1974 75%, normal 70%. New seedings and 3d crop should benefit from rains. Pastures in poorest conditions since 1969 and 1970. Tobacco being topped, harvest to start soon on early tobacco. Late tobacco needed rain for more growth. Sweet corn yields reduced by hot, dry weather. Potatoes and other vegetable crops poor where not irrigated. Early apples on market with good

quality, size, and color. Soil moisture 78% short, 22% adequate prior to weekend rains.

WYOMING: Greatest temperature deficiencies in northeast and southwest corners. Several low temperatures in middle 30's, highs in middle 90's. Precipitation light all areas.

Winter wheat 94% cut. About 5% 1976 crop seeded. Spring wheat 81% matured, 60% harvested. Barley 87% matured, 47% harvested. Oats one-third cut. Second cutting alfalfa 54% complete, other hay 74% cut. Row crop conditions generally good, despite being somewhat behind normal. Most corn silked, some in milk stage. Dry beans 90% setting pods, 12% turned color. Range land, pasture conditions fair to good. Soil moisture supplies short northwest, northeast, adequate elsewhere.



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WORLD WEATHER AND CROP UPDATE

Rain the past week relieved dry conditions in much of Western Europe, but heat and drought had already taken heavy toll of crops. Substantial August rains in Australia's wheat areas, especially the dry southeast interior, greatly improved crop prospects. August 23 brought more cold and some frost to West Siberia and northern Kazakhstan in the USSR.

Unusually heavy frosts in parts of Peru caused serious losses of vegetables and field corn. Reports indicated the cold winter hurt citrus and other crops in Argentina. Excessive early summer rains threatened wheat in Ecuador but weather and crop prospects improved in late July-early August. Wet weather and disease also reduced corn prospects in Venezuela. Early summer drought hurt crops in El Salvador, but not as much as it did in Honduras and Nicaragua. Mexico's summer weather has been mostly favorable except for the delayed rainy season in the northeast, particularly Tamaulipas.

Typhoon Rita brought wind and heavy rain to southern Japan last week. In India areas that produce 91% of the summer-grown cereal grains received normal or above normal rainfall during June 1 - August 20, compared to only 62% of normal for the same 1974 period.