

# Weekly Weather & Crop Bulletin

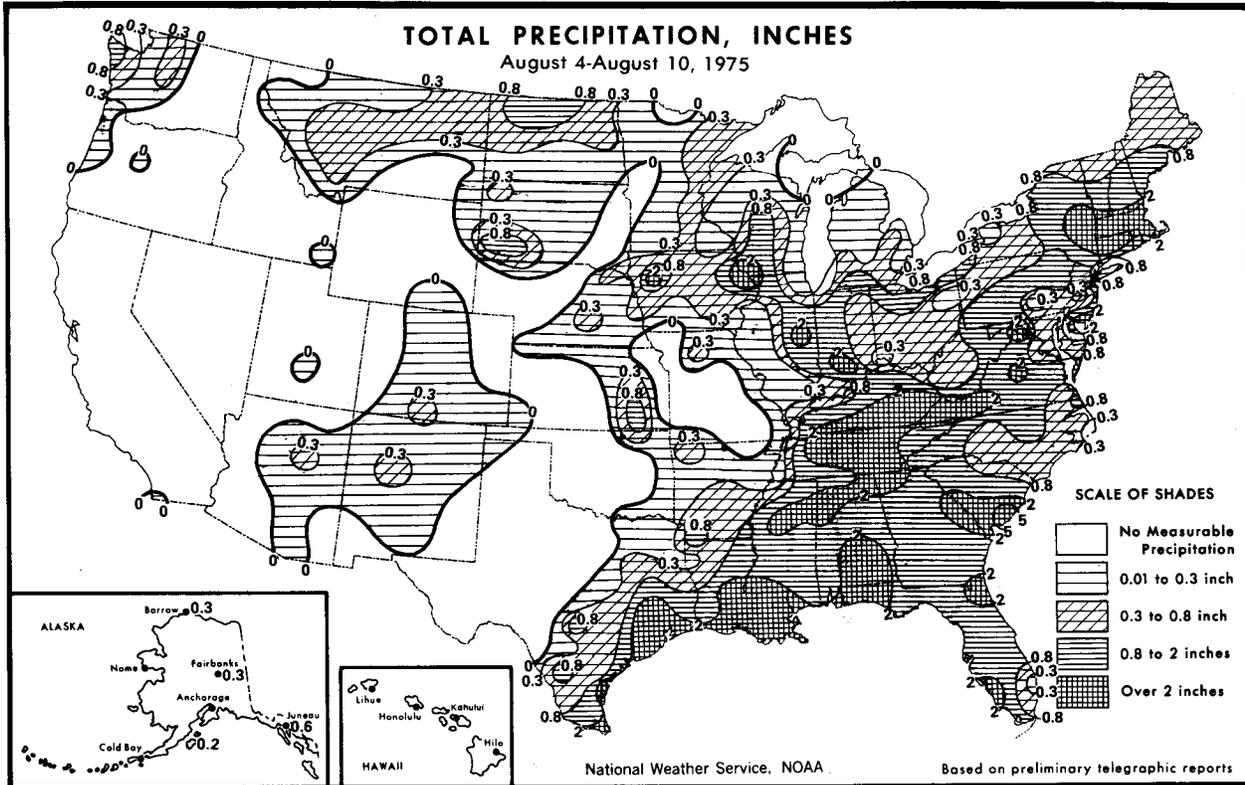
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## NATIONAL WEATHER SUMMARY

For the Week of August 4-10

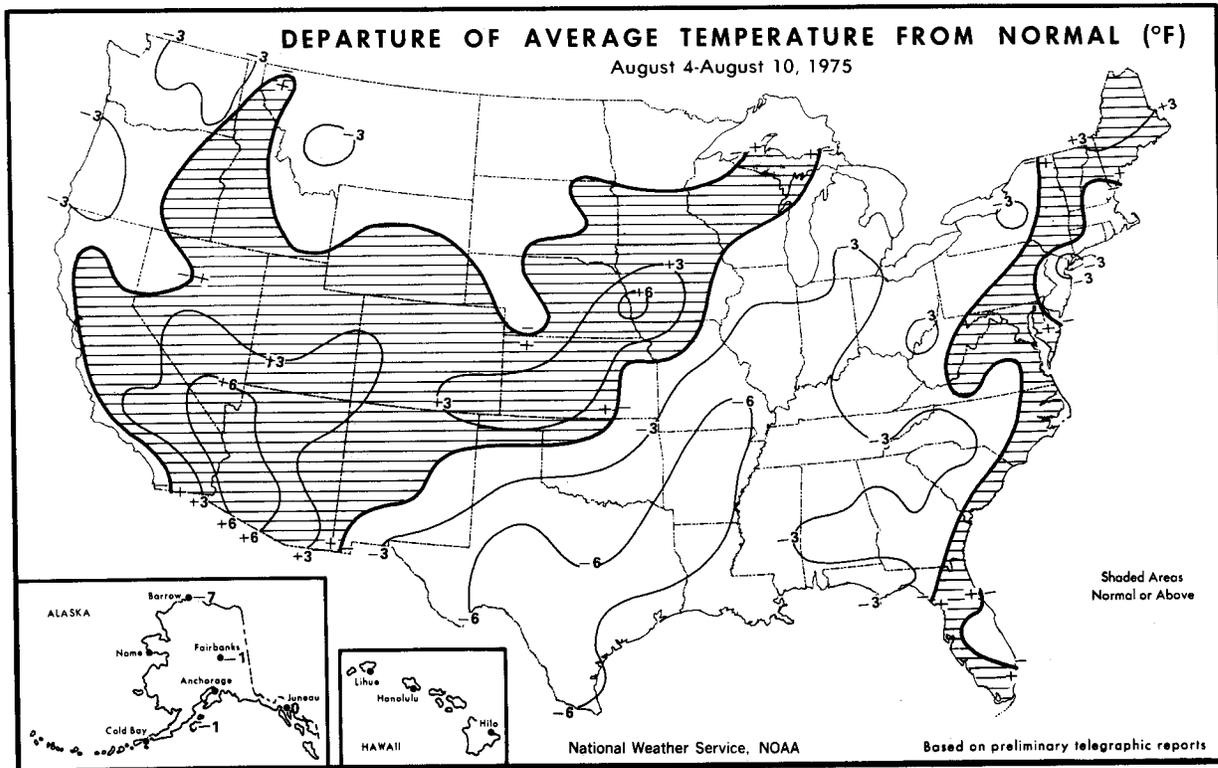
**HIGHLIGHTS:** Headlining the week's weather story, a high pressure system favored most of the Nation with mild temperatures and sunny skies. As it pulled cool, dry air into the Northeast, temperatures reversed their course and dipped into the 60's and 70's. Scarce precipitation brought more bad news to the parched Plains States, as what little there was fell across the eastern third of the Nation, mostly in the Great Lakes region and throughout the south Atlantic and Gulf Coast States.

**PRECIPITATION:** Beginning-of-the-week rains over the eastern third of the Nation broke up the week-end heat wave in the Northeast. Early Monday morning the weather had little to say, but showers and storms soon increased, in both number and intensity. Rainfall led a slow moving cold front eastward, until, by midday, the pattern of precipitation trailed from the lower Great Lakes region into central Texas.

In parts of Mississippi and Louisiana, flooding served as a reminder of last week's drenching. And because of light winds, Maryland and most of Virginia kept an eye on their air stagnation levels. Meanwhile, the northwestern two-thirds of the Country fared under mild weather and sunny skies.

As showers and thunderstorms built up from the Great Lakes into the central Appalachians on Tuesday, areas along the Gulf complained louder about being too wet. Meanwhile, little relief was in sight for the parched middle Mississippi Valley. Maryland and Virginia breathed a little easier on Tuesday, when the air stagnation advisory was lifted in the afternoon. To the West, showers and storms made their way across Nebraska and South Dakota.

Much of the Nation enjoyed pleasant air and sunny skies at midweek. Severe weather was noticeable by its absence. Showers and thunderstorms were confined to an area from the lower Great Lakes



region southeast to the Atlantic Coast, and from south Virginia and east Kentucky to the eastern Gulf Coast area. Isolated activity kicked up afternoon showers in parts of Florida. Elsewhere showers cropped up in the southern Plateau region, mostly in north Arizona and the central Rockies.

As it headed across the northern Plains, Thursday's cold front triggered severe weather in eastern Montana. On the middle Mississippi Valley, showers sprang up, and some formed a line and marched through portions of southeast Arkansas, north east Louisiana, and west Mississippi. Heaviest rains fell in the Southeast; showers and thunderstorms stretched from the south Atlantic Coast States along the Gulf to east Texas. Otherwise, mild weather favored areas from the Northeast almost to the Gulf Coast.

Looking at the weekend weather, just about all the news was good. Severe conditions gave way to fair or sunny skies. A high pressure system covering most of the Nation didn't give rain much a chance, but kept dry areas dry and wet areas wet.

Areas of precipitation, however sparse, centered around east New England and from the Tennessee Valley into southeast Texas. Showers and occasional thundershowers rumbled along the Gulf and south Atlantic Coasts. To the West, light activity dotted the Rockies and Intermountain regions.

Friday's hot, dry weather in the Plains pushed the livestock safety alert into the danger level, so showers that formed over the Missouri Valley and central Plains on Saturday were more than welcome. At the end of week brief rains dampened the thirsty Midwest, and from the Ohio Valley southeast through the south Atlantic and Gulf Coast States to extreme east Texas. This was only a beginning, however, as dry conditions still had a grip on most of the Plains.

**TEMPERATURE:** Warm, humid weather blanketed New

England on Monday, but readings in the 70's and 80's replaced the record breaking 100° weekend temperatures. Further south along the Atlantic Coast, however, conditions stayed hot.

Neither did things change in the desert Southwest, which heated up to over 110° on Tuesday afternoon. Nearby, however, the already comfortable western quarter of the Nation, particularly the Pacific Northwest, grew a bit cooler.

Wednesday's early morning hours were chilly over the north central States, as the mercury dipped into the 40's and 50's from Michigan to the east Dakotas. Parts of east Texas cooled as well; Midland scored a record low of 61°. By early afternoon a cold front held the temperature in the 60's across much of the Northeast, while comfortable readings in the 70's ranged from the upper Great Lakes region into North Dakota. A hint of cooling gave hope to the hot Southwest, despite the fact that Needles, Calif. told of an early morning low of 92°.

Cool temperatures greeted the central States on Thursday morning. From Michigan to Texas, new daily record lows were set. During the day a high pressure center pulled more cool dry air into the Northeast, where readings ranged in the 60's and 70's. The Southwest still baked under rising temperatures, but daily records weren't threatened.

Seasonable temperatures reigned over the weekend across most of the Nation. Friday's midafternoon readings set the pace for the rest of the week: 70's and 80's from New England and the Great Lakes along the Atlantic and Gulf Coasts, and in the Far West; 60's along both the Northeast and Pacific Northwest Coasts; and above 100° throughout the desert Southwest. The high pressure center kept the Northeast cool, and on Saturday morning daily record lows were broken over the lower Mississippi Valley and adjacent Plains, and in the mid Atlantic Coast States (Richmond, Va., 57°).

## NATIONAL AGRICULTURAL SUMMARY

For the Week of August 4-10

**HIGHLIGHTS:** Small grain combining moved ahead last week with most harvesting confined to North Dakota and the Northwest. Corn continues to develop ahead of 1974 and average and is in good condition in the eastern Corn Belt. However, dry conditions persisted in the western Corn Belt. Soybeans are making good progress in the east North Central and South, but like corn, are showing effects of low moisture in the west North Central.

**SMALL GRAINS:** Small grain combining moved closer to completion last week as the winter wheat harvest advanced to 87% complete. In North Dakota, 67% is combined, making it the only North Central State not yet complete. Progress was slow in Montana because of frequent showers and harvest is only 10 percent done, well below normal. Idaho's harvest will be in full swing in another 1 to 2 weeks. The Utah harvest is picking up and is now 25% done. Both Wyoming and Oregon have combined 60% of their crops and the Washington harvest is in full swing.

Spring wheat harvest in Minnesota is now 23% complete, but in South Dakota, harvest progress advanced to 75%, compared with an average of 69%. In North Dakota, the leading spring wheat producing State, 9% has been combined. The Montana crop is later than usual with only 10% ripe as opposed to a normal of 60%. In Idaho, 20% of the acreage is ripe--40% in 1974.

Minnesota's oat harvest advanced with good weather last week to 54% completion. South Dakota also made progress with 89% of the oats now harvested. Barley harvesting is well under way in North Dakota and Minnesota, where 39 and 49% of the crop is harvested, respectively. Montana's crop is only 20% ripe, compared with 80% last year and 50% normal.

**CORN:** Hot, dry weather continued over the western Corn Belt States last week, while the eastern Corn Belt received adequate rainfall and below normal temperatures. However, scattered rains fell over much of Iowa during the weekend but more is needed to relieve stress caused by 6 successive weeks of below normal rainfall. Portions of northwest Iowa received heavy rains. Although local rain showers fell in southeastern Kansas, conditions remain dry in other western Corn Belt areas.

Iowa, the leading corn State, has 63% of the acreage in the milk stage and 32% in the dough stage. Stress signs are common and silage is being cut on lighter soils. Corn in Illinois is mostly in good to excellent condition and is ahead of normal development with 80% in the dough stage compared to a normal 48%; 30% is in the dent stage compared to 9% average. Irrigated corn in Nebraska is in good to excellent condition with 95% silked. Dryland corn is mostly fair to good with 90% silked. Moisture stress is evident in the dryland crop, as is the case in the eastern two-thirds of Kansas, where firing has been observed. The South Dakota and Minnesota crops have been deteriorating because of low rainfall and prospects in Missouri are also declining. Corn in Ohio and Indiana continues to develop ahead of normal.

**SOYBEANS:** The soybean crop fared better than corn in the west North Central States, but the

dry conditions are evident. But the east North Central States crop continues to make good progress and is developing ahead of normal.

In Illinois, the largest soybean State, 88% of the acreage has set pods, compared with 32% in 1974 and 88% average. The crop is in good to excellent condition. The second leading State, Iowa, has pods set on 77% of the acreage; in 1974, 55% was set and the average is 62%. The Iowa crop is reported in fair to good condition but rainfall is needed badly. Soybeans in Nebraska are developing ahead of normal, 75% podded compared to 70% normal. Prolonged dryness in Kansas has retarded development.

Widespread showers improved prospects in Arkansas, where early fields are growing rapidly and in heavy bloom. Mississippi's beans have reached normal development with 55% blooming and 31% podding.

**COTTON:** General rains in the southeastern States improved cotton prospects during the week. In Mississippi, 88% has set bolls, slightly behind 90% in 1974. The Arkansas crop is fruiting heavily and many large bolls are forming. Alabama cotton is in good condition--90% of the acreage has set bolls. The South Atlantic crop continues in good condition with some insect problems. Cotton prospects remain good in Texas where some picking is underway; 3% is complete compared to 5% in 1974 and 4% average. New Mexico and Arizona report late development. California cotton is in good condition.

**OTHER CROPS:** Sorghum harvesting in Texas is keeping pace with both last year and the average with 42% harvested through last week. Development in Kansas and Nebraska is still ahead of 1974 with 35% and 80% headed, respectively. Maine potatoes reflect low rainfall and light yields are expected because of small tubers. Idaho's crop is making excellent progress. Five percent is turning color compared with 20% in 1974. Washington's potato harvest is active with processing operations under way.

Texas' rice harvest is picking up but still trailing 1974 and average progress with 40% harvested to date. In Arkansas the first field was cut last week. Additional fields are being drained.

**FRUIT AND NUTS:** The Michigan tart cherry harvest is virtually complete, and Oregon is finishing up. Early apples are being harvested in New York, Michigan, and California. The peach harvest is nearing an end in South Carolina and is under way in Oregon, Washington and Michigan. Picking is active in California.

**VEGETABLES:** New York's onion and cabbage harvests continue. California broccoli, cauliflower, lettuce, and celery supplies are moderate; melon harvesting there is active. Florida growers are planting fall vegetables.

**PASTURES AND LIVESTOCK:** Pastures are in poor condition in the west North Central States but are much better in the east North Central States where rainfall has been adequate. Ranges in the West generally have improved but are in poor shape in the lower Mountain States because of low rainfall.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., Aug. 10, 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 . . .	77	- 3	.9	-.1	La.Baton Rouge . . .	78	- 4	3.7	+2.5	Youngstown . . .	68	- 2	.2	-.6
Mobile . . .	79	- 3	1.5	-.1	Lake Charles . . .	79	- 4	1.6	+.4	OKLA.Okla. City . . .	80	- 2	0	-.5
Montgomery . . .	81	0	3.3	+2.5	New Orleans . . .	78	- 4	2.5	+1.3	Tulsa . . .	82	- 1	T	-.6
ALASKA.Anchorage . . .	---	---	---	---	Shreveport . . .	78	- 6	.1	-.5	OREG.Astoria . . .	59	- 2	.1	-.2
Barrow . . .	32	- 7	.3	0	MAINE.Caribou . . .	68	+ 4	.5	-.4	Burns . . .	69	+ 1	0	-.1
Fairbanks . . .	57	- 1	.3	-.2	Portland . . .	68	0	1.5	+.9	Medford . . .	69	- 3	0	-.1
Juneau . . .	55	0	.6	-.5	MD.Baltimore . . .	76	0	.7	-.3	Pendleton . . .	72	- 1	0	-.1
Kodiak . . .	55	- 1	.2	-.6	MASS.Boston . . .	71	- 2	2.8	+2.1	Portland . . .	66	- 1	T	-.1
Nome . . .	---	---	---	---	Chatham . . .	67	- 1	3.0	---	Salem . . .	63	- 4	T	-.1
ARIZ.Flagstaff . . .	68	+ 3	.2	-.4	MICH.Alpena . . .	65	- 1	.1	-.5	PA.Allentown . . .	71	- 2	1.6	+.6
Phoenix . . .	97	+ 7	T	.3	Detroit . . .	71	- 1	.2	-.6	Erie . . .	68	- 1	1.1	+.4
Tucson . . .	89	+ 4	.1	-.5	Flint . . .	69	- 1	.7	0	Harrisburg . . .	75	0	.2	-.6
Winslow . . .	80	+ 2	.3	-.1	Grand Rapids . . .	69	- 2	.5	-.1	Philadelphia . . .	75	- 1	1.8	+.2
Yuma . . .	97	+ 3	0	-.1	Houghton Lake . . .	64	- 2	T	.5	Pittsburgh . . .	70	- 1	1.3	+.5
ARK.Fort Smith . . .	78	- 5	.1	-.5	Lansing . . .	68	- 3	.1	-.5	Scranton . . .	71	0	1.2	+.4
Little Rock . . .	76	- 6	.4	-.3	Marquette . . .	68	+ 1	T	-.6	R.I.Providence . . .	71	- 1	1.3	+.4
CALIF.Bakersfield . . .	87	+ 4	0	0	Muskegon . . .	69	- 1	.2	-.3	S.C.Charleston . . .	80	0	5.2	+3.6
Eureka . . .	55	- 2	T	-.1	S. Ste. Marie . . .	63	- 2	T	-.6	Columbia . . .	78	- 3	1.5	+.2
Fresno . . .	80	+ 1	0	0	MINN.Duluth . . .	64	- 2	.7	-.1	Greenville . . .	76	- 2	1.2	+.3
Los Angeles . . .	73	- 1	0	0	Internatl Falls . . .	64	- 1	T	.8	S.D.Aberdeen . . .	74	+ 1	T	-.5
Red Bluff . . .	82	+ 1	0	0	Minneapolis . . .	73	+ 1	.3	-.4	Huron . . .	73	- 1	T	-.4
San Diego . . .	70	- 1	T	0	Rochester . . .	70	0	.2	-.6	Rapid City . . .	73	- 1	.5	+.1
San Francisco . . .	62	- 1	0	0	St. Cloud . . .	69	- 1	.1	-.8	Sioux Falls . . .	74	0	T	-.6
Stockton . . .	79	+ 3	0	0	MISS.Jackson . . .	78	- 4	1.3	+.4	TENN.Chattanooga . . .	74	- 5	3.9	+3.1
COLO.Denver . . .	75	+ 2	T	-.3	Meridian . . .	79	- 2	1.3	+.4	Knoxville . . .	76	- 2	1.3	+.5
Grand Junction . . .	80	+ 3	0	-.2	MO.Columbia . . .	74	- 3	T	.7	Memphis . . .	78	- 4	T	-.8
Pueblo . . .	79	+ 3	T	-.5	Kansas City . . .	80	+ 1	0	-.3	Nashville . . .	76	- 4	2.8	+2.0
CONN.Bridgeport . . .	73	- 1	.7	-.2	St. Louis . . .	74	- 5	.4	-.3	TEX.Abilene . . .	79	- 6	0	-.5
Hartford . . .	72	0	2.3	+1.4	Springfield . . .	74	- 4	0	-.6	Amarillo . . .	77	- 2	0	-.7
D.C.Washington . . .	78	0	.4	-.7	MONT.Billings . . .	73	0	T	-.2	Austin . . .	81	- 5	.4	0
FLA.Apalachicola . . .	80	- 2	1.5	-.2	Glasgow . . .	69	- 2	.3	-.1	Beaumont . . .	79	- 5	2.6	+1.3
Daytona Beach . . .	80	- 1	1.8	+.3	Great Falls . . .	68	- 2	.6	+.4	Brownsville . . .	80	- 5	3.4	+3.0
Ft. Myers . . .	83	0	4.6	+2.9	Havre . . .	68	- 2	T	-.2	Corpus Christi . . .	80	- 6	3.4	+2.8
Jacksonville . . .	81	0	2.7	+1.0	Helena . . .	64	- 5	.7	+.5	Del Rio . . .	81	- 6	T	-.2
Key West . . .	85	0	1.3	+.5	Kalispell . . .	65	+ 1	T	-.3	El Paso . . .	79	- 3	T	-.3
Lakeland . . .	81	- 1	1.9	+.2	Miles City . . .	73	- 2	T	-.3	Fort Worth . . .	84	- 2	0	-.4
Miami . . .	83	0	.5	-.9	Missoula . . .	66	- 1	.1	-.1	Galveston . . .	82	- 2	3.0	+2.1
Orlando . . .	82	0	1.3	-.2	NEBR.Grand Island . . .	77	0	.6	0	Houston . . .	81	- 3	3.2	+2.3
Tallahassee . . .	79	- 3	1.8	-.2	Lincoln . . .	81	+ 3	.1	-.6	Lubbock . . .	75	- 5	0	-.4
Tampa . . .	84	+ 2	.9	-1.0	Norfolk . . .	77	+ 1	.2	-.4	Midland . . .	77	- 6	0	-.4
W.Palm Beach . . .	81	- 1	.3	-1.1	N.Platte . . .	73	- 2	0	-.5	San Angelo . . .	78	- 8	0	-.3
GA.Atlanta . . .	76	- 2	1.5	+.4	Omaha . . .	82	+ 7	.3	-.6	San Antonio . . .	79	- 7	.2	-.2
Augusta . . .	78	- 2	2.5	+1.5	Valentine . . .	76	+ 1	.1	-.5	Victoria . . .	82	- 3	.4	-.2
Macon . . .	79	- 3	.9	0	NEV.Ely . . .	69	+ 2	T	-.1	Waco . . .	82	- 5	T	-.3
Savannah . . .	81	0	1.0	-.5	Las Vegas . . .	96	+ 7	0	-.1	Wichita Falls . . .	82	- 5	0	-.4
HAWAII.Hilo . . .	---	---	---	---	Reno . . .	68	- 1	0	-.1	UTAH.Blanding . . .	75	+ 3	0	-.4
Honolulu . . .	---	---	---	---	Winneucca . . .	70	0	0	-.1	Salt Lake City . . .	78	+ 1	T	-.2
Kahului . . .	---	---	---	---	N.H.Concord . . .	68	- 1	1.4	+.8	VT.Burlington . . .	71	+ 2	.8	0
Lihue . . .	---	---	---	---	N.J.Atlantic City . . .	73	- 2	3.1	+1.9	VA.Lynchburg . . .	75	- 1	1.4	+.5
IDAHO.Boise . . .	75	+ 1	0	-.1	Trenton . . .	73	- 2	.2	-.8	Norfolk . . .	78	0	.3	-1.1
Lewiston . . .	75	+ 2	0	-.1	N.MEX.Albuquerque . . .	79	+ 1	.4	0	Richmond . . .	76	- 1	1.1	-.1
Pocatello . . .	71	- 1	0	-.1	Roswell . . .	78	- 1	0	-.4	Roanoke . . .	76	+ 1	2.4	+1.5
ILL.Cairo . . .	76	- 4	.2	-.6	N.Y.Albany . . .	72	- 1	3.6	+3.0	WASH.Colville . . .	63	- 5	0	-.2
Chicago . . .	75	0	T	-.7	Binghamton . . .	67	- 2	.7	-.1	Omak . . .	67	- 3	0	-.1
Moline . . .	73	- 1	.1	-.7	Buffalo . . .	70	0	.3	-.5	Quillayute . . .	58	- 1	1.0	+.4
Peoria . . .	71	- 4	.2	-.5	New York . . .	72	- 4	.5	-.6	Seattle-Tacoma . . .	64	- 1	.1	-.1
Rockford . . .	71	- 2	0	-.8	Rochester . . .	72	- 1	.3	-.4	Spokane . . .	67	- 3	0	-.1
Springfield . . .	73	- 3	.1	-.5	Syracuse . . .	68	- 3	.9	+.1	Walla Walla . . .	72	- 3	0	-.1
IND.Evansville . . .	73	- 4	.3	-.4	N.C.Asheville . . .	70	- 4	.8	-.3	Yakima . . .	68	- 2	0	0
Ft. Wayne . . .	69	- 4	.7	0	Charlotte . . .	76	- 3	.6	-.3	W.Va.Beckley . . .	69	- 1	.6	-.3
Indianapolis . . .	73	- 1	1.1	+.5	Greensboro . . .	76	- 1	.6	-.4	Charleston . . .	73	- 2	.5	-.4
South Bend . . .	70	- 2	1.7	+.9	Hatteras . . .	78	0	.3	+1.2	Huntington . . .	73	- 2	.5	-.3
IOWA.Burlington . . .	74	- 2	.1	-.6	Raleigh . . .	76	- 1	1.0	+.2	Parkersburg . . .	71	- 4	.6	-.2
Des Moines . . .	78	+ 3	.3	-.4	Wilmington . . .	81	+ 1	.6	+1.0	WIS.Green Bay . . .	69	0	T	-.6
Dubuque . . .	70	- 2	2.1	+1.3	N.DAK.Bismarck . . .	70	- 2	T	-.4	La Crosse . . .	73	0	.1	-.5
Sioux City . . .	76	0	.2	-.4	Fargo . . .	69	- 2	T	-.7	Madison . . .	69	- 1	1.0	+.3
KANS.Concordia . . .	83	+ 4	.1	-.6	Williston . . .	69	- 2	.8	+.4	Milwaukee . . .	70	- 1	.2	-.4
Dodge City . . .	84	+ 4	0	-.6	OHIO.Akron-Canton . . .	70	- 1	.2	-.5	WYO.Casper . . .	72	0	0	-.1
Goodland . . .	77	+ 1	T	-.5	Cincinnati . . .	73	- 2	.3	-.4	Cheyenne . . .	70	+ 1	T	-.4
Topeka . . .	78	- 1	T	-.9	Cleveland . . .	69	- 2	1.2	+.5	Lander . . .	72	+ 1	T	-.1
Wichita . . .	83	- 2	T	.7	Columbus . . .	73	0	.5	-.2	Sheridan . . .	70	- 2	T	-.2
KY.Lexington . . .	74	- 2	1.9	+1.0	Dayton . . .	71	- 3	.7	+.1	P.R.San Juan . . .	83	+ 2	2.4	+.8
Louisville . . .	75	- 2	.7	0	Toledo . . .	68	- 4	.4	-.3					

Based on 1941-70 Normals

The Weekly Weather and Crop Bulletin is published by the National Weather Service, NOAA, and Statistical Reporting Service, USDA.  
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prepared by Dr. Richard E. Felch, agricultural climatologist, Lyle M. Denny, Orus W. Byrd, meteorologists, Homer Rowley, 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:** Scattered showers and thundershowers occurred over most of State during the past week, with the most concentrated rainfall over the central counties. Temperatures were slightly below normal with the weekly average 2° below normal.

Still too wet to plow sums up field activities. Soil moistures still surplus entire State. Corn condition good to excellent; 67% dented; 58% 1974. Cotton condition good; 90% setting bolls; 100% 1974. Rains deterring insect control. Soybean condition good, 83% blooming. Peanut condition good but diseases beginning to show up. Hay harvesting virtually at a standstill. Pastures condition remains good.

**ALASKA:** Tanana Valley had wet week, below normal temperatures western two thirds, near normal eastern third. Matanuska Valley near normal precipitation, slightly warmer. Kenai Peninsula near normal temperatures although highs significantly warmer away from coasts. Rainfall significantly lower. Kodiak rainfall well below normal. Temperatures slightly above normal.

Maturity of oats, barley ranges from 100 percent turned to light dough and milk stage. Harvest of grain expected late August to early September first Matanuska Valley, mid-September Kenai Peninsula. Potato harvest began last week Palmer area. Ground moisture supply adequate, surplus in scattered areas.

**ARIZONA:** Moisture entered State August 7 and 8. Thundershowers heavy in mountains, Eastern Arizona, West received little rain. Temperatures above normal, many record highs tied or broken.

Cotton somewhat late, good progress. Boll sets good. Sorghum good progress. Early fields nearing maturity. Safflower nearing completion Yuma, full swing central. Sugarbeets fall harvest good progress. Alfalfa hay cutting active. Limited harvest chili Cochise. Green onions harvested Cochise. Land preparations Yuma fall plantings. Fall lettuce plantings underway Maricopa. Grapefruit, Valencia orange harvest complete. New fruit sizing well, lemon harvest expected mid-September. Ranges fair to good high mountain locations, mostly fair lower elevations. Desert regions poor. Cattle, calves mostly fair condition.

**ARKANSAS:** Temperatures for week below normal. Range from 7 to 3° below normal. Extremes 95 and 54°. Widespread rainfall throughout, heaviest over east half. Over 0.50 in. reported most stations.

Showers improved soil moisture helping crop development. Soil moisture adequate to surplus. All crops good condition. Fieldwork: 4.5 days. Cotton fruiting heavily, great number of large bolls. Fields reaching peak bloom. Few bolls opening earliest cotton. Rice crop headed, maturing rapidly. Additional fields drained for harvest. First field cut last week. Combining should increase after midmonth. Early soybeans growing rapidly, blooming heavily. Late beans grew vigorously. July plantings lack size. Corn for grain near maturity. Early sorghum nearing maturity. Regrowth summer grasses good. Hay harvest increased. Pastures good condition providing adequate forage. Grasslands need additional showers.

**CALIFORNIA:** No rain over State except few, iso-

lated thunderstorms southeast midweek. Temperatures generally above normal statewide, but a little below normal northwest, northeast. Largest southeast where daily highs about 115° several days. Middle Sacramento Valley average temperatures near to slightly below normal.

Cotton, dry beans, milo, rice and corn growth good. Small grain harvest almost complete Central Valley. Alfalfa, sugarbeet harvest continues. Alfalfa seed, safflower harvest underway. Cardinal grape harvest about complete Fresno County. Thompson seedless harvest increasing there as grapes meet soluble solids requirements. Final irrigation applied Thompson seedless for raisins. Applying controls for salt marsh caterpillars, omnivorous leaf rollers. Few early almond orchards harvested, most areas harvest in 2 to 3 weeks. Walnuts good progress, husk fly sprays being applied. Gravenstein apples being harvested. Prune harvest begun woodland area, other areas 2 or 3 weeks. Nectarine, peach, plum and Bartlett pear harvests active. Valencia orange, grapefruit and lemon harvest seasonally slow. Complex disease problem threatens large cherry acreage San Joaquin County. Task Force study results next week. Broccoli, cauliflower light Salinas. Cantaloup fast pace Firebaugh-Mendota. Carrot market poor Salinas. Celery moderate Salinas. Honeydews continue Sacramento and San Joaquin. Lettuce continues Salinas. Onions and potatoes good growth Tulalake-Butte Valley. Strawberry fields being prepared orange. Fresh market tomatoes active Anaheim. Canning tomato underway Fresno, starting shortly Madera. Watermelon continues Modesto and Stockton, price poor. Livestock good condition. Supplemental feeding where native feed short. Water diminishing foothills San Joaquin Valley. Sheep, cattle grazing grain stubble.

**COLORADO:** Temperatures normal to 4° above. High's 80's to 90's lower elevation, 70's to 80's mountains. High was 105° La Junta August 6-7. Precipitation sparse. Heaviest 0.30 to 0.40 in. Guffey, Monte Vista and Alamosa.

Corn height 70 in. tasseled 86%, 92% 1974, 89% average. Silked 61%, 75% 1974. Dry beans 60% flowered, 46% 1974. Sorghum 17% headed, 47% 1974. Sugarbeets late with good growth. All row crops good condition. Alfalfa 2d cutting 58% complete. Insect problem with spider mites on corn. Greenbugs on sorghum, grasshoppers on alfalfa. Ranges and pastures dry southeast, mostly good elsewhere. Livestock good condition.

**FLORIDA:** Considerable cloudiness in Panhandle with moderate to locally heavy precipitation, below normal temperatures. Partly cloudy skies, near normal temperatures over Peninsula. Rainfall averaged 1.00 to 2.00 in. Some locally heavy amounts 3.00 to 4.00 in.

Soil moisture excessive Panhandle, adequate elsewhere. Lowlands flooded. Wet fields prevented spraying. Disease on increase. Field corn harvest slowed. Peanuts hit hard by leafspot, white mold. Soybeans fair to good progress. Flue-cured tobacco harvest virtually complete. Haymaking interrupted by showers. Sugarcane, good growth. Grazing conditions good to excellent with some flooding in Panhandle. Cattle, calves, good condition. Citrus condition continues excellent. New crop fruit progressing well. Vegetable field

work shifting to fall plantings. Tomato plantings active most areas. Eggplant transplantings underway Ft. Pierce-Pompano area. Pepper seedings active southwest, Ft. Pierce-Pompano areas.

**GEORGIA:** Scattered showers daily occurrence western and northern portions of State. East and Southeast 0.50 in. or less. Other areas averaged 1.00 in. or more, locally 2.00 in. plus Western and Mountain Sections. Temperatures were 1 to 3° below normal from low 70° mountains to mostly upper 70° elsewhere. Light to moderate showers most areas weekend.

Soil moisture mostly surplus. Fieldwork hampered by daily showers: 2.0 days suitable. Corn mostly good to excellent, silage harvest well underway. Peanuts mostly good, all blooming, 99% pegging, white mold problem. Cotton fair to mostly good, 96% setting bolls, needs dry weather, insecticide applications between rains. Soybeans good. Tobacco 88% harvested, 90% 1974, 92% average. Watermelons 91% harvested. Pasture, cattle and hogs good. Hay fair to good, rains curtailing harvest.

**HAWAII:** Weather favorable to crop growth. Heavy irrigation and frequent spraying maintained fair to good crop progress. Some beneficial showers fell certain sections of Hamakua Coast Hawaii. Some relief for sugarcane crop and pastures but more rain needed. Vegetable supplies adequate. Melon production declining. Banana supplies moderate to heavy. Papaya production light. Pineapple harvesting gradually declining. Sugar harvesting steady.

**IDAHO:** Temperatures averaged 5° below normal. Highs in 90's, low 32 to 59°. Rainfall limited.

Warm, dry weather excellent crop growth. Grain harvest underway lower elevation dryland fields; 1 to 2 weeks before full harvest. Potato crop excellent progress. Winter wheat 10% harvested, 30% 1974. Spring wheat 20% ripe, 40% 1974. Potatoes 5% turning color, 20% 1974. Alfalfa 2d cutting 30% cut, 60% 1974. Range grasses good to excellent. Livestock good flesh, some pinkeye southwest.

**ILLINOIS:** Temperatures normal to 5° below. Precipitation 0 to .33 in., heavier rainfall extreme northwest, southeast sections 1.50 to 2.50 in.

Corn dough stage 80%, 28% 1974, average 48%; 30% dent stage, average 9%; condition 48% excellent, 47% good, 5% fair. Soybeans 88% setting pods, 32% 1974, average 46%. Condition 39% excellent, 58% good, 3% fair. All oats harvested, average 91%, alfalfa 2d cutting 95% harvested, 86% 1974, average 83%. Plowing winter wheat 40% complete. Pasture condition 16% excellent, 45% good, 31% fair, 8% poor. Soil moisture 39% short, 59% adequate, 2% surplus. Fieldwork: 6.0 days suitable.

**INDIANA:** Showers averaged 0.70 to 1.50 in., least in southeast. Temperatures 3° below normal and ranged from 60 to 90°. Humidity 5% above normal.

Fieldwork averaged 4.0 days. Topsoil and subsoil moisture mostly adequate. Corn 90% silked, 65% in 1974. Corn 55% in dough, 10% dented. Soybeans 70% setting pods, 30% in 1974. Wheat land 20% plowed, 15% in 1974, average 30%. Apples 15% picked. Peaches 40% picked. Alfalfa hay 85% cut 2d time. Pastures poor to mostly fair.

**IOWA:** Temperatures ranged just below normal extreme east, well above normal extreme southwest, State average 2° above. Northeast had record breaking low temperatures morning of the 7th readings in 40's. Spotty moderate to heavy rainfall fell with widely

scattered thunderstorms mainly on weekend. Rainfall continued deficient averaging at least 1/2 in. below normal this week, the 6th successive week below normal.

Generally hot, dry early in week. Rain over weekend, heaviest in northwest. Cool nights, heavy dew brought relief. Need rain to fill corn ears and bean pods. Corn condition variable, 24% poor, 60% fair, 16% good. Silage cut in light soils. Stress signs common. Corn silked, 63% in or past milk stage, 32% in or past dough stage, 33% 1974, 43% 5-year average. Soybeans generally better than corn. Soybean condition 18% poor, 52% fair, 30% good. All fields blooming. 77% of soybeans setting pods, 55% last year, 62% 5-year average. Pasture deteriorating, 81% poor, 17% fair, 2% good. Second cutting alfalfa nearly complete, regrowth short. Condition of hay 47% poor, 41% fair, 12% good.

**KANSAS:** Dry weather prevailed. Rain limited to few showers. Many eastern two-thirds counties no rain since June 24. Temperatures 3 to 5° above normal west and central, normal elsewhere.

Topsoil moisture critically short eastern two-thirds. Dryland crops continue decline. Non-irrigated corn firing, sorghum, soybeans show extreme stress. Sorghum acreage 35% headed, 30% last year, 40% average. Sorghum 5% colored. Corn 55% in dough stage, equals average. Corn 20% dented, 5% mature, both equal average. Soybeans 40% podding, 30% 1974, 50% average. Third crop of alfalfa hay 40% harvested, 45% 1974, average. Pastures and ranges very dry except in west. Ensiling of corn under way.

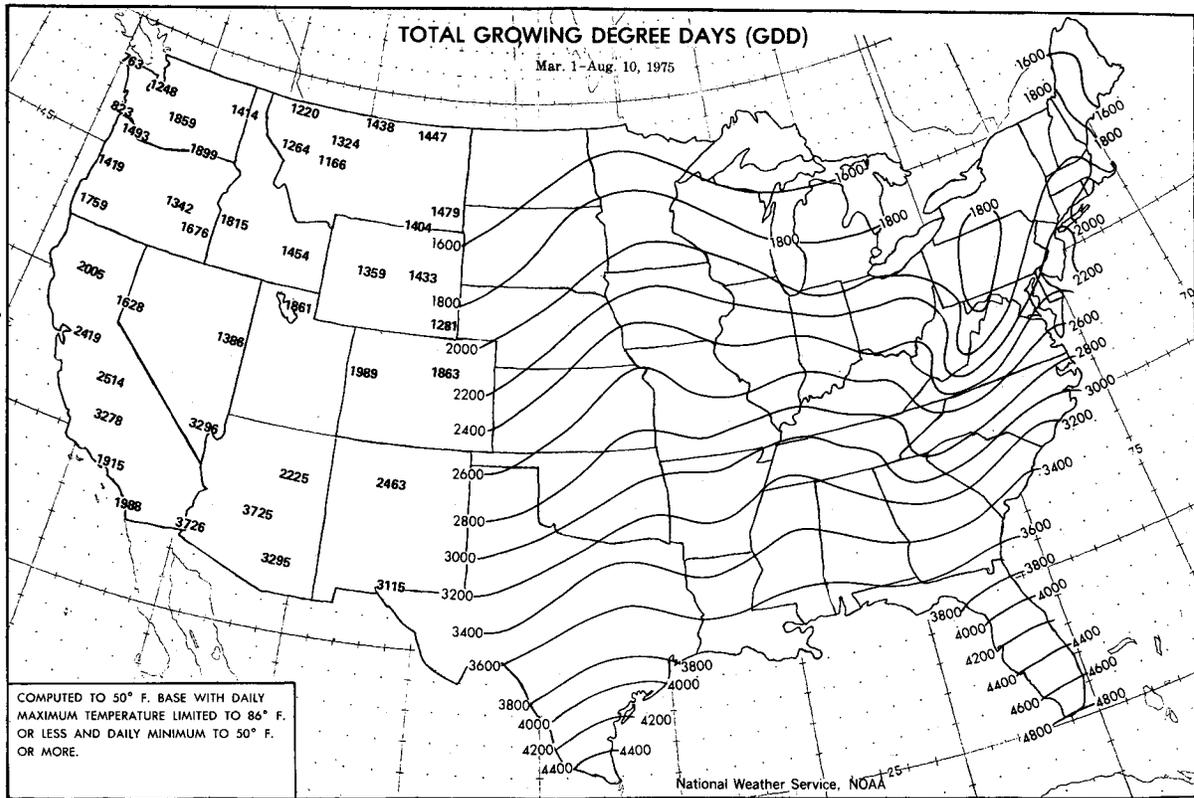
**KENTUCKY:** Rainfall occurred during first half of week and again at week's end. Rain varied from 0.02 in. at Lexington to 4.54 in. at Princeton. Temperatures averaged near normal; highs in 80's and lows in 60's.

Rains boosted crop conditions. Soil moisture improved; 30% short, 60% adequate, 10% surplus. Fieldwork: 4 days. Corn 41% milk or earlier stage, 41% dough and 18% dent, 1974 41% dough, 15% dent; average 37% dough, 15% dent. Soybeans podding rapidly; 47% podded, 39% 1974, 30% average. Tobacco improved but needs rain. Burley 13% topped, 4% 1974, 33% average. Pastures fair, looking better. Third crop alfalfa hay 39% cut.

**LOUISIANA:** Temperatures 4 to 6° below normal. Scattered thundershowers north. Thundershowers south. Rainfall totals 5.00 in. southeast. Temperature extremes; 93° Curtis, Homer, Shreveport, 63° Mamou.

Soil moisture adequate northwest, surplus elsewhere. Fieldwork: 4.1 days west, 0.7 day east, statewide 2.1 days. Soybeans fair to good. Late planted fields grassy. Early beans blooming and setting pods. Cotton mostly fair, 80% set bolls. Rice good; 10% harvested, 40% 1974, 15% average. Rains caused lodging. Some down rice sprouting. Corn mostly good. Light harvest where possible. Rains delaying maturity. Sorghum fair to good. Sugarcane growth excellent, condition good. Sweetpotatoes fair. Hay condition declined; showers hindered harvest. Pastures average. Cattle mostly good.

**MARYLAND AND DELAWARE:** Temperatures normal to 3° above. Highs from upper 80's to upper 90's. Lows ranged mid-40's to low 60's. Rainfall from 0.08 to 4.70 in. Heaviest amounts Eastern Shore during local thunderstorms. Corn crop 44% dough stage, 15% in dent stage; 56%, 14% 1974. Soybeans 50% bloomed, 23% podded;



57% and 18% 1974. Tobacco 10% harvested. Alfalfa 3d cut, 52% complete, 2d cut clover, and mixtures 82% complete. Vegetable harvest active; fresh market sweet corn 85% harvested, cantaloup 80%, Irish potatoes 85%, processing tomatoes 55%. Apple, peach harvests continue.

**MICHIGAN:** Temperatures 4 below normal to 2° above. Precipitation trace to 1.50 in. Fieldwork: 5.7 days. Corn virtually silked, 67% 1974: 30% in dough, 7% 1974. Soybeans 50% setting pods. Dry beans 60% setting pods. Wheat harvest virtually complete. Over half oats harvested, 41% 1974, 37% average. Potato digging 25% Saginaw Bay, 10% Detroit area. Second cutting hay 65% complete, 47% 1974, 49% normal. Pasture supplies below average to average. Tart cherry virtually complete. Summer apples, 65% southwest, 30% State. Cucumber harvest 50%, 20% 1974. Cabbage and sweet corn 40%. Cantaloup and snap bean, 33%. Tomatoes 20%. Soil moisture short to adequate.

**MINNESOTA:** A warm week, only minor rainfall most of major agricultural areas. Temperatures normal. Extremes: 96 and 39°. Rainfall averaged 0.40 in. east third of State, but only 0.10 in. elsewhere.

Corn and soybeans deteriorating with continued dry conditions during early grain forming stages. Corn 54% in milk and beyond, 1974 33%, average 40%. Soybeans 78% setting pods and beyond, 1974 65%, average 70%. Dry weather favorable for small grain harvest - but bushel weight light in several areas due to hot, dry July. Harvest well advanced except north where progress under way. Oats 54% combined, 1974 47%, average 45%; barley 49% combined 1974 36%, average 42%; spring wheat combining under way and 23% complete, 1974 20%,

average 21%. Soil moisture short except short to adequate in north.

**MISSISSIPPI:** Temperatures were below normal 5°. Extremes: 92 and 60°. Greatest 24-hour rainfall was 3.74 in. at Charleston on August 2d. Soil moisture is mostly surplus. Fieldwork: 1.8 days suitable. Cotton: 88% setting bolls, 90% 1974. Soybeans: 55% blooming, 51% 1974, 56% average; 31% podding, 28% 1974, 27% average. Corn: 90% tasseled, 92% 1974, 98% average. Rice: 9° headed. Sorghums: 56% headed. Watermelons 71% and hay crop 50% harvested. All crops in mostly fair to good condition.

**MISSOURI:** Temperatures ranged below normal: From 1° northwest Prairie to 6° Bootheel. Precipitation averaged 0.20 in. or less except for Bootheel with 2.40 in.

Dry conditions prevailed with soil moisture short throughout except Bootheel where supplies adequate to surplus. Moisture adequate few eastern and south central localities. Pastures mostly poor condition. Corn prospects declined with 57% poor, 35% week earlier. Remainder of crop, 34% fair, 8% good, 1% excellent. About 65% of acreage in or beyond dough stage, 51% 1974, 54% average. Soybean condition 25% poor, 49% fair, 25% good, 1% excellent. Acreage setting pods 52%, 27% 1974, 39% average. Cotton fair to good condition with nearly all acreage setting bolls.

**MONTANA:** Temperatures below normal. Precipitation above normal central, north central and northeast, elsewhere below. Frequent showers near midweek. Winter wheat harvest slow; 10%, 80% 1974. Spring grain harvest barley started. Spring wheat 10% ripe, 1974 65% ripe, normal 60%. Barley 20% ripe,

1974 80%, normal 50%. Oats 10% ripe, 1974 75%, normal 45%. Second cutting alfalfa 25% done. Wild hay 60% cut. Soil moisture adequate. Range feed supply adequate.

**NEBRASKA:** Temperatures below normal 5th and 6th; otherwise, above normal temperatures prevailed.

Topsoil moisture supplies 75% short, 25% adequate. Subsoil moisture supplies 80% short, 20% adequate. Topsoil 74% short 1974, subsoil 93% short. Irrigated corn condition 6% fair, 65% good, 29% excellent, over 95% corn silked, same as 1974. Dryland corn condition poor 14%, fair 47%, good 39%. Corn 90% silked, 75% 1974. Sorghum condition poor 5%, fair 44%, good 48%, excellent 3%. Over 80% headed, 60% 1974. Soybean condition 2% poor, 32% fair, 62% good, 4% excellent. Over 75% podded, 70% 1974. Alfalfa hay poor 12%, fair 40%, good 46%, excellent 2%. Over 20% 3d cutting harvested. Sugarbeets and dry beans looking good. Pasture and range feed supplies 54% short, 46% adequate.

**NEVADA:** Hot, dry with light winds. Temperature extremes: 35° Reno, 110° Las Vegas. No significant precipitation. Potatoes blossom stage or beyond. Small grain harvest extended north. Ranges showing effect hot, dry weather. Livestock gains about normal.

**NEW ENGLAND:** Substantial rains southern New England, northern regions remain dry.

Field corn starting dent stage. Aroostook Maine potatoes dry, show water stress. Precipitation last half week up to 3.00 in. southern, 2.00 in. central, much less northern areas. Most temperatures cooler. Tubers small, light yields expected. Blueberry, early apple harvests underway. Cranberries sizing well. Pastures generally short, but improving.

**NEW JERSEY:** Rain needed on light soils. High temperatures and humidity unfavorable for crop quality. Fall vegetable acreage planting continues. Some fall lettuce up 1 in. Processing tomato harvest increasing. Potato digging general. Peach supplies good, Blakes harvest beginning. Grain combining nearing completion. Second cutting hay about complete. Early corn, soybeans making good growth.

**NEW MEXICO:** Precipitation continued light for second consecutive week with only scattered points reporting more than 0.25 in. No rain in the southeast. Temperatures averaged near to about 3° warmer than normal with little day-to-day change.

Very little rainfall. Moisture short, adequate in southeast. Ranges fair to good, livestock good. Cotton mostly fair, all areas setting bolls, generally 2 weeks late. Alfalfa fair to good. Complete 2d cut north, start 4th cut south. Grain sorghum good, spraying some greenbug populations, crop heading well. Corn good, well advanced tasseling. Winter wheat and barley harvest finishing in later areas. Ground preparation for winter wheat; seed later this month. Apples poor to fair. Late onions excellent Las Cruces area - fair elsewhere. Safflower harvesting. Sunflower good to excellent.

**NEW YORK:** Average temperatures above normal northern, below central and southeast. Near normal elsewhere. Precipitation heavy interior Hudson Valley. Albany, Glens Falls over 3.50 in. Below normal elsewhere. Dry conditions continue St. Lawrence Valley. Cold front on 4th broke heat wave,

dropped maximum temperatures 10° from 3d, cool, cloudy and rain condition 6th, 7th, 8th. Clear skies, warmer weekend. Extremes: Albany, New York City, Massena 90°; Watertown 44°.

Soil moisture shortage persists northeast, northwestern counties bordering lake Ontario. Adequate elsewhere. Second cutting alfalfa 65% harvested, few areas begun 3d cutting. Wheat harvest complete some areas, 85% statewide. Yields good, considerable lodging. Rain aided Long Island potatoes. Upstate mostly good. Some harvest early fields underway. Onion harvest underway Elba Muck area. Crop ahead of normal. Heat lowered yield prospects. Orange County harvest continues. Cabbage looks good, some harvesting. Apple prospects good, early varieties available locally. Clapp's favorite pears being picked.

**NORTH CAROLINA:** Hot dry weather til midweek, then 10 to 15° cooler. Rainfall heavy in the mountains and the outer Coastal Plains.

Soil moisture short to adequate Mountains and Coastal Plains, adequate Piedmont. Days suitable fieldwork 4.2. Flue-cured and burley tobacco mostly fair to good. Flue-cured harvest 41% complete, 1974 43%, average 38%. Few sweetpotatoes dug. Haying operations active. Apples nearly 10% picked; 25% fair, 65% good, 10% excellent. Pasture, Irish potatoes, hay fair to mostly good. Soybeans, corn, cotton, peanuts, slightly improved, fair to mostly good.

**NORTH DAKOTA:** Temperatures throughout normal, 3° below normal north central, 1° above normal northwest, central, east central, southwest. Extremes: 99 and 44°. Precipitation ranged 0.55 in. below normal east central to 0.07 in. above normal northwest. Greatest weekly and daily precipitation Williston 0.79 in. 8th. Weekend temperatures near normal, spotted showers ranging from trace to 0.10 in. Pembina and Beulah.

Harvesting small grains progressing, about 9% hard spring wheat, 3% normal. Winter wheat 67%, 50% rye combined. Oats, barley 20% and 39% combined respectively. Crops, especially row crops, need rain to mature properly. Livestock generally good condition. Pastures needing rain.

**OHIO:** Warm beginning of week, then below normal temperatures 7th-8th. Range low 45°, high 90°. Scattered thundershowers 4th-6th. Greatest rainfall northeast 1.23 in., least east central 0.15 in. Fair dry weather 7th-9th.

Oats harvest virtually complete, 95% 1974, 90% normal; potatoes less than 20%, 15% 1974 and normal; Clover-Timothy second cutting 75%, 65% 1974, 60% normal; alfalfa hay 2d cutting 95%, 85% 1974, 80% normal. Corn 60% dough stage, 30% 1974, 35% normal, 10% dented but not hard, 5% 1974 and normal. Soybeans 30% pods set, 20% 1974, 25% normal. Fall plowing for wheat 15% complete, 10% 1974, 20% normal. Tobacco 10% topped, 10% 1974, 20% normal. Moisture supplies 24% short, 65% adequate, 11% surplus August 8. Central, east central remain dry. Crop stress relieved most other areas. Over 4.0 days favorable working conditions.

**OKLAHOMA:** Temperatures 1 to 5° below normal. Precipitation averaged 0.05 in. south central to 1.70 in. west central. Weekend hot with scattered rain southeast portion.

Field crop conditions mostly good, continue to decline. Rainfall sparse statewide. Plowing wheat acreages virtually complete. Corn 45% dented, 9% mature. Sorghums 72% headed, 84% 1974, dough stage 37%, 5% mature. Cotton acreage 95% squared, 28% setting bolls. Peanuts advancing well, 43% acreage spiking. Soybeans 76% blooming, 20% podding.

Alfalfa 3d cutting 57% complete, seed prospects declining. Range condition well above average, continues to decline.

OREGON: Warm and dry across State, scattered showers central Oregon, 0.10 in. northern coast. Temperatures 1 to 3° above normal. Maximums 90's east of Cascades, 80's Western Valleys.

Wheat 60% harvested. Grain harvest major farm activity. Grass seed harvest complete. Hay 2d cutting continues, 3d cutting starting. Mint, hops fair to good. Early mint harvest underway. Caneberry harvest continues. Cherries near completion. Peach, early apple harvest underway Willamette Valley. Filberts, walnuts sizing well. Harvesting cauliflower, broccoli, cucumbers, green peas, green beans, some sweet corn. Norgold potato harvest continues Hermiston. Ranges and pastures slightly above average, Cattle, calves good. Feed, water supplies adequate.

PENNSYLVANIA: Hot, humid early in week with showers and thunderstorms. Drier much cooler midweek into early weekend. Warmer and more humid 10th with thunderstorms west. Extremes: 97 and 38°. Weekly temperatures near normal southeast, 2 to 4° below elsewhere.

Rainfall highly variable 0.25 in. to over 2.00 in. Soil moisture adequate to short. Major activities combining oats and baling straw, harvesting of early potatoes, apples, peaches, tomatoes, sweet corn, tobacco, fall plowing. Oats combined 69%, a week ahead of 1974. Potatoes 6% dug, same as 1974. Corn for grain 22% in dough, 59% in silk. Corn silage 5% harvested, alfalfa hay 2d cut 72%, 3d cut 14%, Clo-Tim 2d cut 37%. Quality of hay made mostly good to somewhat fair, better than last 2 years to date. Fall plowing 6%, mostly south. Pastures dry, providing average to below average amounts.

PUERTO RICO: Island average rainfall 1.00 in., 0.64 in. below normal. Highest weekly total 4.19 in., Utuado, 3.03 in. Pico Del Esteluzillo. Highest daily total 1.85 in. Toa Baja. Temperatures averaged about 81 to 82° on coasts, 76 to 77° interior. Highest maximum 96°, lowest minimum 57°.

Rainshowers favored development of sugarcane ratoons and new plantings. Some south coastal and northern coastal areas have been affected by dry weather. Field operations continued. Rainshowers over western interior helped recuperation of coffee shrubs. Other sections reported lack of rain hindered bean formation. No activity reported to tobacco zones. Pasture scarcity reported south coastal, recuperation noted other sections due recent rains. Planting fertilizing, cultivating reported. Favorable weather for food crops although more rains needed for development. Planting, cultivating activities reported.

SOUTH CAROLINA: Temperatures during week slightly below normal, above normal early below late week. Rainfall excessive south coast, below normal northeastern, northwestern areas.

Tobacco condition remaining for harvest fair to good; 76% harvested, 85% 1974, 78% average. Cotton bollworm problem continues, 91% setting bolls, 96% 1974, 92% average. Corn condition good, 86% dough stage, 54% mature. Harvest late peach varieties active, mostly in Piedmont, 90% harvested, 94% 1974, 88% average.

SOUTH DAKOTA: Temperatures averaged 3° below to 4° above normal. Extremes: 44° Ralph, 109° Oelrichs 7th. Precipitation received ranged from none east to 1.11 in. west. Precipitation departure from normal for growing season ranges from

minus 6.01 in. northeast to plus 3.68 in. northwest.

Small grain harvest nearly complete. Rye 98% harvested, 1974 100%, normal 96%. Spring wheat 75% harvested, 1974 92%, normal 69%. Oats 89% harvested, 1974 94%, normal 84%. Barley 91% harvested, 1974 97%, normal 89%. Flaxseed 65% ripe, 1974 73%, normal 52%. Flaxseed 22% harvested, 1974 43%, normal 20%. Corn 82% silked, 95% tasseled. Two-thirds not yet reached milk stage. Corn 6% dough stage, 1974 7%. Corn crop 44% too far advanced to benefit from the recent rains. Soybeans 76% podded, 1974 85%, normal 71%. Sorghum 44% headed, 1974 48%, normal 54%. Pastures generally adequate except south central, southeast where growth is slow.

TENNESSEE: Moderate to heavy rain in central and east on August 4 through 6; amounts ranging from 1.50 to 4.00 in. Temperatures 4° below normal in west and central, 2° below in east.

All crop prospects improved by rains. Too late for early corn to recover. Late corn will soon need more. Corn in dough stage 61%, 1974 45%, normal 64%. Dented 28%, 1974 20%, normal 39%. Soybeans good to excellent. Setting pods 29%, 1974 14%, normal 25%. Tobacco poor condition, topped 25%, 1974 and normal 38%. Cotton boll weevils and worms numerous. Cotton setting bolls 85%, 1974 68%, average 82%.

TEXAS: Precipitation confined mainly south and east; remainder State mostly fair, few widely scattered thundershowers. Winds light variable eastern half; southwesterly winds prevailed west, temperatures 3 to 7° below normal over State.

Cotton, corn, sorghum, peanut harvest making satisfactory progress southern half. Rice harvest along Upper Gulf Coast on schedule last year. Crop prospects generally good. Sunflower harvest to start High, Low Plains near future prospects generally satisfactory. Rains Coastal Bend, Lower Rio Grande Valley delayed cotton harvest, caused loss yield potential. Blacklands South Central cotton opening rapidly, ready for harvest near future. High, Low Plains, insects causing moderate to heavy damage, control measures necessary most localities. Many stands fruiting heavily, crop prospects good. Corn harvest rapidly nearing completion Coastal Bend, Lower Rio Grande Valley, just started South Central, Blacklands. High Plains, corn making excellent progress, insect problems have developed, control measures necessary. Rains delayed completion sorghum harvest upper Gulf Coast, Coastal Bend, Upper Rio Grande Valley. Blacklands, South Central harvest moving along at steady pace, high moisture content caused some problems. South Central yields turning out lower than expected. High, Low Plains sorghum making excellent progress, adequate moisture reduced necessity irrigating. Insect problems developed, farmers spraying for control. Peanuts making excellent growth across State where moisture is adequate to surplus. Some leaf spot disease showing Cross Timbers, Lower Plains, farmers spraying for control. Crop prospects generally good. Major crop percent harvested: Cotton 1975 3, 1974 5, average 4; corn 1975 7, 1974 22, average 15; sorghum 1975 42, 1974 43, average 41; peanuts 1975 3, 1974 3, average 7; rice 1975 40, 1974 49, average 45. Commercial vegetable harvest continues. High Plains: Few onions remain for harvest. Potato, cucumber harvest continues. Trans-Pecos: Cabbage harvest completed. Cantaloup harvest full swing. Onion harvest near completion. North: Harvesting peas, tomatoes, okra, squash, watermelons. Some heavy insect infestation. East: Harvesting squash, cucumber, peas, watermelons. Central: Hot weather

bringing gardens to close. Watermelon harvest continues. Upper Coast: Most vegetables harvested, some watermelons remain. Coastal Bend and San Antonio-Winter Garden: Land preparation fall vegetables. Lower Rio Grande Valley: Rains delayed fieldwork. Some cucumbers remain. Peaches harvest near completion north, east. Pecans Blscklands area suffering from walnut caterpillars, yellow aphids. Infestations fall webworms south. Citrus excellent condition crop. Ranges and pastures continue hold up well across State, furnishing good grazing. Some pastures turning brown east, Edwards Plateau where moisture getting short. Condition livestock well above average most areas for time of year. Hay harvest moving ahead as weather conditions permit, but scattered rains delayed curing, some spoilage has occurred. Fall shearing sheep, goats gaining momentum Edwards Plateau. Confirmed screwworm cases show up Tran-Pecos.

UTAH: Few isolated showers and thunderstorms for part of period and again over weekend. Southeast section accumulated amounts of moisture generally very light. Average temperatures for period ranged from 4° below normal to 5° above.

About 25% winter wheat harvested. Spring wheat, oats, and barley about 15%. Second crop alfalfa hay reached halfway mark, other hay 71% harvested. Short apricot harvest nearing completion. Tart cherries about 50%. Most late spring planted crops 3 weeks behind schedule but progressing. Livestock and rangelands now in use in good condition.

VIRGINIA: Temperatures averaged a little above normal. Hot in early week becoming cooler. Highest 98°, lowest 48°. Showers, thunderstorms 5th to 7th. Greatest amount 3.02 in., least 0.18 in.

Fieldwork: 4.1 days suitable. Topsoil moisture 75% adequate, 19% short, 6% surplus. Field-crop conditions improved. Pasture, hay conditions slight decrease. Corn prospects excellent. Corn silage harvest started. Early soybeans full bloom, late planted fields making good growth. Flue-cured tobacco harvest 14% complete, 1974 15%. Recent rains should improve upper leaf quality. Fire-cured 2% harvested, 1974 2%. Some burley areas need rain. Peanuts received pesticides to control diseases, insects, weeds. Peach quality good, early apple harvest continues.

WASHINGTON: West: Temperatures 1 to 2° below normal. Precipitation about normal.

Raspberry harvest continues. Blueberry picking full swing. Green pea, cucumber, vegetable seed harvests continue. Broccoli, bush bean picking underway. Baling pea vines and other haying activities continued.

East: Temperatures normal to 4° below normal. No precipitation 0.10 to 0.30 in. below normal.

Cherry harvest completed. Apricot, peach harvests continue. Sweet corn, mint harvests continue. Picking fresh market tomatoes, melons underway. Potato harvest active, processing operations begun. Wheat harvest full swing. Grass seed harvest nearly complete. Dry pea harvest continues. Lentil harvest started.

WEST VIRGINIA: Temperatures near normal; high 97° Moorehead, low 35° Canaan Valley. Precipitation near normal northwest, north central, and southwest; above normal elsewhere.

Favorable work days 4.4. Soil moisture 52% short, 45% adequate, and 3% surplus. Second cutting of hay 38% complete. Wheat 93% and oats 74% harvested. Potatoes 17% dug. Hay and corn in fair to good condition. Pasture and tobacco in mostly fair condition. Corn 26% pre-silked, 49% silked, and 25% dough stage. Pastures are beginning to dry. Second cutting of hay is short to normal. Livestock generally good condition, several reports of pink-eye.

WISCONSIN: Temperatures near normal. Warm temperatures early in week. Cooling at midweek. Some frost in cranberry bog area 6th and 7th. Showers early and late in week with isolated areas receiving over 1 in., but most areas averaging less than 0.50 in.

Small grain harvest good progress. Oats 30% combined, 1974 30%, normal 40%. Oats yields variable. Second crop hay 60% harvested, 1974 50%, normal 40%. Quality very good. Some green chopped to supplement deteriorated pastures. Corn on lighter soils under severe stress. Some in silo. Scattered rains helped corn on heavier soils. Irrigated vegetables fair to good. Sweet corn yields below normal. Soil moisture 92% short, 8% adequate.

WYOMING: Warm dry weather. Temperatures slightly below normal. Precipitation sparse, only six stations reporting measurable amounts. Hot temperatures widespread.

Harvest spring grains underway. Combining winter wheat advancing, percent harvested: Winter wheat 60%, spring wheat 15%, barley 14%, oats 9%. Row crop conditions good, heavy irrigation continuing. Corn 53% tasseled, 42% silked. Percent bloom stage: Dry beans 87%, potatoes 85%. Progress haying: Alfalfa 1st cutting 95% completed, 2d cutting 31% completed. Soil moisture becoming increasingly short. Although condition ranges and pastures still fair to good, condition livestock good. Fall and winter grazing prospects fair to good.

**CORN AND SOYBEAN PROSPECTS**

The latest review of 1975 crop prospects points toward production gains for all major commodities except cotton.

The August situation evaluation by the Department of Agriculture's Crop Reporting Board indicates a record corn crop of 5.85 billion bushels, 3 percent short of the forecast made last month, but 26 percent over the 1974 level. The reduction from July was attributed to dry weather in the Midwest, principally Iowa, Missouri, and South Dakota, where yields slipped 15, 13, and 10 bushels per acre, respectively.

This year's sorghum crop is expected to move ahead 29 percent from 1974 and hit 811 million.

Total feed grain production, that's the combined output of corn, oats, barley, and sorghum, is estimated at 207 million short tons, 25 percent more than last year.

The season's first view of soybeans puts the crop at nearly 1.5 billion bushels, up 18 percent from 1974 and the second largest on the books.

The cotton crop is expected to tumble 18 percent below last season's harvest to 9.4 million bales. Although yields are likely to be better, acreage is off sharply.

Oilseed production, including soybeans, cottonseed, peanuts, and flaxseed, is forecast at 50 million short tons, an increase of 14 percent.

The gain in soybeans, a record large crop of peanuts, and the sharp increase expected for flaxseed more than offset the softening in cotton prospects.

A look at food grain output finds an expected harvest of 71 million short tons, topping last year by 18 percent. This upswing is accounted for by more wheat and rice overcoming a slight downturn for rye. The wheat harvest is aiming toward a record level of more than 2.1 billion bushels, a shade under the July expectation, but still 19 percent ahead of 1974. The Durum crop declined 6 percent in the past month and other spring wheat dropped 9 percent, but the major winter crop changed little.

The tobacco forecast calls for 2.2 billion pounds, 12 percent ahead of last season. The flue-cured crop is expected to expand 17 percent, which would make it the largest produced in two decades.

Sugarbeet prospects, over 28 million short tons, are up 27 percent from the previous year. Sugar-cane is forecast at 28.5 million short tons, ahead of 1974 by 14 percent.

The Crop Reporting Board summarized current prospects by saying that their index gauging all crops together had a reading of 122, 12 points over last season, and the highest of record.



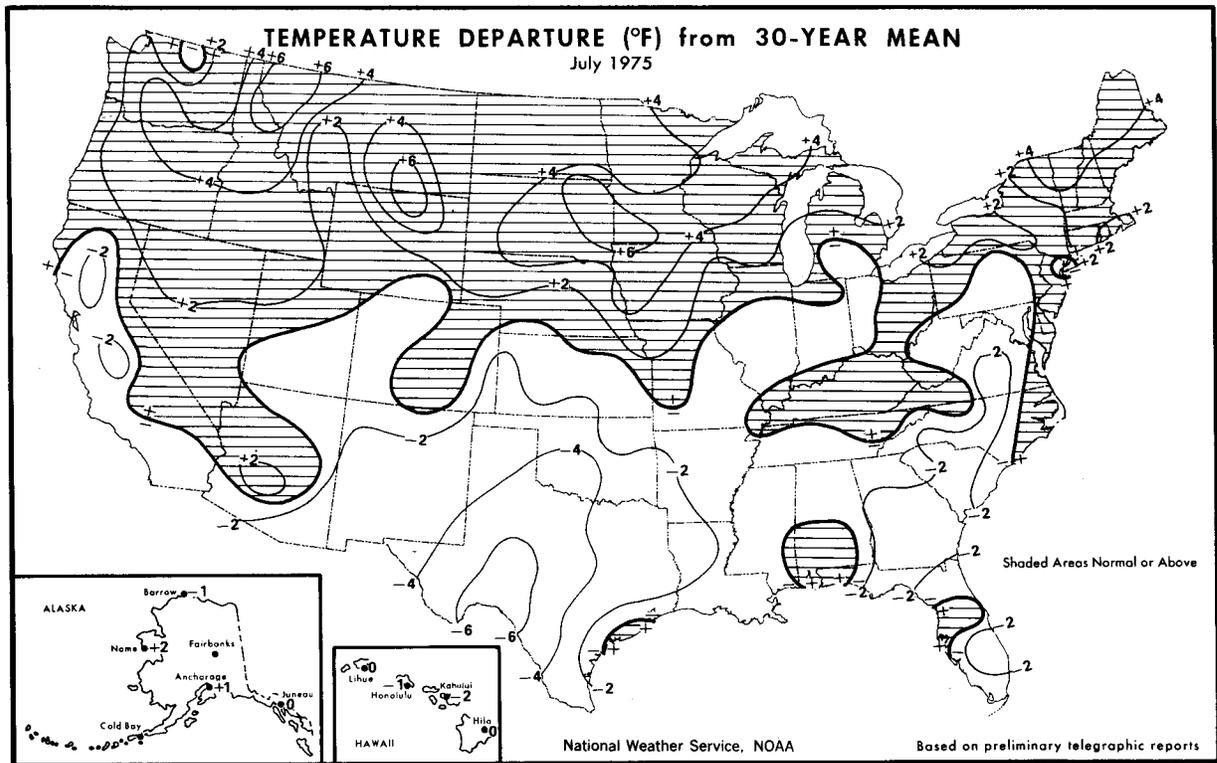
**CORN FOR GRAIN**

STATE	1974	1975 <sup>1/</sup>	Pct of last yr
	-----In 1,000 bu-----		
Ill.	830,830	1,160,850	140
Ind.	387,660	560,000	144
Iowa	948,000	1,092,000	115
Kans.	131,480	143,520	109
Mich.	110,410	141,960	129
Minn.	359,900	501,840	139
Mo.	149,050	198,000	133
Nebr.	380,800	514,800	135
Ohio	266,450	315,000	118
Wis.	154,360	206,800	134
U. S.	4,651,167	5,849,662	126

**SOYBEANS FOR BEANS**

	-----In 1,000 bu-----		
Ark.	86,000	102,300	119
Ill.	207,515	286,650	138
Ind.	97,750	116,160	119
Iowa	199,080	215,450	108
Minn.	84,840	88,080	104
Miss.	46,713	64,680	138
Mo.	95,700	115,700	121
Ohio	79,750	94,500	118
U. S.	1,233,425	1,457,672	118

<sup>1/</sup>As of August 1.



### JULY WEATHER SUMMARY

**HIGHLIGHTS:** Extreme dryness or wetness in July was the rule rather than the exception. The central and northern Great Plains and the western Corn Belt were unusually dry and warm. The southern Great Plains, Southeast, and Atlantic Coast States had well above normal precipitation and below normal temperatures.

Del Rio, Tex. had its wettest July on record with 8.26 in. of rainfall, 7.24 in. above normal. Glasgow, Mont. received 4.18 in. for its 2d wettest July on record. Des Moines, Iowa, with 0.44 in. during the month, was the driest it has been since July 1947, and Minneapolis-St. Paul, with 0.58 in., the driest since 1937. Wichita, Kans. broke last year's record low rainfall of 0.09 in., with only 0.05 in. this July.

**PRECIPITATION:** The month began with serious flooding in the Red River Valley of the North, and rains continued into early July. A flash flood roared through Las Vegas, Nev. on the 3d, causing the death of two people and an estimated million dollars in property damage. Warm, muggy weather dominated most of the northern and central States.

Rain fell nearly everywhere in the United States in the second week of July, but heaviest amounts fell along the East Coast and in the Gulf Coast States. Unusual thunderstorm activity also occurred in the Pacific Northwest. Heavy storms developed in many of the Atlantic and Gulf Coast States on the 7th and 8th. Northeast Louisiana had a record rainfall of more than 10.00 in. within 12 hours. The storm system moved slowly and later in the week brought violent weather to the Atlantic Coast. Flash floods were reported from North Carolina to New England.

Heavy rain continued along the Atlantic Coast into the third week of July. Parts of central New Jersey received 4.00 to 5.00 in. in less than 6 hours. Record flooding occurred throughout the Trenton, N.J. area, where the Millstone River rose to a record 8 feet above flood stage.

Precipitation was focused mainly on the Southeast during the fourth week of July. Violent storms lashed the Central Plains and middle Mississippi Valley. Illinois suffered the greatest damage when 85 mph winds struck Peoria and a tornado at Canton took five lives.

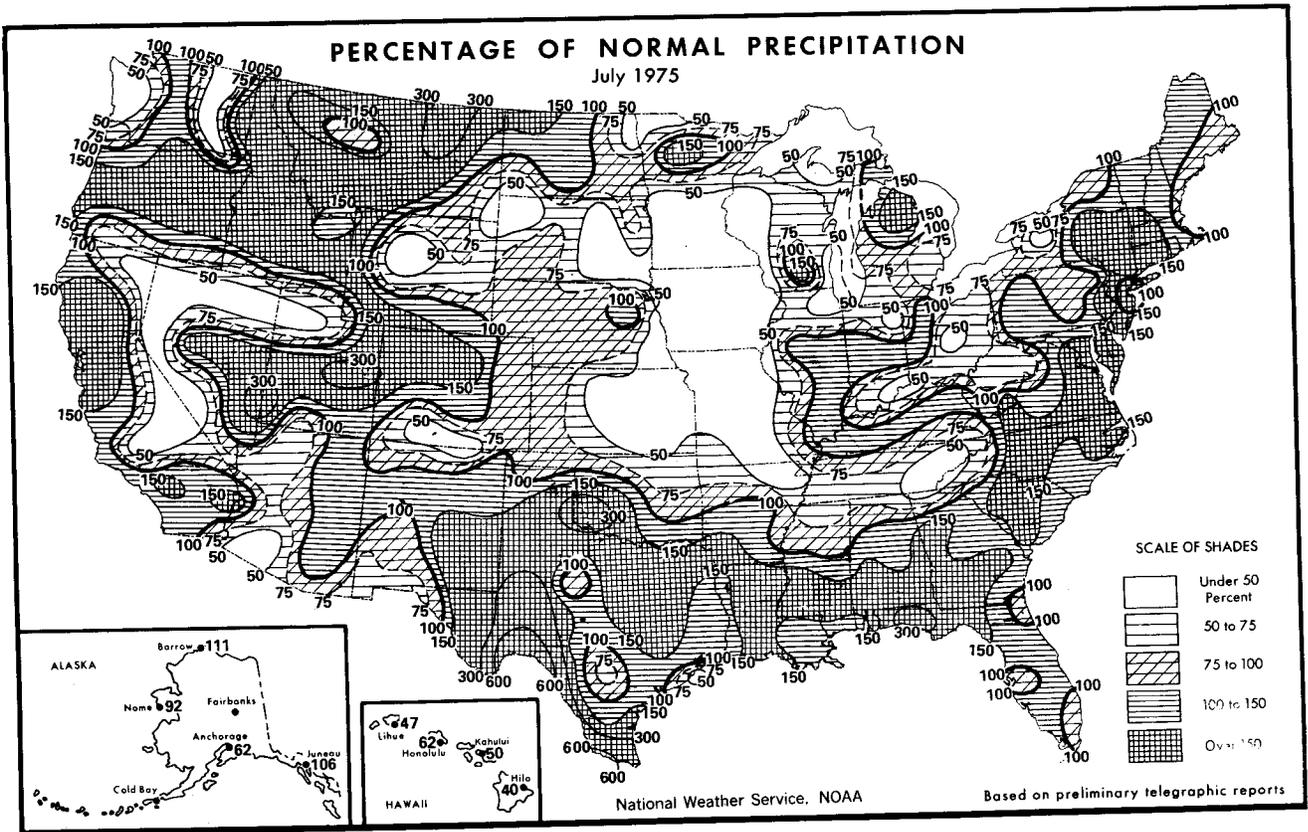
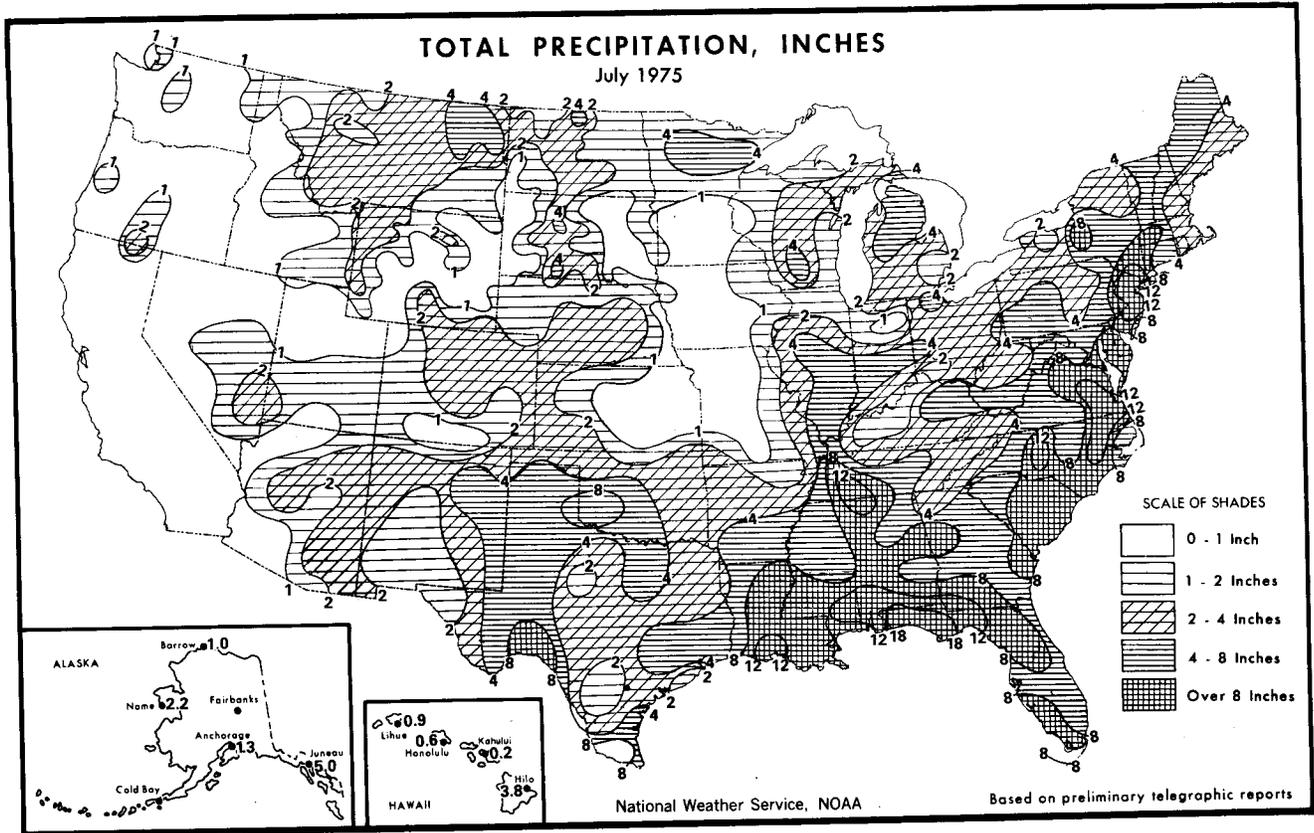
At the end of the month, a tropical depression dumped heavy rains along the Gulf Coast, covering parts of Florida, Georgia, Alabama, Mississippi, and Louisiana. These areas received more than 12.00 in. over the entire month.

**TEMPERATURE:** The northern half of the Nation was generally warmer than normal in July, while the Southern States averaged below normal readings.

Average temperatures during the first week of July showed most of the Nation to be above normal. California, Texas, Oklahoma, Louisiana, and the East Coast from New England to Georgia were below normal.

Most of the Nation east of the Continental Divide cooled to well below normal temperatures during the second week. Record low temperatures were set on the 13th in many parts of the Midwest: Rochester, Minn., 43°; Peoria, Ill., 48°; and Waco, Tex., 63°. West of the Divide, however, Walla Walla, Wash. climbed to 113°.

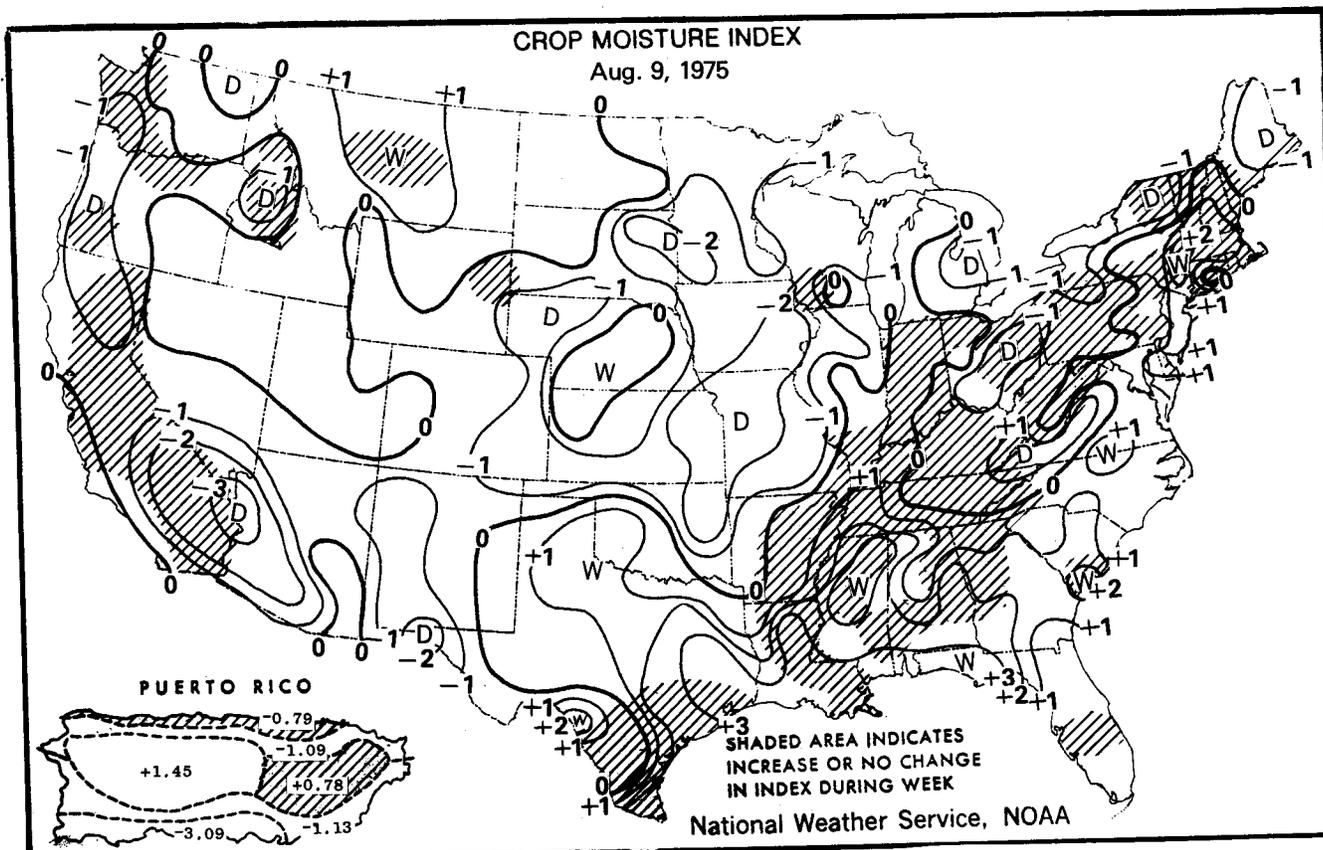
As the month closed, temperatures were above normal over most of the Country.



Temperature and Precipitation Data for July 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	-1	7.3	+2.1	La. Baton Rouge . . .	81	-1	9.3	+2.8	Youngstown . . .	71	0	2.4	-1.5
Mobile . . .	82	0	11.8	+2.9	Lake Charles . . .	81	-1	7.0	+ .4	OKLA. Okla. City . . .	78	-4	7.7	+5.0
Montgomery . . .	81	0	7.6	+2.5	New Orleans . . .	80	-2	8.4	+1.7	Tulsa . . .	81	-1	2.1	-1.4
ALASKA Anchorage . . .	59	+1	1.3	- .8	Shreveport . . .	81	-2	3.5	+ .6	OREG. Astoria . . .	61	+1	2	- .8
Barrow . . .	38	-1	1.0	+ .1	MAINE Caribou . . .	69	+4	4.3	+ .3	Burns . . .	71	+3	.6	+ .3
Fairbanks . . .	56	0	5.0	+ .3	Portland . . .	70	+2	2.1	- .5	Medford . . .	72	+0	.2	- .1
Juneau . . .	52	+2	2.2	- .2	MD. Baltimore . . .	76	-1	7.2	+3.1	Pendleton . . .	78	+4	.7	+ .4
Kodiak . . .	52	+2	2.2	- .2	MASS. Boston . . .	76	+3	2.4	- .3	Portland . . .	69	+2	4	- .1
Nome . . .	66	0	2.2	- .3	Chatham . . .	69	-	3.2	-	Salem . . .	67	+0	.5	+ .1
ARIZ. Flagstaff . . .	94	+3	.4	- .4	MICH. Alpena . . .	69	+3	7.2	+4.7	PA. Allentown . . .	74	0	7.7	+3.3
Phoenix . . .	84	-2	2.4	0	Detroit . . .	72	0	2.0	-1.1	Erie . . .	72	+3	3.2	- .3
Tucson . . .	78	0	1.3	+ .1	Flint . . .	71	+1	1.9	-1.1	Harrisburg . . .	75	-1	3.1	- .6
Winslow . . .	93	-1	1	- .1	Grand Rapids . . .	71	-1	2.3	- .8	Philadelphia . . .	77	0	6.3	+2.2
Yuma . . .	80	-2	2.5	- .7	Houghton Lake . . .	68	+2	5.0	+1.9	Pittsburgh . . .	73	+1	4.4	+ .6
ARK. Fort Smith . . .	80	-1	4.0	+ .6	Lansing . . .	71	0	2.5	- .3	Scranton . . .	74	+1	3.9	- .4
Little Rock . . .	84	0	0	0	Marquette . . .	70	+4	1.1	-2.0	R.I. Providence . . .	73	+1	3.5	+ .6
CALIF. Bakersfield . . .	57	+1	.1	0	Muskegon . . .	71	+1	2.1	- .4	S.C. Charleston . . .	79	-1	9.3	+1.1
Eureka . . .	78	-3	T	0	S. Ste. Marie . . .	66	+2	3.6	+1.0	Columbia . . .	79	-2	9.9	+4.2
Fresno . . .	73	0	T	0	MINN. Duluth . . .	69	+3	2.3	-1.4	Greenville . . .	77	-1	4.8	+ .6
Los Angeles . . .	80	-2	.3	+ .3	Internatl Falls . . .	70	+4	2.0	-2.0	S.D. Aberdeen . . .	78	+6	.3	-2.4
Red Bluff . . .	69	-1	T	0	Minneapolis . . .	76	+4	.6	-3.1	Huron . . .	79	+5	.5	-1.7
San Diego . . .	62	-1	T	+ .1	Rochester . . .	75	+5	1.0	-2.7	Rapid City . . .	75	+2	1.6	- .5
San Francisco . . .	76	-1	T	0	St. Cloud . . .	73	+3	.2	-3.0	Sioux Falls . . .	79	+6	.6	-2.3
Stockton . . .	73	0	2.8	+1.0	MISS. Jackson . . .	81	-1	9.8	+5.5	TENN. Chattanooga . . .	78	-1	2.2	-2.9
COLO. Denver . . .	77	+1	1.4	+ .9	Meridian . . .	81	0	6.8	+1.7	Knoxville . . .	78	0	2.3	-2.4
Grand Junction . . .	76	+2	2.2	+ .3	MO. Columbia . . .	76	-1	.6	-2.8	Memphis . . .	81	-1	2.3	-1.2
Pueblo . . .	76	+2	6.5	+3.1	Kansas City . . .	81	+2	.3	-4.1	Nashville . . .	79	-1	3.0	- .8
CONN. Bridgeport . . .	76	+2	6.1	+2.7	St. Louis . . .	78	-1	2.6	-1.1	TEX. Abilene . . .	80	-4	1.9	- .4
Hartford . . .	79	0	7.2	+3.1	Springfield . . .	78	0	1.9	-1.7	Amarillo . . .	76	-3	5.2	+2.2
D.C. Washington . . .	79	-2	18.0	+10.0	MONT. Billings . . .	77	+5	2.6	+1.7	Austin . . .	82	-3	2.3	+ .4
FLA. Apalachicola . . .	81	0	6.9	+ .2	Glasgow . . .	73	+2	4.2	+2.8	Beaumont . . .	81	-2	7.6	+1.7
Daytona Beach . . .	82	-1	10.8	+1.9	Great Falls . . .	72	+3	1.2	- .1	Brownsville . . .	82	-2	4.8	+3.6
Ft. Myers . . .	80	-1	6.4	-1.0	Havre . . .	73	+3	3.0	+1.6	Corpus Christi . . .	84	-1	4.1	+2.2
Jacksonville . . .	84	-1	4.2	+ .1	Helena . . .	69	+1	3.8	+2.8	Del Rio . . .	81	-6	8.3	+7.3
Key West . . .	80	-2	6.2	-1.9	Kalispell . . .	70	+6	1.0	0	El Paso . . .	80	-2	1.1	- .4
Lakeland . . .	81	-1	5.0	-1.9	Miles City . . .	77	+3	1.7	+ .1	Fort Worth . . .	84	-1	5.1	+3.3
Miami . . .	81	0	9.3	+1.0	Missoula . . .	77	+5	1.5	+ .6	Galveston . . .	84	+1	1.3	-3.1
Orlando . . .	79	-2	17.5	+8.6	NEBR. Grand Island . . .	72	+1	2.4	- .6	Houston . . .	82	-1	5.5	+1.4
Tallahassee . . .	84	+2	6.7	-1.7	Lincoln . . .	79	+2	1.6	-1.7	Lubbock . . .	75	-5	4.3	+2.1
Tampa . . .	76	-2	5.7	- .8	Norfolk . . .	78	+2	3.4	+ .2	Midland . . .	78	-4	7.7	+5.9
W. Palm Beach . . .	78	-2	8.5	+3.6	N. Platte . . .	75	+1	2.5	- .5	San Angelo . . .	79	-6	2.7	+1.5
GA. Atlanta . . .	78	-2	5.3	+ .2	Omaha . . .	79	+4	.5	-3.2	San Antonio . . .	81	-4	1.1	- .6
Augusta . . .	78	-2	5.8	+1.3	Valentine . . .	78	+4	1.8	- .7	Victoria . . .	84	0	3.7	+ .9
Macon . . .	75	-3	11.6	+3.7	NEV. Ely . . .	68	+1	1.0	+ .4	Waco . . .	82	-4	2.6	+1.3
Savannah . . .	78	0	3.8	-5.7	Las Vegas . . .	90	0	.3	- .1	Wichita Falls . . .	82	-4	3.4	+1.2
HAWAII. Hilo . . .	79	-1	.4	- .2	Reno . . .	70	+1	T	- .3	UTAH. Blanding . . .	71	-2	1.1	+ .1
Honolulu . . .	76	-2	.2	- .2	Winnemucca . . .	74	+3	1	- .1	Salt Lake City . . .	79	+2	.3	- .4
Kahului . . .	78	0	.9	-1.0	N.H. Concord . . .	73	+3	3.7	+ .6	VT. Burlington . . .	75	+5	3.8	+ .3
Lihue . . .	78	+3	.8	+ .6	N.J. Atlantic City . . .	75	0	6.0	+1.6	VA. Lynchburg . . .	74	-2	4.4	+ .3
IDAHO. Boise . . .	78	+5	.7	+ .2	Trenton . . .	76	0	13.4	+8.7	Norfolk . . .	79	+1	13.7	+8.0
Lewiston . . .	74	+2	1.6	+1.2	N.MEX. Albuquerque . . .	77	-2	1.4	0	Richmond . . .	76	-2	12.3	+6.7
Pocatello . . .	81	0	4.8	+1.6	Roswell . . .	77	-2	2.8	+1.1	Roanoke . . .	75	0	5.2	+1.5
ILL. Cairo . . .	76	+1	1.5	-2.6	N.Y. Albany . . .	73	+1	7.0	+3.9	WASH. Colville . . .	71	+3	.3	- .4
Chicago . . .	75	0	2.7	-1.9	Binghamton . . .	73	+4	6.1	+2.3	Omak . . .	68	-2	.3	- .2
Moline . . .	74	-1	4.3	- .5	Buffalo . . .	72	+2	2.3	- .6	Quillayute . . .	59	0	.4	-2.0
Peoria . . .	73	0	1.3	-3.0	New York . . .	76	-1	12.3	+8.4	Seattle-Tacoma . . .	68	+3	.3	- .4
Rockford . . .	75	-1	2.7	-1.1	Rochester . . .	73	+2	1.2	-1.7	Spokane . . .	72	+2	1.6	+1.2
Springfield . . .	78	0	3.1	- .7	Syracuse . . .	72	0	9.3	+6.2	Walla Walla . . .	78	+2	T	- .3
IND. Evansville . . .	73	0	.8	-3.1	N.C. Asheville . . .	72	-2	3.3	-1.6	Yakima . . .	75	+4	.2	0
Ft. Wayne . . .	74	-1	4.6	+ .9	Charlotte . . .	76	-3	7.6	+3.0	W. Va. Beckley . . .	70	0	7.3	+2.9
Indianapolis . . .	72	0	2.6	-1.1	Greensboro . . .	77	0	12.4	+8.0	Charleston . . .	74	-1	2.7	-2.3
South Bend . . .	75	0	1.8	-2.0	Hatteras . . .	78	0	6.7	+ .8	Huntington . . .	75	0	4.6	+ .4
IOWA. Burlington . . .	78	+3	.4	-2.9	Raleigh . . .	76	-2	6.7	+1.6	Parkersburg . . .	74	-1	2.3	-2.0
Des Moines . . .	72	0	1.2	-3.1	Wilmington . . .	80	0	9.8	+1.5	WIS. Green Bay . . .	71	+2	1.8	-1.3
Dubuque . . .	76	+1	1.6	-1.7	N.DAK. Bismarck . . .	73	+2	2.6	+ .4	La Crosse . . .	75	+2	1.4	-2.1
Sioux City . . .	79	+1	1.6	-1.7	Fargo . . .	74	+3	2.4	- .8	Madison . . .	72	+2	6.1	+2.3
KANS. Concordia . . .	78	-1	2.2	- .9	Williston . . .	73	+3	2.4	+ .4	Milwaukee . . .	72	+2	1.1	-2.3
Dodge City . . .	74	-2	2.4	- .3	OHIO. Akron-Canton . . .	73	+1	2.2	-1.6	Cincinnati . . .	75	-1	1.6	-2.5
Goodland . . .	77	-1	.7	-3.5	Cleveland . . .	71	0	2.5	-1.0	Columbus . . .	75	+1	2.0	-2.2
Topeka . . .	79	-2	1	-4.3	Columbus . . .	75	+1	2	-2.0	Dayton . . .	73	-2	5.5	+2.0
Wichita . . .	76	0	5.6	+ .8	Toledo . . .	71	-1	5.0	+1.8					
KY. Lexington . . .	78	+1	1.9	-1.9										
Louisville . . .														

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

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

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.

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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