

Weekly Weather & Crop Bulletin

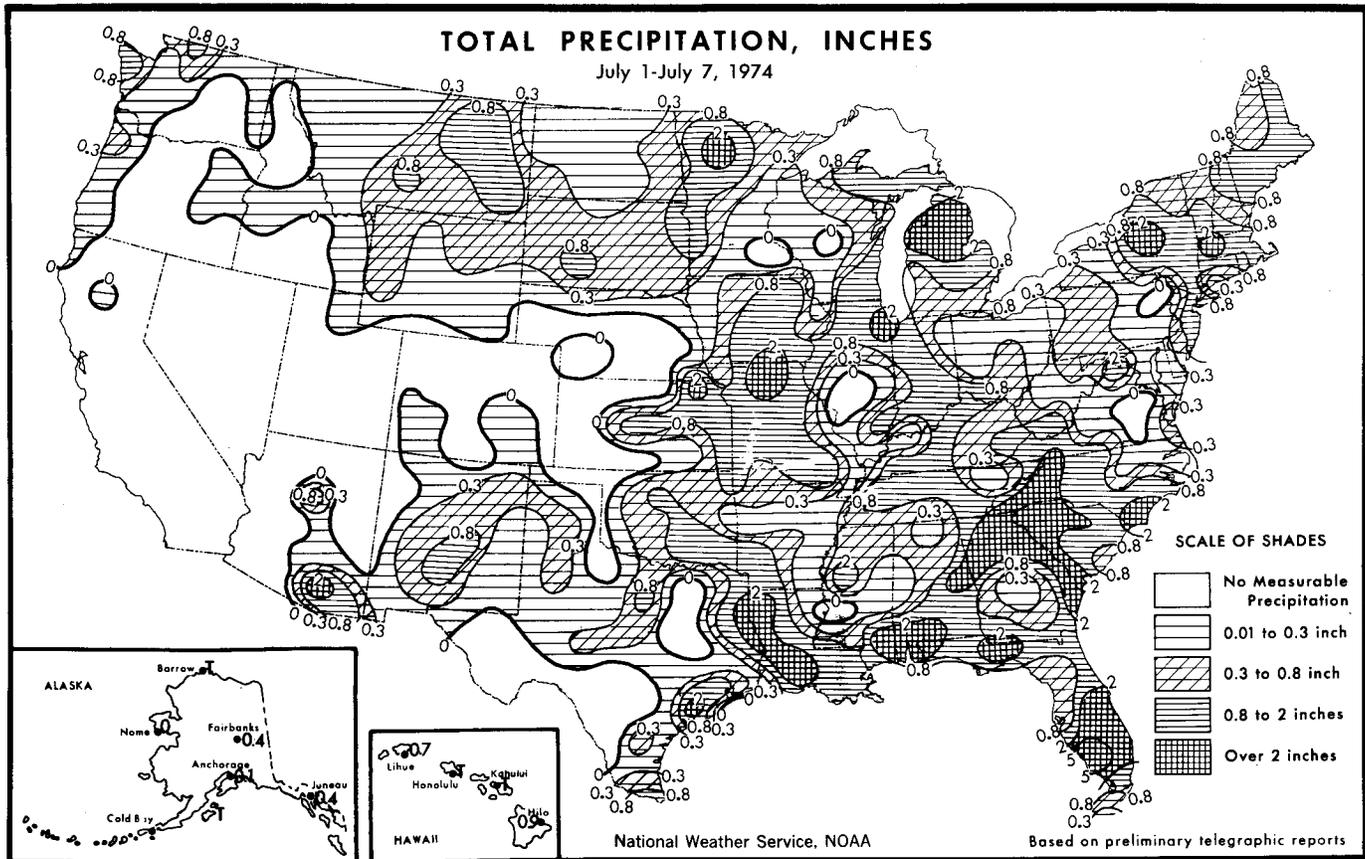
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NATIONAL WEATHER SUMMARY

HIGHLIGHTS: Precipitation was highly variable in amount across the Nation this past week. Some much needed moisture fell over most of New Mexico and southeastern Arizona, with some locally heavy amounts, but the remainder of the Desert Southwest remained dry.

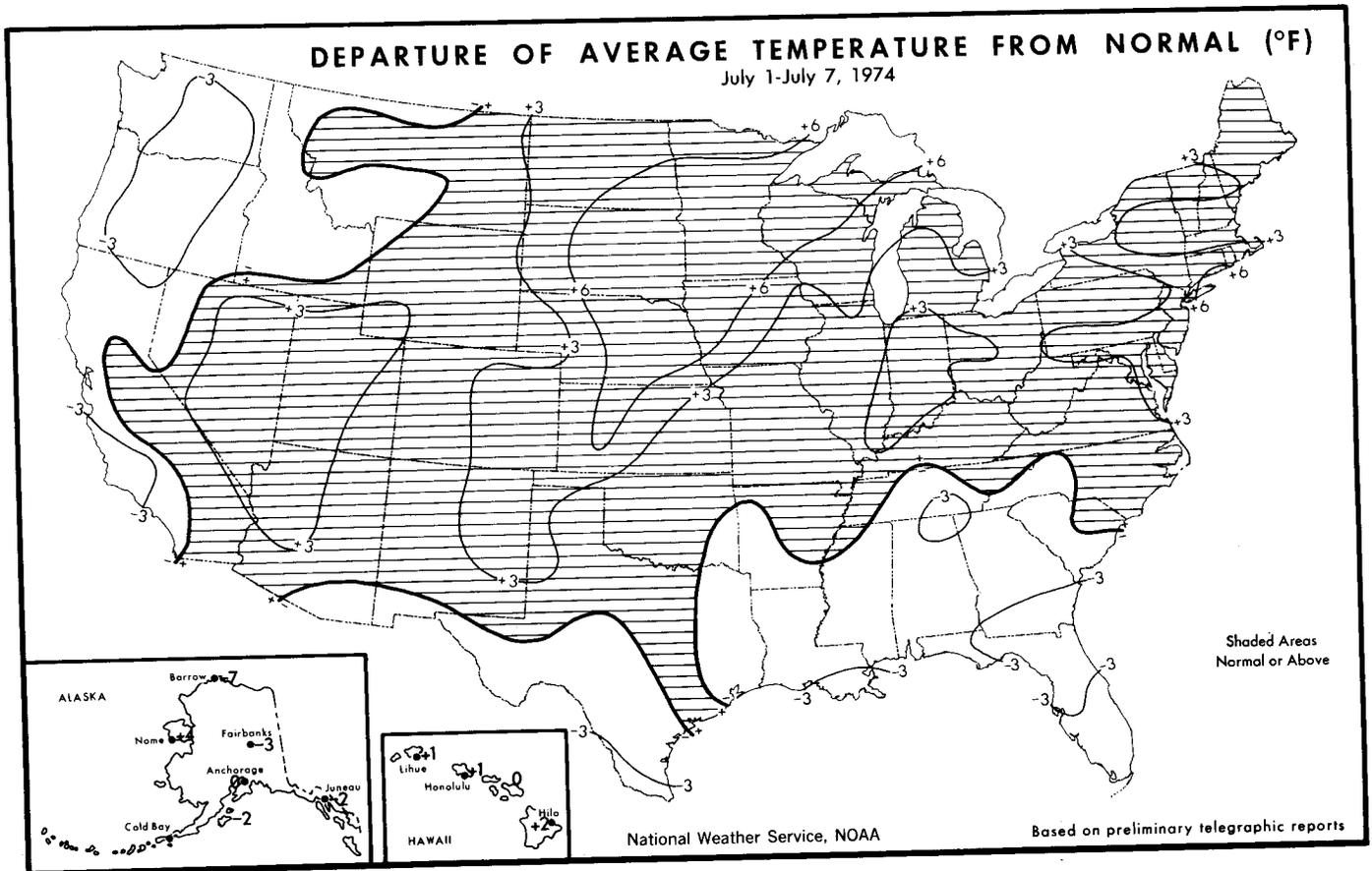
Except along the Mississippi River Valley, about 1.00 in. fell across Missouri, Iowa, Illinois, and Indiana. Rains of 2.00 in. or more fell in many parts of the Deep South and the Southeast, including most of Florida.

Above normal temperatures covered most of the Nation last week. The only exceptions were the Deep South, southern Texas, the California Coast, and the Pacific Northwest. An area including the eastern half of Nebraska and South Dakota, southeastern North Dakota, and Minnesota averaged 6 to 8° above normal. Temperatures also soared over the eastern megalopolis, resulting in heavy power demands.

PRECIPITATION: While rainfall amounts were highly variable, some broad areas received good rains. Central Georgia received little or no precipitation, but rains of 2.00 in. or more fell north and south of the area. Most of Florida received at least 2.00 in. Some totals included: Asheville, N.C., 2.28 in.; Spartanburg, S.C., 2.19 in.; Atlanta, Ga., 2.74 in.; and Tallahassee, Fla., 2.04 in. Parts of New England received heavy rains with some localized flooding in the Mohawk Valley of New York.

Early in the week, isolated thunderstorms dampened the west central and southwestern Plains, southern Rockies, and the western Gulf Coast, and Florida. Strong winds swept through southeast Arizona Monday evening, and 1.50 in. rain fell at Safford, Ariz.

Tuesday morning, heavy thunderstorms struck the Lake Michigan area and the Florida Peninsula. More than 2.00 in. of rain soaked Chicago, Ill., and



Cocoa Beach, Fla., while golf ball size hail pelted Green Bay, Wis. Locally heavy thunderstorms hit isolated portions of the Dakotas, Minnesota, and Wisconsin. Wind damage was reported in southeast North Dakota and northwest Wisconsin while hail fell at Big Falls, Minn.

On Wednesday, heavy thunderstorms sparked flash flooding of many small streams in the Mohawk Valley area of New York, as more than 4.00 in. of rain fell in the area. A trailing cold front associated with the same storm system triggered strong thunderstorms from the Great Lakes to the Central Plains. Tornadoes were reported in Carroll, Iowa, Pratt, Kans., and winds uprooted trees and knocked down power lines at Stoughton, Wis.

Elsewhere, scattered thundershowers struck the Gulf and south Atlantic States, western Plains, and southern New England areas. The storm dumped more than 6.00 in. of rain on Unionville, Mo., and caused flooding on the Grand and Chariton Rivers.

Friday, a frontal system churned up thunderstorms from the lower Mississippi Valley into the northeast. The thunderstorms left nearly 2.00 in. of rain in just 6 hours at Shreveport, La.

During the weekend, a slow moving frontal system produced showers and thundershowers in the central Gulf and Mid-Atlantic Coast States. Thunderstorms spread over the southeast quarter of the Nation on Sunday. To the west, Phoenix, Ariz., got over 1.50 in. of rain -- the first measurable rain there since April 2.

TEMPERATURE: Many of the Central States reported

temperatures averaging 5 to 8° above normal for the week. However, along the Nation's perimeter, from the Gulf Coast States through Texas and the Pacific Coast, temperatures averaged 1 to 5° below normal.

Early in the week temperatures remained hot in the Plains with 90's reaching into North Dakota and eastern Montana, while some spots topped 100° as far north as South Dakota. The Nation's Southwest quarter reported temperatures in the 90's and 100's while the Pacific Coast remained near 70°.

Tuesday, temperatures were cooler from the northern Plains to the Pacific Coast while temperatures in the 90's prevailed from California through the Mississippi Valley to the middle Atlantic Coast.

Wednesday, cooler air spread across the northern Plains and afternoon temperatures ranged from 53° at Quillayute, Wash., to 99° at Yuma, Ariz., and Garden City, Kans.

High temperatures were mostly in the 80's and in the northern and central Plains and in the 70's in the western Great Lakes Region on Thursday. Most of the Western U.S. remained fair with readings mostly in the 80's and 90's. Several spots in the Desert Southwest topped the 100° mark while places close to the northern and central Pacific Coast held in the 50's and 60's.

Temperatures remained extremely warm through the weekend in most parts of the Country, but the northern Rockies and northwestern Plains cooled behind a cold front which was moving very slowly eastward.

NATIONAL AGRICULTURAL SUMMARY

HIGHLIGHTS: Winter wheat harvest nearing completion South and going full swing in the Southern Corn Belt. Hot dry weather pushing row crop growth. Soybean planting almost complete. In Southwest pastures continue to deteriorate stressed by dry weather.

SMALL GRAINS: Hot dry winds pushed small grains toward maturity in the Central and Western States and enabled farmers to make excellent combining progress. Harvest of winter wheat, oats, and barley is nearing completion in the South and harvest of winter wheat is well under way in the southern Corn Belt. Harvest moved rapidly ahead in Kansas, the Nation's leading wheat producing State, where 95% of the winter wheat acreage is harvested, compared with 70% a year earlier. Combining is virtually complete in both Texas, where only 93% was combined by July 1973, and in Oklahoma. Continued dry weather hastened maturity in Nebraska and Colorado, allowing farmers to complete 65 and 60% of their States' harvest, respectively. A week earlier only 15 and 13% of the acreage had been harvested.

The hot, dry conditions put considerable stress on the small grain crops in North and South Dakota. Oat maturity is ahead of last year in Ohio with 15% ripe.

Barley harvest is underway in the Columbia Basin. Wheat is ripening fast in that area, but cool temperatures are allowing kernels to fill.

CORN: Seasonably warm weather spurred growth across the Corn Belt. The crop grew 10 in. last week with fields ranging 16 in. in Michigan to 30 in. in Ohio and Illinois. Growth is about normal in Ohio but is behind normal in most other Corn Belt States, due largely to the wide variation of planting dates and cool wet weather in May and June. Early corn is beginning to silk in Iowa, where most areas are 2 to 3 weeks behind normal. Much of the State is now in need of rain as in many other sections of the Corn Belt.

Hot winds sapped topsoil moisture in Kansas and Nebraska and the need for irrigation is increasing. The southern corn crop is in mostly good condition, but dry conditions are affecting growth. Dryness in western Kentucky is causing some leaf curl. In Tennessee 20% of the corn is silked, compared with 35% average and many stalks and tasseling out short.

COTTON: Cool temperatures slowed cotton development in the major producing States but much of the crop remains in mostly good condition. Rains brought relief to some areas in the Deep South; however additional moisture is needed to boost growth and development. In Arkansas plants are 2 weeks behind normal with the first fields beginning to bloom. Cotton is fruiting freely in Louisiana and most fields are laid by. The crop is 68% squaring in Mississippi, compared with 58% in 1973. In Georgia 63% of the crop is setting bolls and 1% is open. Insect control programs are very active. Above normal temperatures are causing stress and fruit drop in Arizona.

Several counties ginned their first bales of cotton in Texas last week, but general harvest is still several weeks away.

SOYBEANS: Soybean planting continues in the southern Corn Belt and the South. Soybeans are now about 99% planted in the North Central States. In that area, planting is virtually complete in all States except Indiana, Missouri, and Kansas. In these States second cropping soybeans after winter wheat are still being planted. Planting is 90% done in Arkansas and Tennessee, 93% in South Carolina, and 99% in North Carolina. Soybean planting made good progress in Mississippi during the week, but they still trail with only 82% intended acreage planted.

The crop grew rapidly under favorable weather and is in mostly good condition both in the North and South. Growth and development is generally behind last year and normal in most States. Early soybeans in Iowa started blooming while the average height in Indiana is 6 in., 2 in. less than in 1973.

OTHER CROPS: Haying was in full swing on most of the Nation's farms during the week. First cutting alfalfa is nearly complete and second cutting has started in some States.

Sorghum planting continues in north Texas with 96% complete while harvest started in south Texas. A few sorghum fields are heading in southeastern Kansas.

Flue-cured tobacco harvest just started in Virginia, is 5% complete in North Carolina and harvest is 38% done in South Carolina compared with only 11% in 1973. Leaf thickness is thin to medium and color is fair to good. Tobacco growth was rapid in Kentucky where 62% is over 12 in. high.

FRUITS AND NUTS: The Peach harvest is 40% complete in North Carolina, 44% in South Carolina and well along in the major production areas of Georgia. Sweet cherry harvest is underway in southwestern Michigan while the tart cherry harvest is near. In Washington the cherry harvest remained active, strawberry harvest is peaking, and raspberry harvest is beginning.

Walnuts are sizing well in Oregon and California, where growers are applying white-wash. The California grape crop is developing well. Vineyards are sprayed and dusted to control insects and mildew.

VEGETABLES: Cabbage and cauliflower transplanting is underway in New York and sweet corn is tasseling upstate. The Florida watermelon harvest is winding down and sweetcorn movement was reduced by wet weather. Onion harvest is in full swing on the Texas High Plains. In North Texas watermelons and cantaloupes are beginning to show stress from the dry, hot weather. In California, broccoli and cauliflower are light, celery continues good on central coast, cucumbers strong south, and lettuce has good quality, central coast. Harvest of early peas in Wisconsin is going well.

PASTURES AND LIVESTOCK: Pastures and ranges continue to decline across the Great Plains and Southwest as hot, dry weather increases the need for more supplemental feeding. Pasture conditions decreased in most North Central States during the week. Most eastern pastures are in good condition and are providing adequate feed. Livestock are in good condition in Washington from feeding on lush pasture.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., July 7, 1974

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	78	- 2	.4	- .8	La. Baton Rouge . . .	80	- 2	1.4	0	Youngstown . . .	72	+ 2	T	- .9
Mobile . . .	80	- 1	2.0	+ .1	Lake Charles . . .	81	- 1	.1	- 1.3	OKLA. Okla. City . . .	81	+ 1	.3	- .4
Montgomery . . .	80	- 1	1.5	+ .3	New Orleans . . .	78	- 4	1.9	+ .4	Tulsa . . .	83	+ 2	.4	- .5
ALASKA. Anchorage . .	58	- 0	.1	- .3	Shreveport . . .	81	- 1	4.5	+ 3.8	OREG. Astoria . . .	57	- 3	T	- .1
Barrow . . .	31	- 7	T	- .1	MAINE. Caribou . . .	65	+ 1	.9	0	Burns . . .	63	- 3	T	- .1
Fairbanks . . .	59	- 3	.4	- .0	Portland . . .	70	+ 3	1.7	+ 1.1	Medford . . .	67	- 3	T	- .1
Juneau . . .	53	- 2	.4	- .5	MD. Baltimore . . .	79	+ 2	1.0	- .8	Pendleton . . .	68	- 4	T	- .1
Kodiak . . .	52	- 2	T	- .8	MASS. Boston . . .	74	+ 3	1.0	+ .4	Portland . . .	63	- 3	.1	- .1
Nome . . .	53	+ 4	.8	+ .4	Chatham . . .	69	- 2	T	- .1	Salem . . .	63	- 2	.3	+ .2
ARIZ. Flagstaff . . .	67	+ 3	0	+ .4	MICH. Alpena . . .	70	+ 5	4.2	+ 3.6	PA. Allentown . . .	76	+ 3	.2	- .7
Phoenix . . .	93	+ 3	T	- .1	Detroit . . .	74	+ 2	T	- .7	Erie . . .	69	+ 1	.6	- .2
Tucson . . .	84	- 2	2.4	+ 2.0	Flint . . .	72	+ 3	.9	+ .2	Harrisburg . . .	79	+ 3	.4	- .5
Winslow . . .	78	+ 1	T	- .2	Grand Rapids . . .	72	+ 1	.7	- .1	Philadelphia . . .	79	+ 3	.4	- .5
Yuma . . .	93	+ 1	0	- .6	Houghton Lake . . .	69	+ 3	3.5	+ 2.7	Pittsburgh . . .	75	+ 3	.5	- .3
ARK. Fort Smith . . .	80	- 1	.2	- .6	Lansing . . .	72	+ 1	1.0	+ .3	Scranton . . .	73	+ 1	T	- .9
Little Rock . . .	82	+ 1	.5	- .3	Marquette . . .	73	+ 8	1.7	+ .9	R.I. Providence . . .	76	+ 5	1.2	+ .6
CALIF. Bakersfield . .	77	- 5	0	- .3	Muskegon . . .	69	0	.7	+ .1	S.C. Charleston . . .	78	- 2	1.6	+ 1.3
Eureka . . .	54	- 2	0	- .1	S. Ste. Marie . . .	67	+ 4	1.0	+ .3	Columbia . . .	81	0	1.6	+ .4
Fresno . . .	80	+ 1	0	0	MINN. Duluth . . .	70	+ 6	.2	- .7	Greenville . . .	77	- 1	2.2	+ 1.2
Los Angeles . . .	70	- 2	0	0	Internatl Falls . .	70	+ 5	.5	- .5	S.D. Aberdeen . . .	78	+ 8	.6	- .1
Red Bluff . . .	80	- 1	0	0	Minneapolis . . .	78	+ 7	.1	- .8	Huron . . .	79	+ 7	.6	- .1
San Diego . . .	68	- 0	0	0	Rochester . . .	76	+ 7	T	- 1.0	Rapid City . . .	75	+ 5	.5	- .1
San Francisco . . .	61	- 1	T	0	St. Cloud . . .	75	+ 6	.3	- .5	Sioux Falls . . .	78	+ 6	.3	- .5
Stockton . . .	78	+ 2	T	0	MISS. Jackson . . .	79	- 2	0	- .9	TENN. Chattanooga . .	74	- 4	1.1	- .1
COLO. Denver . . .	76	+ 5	T	- .4	Meridian . . .	80	- 1	.1	- 1.0	Knoxville . . .	79	+ 1	.3	- .7
Grand Junction . . .	79	+ 2	T	- .1	MO. Columbia . . .	77	+ 1	1.3	+ .3	Memphis . . .	82	+ 1	.7	- .1
Pueblo . . .	78	+ 3	.2	- .2	Kansas City . . .	79	+ 1	1.1	- 1.0	Nashville . . .	78	- 1	1.1	+ .3
CONN. Bridgeport . . .	79	+ 6	.2	- .5	St. Louis . . .	79	+ 1	T	- 1.0	TEX. Abilene . . .	83	0	.1	- .5
Hartford . . .	77	+ 5	1.1	+ .3	Springfield . . .	78	+ 1	.8	- .2	Amarillo . . .	80	+ 2	.5	- .2
D.C. Washington . . .	81	+ 3	.1	- .7	MONT. Billings . . .	69	0	.6	+ .3	Austin . . .	84	0	T	- .5
FLA. Apalachicola . .	79	- 2	.8	- .9	Glasgow . . .	69	+ 1	1.9	+ 1.5	Beaumont . . .	82	- 1	.2	- 1.1
Daytona Beach . . .	77	- 4	1.6	+ .4	Great Falls . . .	68	+ 1	- .1	- .3	Brownsville . . .	80	- 4	.9	+ .5
Ft. Myers . . .	80	- 2	6.1	+ 3.9	Havre . . .	68	- 1	- .1	- .4	Corpus Christi . . .	82	- 2	.2	- .2
Jacksonville . . .	77	- 4	1.9	+ .3	Helena . . .	66	0	.2	- .1	Del Rio . . .	84	- 2	T	- .3
Key West . . .	83	- 1	2.9	+ .8	Kalspell . . .	62	0	.1	- .3	El Paso . . .	81	- 1	.1	- .2
Lakeland . . .	77	- 4	2.8	+ 1.0	Miles City . . .	72	0	1.2	+ .7	Fert Worth . . .	84	0	T	- .5
Miami . . .	81	- 1	1.7	- .1	Missoula . . .	65	+ 1	.2	- .8	Galveston . . .	83	0	T	- 1.1
Orlando . . .	78	- 3	2.1	+ .1	NEBR. Grand Island .	82	+ 7	T	- .8	Houston . . .	82	- 1	1.0	0
Tallahassee . . .	78	- 3	2.0	0	Lincoln . . .	84	+ 8	T	- .9	Lubbock . . .	82	+ 3	.5	- .1
Tampa . . .	79	- 3	.7	- 1.2	Norfolk . . .	80	+ 6	.1	- .8	Midland . . .	83	+ 1	.1	- .3
W. Palm Beach . . .	80	- 2	3.7	+ 2.0	N. Platte . . .	76	+ 3	.2	- .6	San Angelo . . .	82	- 2	.3	0
GA. Atlanta . . .	77	- 1	2.2	+ 1.1	Omaha . . .	81	+ 7	.2	- .7	San Antonio . . .	83	- 1	T	- .5
Augusta . . .	78	- 2	2.7	+ 1.6	NEV. Valentine . . .	80	+ 8	.7	0	San Antonio . . .	82	- 1	.2	- .5
Macon . . .	80	- 1	T	- 1.0	NEV. Ely . . .	68	+ 3	T	- .1	Victoria . . .	84	0	0	- .4
Savannah . . .	78	- 3	2.3	+ .5	Las Vegas . . .	91	+ 3	0	- .1	Waco . . .	85	0	0	- .4
HAWAII. Hilo . . .	77	+ 2	.9	- .9	Reno . . .	66	- 1	0	- .1	Wichita Falls . . .	86	+ 1	.2	- .4
Honolulu . . .	81	+ 1	T	- .1	Winnemucca . . .	72	+ 3	.6	- .2	UTAH. Blanding . . .	73	+ 1	0	- .1
Kahului . . .	78	0	T	- .1	N.H. Concord . . .	69	+ 0	.6	- .2	Salt Lake City . . .	78	+ 4	.1	- .1
Lihue . . .	79	+ 1	.7	+ .3	N.J. Atlantic City . .	79	+ 5	1.1	+ .2	VT. Burlington . . .	72	+ 3	.6	- .2
IDAHO. Boise . . .	71	- 1	.1	- .0	Trenton . . .	78	+ 3	2.0	+ 1.0	VA. Lynchburg . . .	75	+ 3	.4	- .7
Lewiston . . .	70	- 1	.1	- .1	N.MEX. Albuquerque . .	80	+ 2	.3	0	Norfolk . . .	81	+ 3	.4	- 1.1
Pocatello . . .	69	0	T	- 1.0	Roswell . . .	82	+ 3	T	- .4	Richmond . . .	79	+ 1	T	- .6
ILL. Cairo . . .	81	+ 1	.2	- .6	N.Y. Albany . . .	73	+ 2	1.8	+ 1.1	Roanoke . . .	76	+ 1	.2	- .2
Chicago . . .	76	+ 2	2.3	+ 1.3	Binghamton . . .	73	+ 2	.6	+ .1	WASH. Colville . . .	64	- 2	T	- .2
Moline . . .	75	+ 1	.5	- .6	Buffalo . . .	72	+ 2	.3	- .3	Omak . . .	66	- 3	T	- .2
Peoria . . .	76	+ 1	.2	- .7	New York . . .	80	+ 4	1.0	+ .2	Quillayute . . .	55	- 3	.9	+ .3
Rockford . . .	75	+ 3	1.1	0	Rochester . . .	74	+ 3	.2	- .4	Seattle-Tacoma . . .	62	- 1	.1	- .1
Springfield . . .	78	+ 2	0	- 1.0	Syracuse . . .	72	+ 1	4.8	+ 4.1	Spokane . . .	64	- 3	T	- .2
IND. Evansville . . .	81	+ 4	T	- .8	N.C. Asheville . . .	72	- 1	2.3	+ 1.1	Walla Walla . . .	69	- 4	T	- .1
Ft. Wayne . . .	77	+ 4	.2	- .7	Charlotte . . .	77	- 1	2.0	+ 1.0	Yakima . . .	66	- 3	T	- .1
Indianapolis . . .	78	+ 3	.9	- .1	Greensboro . . .	78	+ 1	.9	- .1	W.Va. Beckley . . .	71	+ 1	1.8	+ .7
South Bend . . .	76	+ 4	.8	- .0	Hatteras . . .	79	+ 2	.1	- 1.1	Charleston . . .	77	+ 2	.3	- .8
IOWA. Burlington . . .	77	+ 2	1.8	+ .8	Raleigh . . .	78	+ 1	.2	- .9	Huntington . . .	77	+ 2	.5	- .4
Des Moines . . .	79	+ 5	1.1	+ .2	Wilmington . . .	81	+ 1	3.0	+ 1.2	Parkersburg . . .	77	+ 2	.2	- .8
Dubuque . . .	73	+ 2	.1	- 1.0	N.DAK. Bismarck . . .	73	+ 4	.2	- .4	WIS. Green Bay . . .	72	+ 4	.8	0
Sioux City . . .	80	+ 6	.9	- .9	Fargo . . .	76	+ 3	.1	- .3	La Crosse . . .	76	+ 4	.3	- .6
KANS. Concordia . . .	82	+ 5	T	- .7	Williston . . .	72	+ 4	.1	- .3	Madison . . .	73	+ 4	1.0	0
Dodge City . . .	84	+ 6	T	- .6	O. Akron-Canton . . .	73	+ 2	.3	- .6	Milwaukee . . .	72	+ 3	1.1	+ .3
Goodland . . .	77	+ 3	T	- .6	Cincinnati . . .	78	+ 3	1.2	+ .2	WYO. Casper . . .	70	+ 2	.3	0
Topeka . . .	78	+ 1	1.2	+ .1	Cleveland . . .	71	0	.3	- .3	Cheyenne . . .	69	+ 2	T	- .5
Wichita . . .	82	+ 2	T	- .1	Columbus . . .	76	+ 3	.4	- .3	Lander . . .	70	+ 2	.1	- .1
KY. Lexington . . .	77	+ 1	.7	+ .4	Dayton . . .	76	+ 3	.4	- .3	Sheridan . . .	69	+ 1	.6	+ .2
Louisville . . .	78	+ 2	1.1	+ .2	Toledo . . .	74	+ 3	.4	- .3	P.R. San Juan . . .	83	+ 2	2.8	+ 1.4

Based on 1940-71 Normals

CONDENSED STATE SUMMARIES

The Bulletin capsulizes nationally important weather and crop conditions. Every Monday SRS publishes more detailed data in State Weekly Weather and Crop Bulletins in cooperation with the National Weather Service, NOAA. Voluntary weather observers, crop reporters, and county extension agents contribute weekly observations for these reports.

ALABAMA: Sunny, with scattered showers. Most showers south and central where weekly totals generally exceeded 1.00 in. Dry conditions relieved considerably southeast where some locations got 4.00 in. for the week. Temperatures near normal. Warmest west.

Scattered showers north and locally heavy rains south benefited row crops, additional moisture needed many localities to boost growth and development. Cotton squaring most fields 15% acreage forming small bolls. Insects increasing, growers taking control measures. Rain improved prospects for corn, 50% of crop silking. Early planted soybeans good, few fields starting to bloom. Latest plantings emerging to even stand. Peanuts thriving with 60% pegging. Cultivation and leaf-spot spraying active. Wheat harvest nearly complete. Late variety peaches being harvested Cylton County. Good amount hay saved. Rains improved conditions for hay and pastures.

ALASKA: Precipitation totals for season remained much below normal. The only measureable precipitation reported was Fairbanks 0.50 in. and Big Delta 1.50 in. Temperatures averaged 2 - 3° above normal.

Ground moisture continued short throughout railbelt area. Hay harvest about 50% complete Matanuska Valley and 35% complete in the Tanana Valley.

ARIZONA: Above normal temperatures, dry weather all areas except southeast through 4th. Moist air and thunderstorms over southeast all week. Amounts over 1.00 in. some stations. Temperatures 1 to 3° below normal southeast. Moist air thunderstorms spread over State 4th northeast, widespread by 7th. Most areas except southwest received significant rainfall.

Cotton progress satisfactory. Extremely warm weather causing stress, fruit drop. Boll setting occurring more than half Yuma, Pinal area fields. Small grain harvest continues; barley virtually all harvested. Wheat 90% harvested Yuma area, other areas ranging 40 to 95% completed. Early planted sorghum maturing rapidly. Safflower harvest underway Yuma, Pinal Counties, full bloom, Cochise County. Sugarbeet harvest generally complete central. Yields and sugar content good. Alfalfa hay harvest into fourth cutting Yuma, Maricopa. Third cutting most other areas except north. Cantaloupe harvest near completion due hot weather. Fruit quality good where vines held up. Bulk of watermelon shipments, Salt River Valley passed, vines wilting. Grape harvest continues valley area. Grapefruit harvest virtually complete, Valencia picking to continue few more weeks. Groves generally good, extreme heat slowed fruit sizing. Range condition continues below normal. Livestock poor to fair condition. Stock water, soil moisture supplies helped in southeast, overall dry situation not relieved.

ARKANSAS: Below normal temperatures continued, except in central and extreme northeast. Mean temperatures 70's and low 80's. Daily maximums upper 80's and upper 90's. Precipitation widely distributed, most stations reporting less than 0.50 in.

Hot, dry weather permitted field work to continue, decreased the soil moisture. Cotton fields cleaned up with herbicides and cultivation. Hot weather prompted good growth, plants two weeks behind normal. First fields beginning to bloom. Rice in good condition and growing well. Midseason applications of nitrogen continued. Late beans need moisture for germination, few early fields beginning to bloom. Ninety percent now planted. Corn in fair to good condition, development varies from tasseling to milk stage. Sorghum planting nearing completion. Ideal curing conditions for hay, dry weather affecting yields. Cattle in good condition. Purple hull peas, sweet corn, and cantaloupe marketings increasing. Tomato harvest on decline. Peaches extra large, volume light.

CALIFORNIA: Precipitation limited to thunder-showers in sections of northern mountains and Sierra Nevada 30th and 1st and along Nevada border end of week. Fair, warm weather except for night and morning coastal low cloudiness. Temperatures averaged near normal along immediate coast to few degrees above, inland areas. Highs ranged from the 90's in the Sacramento Valley, over 100° in San Joaquin Valley and over 110° in southeast interior.

Harvesting barley, wheat well along central valleys. Warm weather advanced development rice. Cutting, baling grain, alfalfa hay. Safflower, cotton in bloom. Milo, sugarbeets developing normally. Dry beans, corn growing rapidly. Grape crop developing, vineyards sprayed and dusted control insects, mildew. Walnuts sizing, growers applying whitewash. Black Mission figs packed. Lemon harvest active. Summer grapefruit quality, flavor good. Broccoli, cauliflower light. Cantaloupe continue westside. Celery continue, good quality, central coast. Cucumbers strong, south coast. Honeydews continues, good quality and quantity in desert. Lettuce strong, good quality, central coast. Potatoes started delta, central coast, continues; Hemet, good quality and quantity. Strawberries decline seasonally. Sweet corn heavy Los Angeles. Market tomatoes strong south coast. Canning tomatoes good condition all areas. Watermelons late, central valley, due to cool weather. Livestock remain good condition, face flies an increasing problem. Movement to summer ranges, pastures continues. Supplemental feeding increasing. Water supplies dwindling northeast. Movement bee colonies into melon, alfalfa completed. Fire hazards high most areas.

COLORADO: Hot, dry weather continued. Significant rains fell late in week over south central northward to Rocky Mountain National Park. Heaviest reported was 1.70 in. at Monte Vista. Elsewhere, precipitation was generally very light. Mean temperatures averaged above seasonal. Daily maximums generally in 70's in mountains and 80's and 90's at the lower elevations. High readings on several days were above 100° over parts of southeast. Highest temperature was 106° at La Junta on 2nd.

Winter wheat 60% harvested, 15% average; 79% ripe. Harvest active northeast. Winter barley 49% harvested, 63% ripe. First cutting alfalfa 70% complete, second cutting 7%. Grasshoppers and weevils becoming prominent. Corn and sugarbeets excellent condition. Corn 71% cultivated,

4% tasseled. Potatoes excellent condition. Vegetables in Arkansas Valley maturing rapidly. Cherry harvest active west slope. Livestock in good condition. Pastures in poor condition south, fair north.

FLORIDA: Typical Florida summer weather, warm days and nights with mainly afternoon thunder-showers. Temperatures averaged slightly below normal, while rain generally moderate. Heaviest central peninsula. Peninsula got daily showers, west Florida dry.

Corn prospects reduced by drought. Peanuts making good progress. Soybean, millet growth slowed by dry conditions. Tobacco harvest active. Sugarcane in good condition except few fields flooded. Pastures good to excellent. Cattle and calves good condition. Watermelon harvest winding down. Sweet corn movement reduced by wet weather, celery nearly finished. Citrus tree condition continues excellent. Several areas excess moisture reported. Rains continue in central Florida - new crop fruit progress excellent.

GEORGIA: Temperatures averaged 3 to 4° below normal south, 4 to 5° below north. Ranges upper 60's mountains, mid 70's north, upper 70's central and south. Precipitation widespread, average near 1 in. Summer pattern evident, no rain in few spots to 4.35 in. Blairsville. Early in week mild days and cool nights, then warmer nights but cooler days from showers. Scattered thundershowers weekend.

Soil moisture supplies mostly short to adequate. Crop conditions remain high. Corn was mostly good. Cotton good, 63% setting bolls and 1% open. Insect control programs very active. Tobacco harvest active, 32% harvested, normal for date. Peanuts mostly good, some disease problems. Harvest of short peach crop well along major producing areas. Soybeans mostly good, some insect problems. Pastures mostly good. Cattle condition good, pinkeye a problem some areas. Truck crops good with good volume moving to market.

HAWAII: Weather generally favorable for crop progress throughout state. Heavy irrigation crops in lowland, higher elevations benefited by showers. Heavy spraying to curtail insect infestation. Most leafy vegetables plentiful, others adequate. Papaya production on decline. Banana production continued light. Cattle and pastures in fair to good condition. Pineapple harvesting operation active, require night work. Sugar normal operation.

IDAHO: Temperatures cooled to near normal for period. Maxima ranged 88 to 99°, minima upper 30's to upper 40's to average 65 to 72°. Light precipitation end of week north, central mountain areas, and southeast. Precipitation for June was 1 to 2 in. below normal for all reporting stations.

Winter wheat maturity hastened by dry weather. Winter wheat 30% turned. Spring wheat 70% headed, 15% turning. Barley maturity stages: 30% turning, 60% heading, 10% boot. Potato progress good, middles closing: 75% southwest, 33% south-central and few fields southeast. Over half southeastern fields 12 in. high. First cutting hay done except north and higher elevations east.

ILLINOIS: Temperatures 1 to 2° above normal, warming early week. Precipitation varied trace to 2.00 in. North heaviest rain.

Average height corn 30 in. 35 in. 1973, 3-

year (1971-73) average 45 in. Most advanced fields about 50 in., fair to good condition. Soybean planting virtually complete, 95% 1973, average 98%, 80% full stand, condition fair to good. Winter wheat about 90% combined, 75% 1973, average 83%. Oats 70% turned yellow, 65% 1973, 20% ripe, 37% 1973 and is in fair to good condition. First cutting alfalfa hay nearly complete. Red clover hay 88% complete. Barley harvest 70% complete. Grain sorghum planting 90% done. Pastures good to excellent condition. Soil moisture 34% short, 62% adequate, 4% surplus. Fieldwork: 6.5 days favorable.

INDIANA: Warm to hot, sunny, temperatures 5° above normal, highest 95°. Thundershowers 0.25 in. to 1.00 in. east and south 4th and 5th. Evaporation above normal, relative humidity below normal.

Fieldwork averaged 6 days, longest of season. Topsoil moisture short to mostly adequate. Subsoil moisture mostly adequate. Soybeans 95% planted, same as 1973, 2 weeks behind average. Soybeans 6 in. high, 2 in. less than 1973. Corn 20 in., 29 in. in 1972 and 1973. Wheat 80% ripe. Wheat 35% combined, 30% average, 20% in 1973. Oat harvest underway south. Barley 75% combined. Rye 20% combined. Alfalfa hay 90% cut first time. Pastures declined, rated fair to good.

IOWA: Temperatures averaged 5° above normal with temporary relief 3rd and 4th from only showers and thunderstorms of week; over 2.00 in. central and southeastern counties. Other 6 days had more than 90% of possible sunshine.

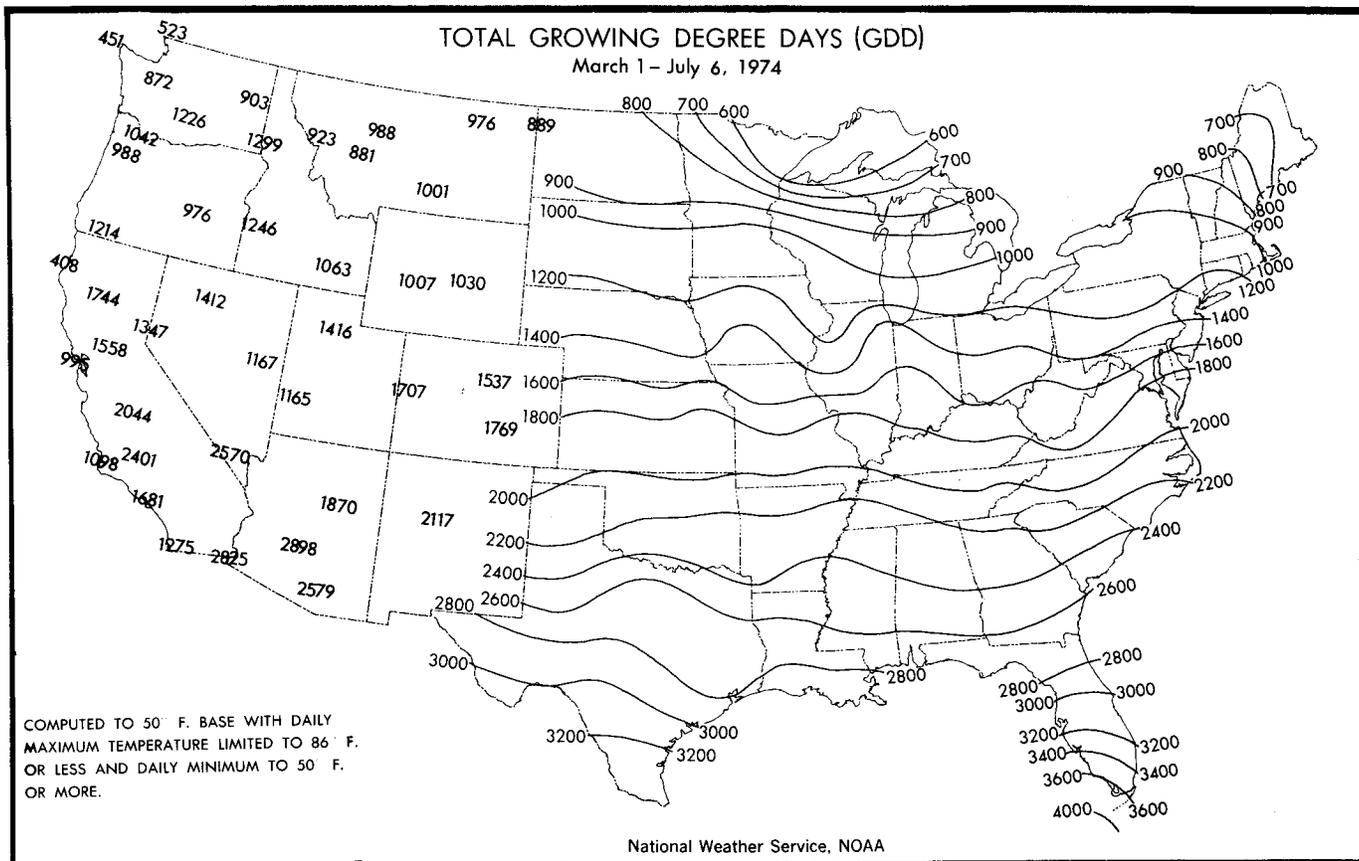
Hot, dry weather and blowing winds reduce moisture supply. Fieldwork: 6.3 days suitable, average 4.9 days. Much of state in need of rain, western areas reaching critical period. Corn beginning to silk, fields in eastern areas very spotty. Most areas 2 to 3 weeks behind normal. Soybeans started blooming few areas. Planting of previously flooded fields. Second cutting alfalfa 17% complete, yields good. Red clover harvest 80% complete. Pastures drying in many areas. Oats yields hurt by hot weather as 22% reached maturity.

KANSAS: Hot, dry weather general although beneficial rains occurred northeast on 3rd. Temperatures averaged 80° northwest to 85° southwest, 3° above normal southeast to 7° above normal southwest and north central.

Wheat harvest nearing completion with 95% harvested, 70% 1973, 75% average. Wheat stubble ground and summer fallow land worked, good field conditions. Row crops made good progress, although dry weather and hot winds sapped topsoil moisture. Corn 85% laid by, 75% 1973, 70% average. Corn tasseling east and south central. Few fields sorghum headed southeast. Soybeans growing well, most fields not yet podding stage. Second cutting alfalfa 65% complete, 60% 1973 and average. Livestock doing well, bothered by hot weather.

KENTUCKY: Warm and humid with scattered showers and thundershowers daily. Temperatures averaged near seasonal normal. Rainfall averaged mostly 0.20 to 0.80 in. but varied locally from 0 to over 1.00 in.

Fieldwork averaged 5 days. Soil moisture short west, adequate east. Farmers finishing small grain harvest and soybean planting, cultivating corn, soybeans, tobacco, and making hay. Soybeans averaged 8 in. high, same as 1973. Corn growing well except in west, dryness causing leaf curl. Corn 14% tasseling, 5% 1973, condition good. Tobacco growth rapid, some disease showing up,



38% under 12 in. high, 40% 1973, 62% over 12 in, 45% 1973. Alfalfa second cutting 48% done.

LOUISIANA: Temperatures warmer, but still 1 to 3° below normal. Extremes: 98° Monroe 3rd, 62° Bogalusa 1st. Rain midweek, scattered thundershowers most sections. Totals variable, 0 in. to more than 3.00 in. Greatest 1-day total, 1.89 in. Shreveport 6th.

Fieldwork possible 6.0 days. Main activities laying by cotton, soybeans and harvesting hay and vegetables. All crops generally good. Soybean planting finished except isolated replanting. Dry weather slowed germination recent plantings. Cotton fruiting freely. Corn maturing south. Grain sorghum planting nearly finished. Rice good progress, early planted heading, southwest. Sugarcane growth slowed by dry weather. Pastures and hay crops deteriorated due lack of moisture. Livestock generally good.

MARYLAND AND DELAWARE: Temperatures averaged normal. Highs upper 80's to mid 90's, lows 50's, except 46° Garrett County. Precipitation less than 0.25 in. to near 1.50 in. Heaviest north central Maryland. Severe electric storms on 4th. Weekend sunny, hot.

Good weather for crop growth. Soil moisture generally adequate. Corn growing rapidly, in critical tasseling and silking stage southern areas during high temperatures. High grain moisture slows combining. Soybean seeding 95%, same as last year. Good progress hay harvest. Green pea harvest nearly done, snap beans and cucumbers being picked. Early cantaloupes start this

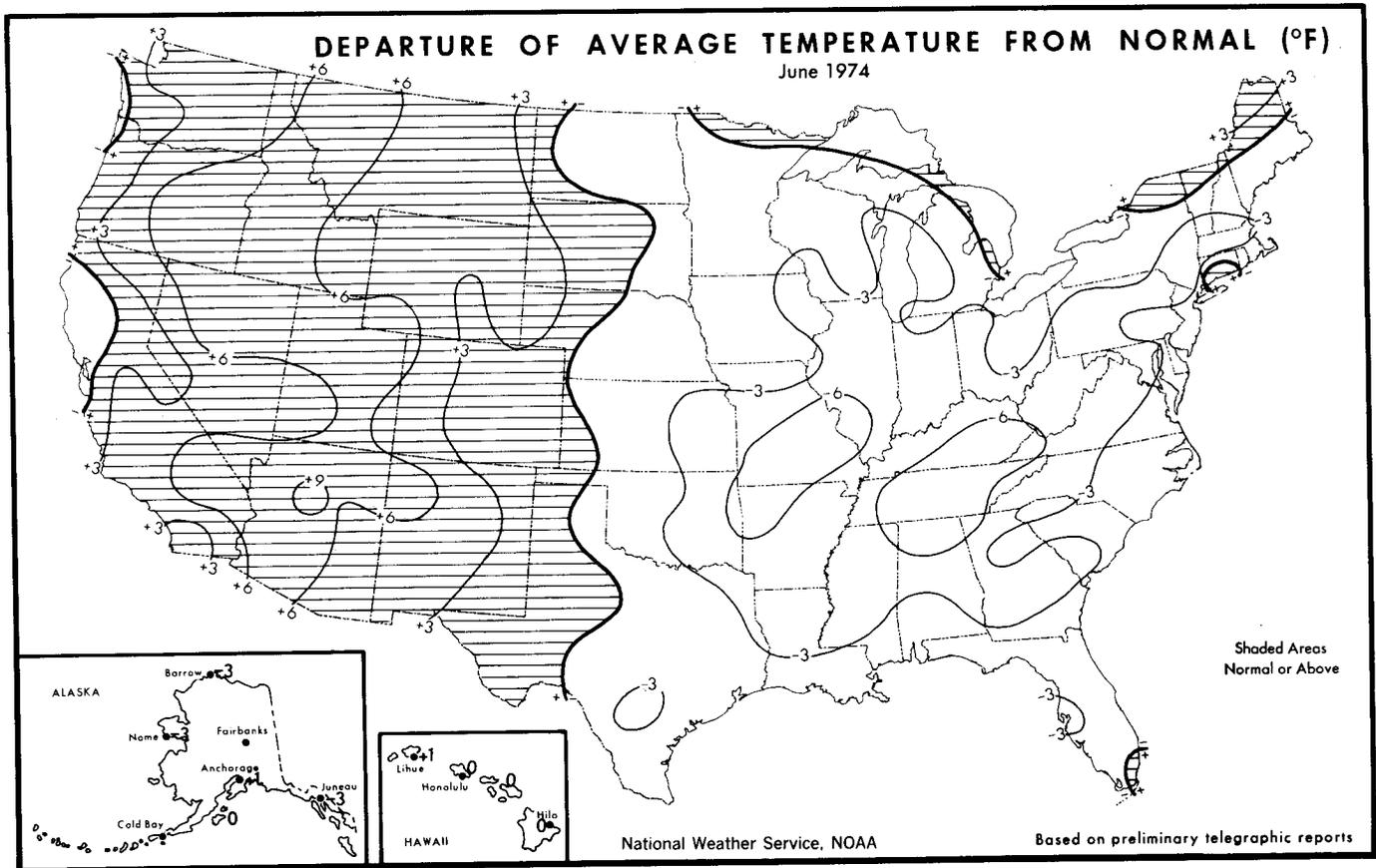
week. Early peaches and early summer apples available limited quantities.

MICHIGAN: Temperatures averaged near normal to 7° above. Thunderstorms midweek. Precipitation totaled 1.00 to 2.00 in. much of upper and northern lower; a few amounts over 4.00 in. northern lower peninsula; 0.25 to 1.00 in. elsewhere. Warm weather pushed crop growth, but heavy rains damaged crops north and central lower peninsula. Fieldwork: 4.3 days favorable. Soil moisture surplus north, adequate south. Corn height 16 in., 1973 22 in. Soybeans growing well. Additional dry beans lost from flooding. Late planted beans emerging, some still being replanted. Sugarbeets making good growth. Winter wheat 75% turned yellow. Many wheat fields badly lodged. Oats about 55% headed. Barley harvest started southwest. First cutting hay 70% harvested. Pasture feed supplies above average. Sweet cherry harvest well underway southwest, tart harvest start July 8. Warmer weather speeded vegetable development.

MINNESOTA: Warm, windy, with averages 4° above normal northwest to 7° above southeast. Lows upper 40's northeast to upper 60's southwest early in week. Highs mid to upper 90's north and east; 100° southwest later was near record temperature. Precipitation again deficient 0.50 to 0.75 in. below weekly normals. Only local areas record adequate precipitation from scattered thunderstorms.

Hot, dry windy weather hastened crop development and caused rapid depletion of topsoil moisture. Conditions excellent for haying, first cutting

(continued on page 11)



MONTHLY WEATHER - JUNE 1974

HIGHLIGHTS: The western half of the Nation was exceptionally dry except for a portion of the central Great Plains. Over the eastern half of the Country moisture was highly variable. Southern Florida received very heavy rains, particularly late in the month. The southern half of Arkansas received over twice the normal June rainfall. northern Illinois and parts of Iowa and Indiana very wet. Alabama was very dry.

Temperatures were above to well above normal west of the Plains, but well below normal to the East. Parts of Missouri and Arkansas, and Alabama, Tennessee and Kentucky were 6° below normal. A band extending from western Montana to Arizona averaged 6° or more above normal.

PRECIPITATION: Most Western States were very dry during June. No precipitation fell in an area that included Arizona and Nevada, and parts of southern Utah and southern California. Except for the Washington Coast and the northern Sacramento Valley, precipitation was less than 25% of normal.

The month began with a major storm extending from the upper Great Lakes into Texas. Tornadoes, thunderstorms, high winds and torrential rains struck 15 States. Flash floods occurred in Louisiana, Arkansas, Kansas, Oklahoma, Missouri, and Texas. Tornadoes were reported in north central Texas, Liberal, Kans., Aberdeen, S.D., and Fargo, N.D. Some totals for the week ending the 9th included Fort Worth, Texas 4.61 in.; Shreveport, La., 6.09 in.; and, Tulsa, Okla., 7.75 in.

The weather was generally drier during the rest of the month in most localities. Heavy precipitation during the second week were scattered and associated with thunderstorms.

Violent weather struck portions of Iowa on the 18th. A tornado damaged Ankeny, just north of Des Moines. Nearby Ames reported 3 in. of hail and 3 ft. of water in the streets. Charles City received 2.50 in. of rain in only a half hour.

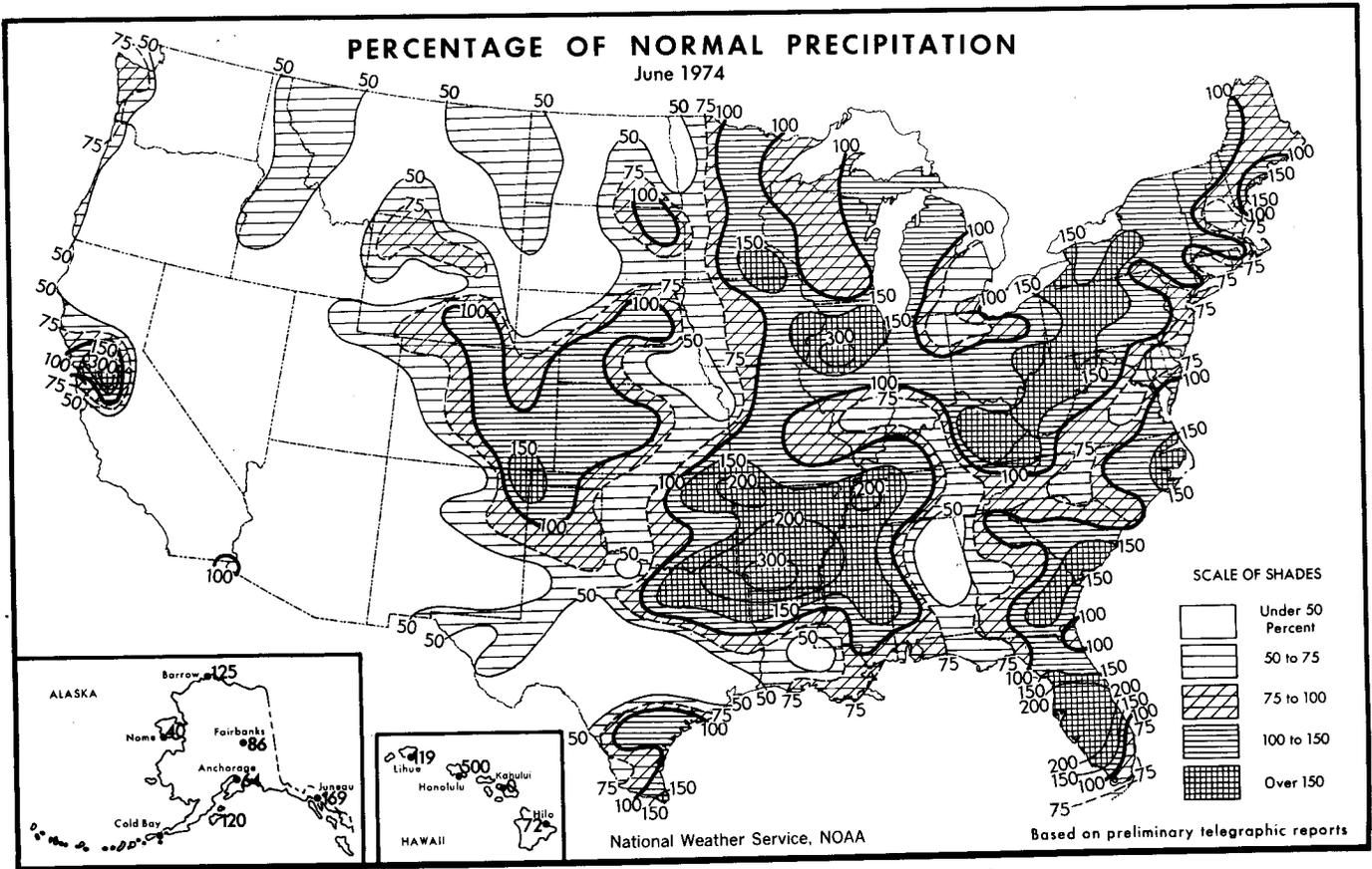
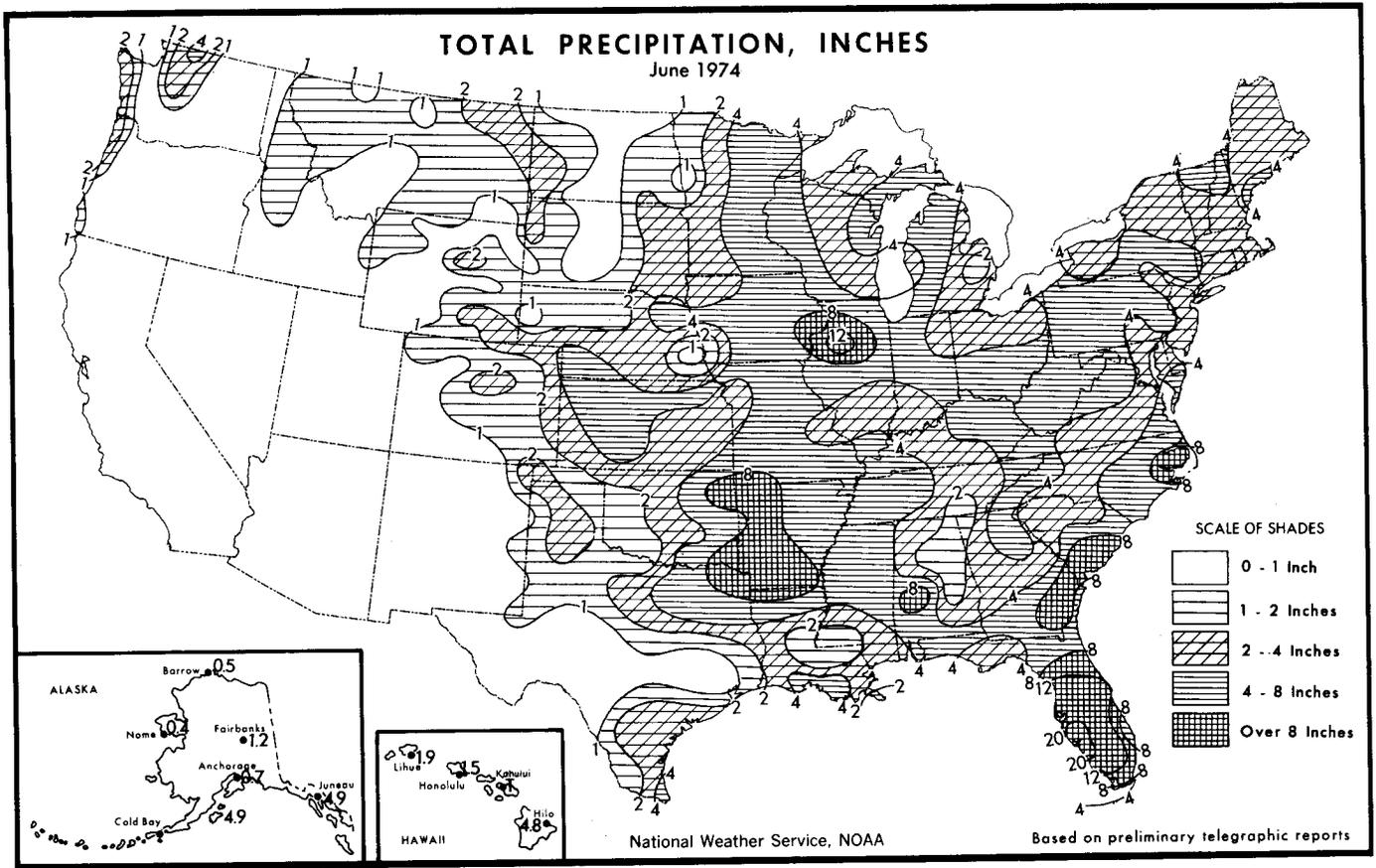
Except for tropical storm-like rains which deluged central Florida, the rest of the Nation received little or no precipitation west of the Appalachians. Totals in the Florida corridor included: Orlando, 10.91 in.; Tampa, 9.21 in.; and Fort Myers, 9.68 in.

TEMPERATURE: Temperatures for the month were well above normal over the western half of the Nation and cooler than normal to the east.

The first week of June found temperatures in the Desert Southwest and Deep South, and over the Great Lakes and New England area above normal while the intervening corridor was much cooler than usual.

The remainder of the month a distinct north-south line moved across the Plains with much above normal temperatures west of the line, and cooler than normal east of the line. During the week ending the 16th, temperatures averaged as much 14° above normal in Boise, Idaho, 15° at Lewiston, Mont., and 12° at Salt Lake City, Utah. To the east, temperatures dropped into the 40's and 50's over much of the upper Plains, Mississippi River Valley and Great Lakes.

The extremely warm temperatures continued over the northern Rockies during the remainder of the month. During the closing week of June, record highs occurred in the West and record lows in the East. Early morning lows were records at 28 locations the morning of the 25th in an area extending from Lower Michigan to southern Texas.



Temperature and Precipitation Data for June 1974

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 . . .	73	-4	1.4	-2.6	La.Baton Rouge . . .	78	-2	1.1	-2.7	Youngstown . . .	65	-2	4.0	+ .4
Mobile . . .	78	-2	3.5	-2.6	Lake Charles . . .	79	-2	2.9	-2.1	OKLA.Okla. City . . .	74	-3	3.4	- .8
Montgomery . . .	76	-3	1.6	-2.4	New Orleans . . .	78	-2	3.8	- .9	Tulsa . . .	74	-3	7.9	+3.2
ALASKA.Anchorage . . .	56	+1	.7	.4	Shreveport . . .	77	-3	6.3	+3.0	OREG.Astoria . . .	56	-1	2.3	- .2
Fairbanks . . .	30	-3	.5	+ .1	MAINE.Caribou . . .	63	+3	2.8	- .6	Burns . . .	66	+7	.1	- .9
Juneau . . .	50	-3	4.9	+2.0	Portland . . .	61	-1	4.7	+1.6	Medford . . .	68	+4	T	- .9
Kodiak . . .	50	0	4.9	+ .8	MD.Baltimore . . .	68	-4	2.8	-1.0	Pendleton . . .	71	+5	.2	- .8
Nome . . .	43	-3	.4	- .6	MASS.Boston . . .	65	-3	2.3	- .9	Portland . . .	64	+2	.8	- .8
ARIZ.Flagstaff . . .	67	+9	T	- .6	Chatham . . .	60	0	3.6	- .3	Salem . . .	62	+1	.4	-1.0
Phoenix . . .	92	+7	0	- .2	MICH.Alpena . . .	61	0	3.2	+ .3	PA.Allentown . . .	67	-3	4.3	+ .8
Tucson . . .	87	+4	T	- .2	Detroit . . .	66	-2	2.4	-1.0	Erie . . .	63	-2	5.3	+1.8
Winslow . . .	76	+4	T	- .3	Flint . . .	65	-1	1.9	-1.5	Harrisburg . . .	71	-1	3.7	+ .6
Yuma . . .	91	+4	0	0	Grand Rapids . . .	63	-4	4.9	+1.0	Philadelphia . . .	70	-2	4.4	+ .7
ARK.Fort Smith . . .	72	-6	4.7	+ .8	Houghton Lake . . .	62	-1	4.6	+1.3	Pittsburgh . . .	65	-4	5.1	+1.6
Little Rock . . .	74	-4	7.8	+4.3	Lansing . . .	64	-3	2.8	- .7	Scranton . . .	64	-4	3.9	+ .5
CALIF.Bakersfield . . .	82	+5	0	- .1	Marquette . . .	60	0	3.6	+ .2	R.I.Providence . . .	65	-1	3.3	+ .6
Eureka . . .	54	-1	.3	- .4	Muskegon . . .	62	-4	2.7	+ .1	S.C.Charleston . . .	75	-3	9.5	+3.2
Fresno . . .	78	+4	0	- .1	S. Ste. Marie . . .	60	+1	4.0	+ .7	Columbia . . .	78	-1	4.5	+ .7
Los Angeles . . .	73	+5	0	0	MINN.Duluth . . .	57	-2	4.1	- .3	Greenville . . .	72	-4	3.8	- .3
Red Bluff . . .	76	0	.1	- .4	Internatl Falls . . .	61	+1	4.6	+ .7	S.D.Aberdeen . . .	66	+1	3.7	+ .1
San Diego . . .	67	+1	T	- .1	Minneapolis . . .	66	-1	5.2	+1.3	Huron . . .	66	-1	2.0	-1.8
San Francisco . . .	60	-2	.1	0	Rochester . . .	64	-2	7.0	+1.4	Rapid City . . .	67	+3	1.1	-2.6
Stockton . . .	75	+3	.3	+ .2	St. Cloud . . .	63	-2	4.4	- .2	Sioux Falls . . .	66	-2	2.8	-1.5
COLO.Denver . . .	68	+2	2.0	+ .1	MISS.Jackson . . .	75	-4	3.4	0	TENN.Chattanooga . . .	68	-8	1.2	-2.4
Grand Junction . . .	75	+5	.1	- .5	Meridian . . .	76	-3	3.7	+2.0	Knoxville . . .	71	-5	2.7	- .9
Pueblo . . .	73	+2	1.7	+ .3	MO.Columbia . . .	68	-5	5.9	+1.3	Memphis . . .	75	-4	6.3	+2.8
CONN.Bridgeport . . .	69	+1	2.6	0	Kansas City . . .	71	-3	2.2	-3.4	Nashville . . .	71	-6	4.8	+1.4
Hartford . . .	67	-1	2.4	-1.1	St. Louis . . .	69	-6	3.4	-1.0	TEX.Abilene . . .	81	+1	1.0	-1.8
D.C.Washington . . .	72	-3	3.4	- .1	Springfield . . .	68	-6	5.8	+1.1	Amarillo . . .	75	0	3.3	- .2
FLA.Apalachicola . . .	80	0	3.4	-1.9	MONT.Billings . . .	67	+4	1.9	- .7	Austin . . .	80	-2	1.2	-2.9
Daytona Beach . . .	79	0	8.7	+2.1	Glasgow . . .	66	+4	2.0	- .7	Beaumont . . .	79	-2	1.4	-3.4
Ft. Myers . . .	80	-1	20.1	+11.2	Great Falls . . .	67	+6	1.1	-2.0	Brownsville . . .	81	-2	4.6	+1.8
Jacksonville . . .	77	-2	5.5	- .8	Havre . . .	67	+5	.2	-2.4	Corpus Christi . . .	81	-1	2.4	- .3
Key West . . .	83	-1	3.0	-1.6	Helena . . .	65	+6	.3	-2.1	Del Rio . . .	84	0	T	-2.0
Lakeland . . .	79	-2	13.6	+6.9	Kalispell . . .	63	+6	1.8	- .8	El Paso . . .	83	+3	.4	- .2
Miami . . .	82	+1	8.1	- .9	Miles City . . .	69	+4	1.3	-2.0	Fort Worth . . .	79	-2	5.4	+2.3
Orlando . . .	80	0	15.3	+8.2	Missoula . . .	65	+6	1.4	- .7	Galveston . . .	81	0	2.0	+2.1
Tallahassee . . .	78	-2	3.8	-2.8	NEBR.Grand Island . . .	70	-1	2.7	-1.7	Houston . . .	80	-1	.6	-3.9
Tampa . . .	77	-4	13.8	+7.3	Lincoln . . .	71	-1	.9	-4.1	Lubbock . . .	79	+2	1.1	-1.7
W.Palm Beach . . .	80	-1	4.9	-3.2	Norfolk . . .	69	-1	7.1	+2.2	Midland . . .	81	+1	.8	- .7
GA.Atlanta . . .	73	-3	3.2	- .5	N.Platte . . .	67	-1	3.9	+ .1	San Angelo . . .	81	-1	.2	-1.7
Augusta . . .	74	-4	3.6	- .1	Omaha . . .	70	0	1.8	-3.1	San Antonio . . .	79	-3	1.0	-1.8
Macon . . .	76	-4	2.9	-1.0	Valentine . . .	68	+1	1.3	-2.3	Victoria . . .	81	-1	3.3	0
Savannah . . .	77	-2	6.0	+ .1	NEV.Ely . . .	64	+6	T	- .9	Waco . . .	80	-2	1.1	-1.6
HAWAII.Hilo . . .	75	0	4.8	-1.8	Las Vegas . . .	89	+7	0	- .1	Wichita Falls . . .	80	-1	1.4	-2.0
Honolulu . . .	79	0	1.5	+1.2	Reno . . .	64	+2	T	- .4	UTAH.Blanding . . .	71	+5	0	- .5
Kahului . . .	79	+1	1.9	+ .3	Winnemucca . . .	69	+7	0	-1.0	Salt Lake City . . .	73	+7	.3	- .4
Lihue . . .	79	+1	1.9	+ .3	N.H.Concord . . .	63	-2	1.8	-1.6	VT.Burlington . . .	67	+2	4.5	+1.0
IDAHO.Boise . . .	72	+7	.6	- .5	N.J.Atlantic City . . .	68	-2	2.5	- .9	VA.Lynchburg . . .	68	-5	2.9	- .5
Lewiston . . .	71	+6	.5	-1.3	Trenton . . .	69	-2	2.8	- .4	Norfolk . . .	73	-2	4.8	+1.2
Pocatello . . .	67	+5	T	-1.3	N.MEX.Albuquerque . . .	80	+5	.2	- .3	Richmond . . .	71	-3	1.8	-1.7
ILL.Cairo . . .	73	-5	4.6	+ .2	Roswell . . .	79	+2	T	-1.2	Roanoke . . .	68	-4	2.9	-2.6
Chicago . . .	67	-4	6.2	+2.2	N.Y.Albany . . .	65	-3	3.3	+ .3	WASH.Colville . . .	65	+4	.2	-1.5
Moline . . .	67	-4	8.8	+4.4	Binghamton . . .	63	-2	3.5	- .1	Omak . . .	66	+2	1.1	-1.2
Peoria . . .	66	-3	11.7	+7.8	Buffalo . . .	66	0	3.9	+1.7	Quillayute . . .	55	0	3.1	- .4
Rockford . . .	66	-3	6.3	+1.9	New York . . .	69	-3	2.5	- .4	Seattle-Tacoma . . .	63	+3	1.3	- .2
Springfield . . .	68	-5	5.0	+ .8	Rochester . . .	66	-1	2.6	+ .1	Spokane . . .	66	+4	.2	-1.2
IND.Evansville . . .	71	-4	3.8	+ .2	Syracuse . . .	66	-1	4.7	+1.6	Walla Walla . . .	71	+4	.3	- .9
Ft. Wayne . . .	67	-3	2.3	-1.6	N.C.Asheville . . .	67	-4	3.7	- .3	Yakima . . .	68	+3	.1	- .6
Indianapolis . . .	69	-3	5.2	+1.0	Charlotte . . .	72	-4	2.3	-1.4	W.Va.Beckley . . .	63	-4	4.4	+ .2
South Bend . . .	67	-2	4.1	+ .4	Graensboro . . .	71	-3	2.7	-1.2	Charleston . . .	68	-4	5.1	+1.8
IOWA.Burlington . . .	70	-1	6.9	+2.2	Hatteras . . .	74	0	8.3	+3.5	Huntington . . .	68	-4	4.9	+1.5
Des Moines . . .	69	-2	4.6	- .3	Raleigh . . .	72	-2	4.0	+ .3	Parkersburg . . .	68	-4	5.2	+1.2
Dubuque . . .	64	-4	7.7	+2.4	Wilmington . . .	76	-2	5.4	- .2	WIS.Green Bay . . .	62	-3	4.9	+1.5
Sioux City . . .	70	-2	3.3	-1.3	N.DAK.Bismarck . . .	63	-1	.5	-3.1	La Crosse . . .	66	-3	4.3	- .1
KANS.Concordia . . .	71	0	3.8	-1.2	Fargo . . .	64	-1	.9	-2.3	Madison . . .	64	-2	3.9	- .4
Dodge City . . .	74	0	4.1	+ .8	Williston . . .	65	+2	1.9	-1.4	Milwaukee . . .	62	-3	3.5	- .1
Goodland . . .	69	-4	4.0	+1.1	OHIO.Akron-Canton . . .	66	-2	2.7	- .8	WYO.Casper . . .	65	+3	.6	- .8
Topeka . . .	70	-3	3.7	-2.1	Cincinnati . . .	68	-4	4.4	+ .6	Cheyenne . . .	64	+3	2.8	+ .4
Wichita . . .	73	-6	2.8	-1.7	Cleveland . . .	66	-2	3.6	+ .3	Lander . . .	66	+5	.4	-1.5
KY.Lexington . . .	67	-6	7.2	+2.9	Columbus . . .	68	-2	5.0	+ .9	Sheridan . . .	66	+5	.5	-2.5
Louisville . . .	69	-4	2.6	-1.5	Dayton . . .	67	-4	4.5	+ .6	P.R.San Juan . . .	83	+3	2.3	-3.3
					Toledo . . .	65	-4	3.3	- .1					

Based on 1940-71 Normals.

(continued from page 7)

alfalfa 95% completed. Corn and soybeans advanced rapidly, condition fair to good. Average height corn 27 in., 5-year average 31 in. Soybeans 11 in., same as average. Oats, barley, spring wheat mostly headed and flax blooming in southern two-thirds of state. Small grain in important northwest continues behind average progress, just starting to head. Rainfall needed for crop development as moisture becoming short.

MISSISSIPPI: Below normal temperatures early in week, but normal, or above by midweek. Extreme: 96° Merrill on 5th, to 52° Greenwood on 29th. Average temperatures generally 3 to 5° below normal. Little or no rain first of week. Isolated showers and thundershowers on 3rd, more numerous on 5th and weekend.

Soil moisture short to adequate north half and mostly short south half. Fieldwork averaged 5.7 days suitable. Peaches 70% harvested, 65% last year. Wheat 97% harvested. Oats 97% harvested. Hay 30% harvested, 48% last year. Soybeans 82% planted, 96% 1973. Soybeans 58% up to a stand, 85% a year ago. Sorghums 77% planted, 94% 1973. Sorghums 56% up to a stand. Sweetpotatoes 94% planted, 92% 1973. Cotton 68% squaring, 58% 1973. Cotton 23% setting bolls, 12% 1973. Corn 58% silked, 26% 1973. Cotton and soybeans in poor to good condition. Corn, peaches and pastures in fair to good condition. Rice mostly good condition.

MISSOURI: Temperatures averaged near normal. Precipitation generally ample but varied from none east central and southeast to 2.00 to 6.00 in. north central and northeast. Temperatures near or above 90° three or four days.

Fieldwork: 5 days suitable. Soil moisture short to adequate. Soybeans 94% planted, normal 81%. Sorghum 94% planted 79% normal. Corn 13% silked, condition fair to good. Cotton 27% squaring, condition mostly poor to fair. Wheat harvest 82% complete, 68% 1973, 65% normal. Second cutting alfalfa hay 51% complete. Harvest clover timothy hay 67% complete.

MONTANA: Moderate temperatures and widespread thunderstorms gave relief to crops. Western and central counties short of moisture. Winter wheat good east, poor to fair southwest, fair to good elsewhere. Winter wheat 70% headed, 20% turning. Spring grains mostly fair to good condition, some north-central counties rated poor. Sugarbeets and potatoes in good condition. Alfalfa 55% harvested. Cattle and sheep generally good condition.

Temperatures near or slightly below normal. Maximums upper 80's and lower 90's. Thunderstorm activity most areas, with significant amounts all but western areas.

NEBRASKA: Precipitation light and scattered. Temperatures above normal.

Fieldwork: 7 days suitable. Topsoil moisture supplies 96% short, 4% adequate. Subsoil moisture supplies 61% short, 39% adequate. Wheat harvesting 65% completed compared to 15% 1973, 35% normal. Southern counties completed harvested. Panhandle and north beginning. No storage or transportation problems. Corn condition declined; mostly good. Corn waist high or higher, early fields tasseling, irrigating heavily. Soybean and sorghum condition declined, mostly good, showing stress from heat and drought. Sugarbeet second hoeing continuing, early fields closing over, requiring much irrigation. Dry beans good. Alfalfa and wild hay condition fair to good. Second cutting alfalfa 25%

completed. First cutting wild hay started. Range and pasture feed supplies declined sharply, 66% short, 34% adequate. Livestock good, some hay being fed.

NEVADA: Warm, dry weather continued. Temperature extremes: 109° Logandale to 24° Mountain City. Isolated thundershowers: Austin 0.11 in.; trace amounts other northern sites.

Extremely dry, fire hazard high, livestock holding up well although ranges below far. Winter wheat turning ripe northwest, all harvested southern valleys. Cotton squaring stage Fahrump Valley. Potatoes in blossom stage.

NEW ENGLAND: Frequent scattered thunderstorms and showers with precipitation in region daily. Amounts over 1.50 in. in south and central. Violent thunderstorm in southeastern Maine on 4th with many trees felled and some property damage. High's from 70's to 90's except some 60's northern Maine. Low's mostly in 50's to 70's with some 40's northern Maine. Warm weather helped growth all crops, showers slowed haying. Crop damage south Maine the 4th from severe storm. Potato crop good to excellent all areas. Apples sizing well. Cranberry bogs in Mass. Dry, most irrigated. Strawberry harvest ending south, starting north.

NEW JERSEY: Warm week, temperatures 2 to 4° above normal. Averages: 74° north, 78° central 79° south. Extremes: 97° at Hammonton on 4th and 53° at Long Valley and Bridgeton on 2nd. Week's rainfall averaged 0.28 in. north, 0.86 in. central, 1.12 in. south. Heaviest 24 hour totals were 1.89 in. at Trenton; 1.75 in. at Bridgeton; 1.57 in. at Glassboro. All on afternoon and evening of 5th. Some hail with storm.

Soil moisture as of July 8, averaged 72% field capacity northern, 69% central and 68% in southern counties. Hot weather advanced crop development. Light tomato and sweet corn harvest underway. Cucumber and pickle harvest increasing. A few early cooking apples available. Blueberry movement good. Potato harvest continues light. Barley harvest well advanced. Wheat combines underway. Second cutting alfalfa started. Pastures in good condition.

NEW MEXICO: The rains came. Hot early week with spotty local, light showers. General showers appeared south on 4th and spread northward last half of week. Widespread, general rains most central regions on 5th and 6th with numerous totals from 0.50 in. to more than 2.00 in. northern border least benefited. Cooling trend late week with temperatures averaging near normal.

Beneficial rains southwest, spotty elsewhere, continuing very dry. Irrigated crops fair to good, dryland poor. Wheat, barley harvest windup east, continuing north. Irrigated grain sorghum 25% headed. Cotton good progress, blooming, boll setting started. Alfalfa hay second cut finishing south, third cut underway; north second cut continuing. Onion harvest Mesilla Valley interrupted by rains. Livestock fair, ranges mostly very dry. Hauling water, supplemental feeding general.

NEW YORK: Precipitation main weather highlight, especially central and east. Thunderstorms brought rain on 3rd along Mohawk River and Catskills threatening low-lying areas with flash floods. Syracuse received 3.65 in., Utica 1.38 in., Rome 1.25 in., Albany 1.42 in. Utica's rain, combined with 3.05 in. day before, brought Mohawk River near flooding. At Schenectady

River came within half foot of flooding. Temperatures 3 to 5° above normal. Highest 95° New York City on 4th, lowest 50° in Glens Falls.

Hay harvest near standstill and fieldwork delayed by rain. First cutting alfalfa 65% complete. Very little progress with clo-tim and grass silage. Hay quality near or past peak. Corn growth slow. Oats and wheat good condition some lodging due to heavy rainfall. Dry beans all planted. Long Island early variety sweet corn about ready. Cabbage and cauliflower transplanting underway. Sweet corn tassel upstate. Iceberg lettuce harvest continues. Orange County lettuce excellent quality and onions sizing well. Hudson Valley fruit good condition with sweet cherry harvest about finished. Western New York sweet cherries about ready, tarts expected to be ready in about 2 weeks. Strawberry harvest nearly complete all areas.

NORTH CAROLINA: Bermuda high pressure system firmly entrenched, near normal temperatures and scattered showers or thunderstorms confined mainly to mountains and central section. No rain along coast.

Corn, cotton, and peanuts fair to generally good. Soybean planting about finished. Crop looks good. Small grain harvest nearing completion. Flue-cured tobacco harvest 5% complete, 3% 1973. Irish potato harvest 70% complete, 62% in 1973. Peach harvest 40% complete, 46% 1973. Fieldwork averaged 5.1 days suitable.

NORTH DAKOTA: Temperatures above normal most of state, except west central. Highs: 98° Jamestown and Pretty Rock, 86° Westhope. Lows: 43° Beulah and Bismarck, 54° Fargo. Precipitation from 0.01 in. above normal southwest to 0.77 in. below normal north central. Greatest weekly rainfall 0.89 in. Dickinson. Weekend warm and dry.

Hot, dry conditions most of week put considerable stress on small grain crops. Scattered showers mid-week brought only minor relief. General rain and cooler temperatures needed for crop development. Haying and summer fieldwork most common farm activities. Livestock in generally good condition.

OHIO: Hot, humid with highs in upper 80's, low 90's. Scattered precipitation everyday except 2nd and 3rd, from 1.40 in. to 0.01 in.

Winter wheat harvest 15% completed, 15% in 1973 and 20% normal. Most progress central and south central. Wheat 60% ripe, 50% in 1973, and 45% normal. Oats 15% ripe, 10% in 1973, and 15% normal. Average height: corn over 30 in., soybeans over 10 in.; both about normal. First cutting hay ahead of normal. Soil moisture 56% adequate, 26% short and 18% surplus. Fieldwork over 5 days.

OKLAHOMA: Temperatures averaged 3° below normal to 4° above. Precipitation mostly light, up to about 0.60 in. south central. Weekend hot, only light showers East Central.

Wheat harvest complete, 2 weeks ahead 1973. Soil moisture, 98% short, condition critical in many areas. All row crops planted. Cotton 18% squaring, peanuts 16% flowering. Corn 39% tasseling, some damage from corn rootworm. Pastures remain good, but need rain. Grasshoppers still present problem. Cattle good flesh, but supplemental feeding resumed in some areas.

OREGON: Showers reported over north over weekend, less than 0.25 in. Temperatures above normal early week. Cooling midweek, near or below normal temperatures. Maximum's 70's to 80's coast, 90's interior. Some areas reported 100%. Minimums lower 30's to lower 50's.

Barley harvest underway Columbia Basin Counties. Wheat ripening fast. Cool weather helping kernels fill. Spring grain heading. Grass seed swathing continues. Threshing crimson clover and bluegrass. Second cutting hay starting. Green pea harvest continues, some bunching. Broccoli harvest underway. Potato rows closing behind schedule Klamath Falls. Cherry harvest complete Milton-Freewater, continues in the Dalles, Mid Willamette Valley. Strawberry harvest continuing, higher elevations, berries small. Pickers in short supply. Raspberry harvest underway, some mechanical picking. Walnuts sizing. Some filbert abortion occurring. Livestock in good condition. Higher elevation ranges good.

PENNSYLVANIA: Typical summer week, warm temperatures, high humidity and early evening thunderstorms. Temperatures several degrees above normal 72° and rain generally less than 0.25 in. Sunbury got 2.33 in. rain on 5th. Harrisburg had high of 95° on 3rd and Germania low of 47° on 7th.

Soil moisture adequate 65%, surplus 35%. Barley 20% harvested, 50% ripe but not harvested. Winter wheat harvest beginning, 30% ripe. Oats 75% headed and some beginning to ripen. Corn height averages 22 in. Second cutting of alfalfa underway. Hay made during week mostly poor to fair quality. Hay crops are becoming over-mature because harvest has been delayed by poor curing weather. Pastures are yielding average amounts of feed. Apples and peaches are sizing well.

PUERTO RICO: Average rain 0.75 in., 0.43 in. below normal. Highest weekly total rain 4.06 in. Hormigueros, 3.34 in. San Sebastian. Temperatures averaged about 81° coasts, 75° interior. Maximum 96°, minimum 55°. Water rationing continues in San Juan area and other municipalities from continued drought.

Drought continues affecting development of sugar-cane ratoons, new planting and coffee beans except eastern/interior and western/interior sections where recent rains helped all field operations. Drought continues to seriously affect pasture lands mainly south coastal areas. Food crops affected seriously by dry condition most of island except in eastern/interior and western/interior.

Hailstorm occurred some western/interior areas including Maricao and Hacienda Constanza on 29th. Its duration was between 40 and 50 minutes. Pigs and poultry reported killed.

SOUTH CAROLINA: Temperatures averaged near normal; slightly cooler beginning and end of period. Rainfall slightly above normal west near normal elsewhere. Rain mostly last half week in scattered thundershowers.

Weekend rains brought relief areas still short; made other areas surplus. Activities slowed by wet fields. Tobacco 38% harvested, 11% 1973, condition good; leaf thin to medium; color fair to good. Cotton condition down but still good. Soybean planting 93% complete, 81% 1973; condition plants stands good. Corn condition fair to good. Sorghum planting 91% complete, 82% 1973; plants stands good condition. Peach quality improving, general crop condition fair to good; harvested 44%, 24% 1973. Hay crops, pastures, watermelons fair to good condition.

SOUTH DAKOTA: Temperatures averaged 4 to 10° above normal weekend temperatures climbed above 100°. Extremes: 110° at Philip 6th, 42° at Oral 4th. Scattered thundershowers 2nd and 3rd brought 1.00 in. to a few areas. Most precipitation averaged 0.50 in. Moisture deficits since first of year in

southern half of state from 2.33 to more than 6.00 in. Some locations in northern half from 2.00 to 3.00 in. short.

Winter wheat and rye 90% turning color, 40% winter wheat ripe, 30% rye ripe, both well ahead of normal. Most spring grain has headed. Spring wheat, oats, and barley 25%, 40%, 45% turning; 5%, 10%, 20% ripe, respectively. All well ahead of normal. Heat and dry conditions hurting outlook on grain yields. Corn is progressing normally, beginning to show heat stress. Soybeans and flax seed development ahead of normal. Rain is needed for all crops and pastures. Stock water shortage is critical.

TENNESSEE: Temperatures near normal except a few degrees below normal southeast. Rain less than 0.25 in. to over 1.50 in. Heavier in middle and east.

Dry weather hampering crop development. Soil moisture, rated short 66%. Condition of pastures dropped sharply now poor to fair. Soybean acreage 90% planted, usually completed by July 1. Few plants started blooming; normal 10%. Corn silked 20% compared with 15% 1973, 35% average. Many stalks tasseling out short. Earlier planted corn in good condition, late planted poor. Cotton 40% square, 50% 1973, 65% normal. Plants short for time of year. Rapid harvesting of wheat, oats and barley. Barley 95%; wheat and oats 90% harvested. Harvest week ahead of 1973 and most years.

TEXAS: Typical summer weather dominated week. Hot afternoon temperatures, mild nighttime readings, temperatures near normal. Rainfall averaged near normal. Driest portions far west. Wettest portion extreme South. Rainfall averaged 1.00 in. above normal.

Harvest wheat, oats reached completion, yields disappointingly low. Planting cotton, soybeans, peanuts delayed by short moisture conditions. Some dryland cotton, sorghum, peanuts may not get planted, moisture short. Harvest sorghum, rice underway southern areas. Several counties ginned first bales cotton, general harvest several weeks away. Major crops percent harvested: Wheat 1974 100, 1973 93; oats 1974 100, 1973 98; sorghum 1974 11, 1973 0. Percent planted: Cotton 1974 99, 1973 100; sorghum 1974 96, 1973 100, peanuts 1974 81, 1973 95; soybeans 100, 1973 94. High Plains: Onion harvest in full swing. Potato digging underway. Cucumber picking beginning. Cabbage making good growth. Trans-Pecos: Lettuce harvest complete in El Paso County. Watermelons, cantaloupes showing stress from dry, hot weather. High Plains: Onion harvest in full swing. Potato digging underway. Cucumber picking beginning. Cabbage making good growth. Trans-Pecos: Lettuce harvest complete in El Paso County. Watermelons, cantaloupes showing stress from dry, hot weather. Knox-Haskell: Potato harvest virtually complete. Watermelon, cantaloupe harvest to start. East: Tomato harvest past peak. Light watermelon harvest underway. Central: Tomato harvest virtually complete. Watermelons, cantaloupe harvest continues. Lower Rio Grande Valley: Land and Seedbed preparation for fall vegetable crops continues. Peach harvest continues most areas. Pecan trees many areas need of rain. Spraying underway for second generation casebearer. Some citrus areas received rain, most groves still requiring heavy irrigation.

Pastures declining, livestock continue fair to good condition. Supplemental feeding western areas maintain condition. Hay baling active, prospects

further cutting declined, hot, dry weather. Most areas short of baling twine and wire. Screwworm cases most localities, new case found Trans-Pecos.

UTAH: Light showers north forepart of period, accumulation less than 0.25 in., except few stations along Wasatch Front with 0.50 in. or more. Average temperatures 1 to 6° above normal. Soil temperatures also continued well above normal.

Shortage of soil moisture major concern to farmers and ranchers. Nonirrigated crops and range lands burned under the hot sun and dry winds. Production prospects rated poor to fair for winter wheat. Harvest beginning in drier areas. Harvest first crop alfalfa nearly completed except for higher elevation. Sweet cherry picking reached half way, good quality and size. Labor shortage, however, beginning to hold up harvest some areas. Potato prospects good and sugarbeets progressing well. Corn for silage and grain was rated good. Feed on ranges in use, adequate, moisture needed.

VIRGINIA: Showers and thunderstorms mostly north central, east and southwest early in week. Extremes: 96° and 42°.

Topsoil moisture, 63% adequate, 32% short, 5% surplus. Fieldwork: 5.1 days suitable. All crops remain in good condition. Corn 16% silked. Small grain harvest: Barley 90% complete; oats 72%; wheat 64%. Onion-garlic bublets in some wheat causing discounted prices. Flue-cured tobacco harvest started. Prospects good for all types of tobacco. Large quantity of second cutting hay saved. Potato harvest continuing, yields generally up from 1973. Most vegetables in harvest stage. Pastures in good condition.

WASHINGTON: West: Maximum temperatures 60's and 70's, minimum 40's and 50's. Precipitation 0.03 to 0.09 in. Strawberry harvest peaking, raspberry harvest beginning along with early blueberries. Cherry harvest remained active. Pea harvest in north. Broccoli heads forming, cabbage setting seed, spring turnips in bloom. Sweet and silage corn side-dressed, cultivated. Carrots look good. Dairymen farming more acreage for forage than usual. Livestock in good condition on lush pastures.

East: Maximum 70's to 90's, minimum 40's and 50's. Few scattered showers end of period. Cherry harvest 8 to 10 days behind 1973, continues active. Apples sizing well, thinning continues. Cultivation of row crops underway with good plant growth. Early vegetables being harvested. Second cutting alfalfa started. Pea yields less than expected. Wheat, barley fields maturing fast. Some barley harvest started. Burning of shallow soiled wheat fields and wind damage occurring. Swathing seed grass fields. Hay crops good in general. Pasture and ranges good.

WEST VIRGINIA: Temperatures above normal. Scattered thundershowers beginning and end of week. Good drying conditions midweek. Precipitation below normal except central near normal.

Soil moisture adequate. Favorable work days 4.5. Major field activities: Hay harvest, gardening and cultivating. Hay first cutting 66% complete, condition fair to good. Wheat harvest starting, 50% ripe. Barley 50% harvested. Oats 55% heading, 28% turning yellow, in good condition. Corn making good growth. Pasture and livestock in good condition.

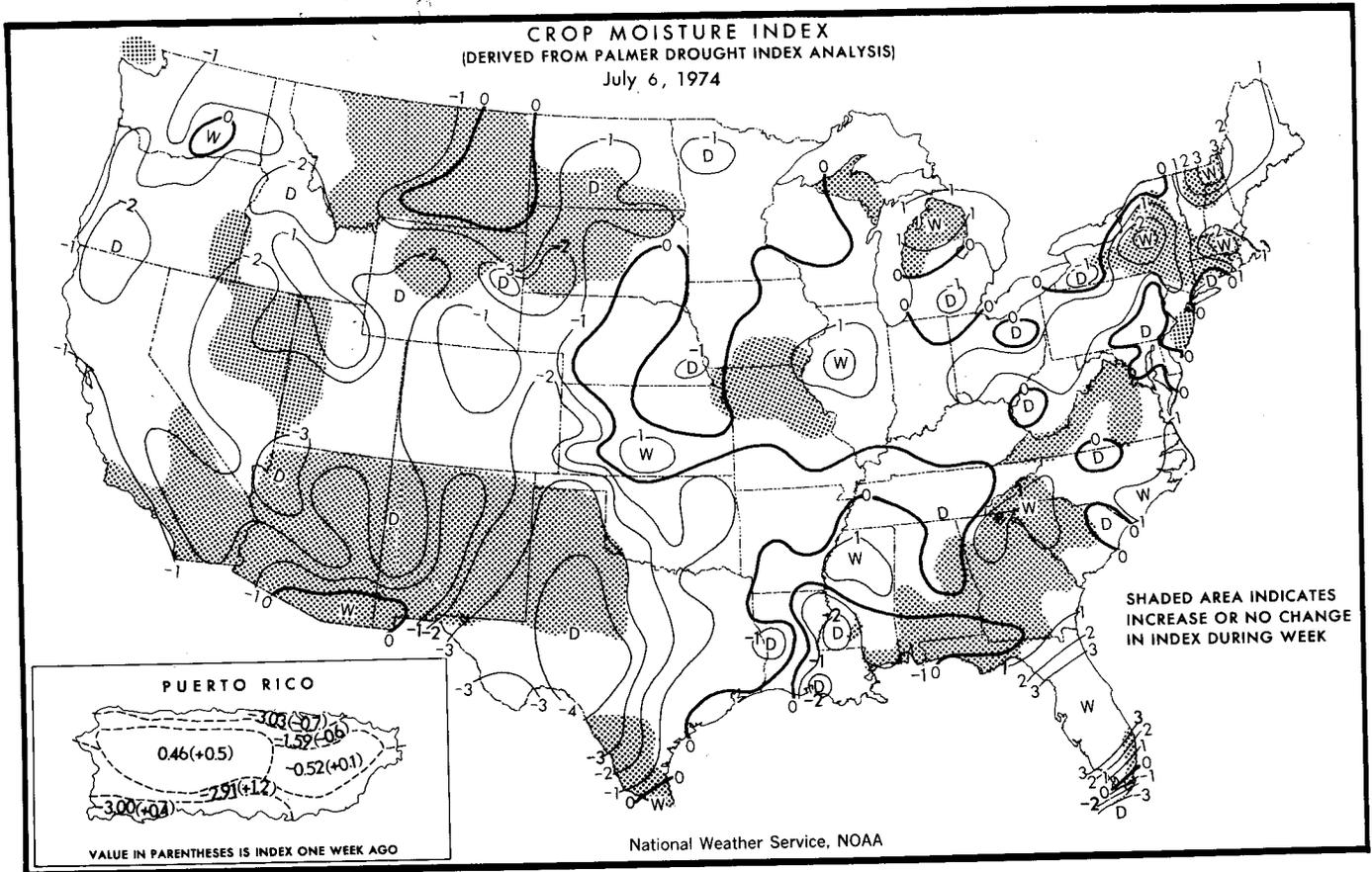
WISCONSIN: Temperatures averaged 3 degrees above normal. Very warm, in 90's through Wednesday. Cooler on 4th but warming again to 90's by Sunday. Rainfall variable in storms Tuesday and Wednesday,

from less than 0.50 in. west to 1.00 in. east.

Corn responding to hot weather, needs more moisture. Corn averages 17 in. high, 1973 22 in., normal 20 in. First crop haying near end 90% harvested, 1973 80%, normal 70% Generally good quality. Oats heading fast in hot weather. Oats 55% headed, normal 70%. Early oats and winter wheat changing color. Soybeans behind normal due to late planting. Most tobacco planted. Early pea harvest going well. Sweet corn shows improvement. Irrigated potatoes very good. Strawberries good. Soil moisture 30% short, 65% adequate, 5% surplus. Insects becoming more of a problem.

WYOMING: Temperatures mostly above seasonal, highs low 90's, lows in 40's. Precipitation amounts varied. Several locations reported no precipitation, northeast received substantial amounts.

Topsoil moisture supplies short most areas. Ranges. pastures generally fair. Winter wheat 65% turning color, 5% mature, harvesting just started. Spring wheat 80%, barley 70%, and oats 60% headed. First cutting alfalfa hay 50% harvested, other hay 10%. Irrigating, cultivating, weeding row crops continued. Prospects for late summer early fall grazing poor to fair.



SHADED AREAS: Index increased or did not change last week

Index

Above	3.0	Excessively wet, some fields flooded
2.0 to	3.0	Too wet, some standing water
1.0 to	2.0	Prospects good, some fields too wet
0 to	1.0	Moisture adequate for present normal 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
Below	-4.0	Not enough rain, still extremely dry

UNSHADED AREAS: Index decreased last week

Index

Above	3.0	Some drying, but still excessively wet
2.0 to	3.0	More drying weather needed, work delayed
1.0 to	2.0	Favorable, except still too wet in spots
0 to	1.0	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 near ruin

The map gives a general picture of how wet or dry the Nation was last week. It shows areas where abnormal wetness or dryness have hindered crops and areas where moisture conditions have favored them.

The lines show the crop-moisture situation according to an index computed from values of temperature and precipitation by areas...350 climatological divisions, which correspond roughly to SRS's crop reporting districts. Previous weekly computations of soil moisture account for the effects of prior weather.

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

The centers of wet or dry areas are marked: W=wet; D=dry. The map lines mark off crop situations. Use the legend to interpret.

Local variations caused by isolated rain or by soil differences are not shown. While shallow rooted crops in poor soils may suffer more than the map shows, conditions may be better where soils are good. Also, legends apply to growing rather than mature plants. Any map interpretation must consider both the growth stage and moisture status and trend. In irrigated regions, the index values reflect only departures from ordinary irrigation requirements.



FIRST CLASS MAIL

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Heating Degree Days (Base 65° F.)

June 1974

ALA. Birmingham . . .	0	MAINE, Caribou . . .	81	OKLA. Okla. City . .	0
Mobile	0	Portland	131	Tulsa	0
Montgomery	0	MD. Baltimore . . .	14	OREG. Astoria . . .	257
ALASKA, Anchorage .	279	MASS. Boston . . .	77	Burns U.	84
Barrow	1045	Chattam	159	Medford	30
Fairbanks	187	MICH. Alpena . . .	151	Pendleton	29
Juneau	436	Detroit	54	Portland	72
Nome	652	Flint	71	Salem	123
ARIZ. Flagstaff . . .	67	Grand Rapids . . .	113	PA. Allentown . . .	32
Phoenix	0	Houghton Lake . . .	135	Erie	101
Tucson	0	Lansing	94	Harrisburg	2
Winslow	9	Marquette U	192	Philadelphia . . .	11
Yuma	0	S. Ste. Marie . . .	164	Pittsburgh	54
ARK. Fort Smith . . .	1	MINN. Duluth	206	Scranton	65
Little Rock	0	Internatl Falls . .	145	R. I. Providence . .	62
CALIF. Bakersfield . .	0	Minneapolis	72	S. C. Charleston . .	0
Eureka U.	321	Rochester	78	Columbia	0
Fresno	0	St. Cloud	97	Greenville	0
Los Angeles U	1	MISS. Jackson . . .	0	S. DAK. Aberdeen . .	73
Red Bluff	0	Meridian	0	Huron	73
Stockton	0	Vicksburg U	0	Rapid City	87
San Diego	4	MO. Columbia	20	Sioux Falls	85
San Francisco	45	Kansas City	6	TENN. Chattanooga .	16
COLO. Denver	67	St. Louis	21	Knoxville	10
Grand Junction	3	Springfield	18	Memphis	0
Pueblo	37	MONT. Billings . . .	0	Nashville	3
CONN. Bridgeport . . .	25	Glasgow	70	TEX. Abilene	0
Hartford	37	Great Falls	85	Amarillo	0
D. C. Washington . . .	4	Havre	60	Austin	0
FLA. Apalachicola . .	0	Helena	99	Beaumont	0
Ft. Myers	0	Kalispell	125	Brownsville	0
Jacksonville	0	Miles City	59	Corpus Christi . . .	0
Key West	0	Missoula	103	Dallas	0
Lakeland U.	0	NEBR. Grand Island .	40	Del Rio	0
Lakeland U.	0	Lincoln	32	El Paso	0
Miami	0	Norfolk	45	Fort Worth	0
Orlando	0	North Platte	62	Galveston U.	0
Pensacola U	0	Omaha	31	Houston	0
Tallahassee	0	Valentine	65	Lubbock	0
Tampa	0	NEV. Ely	93	Midland	0
GA. Atlanta	0	Las Vegas	0	San Angelo	0
Augusta	0	Reno	72	San Antonio	0
Macon	0	Winnemucca	52	Victoria	0
Savannah	0	N. H. Concord	99	Waco	0
IDAHO, Boise	42	N. J. Atlantic City .	27	Wichita Falls	0
Lewiston	37	Trenton U	26	UTAH, Blanding R . .	-
Pocatello	78	N. MEX. Albuquerque .	4	Salt Lake City . . .	41
ILL. Cairo U.	2	Roswell	0	VT. Burlington . . .	37
Chicago	51	N. Y. Albany	54	VA. Lynchburg	16
Moline	35	Binghamton	90	Norfolk	0
Peoria	42	Buffalo	51	Richmond	5
Rockford	59	New York	27	Roanoke	14
Springfield	29	Rochester	59	WASH. Colville . . .	95
IND. Evansville	6	Syracuse	52	Omak	-
Fort Wayne	38	N. C. Asheville	24	Quilayute	295
Indianapolis	18	Charlotte	0	Seattle-Tacoma . . .	99
South Bend	51	Greensboro	0	Spokane	97
IOWA, Burlington . . .	39	Hatteras R.	0	Walla Walla U. . . .	30
Des Moines	20	Raleigh	0	Yakima	72
Dubuque	86	Wilmington	0	W. VA. Beckley	113
Sioux City	25	N. DAK. Bismarck . .	120	Charleston	25
KANS. Concordia	19	Fargo	86	Huntington	23
Dodge City	2	Williston U	81	Parkersburg U	26
Goodland	51	OHIO, Akron-Canton .	45	WIS. Green Bay	132
Topeka	7	Cincinnati U.	31	Madison	90
Wichita	1	Cleveland	49	Milwaukee	106
KY. Lexington	37	Columbus	31	WYO. Casper	105
Louisville	19	Dayton	42	Cheyenne	110
LA. Baton Rouge	0	Toledo	71	Lander	91
Lake Charles	0	Youngstown	60	Sheridan	95
New Orleans	0				
Shreveport	0				

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