

WEEKLY WEATHER AND CROP BULLETIN

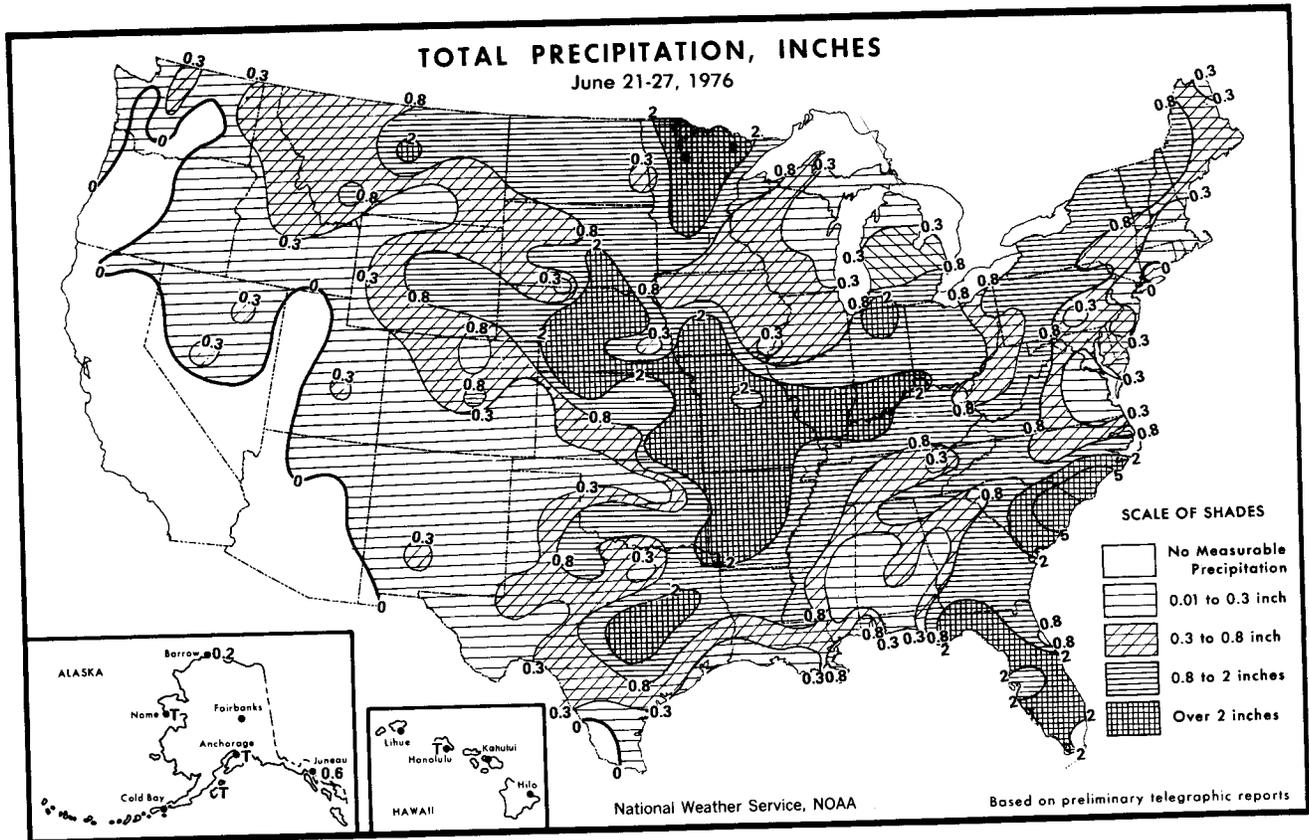
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National Weather Summary For the Week of June 21-27

HIGHLIGHTS: Near or slightly below normal temperatures dominated most of the Nation during the week, except the lower California Coast, which sizzled under 90 to 100° heat, and the New England States. Scattered showers and thundershowers turned up in most sections of the U.S., especially the central Plains, middle Mississippi and Ohio Valleys, and nearly all of Florida. Forecasters tracked isolated severe weather in parts of the Midwest. Tornadoes and hail accompanied heavy midweek thunderstorms from the Atlantic westward through the Great Plains region.

In the southeast quarter of the Nation, only the calendar testified that Monday was the first day of summer. More than two dozen cities chalked up record low readings: Springfield, Mo. 49°, Shreveport, La. 56°, Jackson, Miss. 57°, and Fort Worth, Tex. 58°.

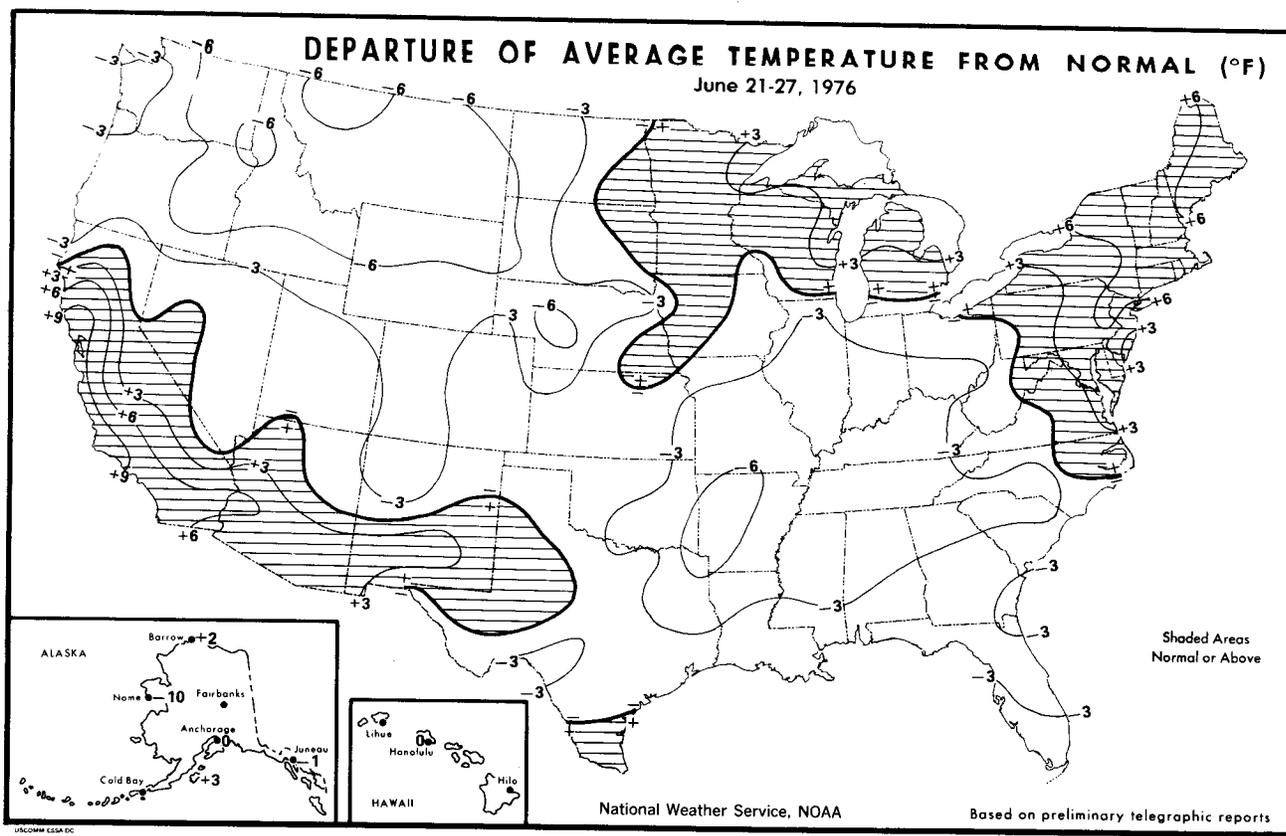
In the East forecasters blamed a sluggish

frontal system for scattered showers and thunderstorms--locally heavy in places--from Maine along the Appalachians to the Atlantic and into Florida and across parts of the Ohio Valley.

Joining forces with another frontal system, a low pressure center triggered some thundershowers over the Texas Panhandle into the Colorado High Plains and in Oklahoma and northern New Mexico. In the West still another front brought scattered precipitation to northern portions of the Rockies and Intermountain region. Winds to nearly 60 mph swept across Utah.

On Tuesday, isolated to scattered showers and thunderstorms turned up in all sections of the Nation, except Oregon, California, and Arizona. Areas along the Atlantic Coast experienced the heaviest and the most activity and other strong storms took shape in North Dakota.

Clouds darkened the eastern two-thirds of the Nation. Though little of the storm activity was



severe, one tornado unroofed a home near Jacksonville, Fla. and another touched down near Denver, Colo.

During the day scattered showers and thunderstorms stretched along the Rockies, into the Plains and Midwest. Other thundershowers rumbled across the Gulf Coast, southern Atlantic States, southeast Great Lakes States, and portions of New England.

Heavy thunderstorms poured across much of the Nation at midweek, from the Atlantic westward through the Great Plains region. Locally heavy rains saturated parts of Missouri and Arkansas. In Wilmington, N.C. some streets collected as much as $1\frac{1}{2}$ feet of water.

Generated by a sluggish cold front, the strongest thunderstorms developed in a line from the Texas Panhandle into southeast South Dakota. Kansas took the worst beating, claiming 9 of the 15 tornadoes that touched down in the area.

Winds to 70 mph whirled by Tipton, Kan. and large hail damaged crops in western areas. Nearby, winds in Mississippi caused one injury and damaged several mobile homes.

Thursday's major weather theme--thunderstorms. As the cold front chugged slowly across central U.S., a broad band of showers and thunderstorms dumped heavy rains from the Mississippi and Ohio Valleys into the Great Lakes region and New England.

As cool air streamed into the northern Rockies, early afternoon readings slipped into the mid 50's to mid 60's. In contrast, unseasonably warm temperatures baked the Southwest and New England. In California, the mercury shot up to 92° in Oakland, 95° in San Francisco, and south of the bay area, hit 100° in San Jose and Salinas. In the Northeast the mercury cracked previous record highs in Port-

land, Me. 93° and Boston, Mass. 95° .

Some locally heavy rains accompanied thunderstorms on Friday that continued to move slowly through Texas, the lower Mississippi Valley, Gulf and southern Atlantic Coasts, Ohio Valley, and northern New England. Widely scattered precipitation stretched across the northern Great Lakes region and sections of the Dakotas into Montana.

In California, central and southern coastal areas continued to sizzle under temperatures ranging from 90 to 100° . In the Los Angeles basin, the mercury shot up to 104° in Ontario and 105° in Van Nuys.

While warm, humid air smothered the Atlantic and Gulf Coast States, cooler air streamed into northwest U.S., where nighttime temperatures slipped into the 30's and 40's over northern portions of the Rockies and Plateau region.

Near normal temperatures and precipitation created typical summer weather patterns across most of the Nation on Saturday.

Severe daytime weather included strong thunderstorms from Minnesota into Kansas. Two tornadoes destroyed buildings and injured three people in Omaha, Nebr., and winds to 100 mph rocked northwest Iowa. By nightfall, though, storm activity weakened, and only a few thundershowers remained over the upper Mississippi Valley and central Plains.

Sunday brought record low readings to the northern Plains, where North Platte, Nebr. measured 42° and Sheridan, Wyo. 35° . In contrast, readings in the 90's spread throughout the desert Southwest area, where Phoenix, Ariz. scored 100° by noon.

The Southern States claimed most end-of-week precipitation, which ranged from Texas across the Gulf Coast States through the Tennessee Valley into the Carolinas.

National Agricultural Summary

For the Week of June 21-27

HIGHLIGHTS: Showers slowed small grain harvest in the north central region and the East. Timely rains helped corn, and in all major producing areas the crop remained in good condition. Soybeans also were in good condition. Condition of the U. S. cotton crop ranged from poor to fair. Rain improved soil moisture in the North Central States, but many areas still need more moisture. Elsewhere in the Nation soil moisture was adequate, except in the Southwest. Pasture condition reflected the soil moisture supplies.

SMALL GRAINS: Showers delayed small grain harvest in the Eastern and North Central States, notably Kansas. Combining moved rapidly in the South Central States. Harvest stood at 27% complete nationwide, compared with 32% in 1975 and 29% average.

In Texas, wheat combining progressed rapidly, nearing completion in the southern, central, and eastern parts of the State. Cutting was active in the Panhandle. Harvest advanced to 64% complete statewide, compared with 66% in 1975 and 79% average. Wheat harvest began in the Oklahoma Panhandle. As farmers finished in southern areas of the State, harvest reached 77% complete, 70% in 1975 and 90% average. Weed infestations slowed combining in some northern areas.

At 15% complete, Kansas winter wheat harvest surpassed last year's 10% but lagged 35% average. Half of its wheat was ripe, the same as last year but behind 65% average. Though condition of Nebraska's wheat was only fair, the crop turned color and ripened ahead of 1975 and the average. Dry weather hastened maturity of small grains in South Dakota. At the same time, 70% of its winter wheat turned color, compared with 23% in 1975 and normal 48%. Most Minnesota small grains were too far advanced to benefit from recent rains.

CORN: The U. S. corn crop was in good condition but showed stress on light soils. Rains favored corn growth, but the crop needs more moisture soon, especially where soil moisture remains short. Corn averaged 15 to 33 inches high, less than last year but ahead of normal. Corn was 27 to 30% silked in the Southern States. Harvest was about to begin in Florida.

Iowa corn--in good to excellent condition--developed rapidly to an average height of 30 inches. Corn, earlier damaged by hail, recovered quite well. Average height of Illinois corn measured 33 inches, compared with 41 inches in 1975 and 26 inches normally; condition was good. In Minnesota, rains aided corn, which needs more moisture for continued growth. Early corn in Wisconsin curled on light soils but grew well on heavier soils. Herbicides were ineffective on dry soils.

COTTON: In the Southern States cotton was in poor to fair condition, except in Louisiana, where the crop was in good shape. Condition of Oklahoma's cotton was fair to good. About 6 to 8% of the cotton crop, or one-third to one-fourth of average, showed squares in Alabama, Mississippi, and Louisiana. In Georgia, 38% of the crop was squared, compared with last year's 52%.

Texas farmers wrapped up planting on the High Plains and began picking in the Rio Grande Valley. Some western fields need moisture. In Oklahoma

planting was almost finished. A few fields began squaring, and condition of the crop was good. In Arkansas, farmers disked some of the poorest cotton fields and planted soybeans.

SOYBEANS: Nationwide, only soybeans following harvest of small grains and cotton crop failures remained to be planted. Generally, U. S. soybeans were in good condition. Exceptions included some areas in the North Central States, where previously dry weather caused thin, uneven stands; and in Arkansas, where rains drowned recent plantings. In Iowa, soybean condition was good, but stands developed thin and unevenly, frequently yellowing in high lime soils. A few early soybean fields in Kansas bloomed. Heavy rain in Arkansas flooded considerable soybean acreage, which will be replanted along with poor cotton stands.

OTHER CROPS: In Texas, sorghum matured rapidly. Harvest continued in southern areas. Stands looked good, but rains could greatly help sorghum in western areas of the State. Oklahoma sorghum planting neared completion where emerged fields were in fair to good condition. Nebraska sorghum condition was good. Sorghum planting in Kansas advanced to 95%, compared with 80% in 1975 and 85% average.

Maine potatoes grew rapidly as growers applied herbicides. Idaho's potatoes were 85% emerged, 10 points ahead of 1975.

Haying was active throughout the Nation, but rains slowed harvest in the South Central States and the Middle Atlantic States. First cuttings were about complete in the North Central States.

FRUITS AND NUTS: Peach harvest got underway in Pennsylvania and New Jersey. Picking continued in Texas and Maryland. In North Carolina peaches reached 36% harvested, 33% in 1975 and 17% average. The South Carolina peach crop was 41% harvested, 24% in 1975 and 20% average. Georgia peaches, in good condition, were 59% picked, 63% last year and 47% average. Cherry harvest began in Pennsylvania, New York, Oregon, and California. Early apple picking began in Pennsylvania, New Jersey, Maryland, and Arkansas. Citrus harvests were active in Florida and Arizona. Florida citrus trees, in excellent conditions, added new growth and the new crop made good progress.

VEGETABLES: Green pea harvest was active in Wisconsin. In Florida harvest was nearly complete. Watermelons and sweet corn comprised most of the volume. Texas melon harvests declined in southern areas but continued elsewhere. Vegetable harvests were in the final stages in the Lower Rio Grande Valley, active in central, but not yet begun on the High Plains. California's heat wave pushed vegetables to early maturity but stressed strawberries and lettuce.

PASTURES AND LIVESTOCK: Pastures improved in the North Central States, responding to recent rains, but remained poor in South Dakota and Nebraska where cattlemen fed supplemental forage. Condition of pastures was good elsewhere, except in the Mountain States and California. California ranchers were concerned with possible range fires, subnormal water supplies, supplemental feeding, and culling herds.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., June 27, 1976

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 . . .	75	-4	T	-1.0	La. Baton Rouge . . .	79	-2	.6	-.4	Youngstown . . .	69	0	1.0	+.2
Mobile . . .	81	0	.9	-.7	Lake Charles . . .	80	-2	.1	-1.1	OKLA. Okla. City . . .	76	-3	.5	-.4
Montgomery . . .	79	-1	.6	-.4	New Orleans . . .	79	-2	T	-1.2	Tulsa . . .	77	-2	.2	-.8
ALASKA. Anchorage . . .	56	0	T	-.3	Shreveport . . .	77	-5	1.4	+.7	OREG. Astoria . . .	56	-2	.1	-.4
Barrow . . .	38	+2	.2	+.1	MAINE. Caribou . . .	67	+5	.3	-.5	Burns . . .	55	-7	.1	-.1
Fairbanks . . .	53	-1	.6	-.1	Portland . . .	70	+5	.5	-.2	Medford . . .	64	-3	0	-.1
Juneau . . .	54	+3	T	-.9	MD. Baltimore . . .	79	+5	.4	-.5	Pendleton . . .	63	-5	.2	-.0
Kodiak . . .	38	-10	T	-.3	MASS. Boston . . .	78	+8	.1	-.6	Portland . . .	61	-3	T	-.3
Nome . . .	62	+1	T	-.2	Chatham . . .	69	-1	T	---	Salem . . .	58	-5	0	-.3
ARIZ. Flagstaff . . .	92	+5	0	0	MICH. Alpena . . .	68	+5	.2	-.4	PA. Allentown . . .	78	+6	.2	-.6
Phoenix . . .	87	+3	0	0	Detroit . . .	70	0	1.0	+.2	Erie . . .	68	+1	.9	+.1
Tucson . . .	72	-2	0	0	Flint . . .	70	+2	.4	-.4	Harrisburg . . .	79	+5	.2	-.5
Winslow . . .	91	+3	0	0	Grand Rapids . . .	70	0	.5	-.3	Philadelphia . . .	80	+6	1.1	+.2
Yuma . . .	74	-6	1.5	+.7	Houghton Lake . . .	68	+3	.3	-.5	Pittsburgh . . .	69	-1	.4	-.4
ARK. Fort Smith . . .	75	-5	3.7	+2.9	Lansing . . .	70	+1	.7	-.1	Scranton . . .	75	+5	.9	+.1
CALIF. Bakersfield . . .	85	+6	0	0	Marquette . . .	66	+3	1	-.7	R.I. Providence . . .	75	+6	T	-.6
Eureka . . .	53	-3	T	-.1	Muskegon . . .	69	-1	.5	-.1	S.C. Charleston . . .	77	-2	2.8	+1.1
Fresno . . .	78	+2	0	0	S. Ste. Marie . . .	65	+4	1	-.7	Columbia . . .	77	-3	4.5	+3.5
Los Angeles . . .	77	+8	0	0	MINN. Duluth . . .	64	+3	1.5	+.4	Greenville . . .	72	-5	.4	-.6
Red Bluff . . .	84	+6	0	0	Internat'l Falls . . .	65	+2	2.5	+1.5	S.D. Aberdeen . . .	70	+2	1.1	+.2
San Diego . . .	74	+8	0	0	Minneapolis . . .	70	+1	.5	-.4	Huron . . .	69	-1	1.9	+1.0
San Francisco . . .	72	+10	0	0	Rochester . . .	68	0	.4	-.7	Rapid City . . .	62	-5	.5	-.3
Stockton . . .	79	+5	0	0	St. Cloud . . .	68	+1	2.5	+1.4	Sioux Falls . . .	71	+1	.9	-.1
COLO. Denver . . .	67	-1	.1	-.3	MISS. Jackson . . .	78	-3	.4	-.4	TENN. Chattanooga . . .	73	-5	1.8	+.8
Grand Junction . . .	71	-3	T	-.1	Meridian . . .	75	-5	.1	-.8	Knoxville . . .	74	-3	.2	-.7
Pueblo . . .	71	-2	.2	-.1	MO. Columbia . . .	71	-4	1.3	+.2	Memphis . . .	77	-3	1.4	+.6
CONN. Bridgeport . . .	77	+7	0	-.6	Kansas City . . .	72	-4	3.0	+1.7	Nashville . . .	74	-4	.6	-.2
Hartford . . .	78	+8	.1	-.7	St. Louis . . .	72	-5	2.2	+1.1	TEX. Abilene . . .	82	0	.5	-.1
D.C. Washington . . .	81	+4	.2	-.6	Springfield . . .	72	-4	3.1	+2.0	Amarillo . . .	76	-1	.3	-.5
FLA. Apalachicola . . .	79	-2	2.0	+.5	MONT. Billings . . .	58	-7	1	-.5	Austin . . .	81	-2	2.7	+2.0
Daytona Beach . . .	78	-2	.7	-1.0	Glasgow . . .	58	-6	1.4	+.8	Beaumont . . .	81	-1	.1	-1.1
Ft. Myers . . .	79	-3	2.5	+.2	Great Falls . . .	57	-6	.8	+.1	Brownsville . . .	84	0	T	-.6
Jacksonville . . .	77	-3	.9	-.7	Havre . . .	54	-8	.8	+.2	Corpus Christi . . .	83	0	.1	-.5
Key West . . .	79	-5	4.9	+3.8	Helena . . .	54	-5	.5	0	Dallas . . .	---	---	---	---
Lakeland . . .	79	-2	.6	-1.1	Kalispell . . .	61	-7	.7	+.1	Del Rio . . .	83	-3	.4	0
Miami . . .	79	-3	1.2	-.9	Miles City . . .	54	-5	.7	-.3	El Paso . . .	81	-1	T	-.2
Orlando . . .	80	-1	1.6	-.3	Missoula . . .	53	-8	.5	0	Fort Worth . . .	81	-1	.1	-.5
Tallahassee . . .	80	-1	2.8	+1.0	NEBR. Grand Island . . .	72	-1	1.8	+.8	Galveston . . .	82	0	T	-1.0
Tampa . . .	79	-3	1.7	-.1	Lincoln . . .	74	0	.5	-.7	Houston . . .	80	-2	.4	-.6
W. Palm Beach . . .	78	-3	2.9	+1.0	Norfolk . . .	70	-2	2.4	+1.3	Lubbock . . .	79	0	.1	-.5
GA. Atlanta . . .	73	-4	.3	-.6	N. Platte . . .	64	-6	2.3	+1.4	Midland . . .	82	+1	.8	+.5
Augusta . . .	78	-1	1.3	+.4	Omaha . . .	74	-2	1.7	+.6	San Angelo . . .	82	-1	T	-.4
Macon . . .	79	-2	1.0	0	Valentine . . .	67	-3	.3	-.5	San Antonio . . .	82	-1	.6	0
Savannah . . .	77	-3	1.7	+.2	NEV. Ely . . .	58	-2	0	-.1	Victoria . . .	82	-1	.5	-.2
HAWAII. Hilo . . .	---	---	---	---	Las Vegas . . .	83	-2	.1	-.1	Waco . . .	81	-3	3.0	+2.5
Honolulu . . .	79	0	T	-.1	Reno . . .	63	-1	0	-.1	Wichita Falls . . .	80	-3	.5	-.2
Kahului . . .	---	---	---	---	Winnemucca . . .	64	0	.1	-.1	UTAH. Blanding . . .	67	-1	T	-.1
Lihue . . .	---	---	---	---	N.H. Concord . . .	74	+7	.3	-.5	Salt Lake City . . .	66	-3	0	-.3
IDAHO. Boise . . .	61	-6	T	-.2	N.J. Atlantic City . . .	74	+2	.1	-.7	VT. Burlington . . .	74	+7	1.7	+.9
Lewiston . . .	63	-4	.1	-.3	Trenton . . .	78	+5	.5	-.3	VA. Lynchburg . . .	73	-1	.8	0
Pocatello . . .	59	-5	.1	-.2	N.MEX. Albuquerque . . .	74	-3	T	-.2	Norfolk . . .	79	+3	.1	-.8
ILL. Cairo . . .	75	-4	1.0	+.1	Roswell . . .	82	+3	T	-.3	Richmond . . .	78	+2	.2	-.7
Chicago . . .	71	-2	.4	-.6	N.Y. Albany . . .	75	+5	.3	-.4	Roanoke . . .	73	0	.9	+.1
Moline . . .	71	-2	.5	-.6	Binghamton . . .	72	+5	.6	-.2	WASH. Colville . . .	55	-8	.2	-.2
Peoria . . .	70	-3	.4	-.5	Buffalo . . .	71	+3	1.0	+.5	Omak . . .	59	-7	.1	-.2
Rockford . . .	68	-3	.7	-.4	New York . . .	73	+5	T	-.7	Quillayute . . .	53	-3	.1	-.7
Springfield . . .	71	-4	1.4	+.4	Rochester . . .	73	+4	1.2	+.6	Seattle-Tacoma . . .	61	0	T	-.3
IND. Evansville . . .	72	-5	2.6	+1.8	Syracuse . . .	74	+5	1.1	+.4	Spokane . . .	56	-8	.3	0
Ft. Wayne . . .	69	-2	1.7	+.8	N.C. Asheville . . .	70	-2	.8	-.2	Walla Walla . . .	63	-7	.2	0
Indianapolis . . .	69	-5	1.5	+.5	Charlotte . . .	74	-3	.9	0	Yakima . . .	60	-6	0	-.1
South Bend . . .	70	-1	2.2	+1.3	Greensboro . . .	73	-3	.7	-.3	W. Va. Beckley . . .	68	-1	1.0	0
IOWA. Burlington . . .	71	-2	.1	-1.0	Hatteras . . .	76	0	1.5	+.3	Charleston . . .	72	-1	.8	-.1
Des Moines . . .	72	-1	2.7	+1.6	Raleigh . . .	77	+1	.4	-.5	Huntington . . .	72	-2	.7	-.1
Dubuque . . .	69	-1	.5	-.7	Wilmington . . .	77	-2	9.4	+7.9	Parkersburg . . .	70	+4	.9	-.1
Sioux City . . .	69	-3	.7	-.3	N. DAK. Bismarck . . .	63	-3	1.1	+.3	WIS. Green Bay . . .	70	+3	T	-.8
KANS. Concordia . . .	75	0	1.1	0	Fargo . . .	68	+1	.6	-.2	La Crosse . . .	70	-1	.3	-.7
Dodge City . . .	74	-2	.5	-.3	Williston . . .	60	-5	1.2	+.4	Madison . . .	70	+2	.6	-.4
Goodland . . .	69	-3	T	-.3	OHIO. Akron-Canton . . .	68	-2	.8	0	Milwaukee . . .	70	+3	.1	-.8
Topeka . . .	74	-2	1.1	-.3	Cincinnati . . .	69	-5	2.4	+1.5	WYO. Casper . . .	60	-5	1.0	+.7
Wichita . . .	76	-2	.7	-.4	Cleveland . . .	71	+1	.8	0	Cheyenne . . .	61	-3	T	-.5
KY. Lexington . . .	70	-5	1.0	-.1	Columbus . . .	69	-3	1.3	+.3	Lander . . .	58	-6	.7	+.3
Louisville . . .	72	-3	1.8	+.9	Dayton . . .	69	-4	1.5	+.6	Sheridan . . .	57	-7	.2	-.4
					Toledo . . .	70	-1	1.0	+.2	P.R. San Juan . . .	82	+1	.9	-.4

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State Summaries of Weather and Agriculture

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

ALABAMA: Beginning temperatures 5 to 10° below normal, ending temperatures above normal. Extremes: 96 and 55°. Rainfall light with widely scattered showers midweek through weekend. Fieldwork: 5.0 days suitable. Soil moisture adequate. Cotton poor to fair condition, 18% squaring, 60% 1975, 52% average. Corn good condition, 42% tasseling, 43% 1975, 34% average. Soybeans good condition, 94% planted, 96% 1975, 94% average. Peanuts, good condition, 21% pegging, 36% 1975, 34% average. Pastures remain good.

ALASKA: Tanana Valley cloudy and cooler temperatures than normal. Light rain fell but drier than normal. Matanuska Valley had more sunshine and little drier than normal. Warm and dry at end of week. Kenai Peninsula very dry with little or no precipitation. Sunshine abundant. Temperatures normal but cooler in coastal sections. Kodiak Island very dry. Sunshine abundant and temperatures warm on 23d Kodiak reached 70° the warmest in Alaska.

Hay harvest underway in Tanana and Matanuska Valleys. Minimal wind damage to grain and vegetables. Grain up to 12 in. Potatoes averaged 4 in. Ground moisture short in Fairbanks area to adequate in Matanuska Valley.

ARIZONA: Light rain north, southeast. Temperatures normal except southwest, 3 to 5° above normal.

Irrigating, cultivating, fertilizing cotton. Earlier cotton setting bolls, developing well. Wheat, barley harvest well advanced, yields good. Grain sorghum planting nearly complete. Sugarbeet harvesting almost complete, yields good. Fourth cutting alfalfa hay in progress. Cantaloup harvest past peak. Watermelon harvest increasing. Potato harvest tapering off. Dry onion harvest mostly complete. Grape harvest active. Grapefruit, valencia orange harvest continues. Extreme heat depleted soil moisture. Desert ranges very poor, higher ranges mostly good. Limited supplemental feeding required. Cattle, sheep higher elevations good condition.

ARKANSAS: Temperatures below normal. Extremes: 94 and 47°. Rainfall 7.47 in. to 0.59 in.

Soybean planting 92% complete, 91% last year, average 86%. Considerable acreage flooded by heavy rains, will be replanted. Cotton producers continued to disk poor fields, plant soybeans. Cotton fair to poor condition. Rice good, growing well. Fields beginning to joint. Corn and sorghum making good growth. Corn tasseling. Sorghum grassy. Wheat harvest 96% complete, same year ago and average. Oat harvest 93% complete, 95% last year, average 97%. Harvest of early apple varieties underway. Tomato ripening slowed. Haymaking slowed by rain. Pastures adequate. Cattle in good condition.

CALIFORNIA: Hot temperatures reached the 100° mark. Average temperatures much above normal with greatest departures in south coast. Strong and gusty north wind began over Northern California 22d and continued to end of week, lowering relative humidity. Few showers at beginning over mountains of extreme north. Small grain harvest continued. Planting of

double crop beans, corn, milo active. Cotton bloom setting squares. Most crops doing well. Spraying for insects in cotton, milo and alfalfa continues. Hot, dry winds stressing crops. Sugarbeets doing well. Vineyards good growth southern San Joaquin Valley. Wine grapes 50% bloom Lakeport. High temperatures much loss avocados, lemons. Cherry harvest nearing completion. Plum harvest past peak Fresno, continuing upper San Joaquin Valley. Vegetables maturing rapidly in heat wave. Strawberries and lettuce crops show signs of excess heat. Other harvests active. Most supplies good. Threat range fires. Water supplies below normal, pastures drying, supplemental feeding required. Thinning herds.

COLORADO: Fair weather prevailed. Temperatures 80's and 90's with low humidities. Exception cold front 22d scattered heavy showers, strong gusty winds, hail north central. Temperatures generally below normal west, northeast, south, normal southeast and north.

Wheat condition fair, 84% turned color. Harvest beginning. Oats, spring barley condition fair. Sorghum, sugarbeets, dry beans good condition. Corn, good condition, average height 14 in. Potato condition: Summer, very good; Fall good. Alfalfa first cut 60%. Soil moisture short. Ranges and pastures poor to very good.

FLORIDA: Rainfall 1.00 to 3.00 in. with temperatures slightly below normal.

Soil moisture adequate; surplus low areas. Tobacco, corn yields decreased low areas by excessive rainfall. Additional sunny weather would benefit earliest field corn reaching harvest stage central areas. Soybean acreage fair to good condition. Pastures excellent with ample rainfall. Cattle, calves continued to improve and generally good. Citrus trees excellent condition, moisture continues adequate, new Valencia harvest active. Harvest season nearly complete most vegetable crops. Watermelons, corn providing bulk of supplies. Watermelon shipments continued heavy. Celery harvest nearing completion. Eggplant still available north and west.

GEORGIA: Temperatures 3 to 6° below normal averaging upper 60's over mountains to upper 70's central and south. Rainfall variable, ranging less than 0.50 in. to near 2.00 in. most sections, except 3.00 in. to more than 4.00 in. in mountain sections and extreme southeast. Additional showers 26th and 27th.

Soil moisture adequate. Fieldwork: 4.0 days suitable. Corn condition fair to mostly good. Cotton fair to good, 56% squaring, 70% year ago. Peanut condition good, 76% blooming, 81% blooming year ago. Soybeans good condition, 91% planted, 95% year ago, 90% average. Tobacco condition mostly fair to good, 30% harvested, last year 20% and 20% average. Watermelons mostly fair to good, 20% harvested compared to 18% year ago. Peach condition good, harvesting 59% complete, 63% year ago, 47% average. Wheat 93% harvested, 94% last year, 91% average. Oats 93% harvested, 95% year ago, 93% average. Pastures, cattle and hogs good.

HAWAII: Weather favorable. Warm and humid.

Showers light and scattered. Winds gusty at times Waianae area Oahu. Light bruises to crops exposed areas.

Vegetable supplies adequate. Banana supplies light, some fields under irrigation. Papayas harvest active. Pineapple harvest increasing. Sugar steady. Leeward pastures some sections turning brown.

IDAHO: Temperatures 2 to 4° below normal. Morning lows upper 20's in higher valley. Precipitation well below normal.

Weather favored crop progress. Range and pasture grasses benefited by moisture. Rust in some fields of winter wheat north. Spring wheat 40% headed, 10% 1975. Winter wheat 65% headed, 25% 1975. Potatoes 85% emerged, 75% 1975. Pasture and range grasses good to excellent condition. Livestock good condition. Late frost hit many areas south 26th. Damage to bean, corn and potato fields--extent unknown.

ILLINOIS: Temperatures 2 to 5° below normal. Precipitation 0.50 in. to 2.75 in., heaviest southeast.

Corn good. Average height 33 in., 41 in. 1975, 26 in. average; most advanced height 48 in., 58 in. 1975, 41 in. average. Soybeans good. Winter wheat 96% ripe, 95% 1975, 89% average; 38% combined, 40% 1975, 34% average. Oats mostly good; 98% headed, 100% 1975, 95% average; 80% filled, 81% 1975, 77% average; 20% turned yellow, 22% 1975, 21% average. Alfalfa hay mostly good, second crop 22% cut, 8% 1975, 4% average; red clover 93% cut, 88% 1975, 75% average. Pastures mostly fair to good. Soil moisture short to adequate. Fieldwork: 4.3 days suitable.

INDIANA: General rain improved soil moisture supplies. Upper west central 3.00 to 3.50 in., extreme southwest 2.00 to 2.70 in., south central 1.20 to 2.70 in., elsewhere 1.50 to 2.00 in. Temperature and sunshine little below normal. Relative humidity above normal.

Fieldwork: 2.0 days suitable. Topsoil moisture mostly adequate to surplus. Subsoil moisture mostly adequate. Wheat 5% combined, 1975 10%, average 10%. Wheat 95% beginning to ripen, 45% ripe. Oats 95% headed, 1975 90%. None combined. Barley 50% and rye 15% combined, both ahead of usual. Corn 27 in. high, 1975 27 in., 18 in. average. Soybeans 8 in. tall, 1975 8 in., average 6 in. Sorghum 8 in. Alfalfa hay 95% cut first time, 1975 85%. Clover 80% cut, 1975 70%. Pastures improved.

IOWA: Temperatures near normal to 3° below normal. Precipitation above normal northwest, southeast, below normal elsewhere.

Weather good for crop development. Spotty rains northwest, west central, northeast, areas still short of moisture. Fieldwork: 5.9 days suitable. Corn developing rapidly, average height 30 in. Tallest averaging 36 in. Corn mostly good to excellent. Northwest, west central, northeast, corn mostly good, some fair. Hail damaged corn recovering quite well. Soybean progress slow. Soybean stands thin, uneven. Yellowing most common in high lime soils. Soybean condition mostly good, poorer northwest, west central. Oats mostly good, starting to turn. Oats all headed, 80% last year, 85% average. First cutting alfalfa all harvested, 83% last year, 84% average. Second cutting underway. Alfalfa regrowth and condition good. First cutting clover hay 74% complete, 50% last year, 56% average. Winter wheat turning. Top-

soil moisture short to adequate. Subsoil moisture adequate. Livestock good with favorable weather. Pastures short in dry areas.

KANSAS: Temperatures 2° above normal, or 73 to 78° over west; 1 to 3° below normal or 74 to 77° over east. Precipitation trace over extreme northwest, 1.00 in. to 3.00 in. over north central and east.

Wheat harvest 15% complete, 35% average, 10% last year. Percent wheat ripe 50%, same as last year, 65% average. Sorghum 95% planted, 80% last year, 85% average. Soybeans 85% planted, 70% last year, 85% average. Few early fields starting to bloom. Alfalfa first cutting 100% complete, same as average, 95% last year. Alfalfa second cutting 35% complete, 20% last year, 30% average. Subsoil moisture short western third.

KENTUCKY: Temperatures 4° below normal. Showers and thundershowers daily 21st to 25th. Precipitation near 1.00 in. west and 1.50 in. east. Heavier amounts northeast.

Fieldwork: 2.5 days suitable. Soil moisture adequate to surplus. Activities consisted of cultivating row crops, planting soybeans, limited wheat harvest, resetting tobacco, clipping pastures. Soybeans 78% planted, 89% last year, 82% average. Tobacco mostly excellent conditions and growing rapidly, 77% over 6 in. high, 27% over 12 in. high, last year 62% over 6 in. high, average 64% over 6 in. high.

LOUISIANA: Temperatures 2° below normal. Extremes: 97 and 57°. Showers late in week, heaviest north.

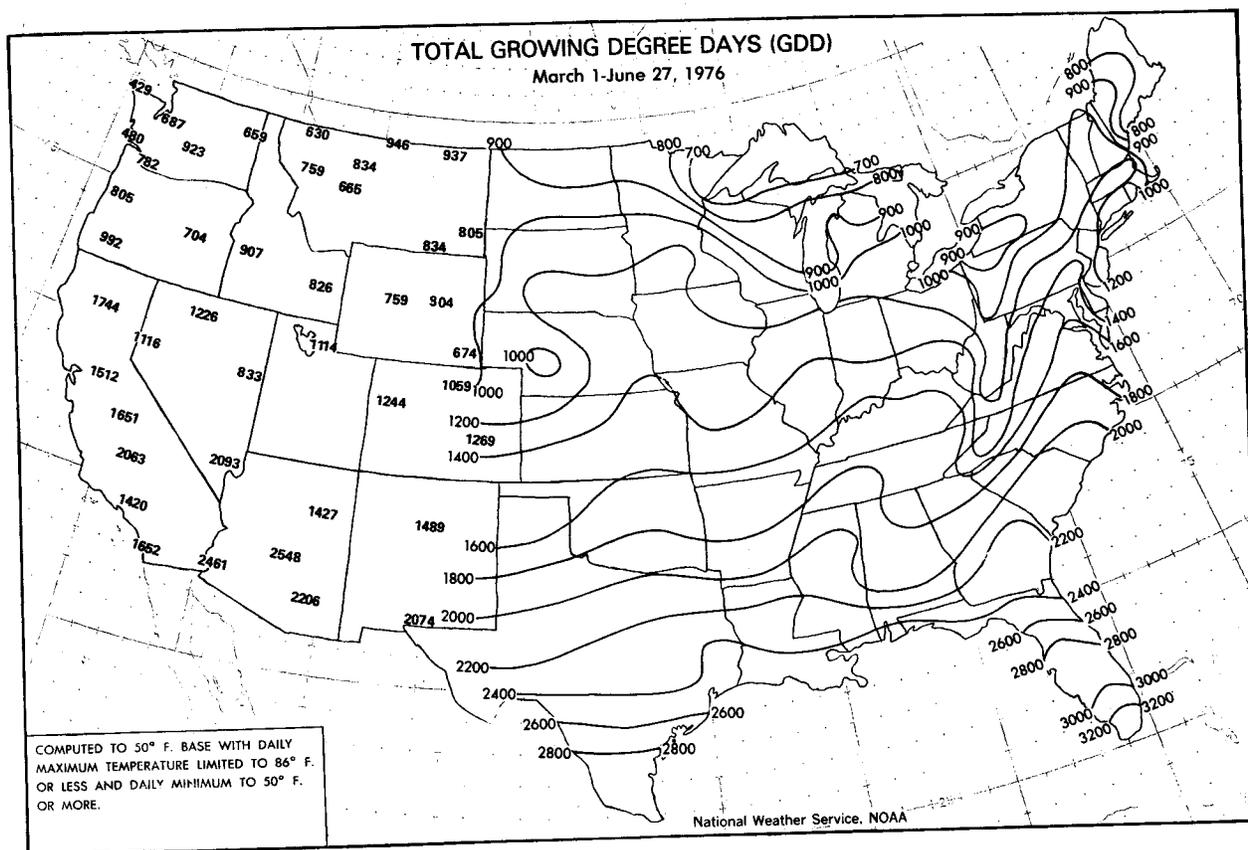
Soil moisture adequate. Fieldwork: 5.0 days suitable. Cotton good growth; Condition fair to good; 21% squaring. Rice 23% headed. Soybeans 97% planted, 72% last year, 91% average; 91% up to stand. Corn good; 75% silking. Sugarcane good to excellent. Sweetpotato transplanting 93% complete, 85% last year. Pastures, cattle good.

MARYLAND & DELAWARE: Temperatures 1 to 5° above normal. Extremes: low 90's and low 50's in western Maryland to low 60's elsewhere. Precipitation 0.07 in. to 3.76 in. Weekend sunny and warm.

Corn growth good after rain and hot weather. Full season soybeans all planted, short season bean planting finishing fast. Overall 89% planted, 87% 1974, average 85%. Small grain harvest active; barley 75%, wheat 40%, rye 30%, oats just starting. Haymaking slowed due to rain. Vegetable crops made good growth. Early variety tomatoes picked. Tobacco nearly all planted, good condition. Early variety apples and peaches harvested. Thinning, spraying and mowing orchards.

MICHIGAN: Temperatures 1° above normal southern to 5° above normal northeastern, 1 to 4° above normal Upper. Average: mid-60's to 70°. Precipitation 0.01 in. Upper to 1.60 in. southern.

Warm, sunny weather and widely distributed rainfall pushed crop growth at rapid pace. Soil moisture adequate south, slightly short north and Upper Peninsula. Fieldwork: 5.0 days suitable. Corn height 15 in., 17 in. last year, 14 in. normal. Many corn fields appear uneven. Wheat all headed, 40% yellow; 1975 88% headed 20% yellow; normal 85% headed 15% yellow. Oats 55% headed, 30% 1975 and normal. Dry beans 90% planted, 80% 1975, 84% average. All soybeans planted, early field emergence poor.



First haying 67%, 44% 1975, 46% average. Pasture feed supply average. Cherries ripening rapidly, harvest starting early July. Asparagus picking near completion, strawberries 60%.

MINNESOTA: Temperatures 1° above normal. Extremes: 97 and 40°. Precipitation less than 0.50 in. southeast, 1.00 in. to 2.00 in. northeast, in excess of 2.50 in. much of central through north central, 0.75 in. to 1.25 in. most of south central and west. Growing season precipitation departure near normal northern border to more than 5 in. below portions of southwest. Most areas 2.00 in. to 4.00 in. below normal.

Rains aided row crops; more moisture needed for continued growth particularly west central, southwest. Only limited benefit to small grains; most fields too far advanced. Height: Corn 24 in., 1975 17 in., normal 19 in. Soybeans 8 in., 1975 7 in., normal 8 in. Percent heading: Spring wheat 83%, 1975 20%, normal 38%; Oats 87%, 1975 30%, normal 45%; Barley 83%, 1975 23%, normal 39%. Turning ripe: Winter wheat 48%, 1975 2%, normal 6%. Alfalfa hay 75% cut, 1975 70%, normal 79%. Rains boosting second crop prospects.

MISSISSIPPI: Temperatures below normal. Extremes: 49 and 92°.

Soil moisture adequate. Fieldwork: 4.2 days suitable. Cotton 26% squaring, 36% 1975, 44% average. Soybeans 94% planted, 90% 1975, 84% average; 87% up to stand, 62% 1975. Corn 27% silked, 24% 1975. Winter wheat 93% harvested, 88% 1975, 90% average. Oats 95% harvested, 85% 1975, 85% average. Sorghums 89% planted, 84% 1975, 83% average. Sweetpotatoes 83% planted, 88% 1975, 84% average. Hay 37% harvested, 27%

1975, 36% average. Irish potatoes 77% harvested, 63% 1975, 70% average. Peaches 32% harvested, 28% 1975, 33% average. Cucumbers 30% harvested, 47% 1975. Cotton in poor to fair condition. Soybeans and corn in good condition. Other crops in fair to good condition.

MISSOURI: Temperatures 10° below normal south, 4 to 8° below normal elsewhere. Precipitation 1.00 in. to 3.00 in. Local heavy showers west Ozarks, east Ozarks and Bootheel.

Fieldwork: 3.5 days suitable. Soybean planting 93% complete, 1975 93%, normal 88%. Grain sorghum planting 93% complete, 1975 92%, normal 88%. Wheat ripened 86%, wheat harvested 40%, 1975 45%, normal 38%. Alfalfa second cutting 27% complete, normal 22%. Clover-timothy 61% harvested, normal 53%. Condition of corn fair to good. Cotton deteriorated, in poor condition. Condition of pastures poor to good with most fair. Soil moisture short to adequate.

MONTANA: Warm, sunny days dominated weekend after showery, unseasonably cool weather. Temperatures near 5° below normal. Heaviest precipitation fell beginning. Gusty winds over Rockies and Plains.

Crop condition and growth good to excellent despite cool weather. Soil moisture adequate. Winter wheat 80% headed, 15% in boot, 5% turning. Normally 45% headed, 60% in boot. Spring wheat 25% headed, 45% in boot. Barley 30% headed, 40% in boot. Oats 35% headed, 40% in boot. Normals are: Headed--spring wheat and barley 10%, oats 5%; In boot--spring wheat 40%, barley 45%, oats 35%. Sugarbeets 90% thinned. First cutting alfalfa slow--15% done. Livestock in good to excellent condition.

NEBRASKA: Temperatures 1 to 7° above normal 20th to 23d and as much as 16° below normal remainder. Rainfall 1.00 in. to 2.50 in.

Topsoil moisture improved but short to adequate. Subsoil moisture short. Condition fair. Wheat 85% turned, normal 80% and 60% 1975; 15% ripe, 10% normal and 5% 1975. Corn good condition. Farmers irrigating. Some dryland corn showed stress prior to rains. Sorghum and soybeans good condition. Alfalfa and wild hay fair to good condition. Alfalfa first cutting 95% completed. Pasture and range feed supplies short. Supplemental feeding necessary in some areas.

NEVADA: Cool temperatures, some precipitation north and central. Extremes: 109 and 22°. Alfalfa harvest active. Ranges continue dry.

NEW ENGLAND: Hot most of week, cooler air east weekend. Rainfall south much below normal. Showers 0.50 in. to 1.50 in. north.

Maine potatoes continue rapid growth, spraying for weed control. Corn and truck crops growing well. Rain needed most areas. Strawberry harvest full swing. Cranberry bloom heavy. Apple set erratic. Haying full swing, good yields high quality, first cutting 40% north, 85% south.

NEW JERSEY: Warm dry with temperatures 2 to 5° above normal. Extremes: 95 and 52°. Rainfall averaged 0.41 in. north, 0.14 in. central and 0.25 in. south. Estimated soil moisture, in percent of field capacity, averaged: 75% north, 35% central and 33% south. Soil temperature averaged: 75 to 77°.

Soil moisture very short except in a few areas of North Jersey. Hot weather advancing crop growth. Lettuce supplies decreasing. Cabbage volume heavy. Harvest of snap beans, cucumbers, sweet corn and tomatoes increasing. Potatoes and sweetpotatoes making good growth. Peach harvest begun. Apple harvest underway. Rain needed for fruit sizing. Blueberry harvest increasing. Wheat and barley harvest making good progress.

NEW MEXICO: Scattered light showers early turning dry 23d to 25th with isolated showers developing again 27th. Rainfall very light and most less than a 0.10 in.. Hot early turning sharply colder midweek with subfreezing temperatures many mountain sections. Temperatures 2 to 3° colder than normal northwest.

Topsoil moisture short to very short. Subsoil moisture short. Cotton fair to good, benefiting from hot weather. Alfalfa mostly good; first cutting complete in south, nearing completion in north. Second cutting 50% complete in south. Irrigated winter wheat harvest nearing 75% complete. Durum wheat good, about 20% harvested. Sorghum, barley, apples, green chili, beans good. Corn, onions, fair to good. Lettuce harvest complete, onion continuing. Ranges fair. Livestock fair to good.

NEW YORK: Temperatures above normal. Cooling trend by weekend lowering temperature and humidity. Rainfall spotty mainly as showers and thunderstorms in afternoon and evening. Heaviest amounts in Adirondacks.

Wet weather slowed fieldwork especially haying. First cutting alfalfa 48% complete, clover-timothy 30%, grass silage 55%. Corn planting nearing completion. Dry bean planting ahead of 1975 nearing completion. Pastures in good condition. Potato

condition excellent. Excessive moisture in western onion areas. Late cabbage being set out. Early cabbage harvest beginning. Strawberry harvest at peak. Apple set variable; fruit sizing well. Grape bloom nearly complete. Sweet cherry hand harvest beginning.

NORTH CAROLINA: Precipitation well above normal. Temperatures 2 to 3° below normal.

Fieldwork: 2.9 days suitable. Soil moisture adequate to surplus. Flue-cured tobacco 40% fair, 60% good. Corn 10% fair, 75% good, 15% excellent; 30% silked. Soybeans 87% planted, 88% 1975; Condition good. Peanuts good. Cotton fair. Sweet-potatoes 89% transplanted, 91% 1975; condition good. Sorghum 92% planted, 85% 1975. Wheat 69% harvested, 75% 1975, 52% average. Oats 76%, 82% 1975, 64% average. Barley 78%, 86% 1975, 70% average. Rye 78%, 82% 1975, 58% average. Peaches 36% harvested, 33% 1975, 17% average. Irish potatoes 47% harvested, 46% 1975.

NORTH DAKOTA: Temperatures varied from 2° below normal to 3° above normal. Extremes: 95 and 38°. Precipitation ranged from 1.36 in. above normal to 0.32 in. below normal. Most precipitation recorded 2.29 in. Weekend temperatures just below normal with showers and thundershowers.

Percent headed or beyond: Hard red spring wheat 55%, durum 40; barley 60; oats 45%. Row crops have responded well to recent rainfall. Pastures showing considerable improvement.

OHIO: Rainfall 21st to 25th. Heavy rains 24th with up to 2.50 in. central areas. Least was 0.7 in. southeast. Temperatures below normal. Extremes: 90 and 53°.

Soil moisture adequate. Average height: Corn, 25 in., 32 in. 1975 and 22 in. normal; Soybeans, 11 in., 11 in. 1975 and 7 in. normal. Wheat 25% ripe, 20% 1975 and 10% normal. Few fields harvested south. Remaining areas will start when soil dries. Oats 95% headed, 95% 1975 and 80% normal. Few fields ripe. Barley 15% harvested, 15% 1975 and 10% normal. Hay first cutting: Alfalfa over 95%, 90% 1975 and 80% normal; Clover-Timothy 80%, 70% 1975 and 65% normal. Pasture condition improved. Corn and soybean conditions mostly good. Fieldwork: 3.0 days suitable.

OKLAHOMA: Temperatures normal Panhandle to 6° below southeast. Precipitation from 0.13 in. north central to 2.45 in. southeast. Weekend very warm and mostly dry. Few scattered showers east central and southeast.

Wheat harvest started Panhandle, complete in south. Harvest statewide 77% complete, 70% year ago, 90% average. Northern areas slowed by weeds. Corn mostly good condition. Some tasseling. Sorghum planting 97% complete, same year ago, 94% average. Condition good to fair. Greenbugs bad northeast. Cotton mostly good condition, 98% planted is average but ahead year ago at 92%. Few fields showing squares. Peanuts all planted, 97% average, condition good. Soybeans planted after wheat, 92% complete, 88% average. Thrips active in south central. Second cutting alfalfa 42% taken, yields good. Cattle condition very good, ranges mostly good, need rain many areas. Early calves going to market.

OREGON: Temperatures above normal first cooling to below normal by midweek. Averages near normal. Extremes: 95°, high 30's west; low 90's, low 30's east. Precipitation spotty and light except northeast and south central where from 0.20 to 0.40 in. was recorded.

Winter wheat in milk to medium dough stage. Hay being cut. Peppermint in fair to good condition. Hops making good growth after slow start. Strawberry harvest at peak; quality, yields good. Cherry harvest begun. Apples, peaches, pears being thinned. Beans and sweet corn in good condition. Onions and potatoes making good growth. Livestock in fair to excellent condition. Range and pastures mostly in good condition. Little livestock sales.

PENNSYLVANIA: Warm and very humid with daily scattered showers and thunderstorms through 25th. Cooler, drier and more comfortable weekend. Temperatures in 60 to 80° range until weekend when 50 to 90° common. Extremes: 50 and 94°. Temperatures 2 to 6° above normal. Scattered afternoon and evening showers and thunderstorms through 25th produced 1.00 to 2.00 in. rainfall.

Soil moisture adequate. Fieldwork: 3.0 days suitable. Activities: Making hay and haylage, spraying, cultivating, combining barley and baling straw, transplanting tobacco, picking strawberries, cherries, early peaches and apples. Corn height 16 in., same as 1975. Tobacco transplanting 88%. Soybeans planted 93%, slightly behind 1975. Barley 30% ripe and 10% harvested, last year 18% ripe. Wheat same as last year at 48% turning, slightly under 5% ripe. Oats 71% headed with some turning, 60% headed in 1975. Hay quality mostly fair to poor. Alfalfa first cut 79%, second cut 15%. Clo-tim first cut 63%. Feed from pastures average. Grapes in berry formation.

PUERTO RICO: Island rainfall 1.38 in. or 0.19 in. above normal. Temperatures 80° on coasts and 74° interior. Extremes: 93 and 60°.

SOUTH CAROLINA: Rainfall averaged near or above normal. Heaviest amounts in mountains and east. Rainfall 0.30 in. above normal.

Temperatures 3 to 4° below normal. Temperatures mostly in 80's with readings into 90's in central and east on 25th, 26th.

Soil moisture surplus, some areas adequate. Evening thunderstorms delayed fieldwork. Excessive moisture damaged some crops. Cotton, watermelons, wheat, oats condition fair to poor. Watermelon condition fair. Tobacco, hay crops, soybeans, peaches fair to good. Corn and pastures good condition. Corn silked: 67%. Dough stage: 27%. Soybeans planted: 86% 1976; 93% 1975; 86% average. Peaches harvested: 41% 1976; 24% 1975; 20% average. Tobacco harvested: 9% 1976. Wheat harvested: 83% 1976; 92% 1975; 79% average.

SOUTH DAKOTA: Rains generally over 1.00 in. in east and west, less than 0.50 in. central. Seasonal moisture deficit 2 to 7 in. in east. Temperatures below normal. Extremes: 103 and 38.

Rains and cooler weather brought relief to drought stricken crops. Corn and soybeans look good but need timely rains to develop normally. Dry weather causing early maturity of small grains. Winter wheat and rye 70% and 71% turning compared to 23% and 10% 1975, and normal of 48% and 49%. Winter wheat and rye beginning to ripen, harvest to begin within a week. Much oats, barley and spring wheat abandoned to livestock for grazing, to be put up for hay or replanted to forage crops. Large numbers of livestock being sold due to poor pastures and low water supplies. Alfalfa hay 78% harvested, 1975 68%, normal 82%.

TENNESSEE: Showers and thundershowers widespread. Rainfall averaged 2.00 in. in plateau area, 0.50 in. in middle, and 1.30 in. elsewhere. Temperatures 1 to 8° below normal.

Excessive soil moisture slowed field activities. Fieldwork: 3.0 days suitable. Some cotton fields drowned and replanted to soybeans. Soybeans 92% planted, 90% last year, 89% average. Corn fair. Acreage silking 6%, 20% 1975, 15% average. Wheat 63% harvested, 83% last year, 43% average. Oats 48% harvested, 72% 1975. Second cutting alfalfa 58% complete, same as last year. Cotton acreage squaring 20%, 45% last year, 42% average. Tobacco blooming too early. Some black shank and root rot reported.

TEXAS: Rainfall, precipitation near normal. Temperatures near normal except northwest where 5° above normal. Normals ranged near 80 northwest to mid-80's south. Cold front triggered heavy midweek thunderstorms. Heaviest rainfall east, central, amounts averaged over 1.00 in. Normal rainfall less than 0.25 in. southwest to less than 1.00 in. east and south.

Ideal conditions grain harvest. Wheat harvest progressed rapidly 64% complete, 66% 1975, 79% average. Cutting on Panhandle active. Oats harvest nearing completion except north. Cotton planting complete. Fields in west need moisture. First bale harvested last week Rio Grande Valley. Sorghum maturing rapidly, harvesting south. Most stands look good, rain would be welcome west. Rice progressing well, harvest should begin two weeks. Corn various stages, looks good all areas. Harvesting Lower Rio Grande Valley.

Lower Rio Grande Valley: Cantaloup harvest complete. Honeydews, watermelons final stages. Okra good volume, tomato, pepper movement declining. Laredo Watermelon, cantaloup harvest near complete. Tomato movement continues. San Antonio-Winter Garden: Harvest watermelons, cantaloups continues. Cucumbers near complete. Central: Harvest peppers, tomatoes continues. East: Harvest squash, tomatoes, cucumbers, beans continues. Sweetpotatoes good condition. Knox-Haskell: Potato harvest 75% complete. Trans-Pecos: Movement squash, cabbage, onions continues. High Plains: Early onions approaching maturity, potatoes sizing rapidly, harvest in two weeks. Peppers good growth. Pecans in south, west progressing well, seasonal droppage active. Webworms, aphids on increase central, east. Mid-season peach harvest central. Harvest continues east, northeast. Scattered brown rot, wind damage. Harvest early peaches underway Panhandle.

Hot wind continued to dry ranges west, central, south. Pastures east still good, aided by recent rains. Cattle throughout good although screwworms, ticks continued problem south, east. Haying active.

UTAH: Scattered thundershowers east portion forepart of period. Locally moderate to heavy accumulations of moisture. Cooling trend latter part, local areas frost colder northern valleys. Temperatures ranged from near normal to 6° below.

Alfalfa hay 65% harvested. Winter wheat condition fair to good. All headed and 5 to 10% turning color. Field corn condition fair to good. Spring wheat and barley 20% in joint stage, 30% in boot, and 50% headed. Green peas harvest continues and sweet cherry harvest began.

VIRGINIA: Temperatures 2° above normal. Extremes: 93 and 48°. Cloudy and rainy first, fair and warm end. Rainfall 1.35 in.

Fieldwork: 3.5 days suitable. Topsoil moisture adequate. Corn crop very good with 5% silked. Soybean double-cropping continued. Small grain harvest: Barley 73%; 1975 76%; average 51%; Oats 46%, 1975 55%, average 33%; Wheat 39%, 1975 36%, average 24%. Small grain yields below normal. Quality of wheat excellent. Cultivating tobacco;

some budding out early. Hay harvest slowed by rain. Pastures improved greatly. Livestock marketing active. Potatoes and other vegetables harvested. Peanuts helped by rain.

WASHINGTON: West: Temperatures 1 to 5° subnormal. Precipitation from 0.10 in. to 0.50 in. subnormal.

Cool weather slowed growth of berries, cucumbers, processing and silage corn, hay crops. Most crops in good condition. Cutting hay. Strawberries harvested. Peas in full bloom. Spring wheat heading out.

East: Temperatures 2 to 4° subnormal. Precipitation 0.20 in. to 0.10 in. below normal.

Cool weather delayed apple drop and cherry maturity. Apples thinned. Cover spray applied to apples. Apple and peach powdery mildew thick. Apple scab detected. Cherry harvest continues. Hay yields average to below. Sweet corn slow. Wheat heading and turning. Stripe rust prevalent. Greenbug and aphids in scattered areas. Range is good. Cattle turned out in high elevations. Bluegrass fields look good. Harvest soon.

WEST VIRGINIA: Temperatures above normal. Extremes: 100 and 40°. Precipitation above normal.

Soil moisture improved and adequate. Fieldwork: 3.4 days suitable. Hay harvest most active followed by gardening and cultivating. Crops mostly fair to good condition. Barley 51% ripe. Turning yellow: Wheat 47%, oats 11%. First hay cutting 57% complete. Pastures mostly fair condition. Livestock in good condition.

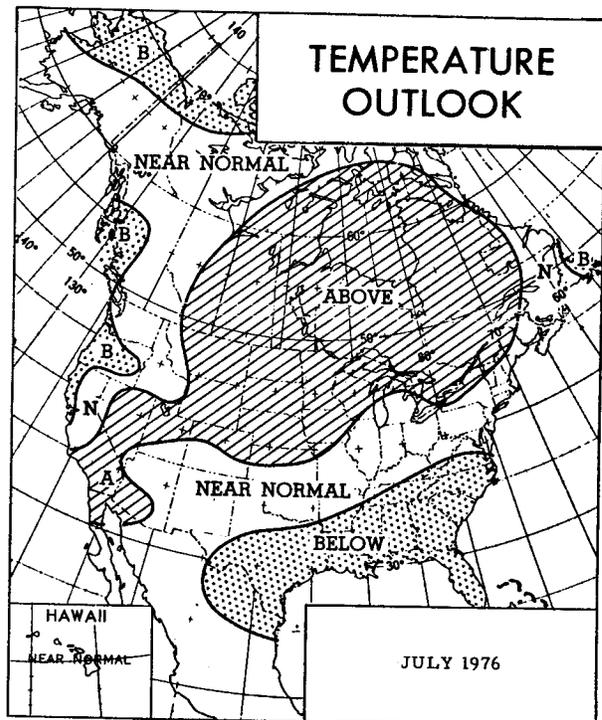
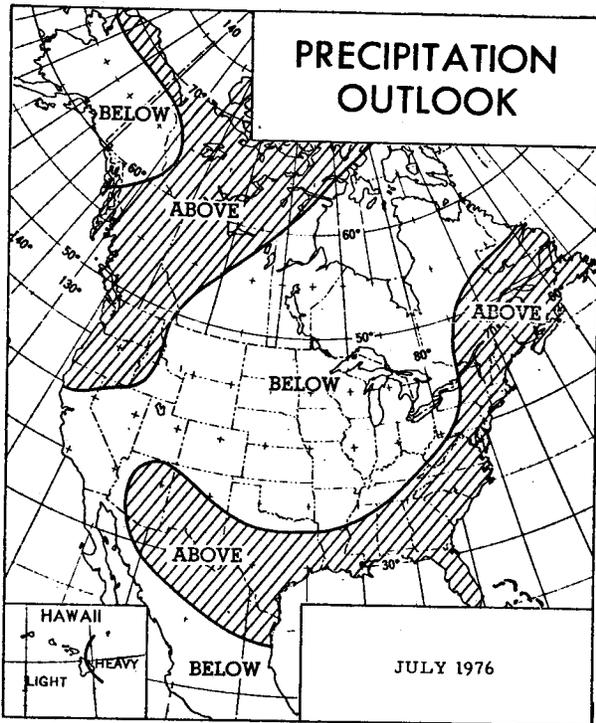
WISCONSIN: Temperatures near normal. Highs upper 80's and lower 90's. Cooler midweek under cloud cover. Scattered showers and thunderstorms on most days but spotty and generally light, less than 0.50 in. total.

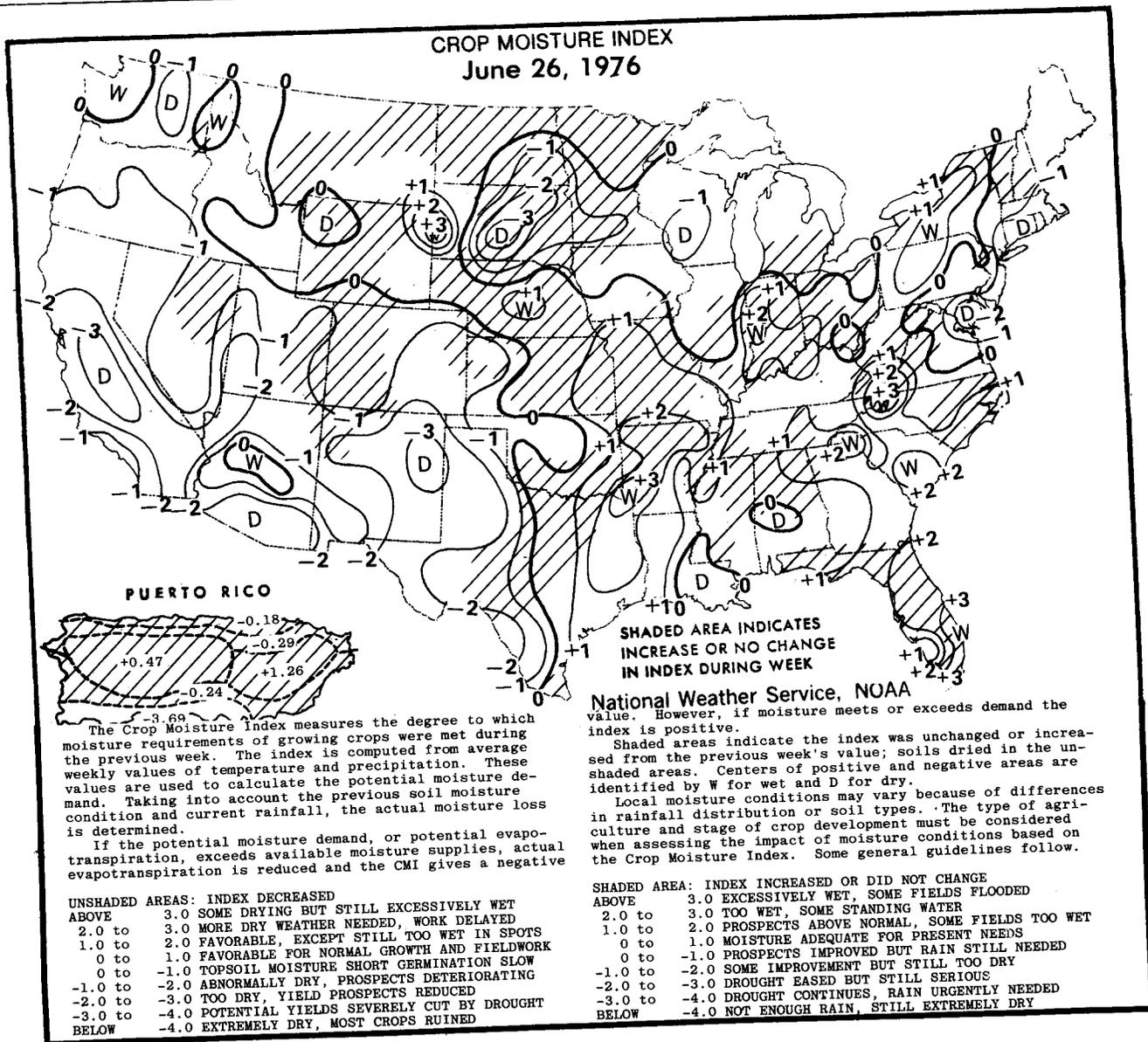
First crop haying 80% done, 1975 30%, normal 45%. Quality very good but quantity reduced by dry weather. Second crop coming where first cut early June and moisture available. Corn 19 in. average height, 1975 18 in., normal 13 in. Early corn growing well on heavier soils. Corn curling on sand and light soils. Weeds a problem where herbicides did not take effect in dry soils. Oats 50% headed, 1975 15%, normal 33%. Straw length short, kernels may be light due to dry weather. Early oats changing color. Soybeans good where moisture available. Pastures poor. Tobacco plants need rain. Strawberry harvest going on, berry size reduced by dry weather. Unirrigated vegetables and potatoes need moisture. Soil moisture short.

WYOMING: Moderate rainfall. Precipitation nearly 0.10 to 0.60 in. below normal. Temperatures slightly below normal departing from 2 to 8°. Maxima mostly low 80's west of Divide, upper 80's to low 90's elsewhere. Minima mostly upper 20's and low 30's west of Divide, upper 30's and lower 40's northeast, low to mid 30's elsewhere.

Moisture slightly below normal. Alfalfa haying 16% complete. Topsoil moisture supplies adequate. Crops in good condition. Barley 48% headed. Sugarbeet thinning 82% complete. Previous week's hail and freeze damage light to moderate. Some hay down from thunderstorms, possible molding loss in localized areas.

Average Monthly Weather Outlook





World Weather and Crop Update

Widespread substantial rains that fell in much of the USSR's New Lands in the week ending June 28 were timely for spring wheat. Heaviest amounts focused on the previously dry areas of Kazakhstan and West Siberia. Limited rainfall caused problems in the Urals.

Mostly fair, hot weather in much of Europe intensified the drought and eroded crop prospects in southern England, northern France, and adjacent areas of the Benelux countries. Even though dry weather favored ripening and harvesting of winter grains and forage, areas from England to Eastern Europe, except the eastern Mediterranean region, need rain.

In the Canadian Prairies more rain provided excellent soil moisture reserves for crops. Tropical storm Ruby crossed the central Philip-

pine and threatened Hong Kong and southeastern areas of the People's Republic of China (PRC). Following widespread precipitation on June 23, rainfall was sparse in most northern and north-eastern areas of the PRC.

A break in India's monsoon meant that high temperatures caused concern for seedling survival. Parts of southeast Asia, including Thailand and Malaysia had not received usual heavy summer rains and there were reports of crop stress.

Inadequate rains in Australia's wheat areas, particularly in the southwest, impeded completion of fall planting in the south and southeast.

Cold weather turned up in southern Brazil, but temperatures were not critical for coffee. No rain of consequence fell in Argentina's wheat region, where there is increasing need for it.

IMMEDIATE - U. S. Weather Report

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HARVESTING PROGRESS

Percent of Acreage Harvested
(as of June 27)

winter wheat

	1976	1975	Avg.
Colo.	1/	0	0
Ill.	38	40	34
Ind.	5	10	10
Kans.	15	35	10
Mo.	40	45	38
Mont.	0	0	0
Nebr.	0	0	0
Ohio	1/	0	0
Okla.	77	70	90
Oreg.	0	0	0
S. Dak.	0	0	0
Tex.	64	66	79
Wash.	0	0	0
U. S.	27	32	29

These 13 States produced 82%
of the Nation's winter wheat
in 1975.

1/Harvest only beginning

