

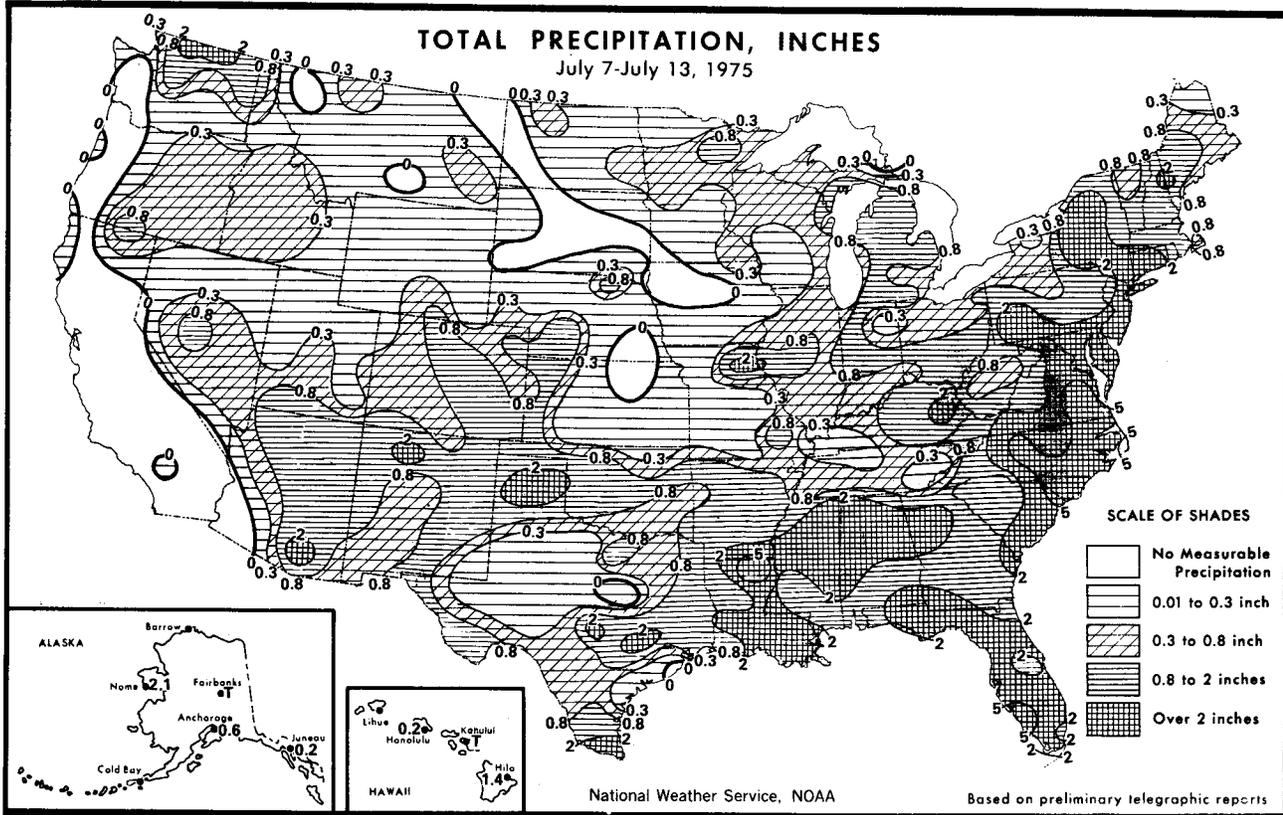
Weekly Weather & Crop Bulletin

U. S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Environmental Data Service
U. S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service

Volume 62, No. 28

July 15, 1975

Washington, D. C.



USCOMM-NOAA-DC

NATIONAL WEATHER SUMMARY

For the Week of July 7-13

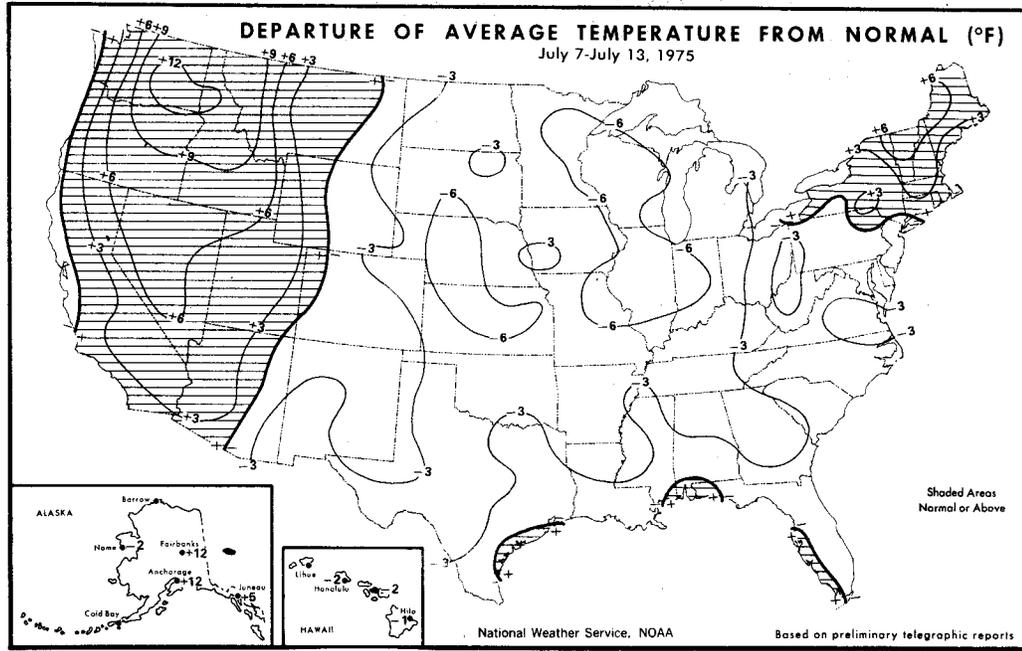
HIGHLIGHTS: Almost all of the United States reported rain during the week. The only exception was the far West Coast. Heavy amounts fell along the entire East Coast and the Gulf Coast States. Rather unusual thunderstorm activity occurred in the Pacific Northwest and, less unusual, in the Southwest. From the Continental Divide westward, temperatures ranged up to 10 to 12° above normal for the week. Nearly all of the rest of the Nation averaged near or below normal. The North Central States averaged 5 to 8° below normal.

PRECIPITATION: Thunderstorms that had intensified over the weekend dispersed on Monday throughout the Southeast and middle Mississippi Valley, but left their mark in the form of flash floods in Mississippi, Arkansas, and Oklahoma. No extensive damage was reported. Moist air moving northward

brought fog and cloudiness to the eastern third of the Nation, while areas west of the Mississippi River and into the Plateau Region were clear and sunny.

Isolated thunderstorms in the Rockies and Pacific Northwest gained momentum on Tuesday. Prolonged and heavy rains were generated as storms moved slowly across the Southwest. New storm activity developed in many of the Atlantic and Gulf Coast States, particularly Louisiana. Northeast Louisiana had a record rainfall of more than 10 in. within a 12 hour period. Clear, sunny conditions prevailed throughout the Northern and much of the Great Plains and in most areas of the Pacific Coast States.

From the Rockies to the Atlantic Coast, scattered thunderstorms continued on Wednesday, causing widespread local flooding. The southern half



of the Nation, again the target for most of this activity, claimed much of the measurable precipitation. Damage from Wednesday's storms was not extensive, but 62 mph wind hit parts of Louisiana and one and three quarter inch hail was reported in Maryland.

Thursday brought pleasant weather to the north central portion of the Nation, as sunshine and cool air followed the cold front moving slowly southeastward from the north. Thundershowers diminished in the early morning hours, but later gathered enough strength to bring strong winds and hail to the lower Mississippi Valley and to the mid-Atlantic Coast. Increased afternoon activity dumped the heaviest of its storms on the Gulf Coast States and the mideast. Meanwhile, flooding from the Red River in North Dakota continued.

An unusual heat wave in the West coupled with moisture from the southwest and the northwest caused the showers and thunderstorms to continue in those areas on Friday. Thunderstorms and rain continued from the New England Coast through the Mid-Atlantic and Gulf Coast States. Heaviest amounts were along the Southeast Coast where some stations reported over 3.00 in. of rain. Elsewhere, light showers and thunderstorms broke out in the Mississippi River Valley and western Great Lakes area.

The near stationary weather system was still active along the East Coast on Saturday. Thunderstorms, high wind and heavy rain with hail were reported all through the area. Flash floods were a danger in the area of heaviest rain from North Carolina through Maryland. Lighter showers and thunderstorms spread from the Mid and Upper Mississippi Valley eastward through Ohio.

The violent weather on the East Coast continued Sunday. Rainfall was heaviest from South Carolina to southern New England. High winds and flash floods hit many areas, especially northern New Jersey and Connecticut. Lesser storms were reported from Illinois to Michigan and into Pennsylvania. Elsewhere, showers and some thunderstorms

continued in the northern Rockies, Arizona and Oklahoma.

TEMPERATURE: Although temperatures declined as the week progressed, levels over most of the Nation remained above normal for early July. Sunny skies warmed the Southwest on Monday, pushing the mercury well past the 100° mark (Needles, Calif., 114°). Most States reported nighttime readings in the 60's and 70's.

Cooler air on Tuesday permeated the upper Midwest, moved into the middle Mississippi Valley, but stalled in Kansas on Wednesday, disappointing the humid southern half of the Country. Later that day the cold front turned its attention to New England, the central Appalachians, and west-central Texas, and once again left untouched the Gulf Coast and middle Plains, which registered temperatures in the 90's. Areas behind the front were up to 10° cooler, but elsewhere conditions remained warm and sultry.

The cooling trend brought early Wednesday morning lows in the 40's to Minnesota, Wisconsin, and Michigan, but no relief to the Gulf Coast, where lows ranged in the 70's. Areas west of the Rockies still sweated under afternoon temperatures well over 100°. Walla Walla, Wa. measured 113°. Warm temperatures were reported even as far north as Alaska, on Thursday where Fairbanks reported 92°.

Unseasonably cool weather for July spread over much of the Nation east of the Continental Divide on Friday. West of the Divide, however, quite warm to hot conditions persisted. Temperatures over 100° were common in the Southwest and eastern Washington. Low temperatures in the Northern Plains and Midwest were in the high 40's and low 50's.

This temperature pattern continued through the weekend but the Central States got even cooler. Many records were reported on Sunday morning: Rochester, Minn. reported 43°; Peoria, Ill. 48°; Springfield, Mo. 49°; Wichita, Kan. 51° and Waco, Tex. 63°. The heat wave west of the Divide persisted but some cooling began in the Northwest on Sunday.

NATIONAL AGRICULTURAL SUMMARY

For the Week of July 7-13.

HIGHLIGHTS: Heavy rains lashed the Atlantic Coast States relieving dry conditions in many areas, but causing some erosion and flooding. The Nation's winter wheat harvest advanced favorably and combining of the 1975 crop reached 65% completion versus nearly three-fourths a year earlier. Cooler temperatures moved over much of the major row crop producing area. However, development and progress continued strong.

SMALL GRAINS: Small grain harvest continued in high gear in the Nation's midsection and in southern areas where rainfall was light.

Winter wheat harvest was brisk throughout much of the major growing area. By July 13th, 65% of the 1975 crop was harvested, behind the excellent progress of 75% in 1974 and normal 66%. In Kansas combines continued to roll and wheat harvest was 90% finished, equalling the average progress. Last year harvest was complete. The Oklahoma wheat harvest was 98% completed, 2 weeks behind 1974. The average completion date was July 5th. Wheat harvest in Texas was rapidly nearing its end as farmers in the High Plains and Trans Pecos area were in their last fields.

Winter wheat harvest was begun in the South-Central areas of South Dakota; and was 35% complete in Nebraska; 65% in Ohio; 85% in Indiana; and 93% in Illinois.

Harvest of winter wheat was only 14% finished in Colorado much behind both last year's and the normal level. Harvest was getting underway in Washington and Oregon.

Small grain development continued to make good progress in most Northern States, as cooler temperatures moved in, slowing the pace of the previous 2 weeks.

CORN: Cooler than normal temperatures across the major corn producing area slowed the pace of development from the past couple of weeks, but continued strong in most States.

In the North Central States, average height of corn ranged from 65 in. in Illinois to 45 in. in Michigan. Iowa corn was reaching the silk stage in earlier fields and average height was 59 in., while most advanced fields averaged 76 in. Most areas of the State needed rain. Leaves on corn in drier areas were starting to roll and show stress. The crop was 25% silked in both Indiana and Ohio, 49% in Illinois, and 25% tasseled in Iowa. Development continues far ahead of the late 1974 crop and normal in most areas.

Dry soil moisture conditions were eased in Virginia and North Carolina and much of Kentucky and Tennessee. Condition of the crop declined in Kentucky however, and early corn in Tennessee was suffering from dry weather.

COTTON: Cotton development continued to make good progress and condition of the crop was favorable in most areas.

Cotton was making excellent progress in the Texas High and Low Plains following rains and warm temperatures. In Mississippi, cotton was 69% squaring, behind both 1974 and usual, while 32% of the acreage was blooming. A few early fields started blooming in Arkansas, while squaring was increasing rapidly. Cotton in Oklahoma was late with only 18% squaring. Farmers started defoliation practices to prepare for harvest in the Texas Rio Grande Valley, South, and Coastal Bend areas.

Cotton in New Mexico was in fair condition and starting to square. In Arizona, progress was behind normal, but recent growth was good. Blooms were appearing on the California crop.

SOYBEANS: Growing conditions continued mostly favorable despite the subnormal temperatures in most of the major soybean States. Planting was virtually complete except in the South Central Region.

In the North Central States, soybeans continue to develop ahead of normal and much ahead of last year's progress. In Illinois, the leading soybean producing State, 53% of the acreage was blooming and 25% was setting pods. In Iowa, 22% was blooming and 3% was setting pods. Average height of soybeans in Ohio was 20 in. and in Indiana 17 in.

Planting continued in the South Central States until the rains stopped activity in many areas. Planting was the furthest behind in Louisiana, where only 85% was in, followed by 96% in Mississippi.

OTHER CROPS: Sorghum in Texas was in various stages of development due to replanting. Harvest was making rapid progress in the Lower Rio Grande Valley, Coastal Bend, and South areas.

Tobacco harvest continues behind last year in the South Atlantic States and growth was slow, trailing the 1974 pace in Kentucky and Tennessee.

Peanuts in the South Atlantic States were in mostly good condition. Planting in Texas was complete, ahead of the 1974 and average level.

Idaho potato development trailed last year's crop with only 15% of the middles closing. In Aroostock County, Me. potatoes were starting to bloom.

FRUIT AND NUTS: Peach harvest peaked in Georgia; was 52% complete in North Carolina, and 46% in South Carolina. Harvest started on early varieties in Maryland and continued active from Virginia to Texas. Cherry picking is well underway in many northern orchards. New Hampshire grapes were forming large clusters, while in New York the set was variable and some hail damage occurred. In California, table grape harvest was increasing and the pesticide and mildew control applications were active. Almonds and walnuts were developing well. In Oregon, filbert size varied, while pecans in Texas were making good progress.

VEGETABLES: Harvest of vegetables in the North Atlantic States and Pacific Northwest continues to gain momentum. Vegetable supplies in Texas varied as some crops were in the windup stage and others were just beginning. In California, good supplies of broccoli, cauliflower, carrots, celery, lettuce, market tomatoes, and canning tomatoes were available. Sweet corn and cucumber harvests started in Michigan.

PASTURES AND LIVESTOCK: Pastures and ranges at lower elevations in several Western States were deteriorating to the point at which fires were easily started by lightning. Grazing prospects continue generally above seasonal normals across much of the Nation keeping livestock in mostly good condition. Some cattle were showing heat stress in California and Idaho.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., July 13, 1975

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	75	- 5	3.1	+2.1	La. Baton Rouge . . .	81	- 1	2.9	+1.4	Youngstown . . .	67	- 4	.7	-.2
Mobile . . .	82	+ 1	1.6	-.5	Lake Charles . . .	82	0	1.4	-.1	OKLA. Okla. City . . .	78	- 3	1.0	+.3
Montgomery . . .	81	0	.9	-.3	New Orleans . . .	80	- 2	3.3	+1.7	Tulsa . . .	79	- 3	.3	-.6
ALASKA. Anchorage . . .	70	+12	.6	+.1	Shreveport . . .	80	- 3	1.8	+1.1	OREG. Astoria . . .	60	0	T	-.2
Barrow . . .	73	+12	T	-.4	MAINE. Caribou . . .	70	+ 5	T	-.9	Burns . . .	75	+ 7	.4	+.3
Fairbanks . . .	61	+ 5	.2	-.8	Portland . . .	68	0	.6	0	Medford . . .	76	+ 5	0	-.1
Juneau . . .	48	- 2	2.1	+1.6	MD. Baltimore . . .	75	- 1	4.6	+3.7	Pendleton . . .	83	+10	.7	+.6
Kodiak . . .	87	+ 2	1.2	+.7	MASS. Boston . . .	74	+ 1	1.7	+1.1	Portland . . .	70	+ 3	0	-.1
Nome . . .	96	+ 5	T	-.1	Chatham . . .	87	0	.6	0	Salem . . .	68	+ 2	0	-.1
ARIZ. Flagstaff . . .	86	+ 2	2.0	+1.5	MICH. Alpena . . .	82	- 3	1.5	+.9	PA. Allentown . . .	73	- 1	1.6	+.6
Phoenix . . .	84	- 2	1.1	+.9	Detroit . . .	89	- 3	1.0	+.3	Erie . . .	74	+ 1	.4	-.4
Tucson . . .	78	0	1.1	+.9	Flint . . .	67	- 3	1.0	+.3	Harrisburg . . .	74	- 2	1.8	+1.0
Yuma . . .	95	+ 2	0	0	Grand Rapids . . .	66	- 5	.9	+.1	Philadelphia . . .	75	- 2	2.2	+1.3
ARK. Fort Smith . . .	77	- 5	.4	-.4	Houghton Lake . . .	63	- 3	1.3	+.5	Pittsburgh . . .	70	- 2	2.7	+1.8
Little Rock . . .	78	- 3	1.2	+.4	Lansing . . .	66	- 5	.7	+.1	Scranton . . .	73	+ 1	1.0	+.1
CALIF. Bakersfield . . .	87	+ 3	0	0	Marquette . . .	61	- 5	.8	+.1	R.I. Providence . . .	74	+ 2	1.8	+1.2
Eureka . . .	55	- 1	T	.9	Muskegon . . .	65	- 5	.5	-1	S.C. Charleston . . .	80	0	3.1	+1.2
Fresno . . .	81	0	T	0	S. Ste. Marie . . .	60	- 3	T	-.6	Columbia . . .	80	- 1	1.7	+.4
Los Angeles . . .	75	+ 2	0	0	MINN. Duluth . . .	59	- 6	.5	-.4	Greenville . . .	76	- 2	1.1	+.1
Red Bluff . . .	83	+ 1	0	0	Internat. Falls . . .	61	- 5	T	-.9	S.D. Aberdeen . . .	69	- 2	.1	-.6
San Diego . . .	70	+ 1	T	0	Minneapolis . . .	66	- 6	.2	-.7	Huron . . .	69	- 4	T	-.5
San Francisco . . .	58	- 4	T	0	Rochester . . .	65	- 5	.7	-.2	Rapid City . . .	67	- 5	.1	-.4
Stockton . . .	77	0	0	0	St. Cloud . . .	65	- 5	.2	-.5	Sioux Falls . . .	69	- 3	.2	-.5
COLO. Denver . . .	70	- 2	.8	+.4	MISS. Jackson . . .	79	- 3	.8	-.2	TENN. Chattanooga . . .	76	- 3	.3	-.9
Grand Junction . . .	80	+ 1	.3	+.2	Meridian . . .	80	- 1	2.6	+1.4	Knoxville . . .	76	- 2	T	-1.1
Pueblo . . .	75	- 1	1.2	+.8	MO. Columbia . . .	75	- 6	.1	-.8	Memphis . . .	79	- 2	.6	-.2
CONN. Bridgeport . . .	74	0	2.4	+1.7	Kansas City . . .	71	- 4	T	-.9	Nashville . . .	76	- 3	T	-.9
Hartford . . .	76	+ 3	2.0	+1.2	St. Louis . . .	72	- 6	.3	-1.1	TEX. Abilene . . .	80	- 4	T	-.6
D.C. Washington . . .	78	- 1	4.0	+3.1	Springfield . . .	73	- 4	T	-.9	Amarillo . . .	75	- 4	2.6	+1.9
FLA. Apalachicola . . .	79	- 2	2.0	+.2	MONT. Billings . . .	70	+ 2	0	0	Austin . . .	82	- 2	1.7	+1.2
Daytona Beach . . .	81	0	4.0	+2.5	Glasgow . . .	73	0	0	0	Beaumont . . .	82	- 1	.6	-.7
Ft. Myers . . .	82	0	5.2	+3.1	Great Falls . . .	71	+ 2	.1	-.2	Brownsville . . .	83	- 1	2.4	+2.1
Jacksonville . . .	80	- 1	1.3	+.3	Havre . . .	71	+ 2	.2	-.2	Corpus Christi . . .	85	0	.2	-.2
Key West . . .	84	0	1.3	+.3	Helena . . .	75	+ 4	.1	-.2	Del Rio . . .	84	- 3	.6	+.3
Lakeland . . .	80	- 1	2.5	+.6	Kalispell . . .	75	+11	T	.3	El Paso . . .	78	- 5	.9	+.5
Miami . . .	81	- 1	.5	-1.1	Miles City . . .	72	- 2	.5	+.1	Fort Worth . . .	83	- 1	.3	.1
Orlando . . .	80	- 1	1.3	-.7	Missoula . . .	76	+10	.3	+.1	Galveston . . .	84	+ 1	0	1.0
Tallahassee . . .	79	- 2	4.6	+2.5	NEBR. Grand Island . . .	73	- 5	T	.7	Houston . . .	82	- 1	.3	.6
Tampa . . .	84	+ 2	2.9	+1.0	Lincoln . . .	71	- 4	0	.8	Lubbock . . .	77	- 3	.2	.3
W. Palm Beach . . .	80	- 2	2.0	+.5	Norfolk . . .	73	- 4	.1	-.7	Midland . . .	80	- 2	.1	.3
GA. Atlanta . . .	75	- 3	2.5	+1.4	N. Platte . . .	68	- 6	.8	+.1	San Angelo . . .	81	- 3	.1	.2
Augusta . . .	77	- 3	.9	-.3	Omaha . . .	73	- 2	.3	-.6	San Antonio . . .	81	- 4	.4	0
Macon . . .	78	- 3	1.3	+.2	Valentine . . .	68	- 6	.1	-.5	Victoria . . .	84	0	.2	.4
Savannah . . .	79	- 2	3.3	+1.5	NEV. Ely . . .	71	+ 4	.3	+.2	Waco . . .	82	- 3	T	.4
HAWAII. Hilo . . .	74	- 1	1.4	-.6	Las Vegas . . .	94	+ 5	T	.1	Wichita Falls . . .	82	- 3	.2	.3
Honolulu . . .	78	- 2	.2	+.1	Reno . . .	74	+ 5	T	.1	UTAH. Blanding . . .	72	- 1	.2	0
Kahului . . .	76	- 2	T	-1.1	Winnemucca . . .	77	+ 6	.1	0	Salt Lake City . . .	81	- 5	T	.2
Linue . . .	82	+ 8	.6	+.5	N.H. Concord . . .	75	+ 5	1.5	+.8	VT. Burlington . . .	76	- 4	1.7	+.8
IDAHO. Boise . . .	85	+12	.3	+.1	N.J. Atlantic City . . .	74	- 1	2.4	+1.5	VA. Lynchburg . . .	72	- 4	.7	+.8
Lewiston . . .	77	+ 6	.3	+.2	Trenton . . .	74	- 2	2.3	+1.2	Norfolk . . .	74	- 4	4.8	+3.6
Pocatello . . .	77	- 3	.1	-.7	N.MEX. Albuquerque . . .	75	- 4	.3	0	Richmond . . .	75	- 3	6.1	+4.9
ILL. Cairo . . .	78	- 3	.1	-.7	Roswell . . .	77	- 2	1.0	+.6	Roanoke . . .	74	- 1	2.1	+1.3
Chicago . . .	71	- 4	.3	-.7	N.Y. Albany . . .	73	+ 1	1.4	+.7	WASH. Colville . . .	77	- 9	1.2	+1.0
Moline . . .	69	- 5	.6	-.5	Binghamton . . .	73	+ 4	2.2	+1.4	Omak . . .	81	+11	2.2	+2.1
Peoria . . .	68	- 7	.4	-.5	Buffalo . . .	73	+ 1	.6	0	Quillayute . . .	58	- 1	.1	-.5
Rockford . . .	67	- 6	.4	-.6	New York . . .	71	- 1	.3	-.3	Seattle-Tacoma . . .	68	+ 4	T	-.2
Springfield . . .	69	- 7	1.2	+.3	Rochester . . .	72	+ 1	.3	-.3	Spokane . . .	79	+10	1.1	+1.0
IND. Evansville . . .	76	- 2	.6	-.3	Syracuse . . .	71	0	3.3	+2.6	Walla Walla . . .	84	+ 9	T	-.1
Ft. Wayne . . .	69	- 4	.2	-.7	N.C. Asheville . . .	71	- 2	.9	-.2	Yakima . . .	82	+12	.1	0
Indianapolis . . .	69	- 6	.8	-.1	Charlotte . . .	76	- 2	1.0	.1	W.Va. Beckley . . .	68	- 2	1.1	+.1
South Bend . . .	67	- 5	1.3	+.5	Greensboro . . .	76	- 1	5.3	+4.3	Charleston . . .	72	- 3	.4	-.8
IOWA. Burlington . . .	69	- 6	.3	-.6	Hatteras . . .	77	- 1	4.5	+3.2	Huntington . . .	73	- 2	1.6	+.6
Des Moines . . .	72	- 3	T	-.8	Raleigh . . .	75	- 2	2.8	+1.7	Parkersburg . . .	71	- 4	.8	-.2
Dubuque . . .	65	- 7	.1	-.9	Wilmington . . .	80	0	5.5	+3.6	WIS. Green Bay . . .	63	- 6	.8	+.1
Sioux City . . .	70	- 5	T	-.8	N.DAK. Bismarck . . .	66	- 4	.2	.3	La Crosse . . .	65	- 8	T	-.9
KANS. Concordia . . .	73	- 4	T	-.8	Fargo . . .	66	- 4	.6	.1	Madison . . .	65	- 5	.1	-.8
Dodge City . . .	74	- 5	T	-.7	Williston . . .	88	- 2	0	.5	Milwaukee . . .	65	- 4	.4	-.4
Goodland . . .	70	- 5	.4	-.2	OHIO. Akron-Canton . . .	70	- 2	.6	.3	WYO. Casper . . .	69	- 1	T	-.2
Topeka . . .	71	- 7	.2	-.8	Cincinnati . . .	71	- 4	.5	.5	Cheyenne . . .	64	- 5	.1	.3
Wichita . . .	75	- 5	.1	-1.0	Cleveland . . .	69	- 2	.8	0	Lander . . .	70	0	.1	.1
KY. Lexington . . .	73	- 3	1.4	+.3	Columbus . . .	73	0	.8	-.2	Sheridan . . .	68	- 2	.1	.2
Louisville . . .	74	- 3	.8	.1	Dayton . . .	69	- 5	1.1	+.3	P.R. San Juan . . .	83	+ 2	.8	-.6
					Toledo . . .	68	- 4	.8	0					

Based on 1941-70 Normals

Standard copy for the Weekly Weather and Crop Bulletin is prepared by: Dr. Richard E. Felch, Lyle M. Denny, Orus W. Byrd, National Weather Service, NOAA; Walton Brown, Statistical Reporting Service, USDA.

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: Many areas received rain, heaviest 8th and 11th. More in north and central. Temperatures below normal all week.

Fieldwork: 3 days suitable. Corn 71% tasseled, 71% 1974; 18% dented, 16% 1974. Soybeans 21% blooming. Cotton setting bolls 20%, 23% 1974. Peanuts 65% pegging, 84% 1974. Hay 65% saved.

ALASKA: Tanana Valley: Temperatures much above normal reaching into the 90's. Second dry week with little or no precipitation. Matanuska Valley: Warm and dry with temperatures above normal and little or no precipitation. Kenai: Warm and dry with temperatures a few degrees above normal little or no precipitation. Kodiak: Unusually dry, temperatures normal.

Grain crops heading some areas. Hay and silage harvesting as weather was ideal in all areas. Large amount of cut hay received rain over weekend. Head lettuce harvest expected to begin by end of July. Radish harvest beginning. Topsoil moisture supply is mostly adequate.

ARIZONA: Showers most areas except southwest received normal to above normal amounts. Totals 1.00 to 2.00 in. common east, central mountains. Temperatures near normal.

Cotton progress behind normal, recent growth good. Central, west squaring, 80% showing bolls. Cotton in east good progress, 45% squaring. Barley harvest about finished. Wheat harvest 90% complete in west, 10% in southeast. Early grain sorghum setting seed, later plantings nearing bloom. Sugarbeet harvest full swing. Fall beets good growth. Safflower harvest started. Fourth cutting hay nearly 50% complete central, west. Cantaloup, watermelon harvest nearing completion Yuma, activities increased Maricopa, Pinal Counties. Mixed vegetable harvest seasonal progress. Plum, Thompson grape picking Salt River Valley. Cardinal, Perlette grape picking central, west. Harvest grapefruit, Valencia oranges Yuma, Maricopa Counties. Cattle, sheep condition very good. Condition forest ranges good.

ARKANSAS: Temperatures ranged from 1 to 5° below normal. Extremes: 49 and 97°. Hot early week, cool last of week. Precipitation mostly showers totaling 1.00 in. or more.

North half of State drier than south half, no area seriously dry. Fieldwork: 5 days available. Cotton making excellent progress; squaring increased rapidly; cultivation controlling weeds; sufficient moisture available; few fields blooming. Early rice near boot stage; internode length increasing; prospects excellent. Soybeans not under stress, but general rain would be helpful. Beans making excellent growth, early beans beginning to bloom. Soybeans after small grains up to good stand; planting 98% complete, 95% 1974, average 98%. Dent stage corn cut for silage. Early sorghum heading. Hay, pasture need rain for regrowth. Second cuttings nearly complete. Summer grasses fertilized. Fescue seed harvest nearly complete. Face flies and pinkeye serious problem on cattle.

CALIFORNIA: Scattered thundershowers inland, mainly over Sierra Nevada. Warming trend inland, highs end of week, 60's north coast, 80's south coast, near 100° central valley.

Small grain harvest continues. Rice looks good. Milo and corn still planted. Dry beans treated for mites. Sugarbeets doing well. Cotton bloom appearing. Alfalfa continues to be cut and baled. Safflower bloom. Table grape harvest increasing; pesticide, mildew control applications active. Almond, walnut, apple, pear, olive development good. Peach, nectarine, plum harvests continue; cherry harvest complete. Orange, grapefruit, lemon harvests seasonal levels. Broccoli, cauliflower supplies good Salinas, Santa Maria. Cantaloup nearly complete Imperial, increasing Bakersfield. Carrot normal Salinas. Celery increasing Salinas, Oxnard complete by 15th. Honeydew steady Palo Verde. Lettuce heavy Salinas; Oxnard winding up. Spring potato declining Bakersfield. Summer potato beginning Hemet. Market tomato increasing San Joaquin, south. Canning tomato continues south. Watermelon beginning Kern. Condition livestock generally good. Cattle treated face flies, supplemental feeding continuing. Sheep grazing stubble central valley. Stock water ample.

COLORADO: Heavy showers mountains and east. Arkansas Valley averaged 0.90 in. moisture, mountains and west 0.50 in. Temperatures above normal mountains, southwest; normal elsewhere.

Winter wheat 14% harvested, 48% average, 79% 1974; 91% turning color, 46% ripe. Harvest 56% complete southeast, test cutting northeast. Winter barley 92% turning, 42% ripe; 12% harvested, 49% average, 71% 1974. Corn good condition, average height 28 in. Sorghum fair condition. Sugarbeets, dry beans very good condition. Sweet cherry harvest active. Tart cherries to start this week. First cutting alfalfa complete lower elevations, 35% complete mountains. Good regrowth. Ranges and pastures good condition, mountain ranges improved. Livestock good condition.

FLORIDA: Temperatures averaged near to slightly below normal. Rainfall generally light to moderate but heavy over weekend. Rainfall ranged from 0.10 to near 7.00 in. central areas.

Soil moisture mostly adequate. Corn good to excellent condition; harvest underway. Peanuts good condition. Digging green peanuts continues. Soybeans making rapid growth. Flue-cured tobacco harvest active. Auction markets opened July 8th. Sugarcane good condition. Pasture grasses are making good growth in response to daily rains. Forage conditions good to very good. Producers active establishing new pasture, liming, fertilizing, controlling mole crickets. Cattle, calves continue to gain in condition. Some calves being weaned. Marketing activity increasing seasonally. Citrus grove condition excellent. Afternoon rains continue, moisture generally adequate. New growth everywhere and new crop fruit progressing very well. Valencia harvest slowing. Watermelon harvest on late acreage west; quality, yield good. Sweet corn harvest nearly complete.

GEORGIA: Temperatures near normal north and southwest, 1 to 3° below normal central and southeast. Showers and thundershowers general, lightest rainfall in northeast averaging less than 0.50 in., most other areas 1.00 in. or more. Heaviest rainfall nearly 6.00 in. Lowndes County in south central.

Rains received most areas. Corn, cotton, soybeans, peanuts, hay crops, watermelons, pastures

and livestock mostly good condition. Cotton 69% squaring. Peanuts 96% blooming, 81% pegging. Tobacco 39% harvested. Peach harvest past peak, volume expected to decline. Shipments through July 10th, 1,375 carlots, compared 608 year ago. Watermelons 60% harvested.

HAWAII: Growing conditions remain favorable for vegetable and fruit crops. Rainfall generally light. Some beneficial rains in Puna and Hilo area on Hawaii. Somko sections on Kauai and Hawaii experiencing dry spell. Some pastures adversely affected. Water table in reservoirs to irrigate sugarcane getting low. Vegetable and melon supplies adequate. Banana supplies light. Papaya production declining. Pineapple harvesting at peak. Sugar harvesting steady.

IDAHO: Temperatures averaged 10° above seasonal normals southwest 12° north, 7° southeast. Extremes: 10 and 44°. Humidities also high. Precipitation spotty except south where up to 1.00 in.

Above normal temperatures allowed most crops excellent growth and development. Crop development behind normal but catching up. Irrigation No. 1 farm activity. Hot dry weather hurt pea and lentil crops. Fruit crop good to excellent condition, cherry harvest active. Winter wheat 25% turning, 60% 1974. Mixed 20% grain turned, 30% previous year. Spring barley and spring wheat 10% and 5% turned, 40% and 20% 1974. Potato crop 15% closing middles, 35% 1974. Oat crop 10% turned, 25% 1974. Green peas for processing 35% harvested, 60% 1974. Second cutting alfalfa 1% cut, 5% 1974. Pasture grasses good to excellent, lower level ranges drying due hot weather, resulted numerous fires by lightning. Most livestock doing well, some wheat stress.

ILLINOIS: Temperatures 4 to 7° below normal north two-thirds, extreme south 3° above normal. Precipitation ranged 0.10 in. extreme northwest to over 1.00 in. central.

Corn good to excellent; average height 65 in. most advanced 83 in.; 49% corn silked, 10% 1974, average 12%. Soybeans blooming 53%, 6% 1974, average 19%; 25% setting pods; condition good to excellent. Oats 80% turned yellow, 40% ripe; 30% combined, 14% 1974, average 14%; condition good to excellent. Barley 80% harvested. Wheat harvest 93% complete, 97% 1974, average 95%. Alfalfa hay 2d crop 35% cut, 41% 1974, average 38%. Crop and pastures good to excellent.

INDIANA: Cool week, temperatures averaged 4° below normal and ranged from 45° west central to 93° extreme southwest. Rainfall averaged 0.40 to 0.70 in.

Fieldwork averaged 6 days. Topsoil moisture mostly short. Subsoil moisture short to mostly adequate. Wheat 85% combined, 70% in 1974, 50% average. Wheat 100% ripe. Oats 15% combined, 10% in 1974 and average. Barley 90% combined, rye 55% combined. Corn 60 in. high, 30 in. 1974, 45 in. average. Corn 25% silked, 5% in 1974, 10% average. Soybeans 17 in. high, 9 in. in 1974. Soybeans 30% bloomed, 5% setting pods. Alfalfa hay 25% cut twice, 15% in 1974. Clover hay 85% cut. Pastures mostly fair.

IOWA: Temperatures 4 to 7° below normal ending prolonged warm spell. Precipitation well below normal, small areas receiving 0.25 in.

A break in hot, humid weather with cooler temperatures slowed drying. Little rain fell locally beneficial. Some stress in sandy areas.

Leaf hoppers in alfalfa, some root rot and rootworms. Fieldwork: 6.7 days suitable. Corn reaching silking stage and needs rain; some rolling of leaves and stress, minor cases of rootworm, corn borer; condition good to excellent; average height 59 in., most advanced 76 in.; 25% tasseled, 10% of field with 75% silking. Soybean condition good, 22% blooming, 3% setting pods. Oats 8% harvested, wheat 40% harvested. Second cutting alfalfa 30% harvested. Red clover 90% harvested. Topsoil moisture 60% short, subsoil moisture adequate.

KANSAS: Average temperatures 2 to 4° below normal, some record lows late week. Rainfall localized, beneficial amounts mostly in extreme west and extreme southeast.

Wheat harvest 90% complete, same as normal, 100% 1974. Corn 30% tasseled, same as 1974 and average; 5% in dough, 5% average. Few soybean fields podding stage, 5% average. Few sorghum fields headed, 5% average. Alfalfa second cutting 70% harvested, 80% 1974, 75% average. Third cutting 5% harvested, equal to 1974 and average. Topsoil moisture becoming short some areas. Range and pasture condition very good.

KENTUCKY: Temperatures near or slightly above normal through midweek, falling to below normals late week. Highs upper 80's to low 90's through midweek and upper 70's by week's end. Rainfall averaged from under 0.50 in. west to near 1.25 in. central and 1.00 in. east.

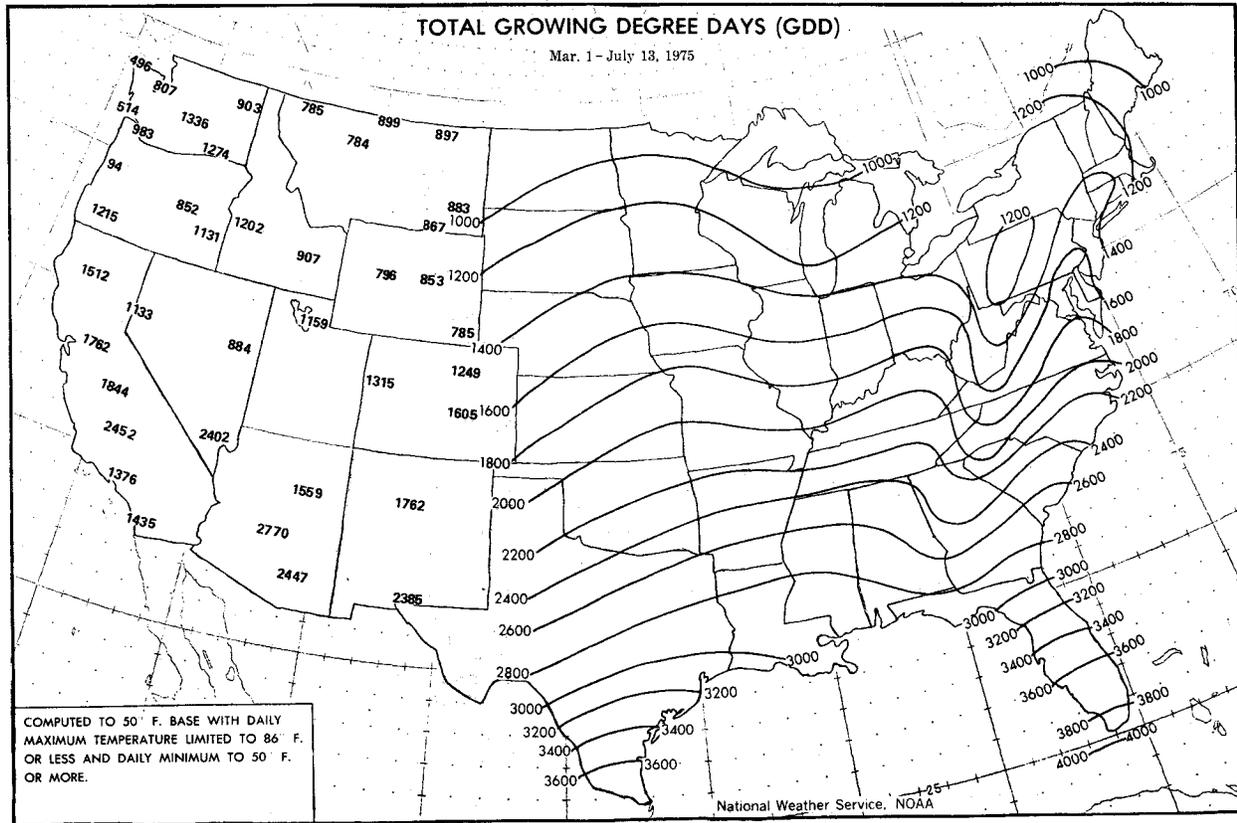
Hot, dry weather slowed crop growth. Soil moisture 69% short, 24% adequate, 7% surplus. Fieldwork: 5 days favorable. Corn condition declined. 43% tasseling, 35% 1974, 30% average. Soybeans fair, emerged crop 13 in. tall, 11 in. 1974, 12 in. average. Tobacco growth slowed and behind 1974 70% one foot or more tall, 81% 1974. Insects less problem on tobacco than in 1974, diseases about same level. Pastures deteriorated, only fair.

LOUISIANA: Temperatures near normal south, 2 to 4° below normal north. Heavy rains with some flooding north central on 7th. Greatest 1-day rainfall 6.49 in. Monroe on 8th. Scattered thunderstorms produced measurable rains 3 to 4 days most areas. Temperature extremes: 96° Oberlin, Alexandria, and Monroe on 7th, 67° Alexandria on 12th.

Soil moisture surplus. Fieldwork possible 2.3 days. Soybean planting, crop cultivation, insect control, vegetable harvest, hay harvest, and ditch work main activities. Soybeans fair, late and grassy, 85% planted, complete July 1, 1974. Cotton mostly fair; squaring, few insect problems. Corn and sorghum good to fair. Corn beginning to mature. Sorghum planting near 85%. Rice heading in south. Red rice, brown spot, and insects prevalent. Sugarcane growth good, weeds and grass plentiful. Borer control underway, moderate to heavy infestation. Sweetpotatoes good to excellent. Pastures average. Cattle mostly good.

MARYLAND AND DELAWARE: Temperatures near normal, highs low 80's to low 90's except Garrett County, upper 70's. Lows, low 50's to upper 60's. Precipitation both States ranged 0.10 to 4.20 in. Localized wind and hail damage on 9th. Weekend generally heavy rains.

Barley harvest 97%, 1974 94%. Wheat 75%, 1974 80%, average 57%. Oats complete southern area, well along north. Soybeans nearly planted. Corn 33% silked, 1974 25%. Other activities: Baling straw and hay, early apple and peach harvest, cantaloupe and tomato harvest started, cucumbers and sweet corn continues.



MICHIGAN: Temperatures averaged 3 to 6° below normal most of State. Precipitation varied from 0.50 in. to 1.50 in. over most of Lower Peninsula and from 1.30 in. southwest upper to less than 0.20 in. extreme east and northwest Upper Peninsula. Cool, dry weather limited crop development. Soil moisture short to adequate. Fieldwork 5.5 days. Corn showing moisture stress in drier areas. Average corn height 45 in., 25 in. 1974. Dry beans developing well, early fields in blossom. Sugarbeets good top growth. Soybeans showing moisture stress drier areas. Winter wheat 32% ripe or harvested, 8% 1974, 24% average. Oats 88% headed or more advanced, 78% 1974, 84% average. Hay making rapid, 90% first cutting made, 81% average. Pasture feed below average. Sweet cherry harvest near completion southwest, starting northwest. Tart cherry harvest underway southwest. Sweet corn and cucumber harvest started.

MINNESOTA: A cool dry week. Temperatures 4 to 6° below normal. Extremes: 99 and 34°. Precipitation 0.40 to 0.80 in., subnormal with only 0.10 to 0.20 in. averages in major agricultural areas. Extreme southwest again dry with 0.10 in. Cool weather favorable for late season development of small grains. Small grain ripening in southern two-thirds, but in important northern counties a lot of acreage not yet headed. Spring wheat 18% turning ripe, average 21%; oats and barley 25% turning ripe, average 33%. Corn height 48 in., 1974 38 in., average 44 in. Soybean 15 in. or average growth. Cropland losses due to drown-out and yield reductions from excessive moisture last two weeks is as follows: 60 to 70% Clay and Norman Counties; 35% Wilkin County; 50 to 60% Pennington, Marshall, Red Lake and Rosbau and one-third Kittson; 40,000 acres sugarbeets

lost plus many undetermined acres spring wheat, barley, oats, potatoes.

MISSISSIPPI: Rainfall averaged 1.00 to 2.00 in. Temperatures near normal. Extremes: 99 and 62°. Greatest 24-hour rainfall was 4.00 in. at Belzoni on 8th.

Soil moisture mostly adequate. Fieldwork: 3.5 days suitable. Cotton 64% squaring, 81% 1974, 81% average; 32% blooming. Soybeans 96% planted, 87% 1974, 99% average; 85% up to stand, 70% 1974. Sorghum 97% planted, 89% 1974, 93% average. Corn 64% tasseled, 70% 1974, 65% average; 52% silked, 62% 1974. Sweetpotatoes 95% planted. Wheat 98%, oats 97%, Irish potatoes 91%, peaches 63%, cucumbers 76% and hay crops 37% harvested. All reported crops are in fair to good condition.

MISSOURI: Temperatures 3 to 5° below normal east, normal elsewhere. Precipitation light west and north, heavy east Ozarks and Bootheel.

Fieldwork: 6 days suitable. Soil moisture 75% short, 24% adequate, 1% surplus. Wheat harvest 93% complete, 95% 1974, 91% average. Corn 41% silked, 33% 1974, 29% average; condition fair to good. Soybeans 23% blooming, condition fair to good. Cotton 82% squaring, 65% 1974, 67% average; condition fair to good. Alfalfa 2d cutting 63% complete, 66% 1974, 66% average; Clo-Tim hay harvest 80% complete, 77% 1974, 78% average.

MONTANA: Warm west and southwest. Temperature near normal elsewhere. Precipitation mostly from showers and thunderstorms early and again at week's end. Dry south central and northeast, but precipitation near normal elsewhere. Highs in 80's and 90's.

Crop growth excellent. Soil moisture and irri-

gation water adequate. All grain crops good condition. Winter wheat 15% turning, 1974 73%, normal 44%. Spring wheat 25% headed, 1974 80%, 70% normal. Oats and barley 20% headed, 1974 85%, normal 75%. Alfalfa 50% cut, wild hay 30%, 1974 76% alfalfa and 82% wild hay done. Grazing prospects good to excellent. Grasshopper activity light to moderate.

NEBRASKA: Cool weather prevailed beginning mid-week.

Irrigation in full swing. Fieldwork: 6.5 days suitable. Winter wheat 35% harvested, 90% 1974, 45% normal. Corn good to excellent condition. Sorghum and soybeans mostly good condition. Alfalfa and wild hay good condition; 45% second cutting harvested. Topsoil moisture supplies 26% adequate and 74% short. Subsoil moisture supplies 53% adequate and 47% short. Pasture and range feed supplies 67% adequate.

NEVADA: Typical summer weather. Temperatures remained several degrees above normal throughout. Extremes: 111° Logandale, 43° Mountain City. Thunderstorms most days late in afternoons. Heaviest precipitation occurred northeast, ranging from a few hundredths to over 1.00 in.

First cuttings alfalfa hay about complete north, yields disappointing. Wild hay yields also down.

NEW ENGLAND: Fair weather across New England until 9th with showers lingering over Massachusetts, New Hampshire, Maine through 10th. Substantial rains most areas by 13th except northwest Vermont. Southern Vermont 3.27 in. on weekend. Warm, humid air, coastal fog across region. Warmest inland 91° on 7th and 8th Burlington, Vt. Eastport, Me. coldest area with 59° on 11th.

Warm, dry throughout New England until midweek showers began ending in general rain over weekend and eased moisture shortages. Northern silage corn tasseling. Aroostook County, Maine potatoes starting bloom. Cranberries and apples sizing well. New Hampshire grapes forming large clusters. Second cutting alfalfa began southern areas, north topdressing for regrowth stimulus. Pastures short all areas, but should recover with rain.

NEW JERSEY: Temperatures averaged slightly below normal. Extremes: 57° at Newton on 10th and 88° at several locations on the 9th and 10th. Rainfall averaged 4.46 in. north, 2.63 in. central and 4.14 in. south. Heaviest 24-hour total was 5.27 in. at Seabrook on 13th to 14th. Estimated soil moisture in percent of field capacity was 95% to 100% throughout.

Extensive crop damage occurred as result of heavy rains, hail and tornado winds. Harvest of peaches, blueberries, wheat and vegetables was underway early week, but by week's end all fieldwork was at a standstill. Recently seeded soybeans and late vegetables eroding. Rainfall continued heavy end of period. Extent of crop damage cannot be determined at this time.

NEW MEXICO: Best rainfall of year with all areas receiving substantial amounts and totals ranging to more than 2.00 in. Temperatures averaged near to about 4° below normal. Warmest at early week, very cool all areas on 10th and 11th warming again over weekend.

Scattered rains, soil moisture mostly short. Livestock fair to good. Ranges and cotton fair, squaring started. Alfalfa fair to good, second cut completed north, third cut started south. Sorghum fair to good, corn good. Wheat and barley harvest 90% complete. Lettuce harvest complete.

Onions good; chili fair; peanuts excellent. Sunflower good and spraying for moths

NEW YORK: Light rain north and west not enough to ease dry conditions. Central and Hudson Valley areas recorded over 2.00 in., mostly from thunderstorms; some severe. Temperatures continued above normal. Extremes: 47° at Saranac Lake, 94° at Massena.

Dry weather helped haying but slowed crop development. First cutting nearly complete, regrowth slow. Corn condition good, but some leaves curling. Pasture poor to fair. Upstate potatoes blooming. Early sweet corn and snap beans in harvest stage. Celery harvest starting. Onions, cabbage and tomato prospects good. Western sweet cherry harvest at peak; tart cherry harvest beginning. Hudson Valley tart cherry and Lodi apple harvest underway. Grape set variable, hail damage in Niagara and Chautauqua Counties.

NORTH CAROLINA: Significant rainfall occurred with excessive rains in the north, east of mountains. Temperatures were from 1 to 2° below normal except southeast.

Fieldwork: Averaged 4.0 days suitable. Soil moisture much improved, 4% very short, 19% short, 66% adequate, 11% surplus. Most growing crops improved. Flue-cured and burley tobacco fair to mostly good. Flue-cured 7% harvested, 1974 12%, average 4%. Decline in corn condition halted, crop mostly fair to good. Cotton and soybeans fair to mostly good. Some decline in cotton. Peanuts mostly good. Irish potatoes fair to good; 68% dug, 1974 82%. Hays fair to good; 66% cut, 1974 52%. Pastures improving, mostly fair to good. Small grain harvest virtually over, average 98%, 95% in 1974. Sweetpotatoes fair to mostly good. Apples mostly good. Peaches 52% picked, 1974 43%. average 32%.

NORTH DAKOTA: Temperatures slightly below normal ranging from 3° below normal east central to 2° above normal northwest. Extremes: 41° at Bismarck on 12th, 95° at Pretty Rock on 6th. Precipitation averaged below normal. North central and northeast averaged 0.56 in. below normal and southwest 0.10 in. above normal. Dickinson with 0.85 in. had greatest rainfall for week and greatest daily rainfall with 0.74 in. on 7th. Weekend brought near normal temperatures with no precipitation.

Flooded area fields east central and southeast counties still too soft for fieldwork. Damage now occurring to crops along Red River as flood waters move into central and northern valley counties. Crops out of flood area excellent condition. Clear, sunny weather now permitting haying, spraying and cultivating operations.

OHIO: Rainfall each day, heaviest 10th and 13th. Greatest weekly amount 1.93 in. east central. Many areas received no rainfall. High temperatures in 80's, 7th and 8th, 70's 9th to 13th. Extremes: 89 and 49°.

Harvest completion: Wheat, 65%, 65% 1974 and 50% normal; barley 85%, 50% normal; alfalfa hay 2d cutting, 35%, 25% normal; clover-timothy hay 2d cutting, 15%, 5% normal. Oats 45% ripe, 20% 1974 and 25% normal. Oats 5% harvested equal to 1974 and normal. Average height: Corn 60 in., 42 in. 1974 and 44 in. normal; soybeans 20 in., 13 in. 1974 and 15 in. normal. Both 2 weeks ahead of normal. Corn 25% silked, 5% 1974 and normal. Soybeans 15% setting pods, 5% 1974 and normal. Minor hail damage northwest. Soil moisture 31% short, 65% adequate and 4% surplus. Fieldwork: 6 days favorable.

OKLAHOMA: Temperatures generally below normal. Precipitation ranged from 0.29 in. southeast to 0.96 in. southwest. Weekend very warm with rain in scattered areas.

Wheat harvest now 98% completed, two weeks behind 1974, average completion date July 5th. Clean up operation in northern counties and isolated wet areas. More than two-thirds wheat stubble worked once. All row crops in mostly good condition. Corn starting to tassel in Panhandle; 40% crop tassel or later stage. Sorghums 11% headed, week behind year ago. Cotton late with only 18% squaring. Soybeans development near usual with 11% blooming. Peanuts now 14% blooming, week later than normal. Pecan crop has good set many areas. Ranges and livestock holding up to high level.

OREGON: Temperatures ranged 0 to 15° above average. Maximum temperatures in 100's, minimums in 50's. Precipitation in east ranged 0.01 to 0.66 in. west 0.14 in. or less.

Grass seed harvest full swing. Barley harvest continuing. Wheat harvest beginning. Mint looking better. Second cutting hay some areas. Cherry, raspberry, loganberry, harvest continuing. Strawberries ending. Filberts look good, nut size varying in trees. Prune crop sizing well. Green beans, sweet corn look good. Beans still being planted. Broccoli harvest beginning. Green pea harvest continuing. Potato harvest will begin next week. Ranges and pastures in good condition. Rain has stimulated perennial grasses. High temperatures are drying ranges. Livestock in good condition. Lambs going to market.

PENNSYLVANIA: Hot, humid with widely scattered evening thunderstorms most of week. Extremes: 87 and 44°. Significant rainfall caused flooding southeast on 26th and 27th. Elsewhere received below normal rainfall.

Soil moisture adequate. Major activities cultivating, planting tobacco, spraying, hay making, combining barley and wheat. Tobacco transplanting complete. Barley 38% ripe and 33% harvested, 4 days behind 1974. Wheat 37% turning, 54% ripe, 6% harvested, also 4 days behind 1974. Oats 31% turning yellow, 2% ripe, same as 1974. Corn 36 in. tall, 2 days ahead of 1974. Alfalfa hay first cut 95%, second cut 25%. Clo-Tim first cut 83%. Feed from pastures average. Harvest active on cherries, sweet corn and snap beans. Early tomatoes nearly ready to pick.

PUERTO RICO: Island average rainfall 0.65 in. Highest weekly total 3.66 in. at Utuado. Highest 24-hour total 2.08 in. at Maricao. Temperatures averaged about 80° on coastal and 75° interior. Extremes: 97 and 57°.

Agricultural drought continued causing considerable damage to sugarcane fields, coffee farms, pasture lands and food crops in all areas except some in west where rainshowers helped development. In some central areas the dry weather is withering coffee shrubs. No activity in tobacco zones.

SOUTH CAROLINA: Temperatures averaged slightly below normal. Scattered showers and thunderstorms occurred throughout week. Heaviest rainfall near south coast.

Soil moisture adequate most areas. Cotton condition fair to good; 87% squaring, 91% 1974; 47% setting bolls, 55% 1974. Corn condition good; 76% silked, 86% 1974, 92% average; 51% dough stage, 60% 1974; 13% mature, 6% 1974. Peaches harvested 46%, 59% 1974, 40% average. Tobacco 25% harvested, 42% 1974, 28% average.

Watermelons harvested 53%, 53% 1974, 42% average. Peanuts fair to good condition. Pastures fair to good condition.

SOUTH DAKOTA: Temperatures 3 to 9° below normal. Extremes: 95 and 38°. Very little moisture received, most areas just a trace. Precipitation departure from normal since March 30th ranges from 4.46 in. above northwest to 4.59 in. below southeast.

Maturity of small grains continue to lag. Winter wheat 39% ripe, 1974 88%, normal 60%. Harvest of winter wheat started south central. Rye 30% ripe, 1974 78%, normal 65%; harvest started south. Spring wheat, oats and barley are 8%, 17% and 22% ripe respectively, well behind 1974 and normal. Corn is starting to tassel in early planted fields. Flax 81% in or past bloom stage slightly behind 1974 and normal. Soybeans 47% blooming, 1974 45%, normal 43%. Corn 93% cultivated for second time. Second cutting alfalfa 25% harvested, 1974 45%, normal 43%; east over 50% and west just starting. Wild hay 35% harvested, 1974 52%, normal 43%. Livestock in generally good condition but flies and pink-eye troublesome. Pastures are generally adequate.

TENNESSEE: Rainfall fell each day as scattered showers with heaviest in west early week. Temperatures averaged about normal first half of week and 1 to 3° below normal last half.

Soybeans in very good condition; blooming 14%, 1974 14%, normal 16%. Few plants setting pods. Early corn suffering from dry weather. Corn silked 62%, 1974 38%, normal 45%, in dough stage 16%, 1974 and average 10%. Cotton good condition; squared 91%, 1974 56%, normal 76%; setting bolls 31%, 1974 10%, normal 16%. Tobacco needs rain, growth uneven and small pastures driest since 1971.

TEXAS: Cold front moved Panhandle 9th triggering showers, thunderstorms on way south. Temperatures normal or below ranging from average along Upper Coast to nearly 5° below normal west, northwest. Precipitation variable but generally above normal all areas. Heavy rains late week dumped up to 3.00 in. south. Wheat harvest rapidly nearing completion as harvest corn, rice, sorghum just starting. Cotton maturing rapidly south, harvest to get underway shortly. Peanuts, soybeans making satisfactory progress. Harvest sunflowers underway south several weeks, moved northward into south central. Sunflowers High, Low Plains making excellent progress, but insect problems have increased rapidly. Wheat farmers harvesting last wheat fields High Plains, Trans-Pecos where most wheat ordinarily under irrigation. Seedbed preparation for fall crop moving along at rapid pace from High Plains to South. Cotton making excellent progress High, Low Plains following rains, warm temperatures. Insect problems continue Blacklands, East where control measures necessary. Farmers started defoliation Valley, South, Coastal Bend preparing for harvest. Sorghum: Harvest making rapid progress Lower Rio Grande Valley, Coastal Bend, South expected to move into south central, upper Gulf Coast shortly. Because replanting, sorghum in various stages development. Major crops percent planted: Soybeans 100, 1974 100, average 98; peanuts 100, 1974 97, average 98. Major crops percent harvested: Cotton 0, 1974 1; corn 3, 1974 1; sorghum 20, 1974 20. High Plains: Onion harvest continues, yields, quality good. Cucumber picking underway. Potato harvest active. Trans-Pecos: Onion harvest active. Lettuce, cabbage harvest almost complete El Paso. North: Corn, tomatoes,

squash, bean harvest continues. Planting black-eyed peas in cotton fields destroyed by hail. Knox-Haskell: Potato harvest nearing completion. Southern peas doing well. East: Tomato harvest nearing completion, watermelon harvest to begin. Central: Watermelon harvest continues. Tomato picking approaching completion, land preparation fall vegetables. San Antonio-Winter Garden: Watermelon harvest nearing completion. Onion, cucumber completed. Lower Rio Grande Valley: Honeydews, harvest almost complete. Rains delayed vegetable harvest. Peach harvest active north, east. Pecans good progress, damage due second generation casebearer south central. Citrus fruit sizing well. Livestock holding up well, continue gain weight. Ranges above normal most localities, furnishing abundant grazing. Hay harvest, curing delayed by rains. Second cuttings underway, yields generally above average, many localities excellent third cutting prospects. Screwworm cases continue northward movement, latest confirmed cases from northern Edwards Plateau.

UTAH: Scattered showers and thunderstorms late period. Accumulated moisture generally light to moderate but locally heavy few areas. Average temperatures ranged between 2 and 7° above normal.

Winter wheat turning color rapidly. Harvest expected to begin about July 30th. Spring planted small grains heading out; considerable lodging from high winds; some frost damage from late June freezes. First crop alfalfa hay harvest nearing completion; yields light, quality varied. Sweet cherry harvest beginning, mostly pick your own. Production prospects poor to fair. Green pea harvest about half way along. Other vegetable crops making good progress.

VIRGINIA: Scattered showers throughout period. Temperatures averaged little below normal, extremes 94 and 48°. Showers, thunderstorms most of period. Rainfall 3.00 to 5.00 in. central, east; 1.00 to 2.00 in. west. some local hail. Corn responding quickly; 33% silked, ranging 10% west to 85% southeast. Soybean planting continues. Much needed rains on peanuts, leafspot controls underway. Tobacco responding quickly, first harvest started. Other types good. Wheat harvest 82% complete. Barley near end. Oats 82% harvested. Haying active but difficult. Pastures improved. Peach harvest increasing. Summer apples being picked. Hail some orchards on 10th, damage not known. Potato harvest Eastern Shore under improved soil conditions. Tomato harvest beginning.

WASHINGTON: West: Temperatures normal to 4° above normal. Precipitation below normal except in north where 1.00 in. above normal.

Strawberry harvest continued. Raspberry harvest begun. Cutting hay active. Green pea, lettuce harvest continued. Sweet and silage corn slowed rapid growth. East: Temperatures well above normal. Precipitation normal to slightly below normal.

Cherry harvest winding down. Harvest early vegetables continued. Winter wheat harvest getting underway. Winter barley harvest continued. Green pea harvest accelerating, good quality and yields. Some heat damage to crops. Damage to fruit and some trees in north from hailstorm. Haying active, some second cutting alfalfa.

WEST VIRGINIA: Temperatures below normal. Precipitation above normal. Scattered thundershowers throughout week with hail some areas.

Favorable work days 3.4. Soil moisture 13% short, 68% adequate and 19% surplus. Main field activities haymaking and gardening. All growing crops mostly good condition. First cutting hay 82% complete. Barley 50% harvested. Oats in good condition, 12% ripe. Corn in good condition. Some tomatoes have blight. Pasture and livestock in good condition.

WISCONSIN: Temperatures averaged 5° subnormal. Highs were in 60's and 70's, lows 40's and 50's. Rain fell every day but amounts generally light, averaging less than 1.00 in.

First crop haying 87% completed, 1974 99%, normal 88%. Quantity good but quality lowered by rains and over maturity. Second crop coming good on early cut fields. Corn continues excellent development; height average 48 in., 1974 29 in., normal 31 in., early corn silking. Small grains appear in excellent condition. Winter wheat and rye near harvest. Early oats, barley, spring wheat turning. Oats 90% headed, 1974 88%, normal 95%. Soybeans developing well. Pasture condition ahead of 1974 and normal. Potatoes looking good. Pea yields reduced by high temperatures and root rot. Sweet corn in fine shape, other vegetable crops fair to good. Tobacco fields okay. Cherry harvest to begin soon in Door County. Soil moisture 25% short, 70% adequate, 5% surplus.

WYOMING: Temperature departures from normal small. Greatest departures in Green and Bear Drainage as much as 8° above normal. No maximums below 80°, most areas had few 90 to 100°. Heavy thundershowers lower Platte Drainage on 7th. Most areas varied widely from normal due to showery type weather.

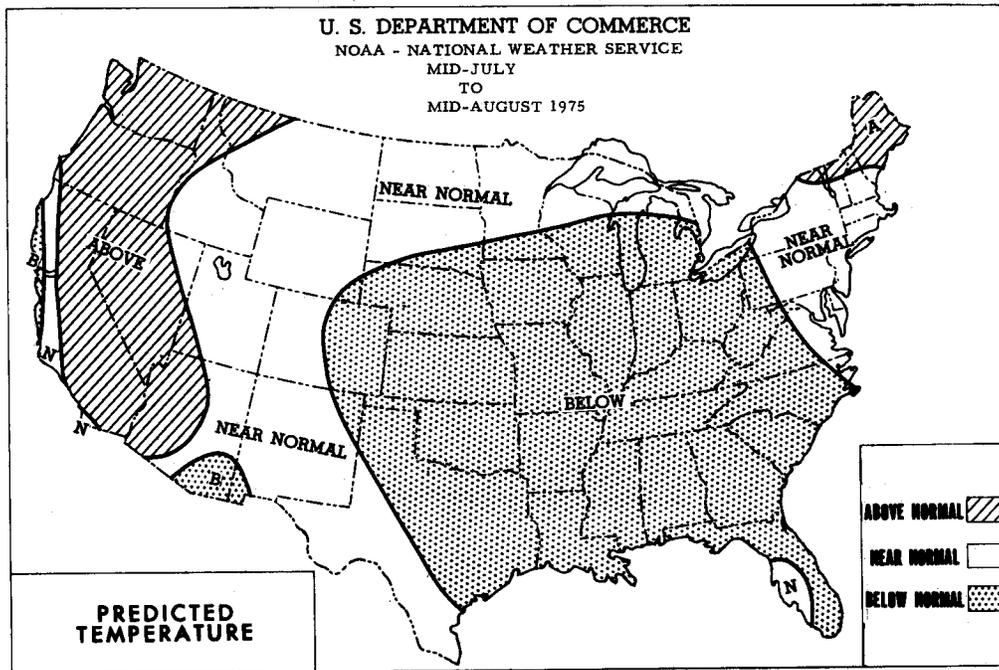
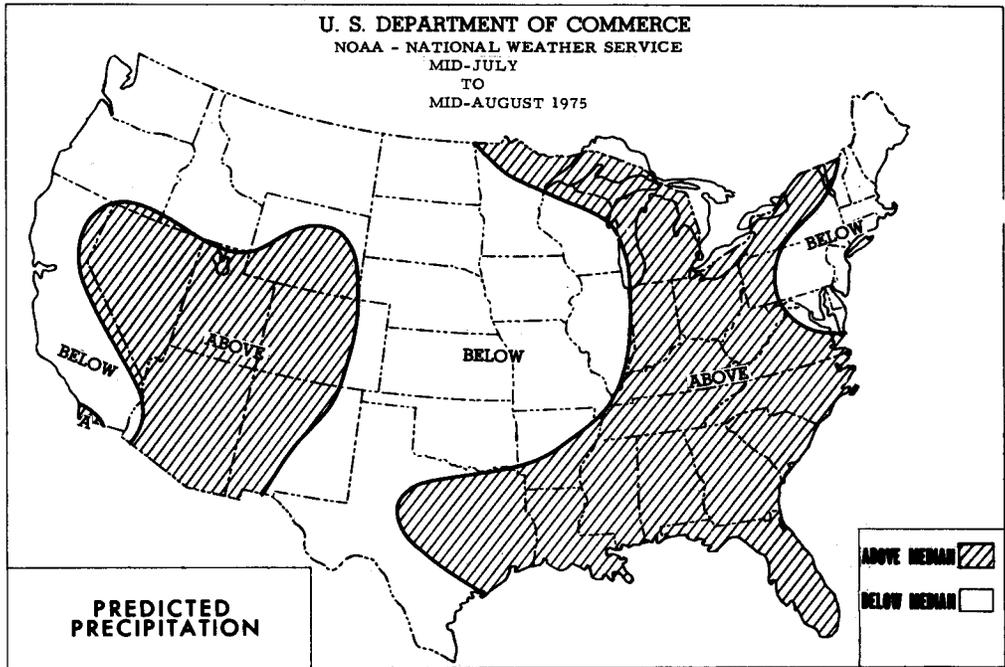
Crops develop rapidly. Topsoil moisture short to adequate. Winter wheat nearly 60% turning color, 25% mature. Crop headed: Spring wheat 60%, barley 65%, oats 50%. Hay harvested: Alfalfa 50%, other hay 15%. Pastures, ranges mostly good condition. Cattle, sheep move to summer range. Cultivating, irrigating, tilling summer fallow, haying principal activities.

1975 Harvesting Progress

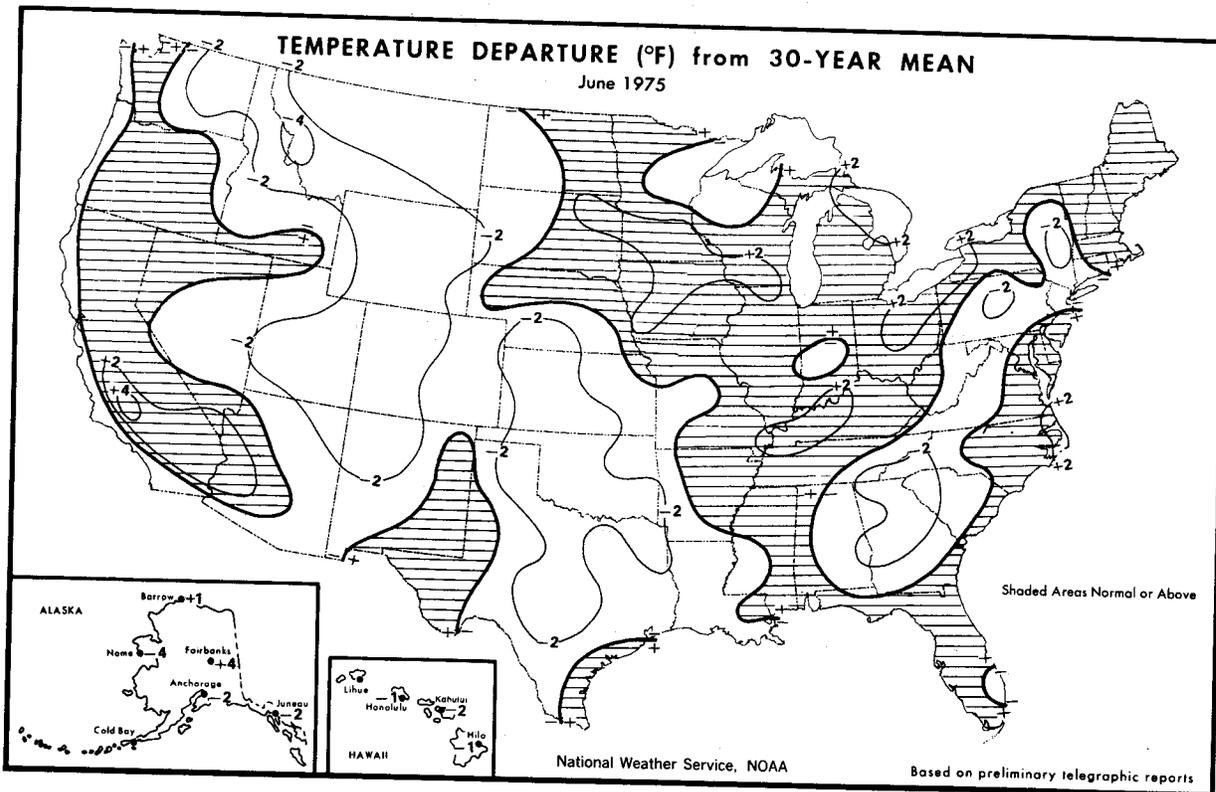
Percent of Acreage Harvested (as of July 13)

WINTER WHEAT			
	Average	1974	1975
Colo.	48	79	14
Ill.	95	97	93
Ind.	50	70	85
Kans.	90	100	90
Mo.	91	95	93
Neb.	45	90	33
Ohio	50	65	65
Okla.	100	100	98
Tex.	100	100	99
U. S.	66	74	65

AVERAGE MONTHLY WEATHER OUTLOOK



AGRICULTURAL IMPLICATIONS OF THE AVERAGE MONTHLY OUTLOOK: Below normal temperatures are expected for many of the important agricultural areas which would delay crop development. Crops in the Corn Belt are currently about normal. Below normal temperatures during silking and tasseling would be beneficial unless they continue as cool as the past week. Below normal temperatures would also reduce the impact of below normal precipitation which is forecast in the western Corn Belt. Below normal precipitation in the Great Plains would aid in the winter wheat harvest, which is lagging. The spring wheat areas generally have adequate to excessive moisture. The cool, wet weather forecast for the Deep South is not encouraging. Most crops there are already late and uneven.



JUNE WEATHER SUMMARY

HIGHLIGHTS: The heaviest precipitation amounts for the month were reported in southwest Mississippi and southeast Louisiana where 8.00 to 12.00 in. fell. New Orleans received 12.28 in., the wettest June on record. Unofficial reports of over 17.00 in. came from the Houston-Galveston area. Over 8.00 in. also fell in parts of Kansas, Missouri, Minnesota and Florida. No rainfall fell in most of New Mexico, Arizona, southern California and southern Nevada.

Amounts were generally above normal over the Great Plains and the Corn Belt. Exception included northern Missouri, eastern Iowa, southern Illinois and Indiana, and central Ohio. Parts of Kentucky, Tennessee, and the Carolinas were very dry.

Temperatures averaged within 2° of normal in most areas. The Rocky Mountain States, the southern Great Plains, and the Appalachians were cooler than usual. The western tier of States and most of the East were warmer than usual.

PRECIPITATION: The first half of June included considerable violent weather. Tornadoes, high wind and hail were reported from Montana to Texas and eastward to Florida and New England during the first week. At least one tornado, wind, hail and flash flooding occurred in Nebraska and Kansas on the 2d. Wind and hail was common in the Northern Plains and Montana on the 3d. On the 6th thunderstorms raged along the Atlantic Coast. North Central Mississippi reported over 4.00 in. in just one hour. Heavy thunderstorms continued through the week in the Plains.

The violent weather continued as 17.00 in. of rain fell at Sourdake, Texas in a matter of a few hours on the 9th. Tornadoes were reported in central Texas and the Houston area. In contrast snow fell in the Colorado Mountains. The all-day snow-

fall at Colorado Springs set a record for so late in the season. Friday the 13th brought tornadoes to Minnesota, Wisconsin, Iowa, Illinois, Indiana and Oklahoma, with heavy damage at Stillwater.

Typical of late spring, thunderstorms with associated severe weather were rampant from the Plains to the East Coast during the third week of June. Tornadoes and hail were reported in eight States on the 17th. Serious agricultural flooding occurred in east central Kansas. By the 18th flooding had occurred from the foothills of the Rockies to the Missouri Valley, and south to Kansas.

Precipitation was high variable during the closing week of the month as scattered thunderstorms dropped locally heavy amounts. Eastern North Dakota and adjacent areas reported severe weather on the 28th with tornadoes, high winds and hail. The severe weather continued over the weekend with serious flooding occurring, with heavy crop damage.

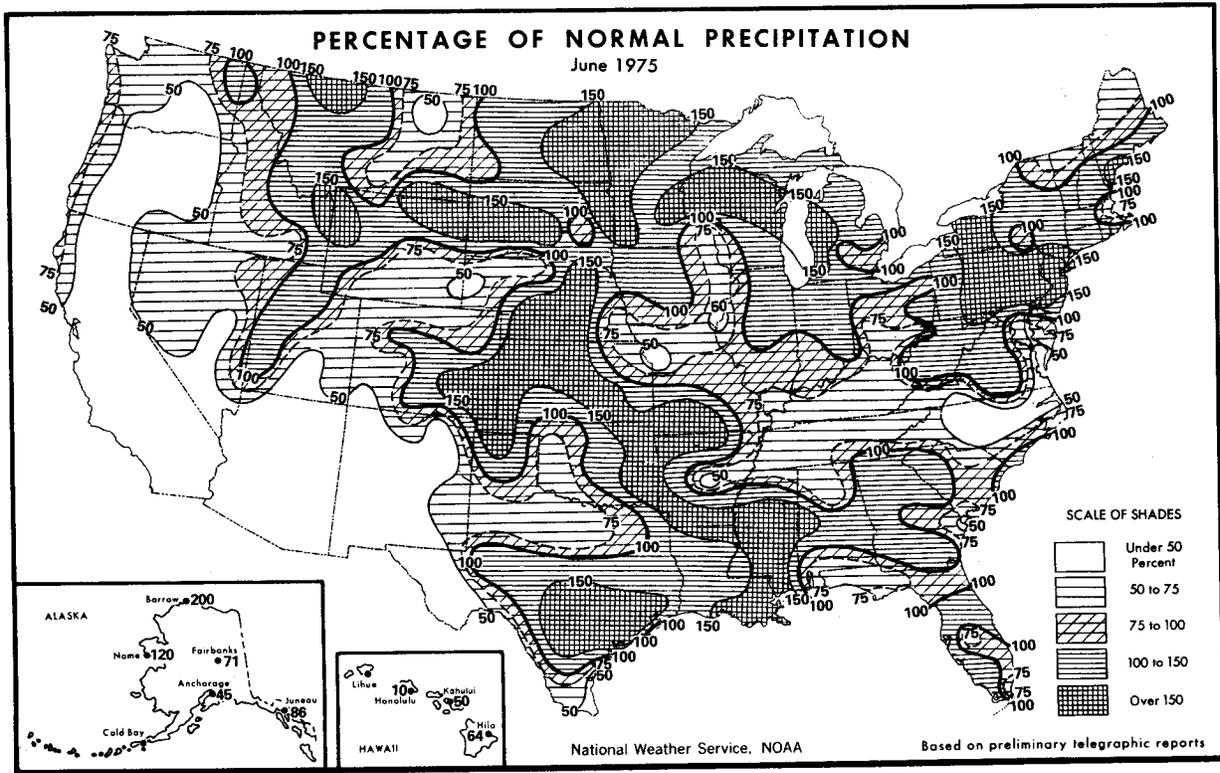
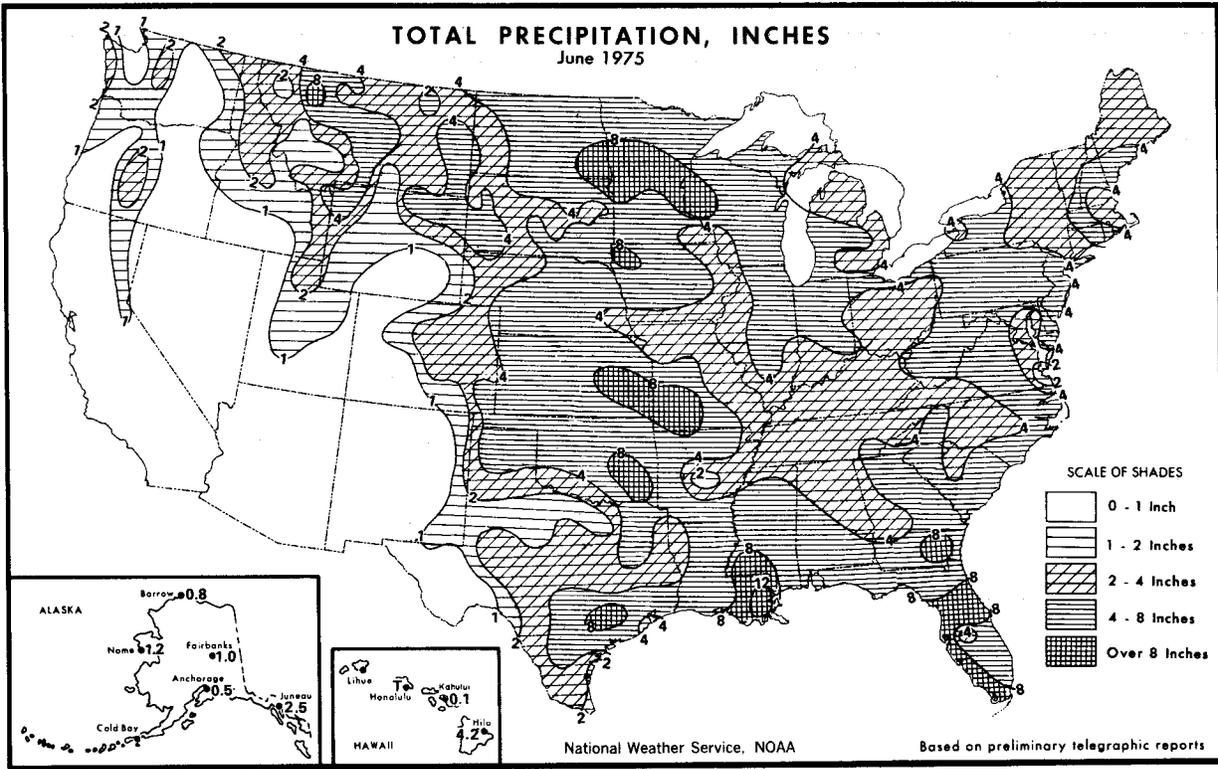
The first tropical storm of the season, "Amy" developed off the North Carolina coast on the 29th.

TEMPERATURE: The first week of June temperature trends were towards warming in the West and cooling in the East. The South was near normal all week.

The second week was much cooler than normal except for the Far West. A number of record low temperatures were measured throughout the week. The East was unusually warm as readings climbed well into the 90's.

The last week of Spring, cool air hovered over the Rocky Mountains and pushed into the High Plains. However, temperatures averaged well above normal in the eastern half of the Nation with the North Central States 4 to 9° above normal.

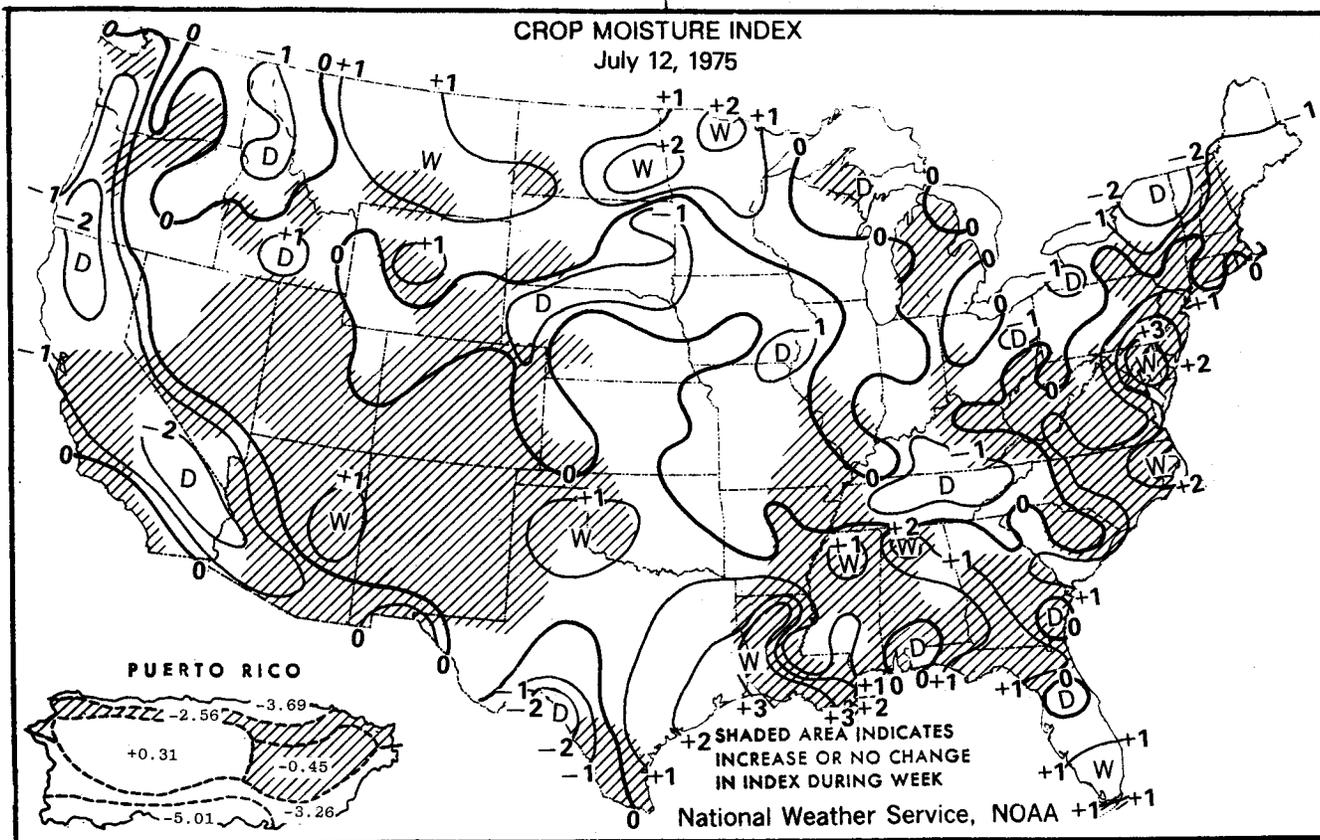
Temperatures continued above normal in the Corn Belt and Northeast, but was cooler than normal over the remainder of the Country.



Temperature and Precipitation Data for June 1975

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	76	-1	2.4	-1.6	La. Baton Rouge . . .	80	0	5.1	+1.3	Youngstown . . .	69	+2	2.8	-.8
Mobile . . .	81	+1	3.8	-2.3	Lake Charles . . .	80	-1	5.4	+.4	OKLA. Okla. City . . .	75	-2	4.8	+.6
Montgomery . . .	77	-2	4.8	+.8	New Orleans . . .	79	-1	12.3	+7.6	Tulsa . . .	76	-1	6.8	+2.1
ALASKA Anchorage . . .	53	-2	.5	-.6	Shreveport . . .	78	-2	3.5	+.2	OREG. Astoria . . .	56	-1	2.0	-.5
Barrow . . .	34	+1	.8	+.4	MAINE. Caribou . . .	61	+1	2.4	-1.0	Burns . . .	59	0	.4	-.6
Fairbanks . . .	63	+4	1.0	-.4	Portland . . .	62	0	4.9	+1.8	Medford . . .	64	0	.4	-.5
Juneau . . .	51	-2	2.5	-.4	MD. Baltimore . . .	69	+1	3.8	0	Pendleton . . .	66	0	.3	-.7
Kodiak . . .	51	-2	2.5	-.4	MASS. Boston . . .	63	0	2.1	-1.1	Portland . . .	62	0	1.1	-.5
Nome . . .	42	-4	1.2	+.2	Chatham . . .	61	-1	3.2	-.3	Salem . . .	60	-1	.8	-.6
ARIZ. Flagstaff . . .	57	-1	.1	-.5	MICH. Alpena . . .	64	+3	2.4	+.3	PA. Allentown . . .	69	-1	5.1	+1.6
Phoenix . . .	87	+2	T	-.1	Detroit . . .	69	+1	2.4	-1.0	Erie . . .	67	+2	4.4	+.9
Tucson . . .	81	-2	0	-.2	Flint . . .	67	+1	4.7	+1.3	Harrisburg . . .	71	-1	6.5	+3.4
Winslow . . .	71	-1	T	-.3	Grand Rapids . . .	68	+1	6.0	+2.6	Philadelphia . . .	72	0	7.6	+3.9
Yuma . . .	85	-1	0	0	Houghton Lake . . .	64	+1	3.8	+.5	Pittsburgh . . .	68	-1	4.6	+1.1
ARK. Fort Smith . . .	76	-2	5.9	+2.0	Lansing . . .	68	+1	2.9	-.6	Scranton . . .	69	+1	5.6	+2.2
Little Rock . . .	79	+1	1.6	-1.9	Marquette . . .	61	+1	4.6	+1.2	R.I. Providence . . .	66	0	4.7	+2.0
CALIF. Bakersfield . . .	81	+4	0	-.1	Muskegon . . .	67	+1	5.0	+2.4	S.C. Charleston . . .	79	+1	6.0	-.3
Eureka . . .	53	-2	.6	-.1	S. Ste. Marie . . .	61	+2	3.7	+.4	Columbia . . .	78	-1	2.9	-.9
Fresno . . .	75	+1	0	-.1	MINN. Duluth . . .	58	-1	5.6	+1.2	Greenville . . .	74	-2	5.4	+1.3
Los Angeles . . .	66	-2	0	0	Internat'l Falls . . .	61	+1	6.2	+2.3	S.D. Aberdeen . . .	68	+3	5.3	+1.7
Red Bluff . . .	76	0	.2	-.3	Minneapolis . . .	69	+2	8.0	+4.1	Huron . . .	67	0	3.4	-.4
San Diego . . .	65	-1	T	-.1	Rochester . . .	68	+2	3.9	-.7	Rapid City . . .	62	-2	5.6	+1.9
San Francisco . . .	60	-2	T	-.1	St. Cloud . . .	65	0	5.8	+1.2	Sioux Falls . . .	68	0	4.5	+.2
Stockton . . .	72	0	T	-.1	MISS. Jackson . . .	78	-1	7.4	+4.0	TENN. Chattanooga . . .	73	-3	3.9	+.2
COLO. Denver . . .	64	-2	2.1	+.2	Meridian . . .	79	0	5.5	+1.8	Knoxville . . .	75	-1	2.4	-1.2
Grand Junction . . .	68	-3	.4	-.2	MO. Columbia . . .	72	-1	3.8	-.8	Memphis . . .	79	0	2.4	-1.1
Pueblo . . .	70	-1	2.1	+.7	Kansas City . . .	74	0	2.5	-3.1	Nashville . . .	78	+1	2.2	-1.2
CONN. Bridgeport . . .	67	-1	3.4	+.8	St. Louis . . .	75	0	3.8	-.6	TEX. Abilene . . .	79	-1	1.7	-1.1
Hartford . . .	68	0	3.8	+.3	Springfield . . .	75	+1	11.3	+6.6	Amarillo . . .	73	-2	4.2	+.7
D.C. Washington . . .	76	+1	2.2	-1.3	MONT. Billings . . .	60	-3	1.6	-1.0	Austin . . .	80	-2	7.1	+4.0
FLA. Apalachicola . . .	80	0	4.5	-.8	Glasgow . . .	62	0	1.2	-1.5	Beaumont . . .	80	-1	5.0	+.2
Daytona Beach . . .	80	+1	9.0	+2.4	Great Falls . . .	60	-1	4.5	+1.4	Brownsville . . .	83	0	1.3	-1.5
Ft. Myers . . .	82	+1	10.6	+1.7	Havre . . .	60	-2	3.2	+.6	Corpus Christi . . .	83	+1	1.3	-1.4
Jacksonville . . .	81	+2	5.2	-1.1	Helena . . .	57	-2	2.8	+.4	Del Rio . . .	83	-1	1.1	-.9
Key West . . .	84	0	5.2	+.6	Kalispell . . .	56	-1	2.0	-.6	El Paso . . .	81	+1	T	-.6
Lakeland . . .	81	0	3.7	-3.0	Miles City . . .	64	-1	3.7	+.4	Fort Worth . . .	81	0	2.0	-1.1
Miami . . .	82	+1	6.4	-2.6	Missoula . . .	55	-4	2.0	-.1	Galveston . . .	81	0	3.6	-.5
Orlando . . .	81	+1	9.7	+2.6	NEBR. Grand Island . . .	69	-2	6.9	+1.5	Houston . . .	80	-1	7.5	+3.0
Tallahassee . . .	80	0	4.8	-1.8	Lincoln . . .	70	0	7.6	+2.7	Lubbock . . .	77	0	1.8	-1.0
Tampa . . .	83	+2	8.7	+2.2	Norfolk . . .	70	0	3.1	-1.9	Midland . . .	80	0	2.1	+.6
W. Palm Beach . . .	80	-1	7.2	-.9	N. Platte . . .	73	+3	4.3	-.6	San Angelo . . .	80	-2	2.3	+.4
GA. Atlanta . . .	75	-1	5.5	+1.8	Omaha . . .	73	+3	2.4	-1.2	San Antonio . . .	80	-2	4.6	+1.8
Augusta . . .	76	-2	5.1	+1.4	Valentine . . .	73	0	.3	-.6	Victoria . . .	83	+1	7.7	+4.4
Macon . . .	77	-3	3.8	-.1	NEV. Ely . . .	57	-1	T	-.1	Waco . . .	80	-2	2.8	+.1
Savannah . . .	80	+1	2.1	-3.8	Las Vegas . . .	84	+2	.2	-.2	Wichita Falls . . .	79	-2	1.7	-1.7
HAWAII. Hilo . . .	74	-1	4.2	-2.4	Reno . . .	62	0	.7	-.3	UTAH. Blanding . . .	63	-3	.3	-.2
Honolulu . . .	78	-1	T	-.3	Winnemucca . . .	62	0	4.0	+.6	Salt Lake City . . .	65	-1	1.8	+.5
Kahului . . .	75	-2	.1	-.1	N.H. Concord . . .	65	0	3.9	+.5	VT. Burlington . . .	66	+1	2.5	-1.0
Lihue . . .	---	---	---	---	N.J. Atlantic City . . .	70	0	5.6	+2.4	VA. Lynchburg . . .	71	-2	4.8	+1.4
IDAHO. Boise . . .	64	-1	.8	-.3	Trenton . . .	71	0	T	-.5	Norfolk . . .	77	+2	1.2	-2.4
Lewiston . . .	64	-1	1.3	-.5	N.MEX. Albuquerque . . .	73	2	.6	-.6	Richmond . . .	74	0	4.0	+.5
Pocatello . . .	62	0	.7	-.6	Roswell . . .	77	0	3.8	+.8	Roanoke . . .	72	0	1.5	-2.0
ILL. Cairo . . .	80	+2	3.0	-1.4	N.Y. Albany . . .	65	-3	2.9	-.7	WASH. Colville . . .	59	-2	1.5	-.2
Chicago . . .	72	+1	4.6	+.6	Binghamton . . .	67	+2	3.7	+1.5	Omak . . .	61	-3	.8	-.4
Moline . . .	72	+1	3.5	-.9	Buffalo . . .	68	+2	7.2	+4.3	Quillayute . . .	54	-1	3.0	-.5
Peoria . . .	72	+1	3.9	0	New York . . .	70	+2	4.1	+1.6	Seattle-Tacoma . . .	61	+1	.8	-.7
Rockford . . .	71	+2	4.7	+.3	Rochester . . .	67	0	4.1	+1.1	Spokane . . .	59	-3	1.5	+.1
Springfield . . .	74	+1	4.4	+.2	Syracuse . . .	67	0	2.1	-1.9	Walla Walla . . .	65	-2	.5	-.7
IND. Evansville . . .	76	+1	3.1	-.5	N.C. Asheville . . .	69	+2	1.9	-1.8	Yakima . . .	64	-1	.2	-.5
Ft. Wayne . . .	70	0	4.4	+.5	Charlotte . . .	75	+1	1.7	-2.2	W. Va. Beckley . . .	67	0	4.6	+.4
Indianapolis . . .	71	-1	5.7	+1.5	Greensboro . . .	75	+1	4.4	-.4	Charleston . . .	72	0	4.3	+1.0
South Bend . . .	70	+1	5.5	+1.8	Hatteras . . .	76	+2	4.4	-.4	Huntington . . .	73	+1	4.1	+.7
IOWA. Burlington . . .	72	+1	2.3	-2.4	Raleigh . . .	77	+1	1.7	-2.0	Parkersburg . . .	72	0	2.3	-1.7
Des Moines . . .	72	+1	6.0	+1.1	Wilmington . . .	74	0	4.6	+1.0	WIS. Green Bay . . .	65	0	5.3	+1.9
Dubuque . . .	69	+1	3.8	-1.5	N. DAK. Bismarck . . .	79	+1	9.4	+6.2	La Crosse . . .	69	0	2.9	-1.5
Sioux City . . .	70	0	5.3	+.7	Fargo . . .	63	1	3.4	+.1	Madison . . .	69	+3	4.3	0
KANS. Concordia . . .	72	-1	7.0	+2.0	Williston . . .	65	0	2.8	-.7	Milwaukee . . .	65	0	4.0	+.4
Dodge City . . .	72	-2	4.5	+1.2	OHIO. Akron-Canton . . .	70	+2	2.8	-.7	WYO. Casper . . .	59	-3	.9	-.5
Goodland . . .	67	-2	5.3	+2.4	Cincinnati . . .	72	0	5.1	+1.3	Cheyenne . . .	58	-3	1.5	-.9
Topeka . . .	74	0	4.9	-.9	Cleveland . . .	70	+2	4.1	+.8	Lander . . .	58	-3	1.9	0
Wichita . . .	74	-2	6.9	+2.4	Columbus . . .	72	+1	2.2	-1.7	Sheridan . . .	59	-2	4.6	+1.6
KY. Lexington . . .	74	+1	2.2	-2.1	Dayton . . .	72	+1	2.2	-.7	P.R. San Juan . . .	83	+2	2.6	-3.0
Louisville . . .	75	+2	3.2	-.9	Toledo . . .	69	0	4.2	+.8					

Based on 1941-70 Normals



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

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

ABOVE	3.0	SOME DRYING BUT STILL EXCESSIVELY WET
2.0 to	3.0	MORE DRY WEATHER NEEDED, WORK DELAYED
1.0 to	2.0	FAVORABLE, EXCEPT STILL TOO WET IN SPOTS
0 to	1.0	FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 to	-1.0	TOPSOIL MOISTURE SHORT, GERMINATION SLOW
-1.0 to	-2.0	ABNORMALLY DRY, PROSPECTS DETERIORATING
-2.0 to	-3.0	TOO DRY, YIELD PROSPECTS REDUCED
-3.0 to	-4.0	POTENTIAL YIELDS SEVERELY CUT BY DROUGHT
BELOW	-4.0	EXTREMELY DRY, MOST CROPS RUINED

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

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

SHADED AREA: INDEX INCREASED OR DID NOT CHANGE

ABOVE	3.0	EXCESSIVELY WET SOME FIELDS FLOODED
2.0 to	3.0	TOO WET, SOME STANDING WATER
1.0 to	2.0	PROSPECTS ABOVE NORMAL, SOME FIELDS TOO WET
0 to	1.0	MOISTURE ADEQUATE FOR PRESENT NEEDS
0 to	-1.0	PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1.0 to	-2.0	SOME IMPROVEMENT BUT STILL TOO DRY
-2.0 to	-3.0	DROUGHT EASED BUT STILL SERIOUS
-3.0 to	-4.0	DROUGHT CONTINUES RAIN URGENTLY NEEDED
BELOW	-4.0	NOT ENOUGH RAIN STILL EXTREMELY DRY

WORLD WEATHER AND CROP UPDATE

A wet June plus heavy rains the first week of July led to extensive flooding in Eastern Europe. Romania has been particularly hard hit. Austria, Hungary, Czechoslovakia, and southwestern portions of European USSR have also been affected. The floods inundated crops and disrupted harvest of small grains. The weather dashed hopes for good production anticipated earlier in Romania.

Rains in early July relieved dry conditions and improved crop prospects west of the Volga in the USSR. The Volga Upland, Oka-Don Plains, and Central Chernozem regions benefitted in particular. The rains were sufficient, in many cases 1.00 to 2.00 in., to arrest deterioration of sugarbeets, potatoes, sunflowers and other crops. East of the

Volga through the Southern Urals and much of Kazakhstan, drought lingers and crops suffering.

Early July also brought good rains to North and Northeast China and additional rain to the wheat areas of Australia. In India the summer monsoon has been performing well with only a few areas remaining drier than usual.

On the other hand, a prolonged dry spell with plentiful sunshine has been a blessing to vacationers but a nuisance to farmers in Ireland, the United Kingdom, and important parts of Scandinavia. Crops and pastures are suffering from moisture shortage and lower milk yields are reported. Precipitation during the second week of July may help.



FIRST CLASS MAIL

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