

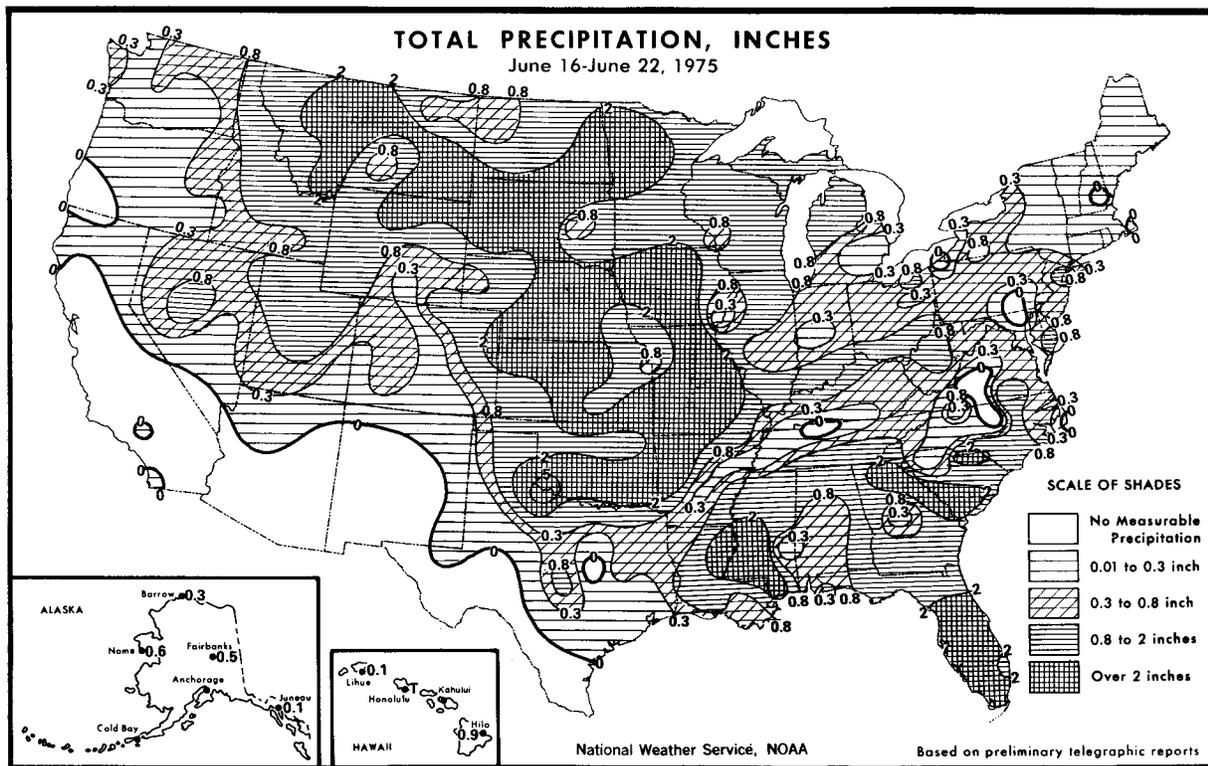
Weekly Weather & Crop Bulletin

U. S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration

U. S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service

Volume 62, No. 25

June 24, 1975 Washington, D. C.



NATIONAL WEATHER SUMMARY

For the Week of June 16-22

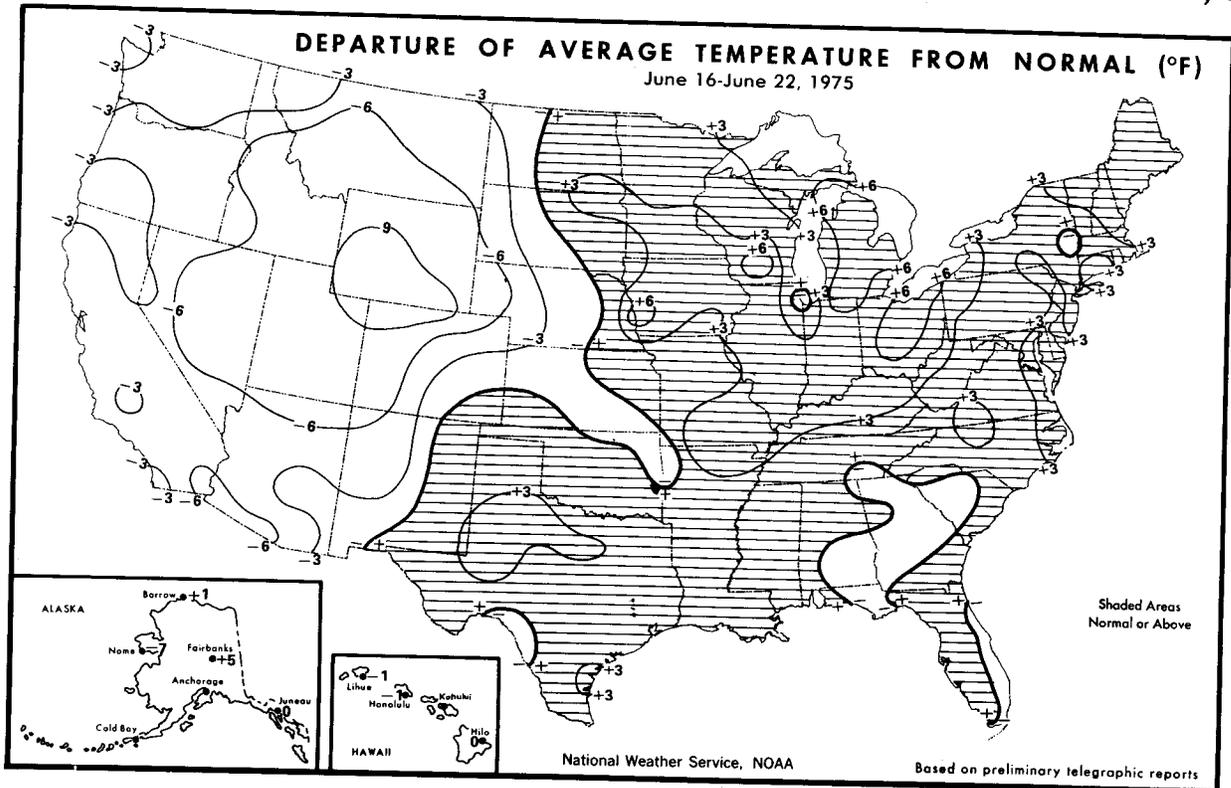
HIGHLIGHTS: For the last week of Spring, cool air hovered over the Rocky Mountains and pushed into the High Plains while temperatures averaged above normal in the eastern half of the Nation. In the Central States, average temperatures were 4 to 9° above normal. Typical of late Spring, thunderstorms with associated severe weather were rampant from Montana to Colorado and from the Plains to the East Coast. Flooding of small streams posed serious problems in many States. In the Southwest, hot, dry wind kicked up dust storms and increased fire hazards.

PRECIPITATION: Severe thunderstorm activity raged in the Central Plains on Monday. Thunderstorms began developing during the early afternoon from east Kansas into Missouri and spread rapidly to Oklahoma and Arkansas. Scattered activity developed in Illinois and Minnesota. By days end,

violent thunderstorms with heavy rain occurred in northwest Kansas. Severe flooding resulted from the storms in Kansas and Missouri. Thunderstorms were scattered along the East Coast and in the northern and central Rockies. The Gulf States enjoyed a welcome respite from heavy rain.

The thunderstorms with heavy rain in northwest Kansas continued into Tuesday and spread into central and eastern Nebraska. Scattered thunderstorms developed northeast of this area through the Great Lakes and from Arkansas to Ohio. Tornadoes and hail were reported across eight States. An unusually deep storm for this time of year brought strong wind to northern Arizona and showers to the northwestern quarter of the Nation. Thunderstorms continued along the East Coast.

Serious agricultural flooding from previous rain continued on Wednesday in east central Kansas and was threatened in northeast Kansas and eastern



Nebraska as renewed thunderstorm activity began. The storms were vigorous in Iowa and northeast through the Lakes area. Thunderstorms increased in the Southeastern States and developed again in southern Louisiana and in Mississippi. Showers were scattered throughout the Rockies with most of the activity in Montana and spreading into the Dakotas. Gusty wind and blowing dust continued in the Southwest.

By Thursday accumulated rainfall had caused flooding from the foothills of the Rockies to the Missouri Valley and south to Kansas and Missouri. Most of the severe weather struck in the Central and Northern Plains. Fourteen tornadoes were reported from Nebraska through the Dakotas. Other showers and thunderstorms dampened the northern half of the inter-mountain region in the Pacific Northwest and the Gulf Coast through the Appalachians into New York.

Continuing thunderstorms and heavy rain had increased the area of flooding by Friday and many rivers in the Plains and the Mississippi and Missouri Valley States were out of their banks. The most thunderstorm activity was from northwest Texas to South Dakota and into the western Lakes area. Other storms dotted the northern Rockies, the Ohio Valley, the Gulf Coast and the Southeast. High wind and hot, dry weather increased the fire danger in the Southwest.

Early Saturday saw heavy rain falling in Utah and Wyoming with showers throughout the central and northern Rockies including the already soggy Montana. The most severe activity was a little east of yesterday's line, from central Texas to Wisconsin. The entire Southeast was dotted with showers and thunderstorms.

Thunderstorms continued all night and into Sunday from northern Texas to the lower Missouri Val-

ley and in the Southeast from the Mississippi Delta to the South Atlantic. Later the severe weather spread eastward to Illinois and Indiana and the western Lake States and to southwest Texas.

TEMPERATURE: The week began with sharply contrasting temperatures. On Monday a record high was reported at Midland, Tex. and many stations in the Southwest topped the 100° mark. Early Tuesday, at 2 AM, the temperature was still a hot, dry 93° at Needles, Calif. Further north, record low temperatures for the date were being set. Cheyenne, Wyo. had a low of 35° and North Platte, Neb. dropped to 43°.

On Thursday a record low temperature was set at Flagstaff, Ariz. with a freezing 29°. Later in the day the thermometer rose to the 90's as far north as southern New England and southern Minnesota. A record high was set at Baltimore when they reached 95°. Except for northern New England most of the Nation east of the Rockies were warm on Friday. The highest reading was 103° at Carlsbad, N.M.

The first day of Summer, Saturday, saw hot, muggy weather moving north into the Ohio Valley and the Great Lakes area. Readings in the 90's were common and Lafayette, Ind. shared the Nation's high reading with Needles, Calif. reporting 98°. Alpena, Mich. had a record high of 85° breaking the old record of 79°.

On Sunday cooler weather had come to the East and remained in the West but hot muggy weather continued to surge northward into the Central States. Alpena, Mich. set another record with a reading of 93°.

NATIONAL AGRICULTURAL SUMMARY

For the Week of June 16-22.

HIGHLIGHTS: Heavy rain over much of the Nation's midsection and Southern States sharply curtailed small grain harvest and soybean planting in those areas. By June 22d, the soybean crop was 90% planted, much ahead of the 78% in 1974 and normal 88%. Corn continues to make good growth in major producing areas, but excessive soil moisture is causing drown-out and yellowing in low spots. Winter wheat harvest is moving steadily northward, but at a much slower pace than in 1974 and normal.

SMALL GRAINS: Harvest of small grains was frequently interrupted by rain in the Southern States, while above normal temperatures aided growth and development from the North Central States eastward.

Winter wheat harvest made generally good progress in the Texas Low Plains and was moving at a rapid pace in the High Plains. Statewide harvest was 54% complete, versus 86% in 1974 and 66% normal. Oklahoma wheat harvest was active as weather permitted. Combining reached the halfway mark compared with 93% in 1974 and average 71%. In Kansas, harvest was underway in southern areas, but progress was limited by heavy rain. Less than 5% was harvested, against 35% in 1974 and the usual pace of 15%. Lodging and hail damage is greater than normal.

Hot weather pushed small grain development in Ohio with 70% of the wheat turned; in Indiana 20% was ripe; and in Illinois 50% was ripe with harvest starting in southern areas.

Spring planted small grains in Minnesota and North Dakota were in good condition from recent timely rains and earlier fields were reaching the boot stage. Spring wheat in South Dakota was only 16% headed, normally 40% has headed.

CORN: Rain and above normal temperatures over most of the Corn Belt favored corn growth. However, locally heavy rains caused flooding, drown-out, yellowing in low spots and limited weed control. Topsoil moisture is rated mostly adequate to surplus in the main corn growing area.

Hot weather stimulated corn growth and development continues ahead of last year and normal in most North Central States. Average height of corn varied from 11 in. in both Minnesota and South Dakota to 25 in. in Illinois. Most advanced fields in Illinois were 40 in. versus 24 in. last year and normal 29 in. The condition of corn was mostly good in Iowa and good to excellent in Illinois.

Corn in the Eastern and Southern States was in fair to good condition.

COTTON: Cotton was in mostly good condition but, over-all development remains behind normal in many areas.

Planting in Texas was rapidly nearing completion at 99% compared with 94% in 1974 and usual 97%. Replanting previously hailed and flooded fields was active. In Oklahoma, 88% was planted and 66% had emerged. Cotton in Mississippi was 15% squaring, much behind 39% a year ago and usual 38%. In Tennessee 18%, ahead of 1974; and Alabama was slightly behind 1974 at 26%. Earlier fields in Alabama were starting to set bolls.

Cotton was in fair condition in New Mexico and 95% had emerged. In Arizona, cotton squaring and flowering was increasing. California cotton continued to make good growth.

SOYBEANS: Soybean planting was hampered by both wet weather and slow progress in small grain combining where soybeans will be planted as a second crop. By June 22d, planting had advanced to 90% complete, much ahead of 1974's 78%, but only slightly ahead of normal.

Planting in the North Central States edged ahead to 97% finished, still well ahead of last year's 78% and average 92%. All States in this Region were virtually complete except Kansas, Michigan, Missouri and other areas where soybeans will be planted after winter wheat is harvested. Illinois soybeans were in good to excellent condition. Average height in Ohio was 9 in., 3 in. higher than normal.

Planting was 86% complete in the South Atlantic States and 77% finished in the South Central Region.

OTHER CROPS: Sorghum planting in the 7 major producing States was 90% finished, equal to 1974's progress and slightly ahead of normal. Planting in Texas was 97% done, ahead of both 1974 and average. Kansas sorghum was 70% planted, trailing last year and normal.

Tobacco setting in Kentucky was practically complete; resetting continues in Virginia; and transplanting was 85% done in Maryland. Tobacco in South Carolina was 6% harvested and 9% in Georgia. Haying was active in all areas but wet weather continued to plague harvest and quality in many areas declined.

FRUITS AND NUTS: Peach harvest advanced to 44% complete in Georgia; 22% in North Carolina; and 20% in South Carolina. Harvest was also active in Texas and California. Harvest of grapes, plums, nectarines, apricots, Valencia oranges, and grapefruit were increasing in California, while cherry and lemon picking were seasonal. Citrus groves were in excellent condition in Florida as frequent showers were providing good surface moisture.

VEGETABLES: Strawberry picking was active in California, Oregon, Washington, New York, New Jersey, Pennsylvania, and Wisconsin. Iceberg lettuce harvest began in New York, but rain delayed plantings of cabbage, snap beans and sweet corn. Harvests of cantaloupe, watermelon, honeydew, Bell peppers, cucumbers, onions, cabbage and tomatoes were in high gear in several areas of Texas. The California vegetable harvest was also strong on many vegetables, while in Florida the seasonal decline continued.

PASTURES AND LIVESTOCK: Pasture and livestock maintain improved condition in most areas of the Nation except the Southwest and far West where dry weather has hampered new growth. Excellent moisture continues to keep pastures in good to excellent condition in Texas and livestock are going into the summer with the best flesh of many years. Stock water supplies remain good to excellent in most Western States.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., June 22, 1975

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	79	+ 1	.4	-.6	La. Baton Rouge . . .	81	0	.5	-.4	Youngstown . . .	73	+ 5	.3	-.5
Mobile . . .	82	+ 1	.5	-1.0	Lake Charles . . .	82	+ 1	.7	-.5	OKLA. Okla. City . . .	78	0	2.9	+1.9
Montgomery . . .	78	- 2	.5	-.5	New Orleans . . .	81	0	.8	-.3	Tulsa . . .	79	+ 1	1.0	-.1
ALASKA. Anchorage . . .					Shreveport . . .	81	0	.4	-.3	OREG. Astoria . . .	55	- 2	.2	-.4
Barrow . . .	35	+ 1	.3	+ .2	MAINE. Caribou . . .	65	+ 4	.1	.7	Burns . . .	56	- 4	.3	+ .1
Fairbanks . . .	65	+ 5	.5	+ .1	Portland . . .	66	+ 3	T	.7	Medford . . .	63	- 2	T	-.2
Juneau . . .	54	0	.1	-.6	MD. Baltimore . . .	77	+ 4	T	-.9	Pendleton . . .	62	- 4	.1	-.1
Kodiak . . .					MASS. Boston . . .	73	+ 4	.1	-.7	Portland . . .	58	- 5	.1	-.3
Nome . . .	40	- 7	.6	+ .4	Chatham . . .	64	- 0	0	-.1	Salem . . .	58	- 4	.1	-.2
ARIZ. Flagstaff . . .	54	- 5	.1	0	MICH. Alpena . . .	68	+ 6	1.4	+ .7	PA. Allentown . . .	73	+ 2	.3	-.5
Phoenix . . .	81	+ 2	.1	0	Detroit . . .	75	+ 5	.1	.7	Erie . . .	71	+ 5	0	-.8
Tucson . . .	78	- 5	0	0	Flint . . .	74	+ 7	.2	.6	Harrisburg . . .	75	+ 2	T	-.7
Winslow . . .	70	- 3	0	0	Grand Rapids . . .	74	+ 5	.6	.2	Philadelphia . . .	76	+ 3	.7	-.2
Yuma . . .	81	- 6	0	0	Houghton Lake . . .	70	+ 6	1.4	+ .6	Pittsburgh . . .	72	+ 2	.7	-.1
ARK. Fort Smith . . .	78	- 1	2.3	+1.4	Lansing . . .	76	+ 8	1.4	+ .2	Scranton . . .	73	+ 4	.5	-.3
Little Rock . . .	81	+ 2	.1	-.7	Marquette . . .	66	+ 5	1.3	+ .5	R.I. Providence . . .	70	+ 2	T	-.6
CALIF. Bakersfield . . .	76	- 2	0	-.1	Muskegon . . .	72	+ 5	1.6	+1.0	S.C. Charleston . . .	80	+ 1	1.8	+ .2
Eureka . . .	52	- 3	T	-.1	S. Ste. Marie . . .	65	+ 5	1.7	+ .9	Columbia . . .	79	- 1	1.2	+ .3
Fresno . . .	70	- 5	0	0	MINN. Duluth . . .	60	0	1.0	-.1	Greenville . . .	77	0	1.2	-.8
Los Angeles . . .	64	- 4	0	0	Internal Falls . . .	64	+ 2	.9	0	S.D. Aberdeen . . .	70	+ 4	3.8	+2.9
Red Bluff . . .	72	- 4	T	-.1	Minneapolis . . .	73	+ 5	1.5	+ .5	Huron . . .	70	+ 2	.7	-.2
San Diego . . .	64	- 2	T	0	Rochester . . .	71	+ 4	1.9	+ .8	Rapid City . . .	60	- 5	2.4	+1.5
San Francisco . . .	57	- 5	T	0	St. Cloud . . .	68	+ 2	1.5	+ .4	Sioux Falls . . .	70	+ 1	1.8	+ .8
Stockton . . .	68	- 5	0	0	MISS. Jackson . . .	80	0	3.6	+2.8	TENN. Chattanooga . . .	75	- 2	1.4	+ .5
COLO. Denver . . .	63	- 4	.1	-.3	Meridian . . .	81	+ 1	T	-.9	Knoxville . . .	76	- 0	.8	-.1
Grand Junction . . .	64	- 8	.2	+ .1	MO. Columbia . . .	75	+ 1	3.0	+1.9	Memphis . . .	81	+ 2	.1	-.7
Pueblo . . .	71	- 1	.1	-.2	Kansas City . . .	76	+ 1	.4	-.9	Nashville . . .	79	+ 2	T	-.8
CONN. Bridgeport . . .	73	+ 4	.1	-.5	St. Louis . . .	79	+ 3	2.0	+ .9	TEX. Abilene . . .	83	+ 2	.1	-.5
Hartford . . .	72	+ 3	T	-.8	Springfield . . .	78	+ 3	3.3	+2.2	Amarillo . . .	78	+ 2	.8	0
D.C. Washington . . .	80	+ 4	.4	-.4	MONT. Billings . . .	57	- 6	.6	0	Austin . . .	83	+ 1	.3	-.4
FLA. Apalachicola . . .	79	- 1	.9	-.4	Glasgow . . .	60	- 3	.4	-.3	Beaumont . . .	83	+ 1	.1	-1.0
Daytona Beach . . .	80	- 1	2.6	+ .9	Great Falls . . .	56	- 6	2.1	+1.3	Brownsville . . .	84	+ 1	0	-.7
Ft. Myers . . .	82	+ 1	2.1	-.1	Havre . . .	58	- 5	2.1	+1.5	Corpus Christi . . .	86	+ 3	0	-.6
Jacksonville . . .	80	0	1.4	-.2	Helena . . .	54	- 6	2.0	+1.4	Del Rio . . .	84	- 1	T	-.5
Key West . . .	83	- 1	4.2	+3.1	Kalispell . . .	56	- 2	.9	+ .3	El Paso . . .	82	+ 1	0	-.2
Lakeland . . .	81	0	2.4	+ .7	Miles City . . .	61	- 5	2.2	+1.4	Fort Worth . . .	85	+ 3	.2	-.5
Miami . . .	81	0	3.2	+1.0	Missoula . . .	54	- 6	1.5	+1.0	Galveston . . .	84	+ 2	T	-1.0
Orlando . . .	81	0	3.7	+1.9	NEBR. Grand Island . . .	71	- 1	3.6	+2.5	Houston . . .	82	0	T	-1.1
Tallahassee . . .	81	0	1.0	-.6	Lincoln . . .	75	+ 2	1.5	+ .3	Lubbock . . .	81	+ 3	.1	-.5
Tampa . . .	83	+ 2	3.4	+1.7	Norfolk . . .	71	0	4.2	+3.0	Midland . . .	84	+ 3	T	-.3
W. Palm Beach . . .	79	- 2	.9	-1.1	N. Platte . . .	66	- 3	3.5	+2.6	San Angelo . . .	84	+ 2	0	-.4
GA. Atlanta . . .	77	+ 1	1.3	+ .4	Omaha . . .	77	+ 6	1.8	+ .6	San Antonio . . .	84	+ 1	T	-.6
Augusta . . .	77	- 2	2.3	+1.4	Valentine . . .	67	- 1	1.1	+ .2	Victoria . . .	85	+ 2	.1	-.7
Macon . . .	79	- 1	2.2	.7	NEV. Ely . . .	52	- 7	.3	+ .1	Waco . . .	84	+ 1	T	-.6
Savannah . . .	80	0	1.2	-.2	Las Vegas . . .	80	- 3	T	0	Wichita Falls . . .	83	+ 1	1.1	+ .3
HAWAII. Hilo . . .	75	0	.9	.6	Reno . . .	61	- 1	.2	+ .1	UTAH. Blanding . . .	60	- 7	.3	+ .2
Honolulu . . .	78	- 1	T	.1	Winnemucca . . .	57	- 6	.5	+ .3	Salt Lake City . . .	59	- 8	1.4	+1.1
Kahului . . .	74	- 3	T	0	N.H. Concord . . .	70	+ 4	T	-.8	VT. Burlington . . .	70	+ 4	.1	-.7
Lihue . . .	77	- 1	.1	.3	N.J. Atlantic City . . .	73	+ 2	.4	-.4	VA. Lynchburg . . .	75	+ 2	T	-.8
IDAHO. Boise . . .	61	- 5	.3	0	Trenton . . .	76	+ 4	.4	-.4	Norfolk . . .	79	+ 4	.7	-.2
Lewiston . . .	61	- 5	.6	+ .2	N.MEX. Albuquerque . . .	72	- 4	T	-.1	Richmond . . .	76	+ 1	.7	-.1
Pocatello . . .	57	- 6	.6	+ .3	Roswell . . .	80	+ 2	0	-.3	Roanoke . . .	75	+ 3	T	-.8
ILL. Cairo . . .	83	+ 4	.3	.7	N.Y. Albany . . .	68	- 1	.1	.6	WASH. COLVILLE . . .	62	0	.5	+ .1
Chicago . . .	71	- 1	.9	.1	Binghamton . . .	70	+ 4	.2	.6	Omak . . .	64	1	.8	+ .5
Moline . . .	75	+ 3	.3	.8	Buffalo . . .	71	+ 4	.3	.2	Quillayute . . .	52	4	.5	.3
Peoria . . .	77	+ 5	1.0	+ .1	New York . . .	73	0	.8	.1	Seattle-Tacoma . . .	58	2	.2	.2
Rockford . . .	74	+ 4	1.6	+ .5	Rochester . . .	70	+ 2	.6	0	Spokane . . .	60	2	.5	+ .2
Springfield . . .	78	+ 4	.5	-.5	Syracuse . . .	70	+ 2	.4	-.3	Walla Walla . . .	62	6	.1	-.2
IND. Evansville . . .	81	+ 5	1.1	+ .3	N.C. Asheville . . .	72	+ 1	.7	-.3	Yakima . . .	65	0	.2	0
Ft. Wayne . . .	76	+ 5	.4	-.5	Charlotte . . .	77	0	.2	.7	W. Va. Beckley . . .	70	+ 2	.8	-.2
Indianapolis . . .	76	+ 3	.3	-.7	Hatteras . . .	78	+ 3	T	-1.0	Charleston . . .	75	+ 2	.4	-.4
South Bend . . .	77	+ 7	.5	-.4	Raleigh . . .	79	+ 4	0	-1.2	Huntington . . .	77	+ 4	.7	-.1
IOWA. Burlington . . .	77	+ 4	.2	.9	Wilmington . . .	76	+ 1	0	.9	Parkersburg . . .	76	+ 3	.9	-.1
Des Moines . . .	76	+ 4	2.5	+1.3	N. DAK. Bismarck . . .	80	+ 2	1.7	+ .3	WIS. Green Bay . . .	68	+ 2	1.4	+ .6
Dubuque . . .	72	+ 3	1.1	-.2	Fargo . . .	65	0	1.0	+ .1	La Crosse . . .	73	+ 3	.8	-.3
Sioux City . . .	72	+ 1	3.7	+2.6	Williston . . .	68	+ 2	3.4	+2.6	Madison . . .	74	+ 7	1.5	+ .4
KANS. Concordia . . .	75	+ 1	4.4	+3.2	OHIO. Akron-Canton . . .	77	+ 5	.2	-.6	Milwaukee . . .	68	+ 2	1.0	+ .1
Dodge City . . .	77	+ 2	1.7	+ .9	Cincinnati . . .	74	+ 4	1.2	+ .3	WYO. Casper . . .	55	- 8	.6	+ .3
Goodland . . .	68	- 2	4.5	+3.8	Cleveland . . .	75	+ 6	1.3	-.5	Cheyenne . . .	53	- 9	1.2	+ .6
Topeka . . .	76	+ 1	1.3	-.1	Columbus . . .	78	+ 7	.5	-.5	Lander . . .	53	- 9	1.4	+1.0
Wichita . . .	76	- 1	1.4	+ .3	Dayton . . .	77	+ 5	.5	-.4	Sheridan . . .	55	- 7	3.6	+2.9
KY. Lexington . . .	79	- 1	.7	-.3	Toledo . . .	75	+ 5	.4	-.4	P.R. San Juan . . .	82	+ 1	1.0	-.3
Louisville . . .	79	- 1	1.0	+ .1										

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; DeLon 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: Dry early thundershowers midweek. Temperatures near normal.

Fieldwork: 4 days suitable. Corn 22% tasseled, 30% 1974. Soybeans 91% planted, 1974 same, average 86%. Cotton 26% squaring, 28% 1974, starting to set bolls. Peanuts pegging 22%. All row crops good condition. Soil moisture adequate. Wheat 81% harvested, 77% 1974. First cutting hay 75% harvested.

ALASKA: Tanana Valley: Local heavy rains on 19th and 20th near Big Delta. Temperatures near normal. Matanuska Valley: Precipitation continued above normal. Cool weather continued. Kenai Peninsula: Precipitation above normal at both Kenai and Homer. Temperatures slightly below. Kodiak: Rain fell nearly every day, but was 0.23 in. below normal for week. Seasonal totals still average 6.63 in. above normal. Daily maximum temperatures 3° below normal. Minimum were 7° below normal.

Hay harvest expected to begin in Matanuska Valley by June 30th. Crops are in generally good condition with slow growth due to generally cool temperatures. Ground moisture supply adequate in most areas of Railbelt.

ARIZONA: Light showers higher elevations north, east, elsewhere dry. Temperatures 2 to 6° below normal.

Cotton squaring, flowering increasing southwest. Good growth central, east. Harvest small grains west, Salt River Valley. Safflower good progress. Planting sorghum grain nearing completion. Sugarbeet harvest active Salt River Valley and Pinal County. Alfalfa hay cutting full swing. Lettuce nearly complete, Cochise County. Cantaloup, watermelon full swing southwest. Mixed vegetable seasonal progress. Mixed fruit harvest active, mostly plums. Valencia orange, grapefruit continued Salt River Valley, Yuma County. New crop fruit sizing well. Ranges very dry deserts, fair in mountains. Stock water adequate most forest lands. Cattle, calves good shape.

ARKANSAS: Temperatures 2° below normal to 3° above. Extremes: 95 and 52°. Precipitation scattered. Greatest amount 2.30 in.

Fieldwork: 3.6 days. Soil moisture surplus to adequate. Cotton crop making good progress, weeds under control. Insect activity increasing. Some seedling disease evident. Crop needs warm sunny days. Rice crop growing very well, few fields yellowing. Joint movement beginning. Soybean planting 81% complete, 57% 1974, average 73%. Beans making good growth, need cultivation. Herbicide applications limited by weather. Wheat harvest 75% complete. Hay harvest continues, quality reduced. Pastures provided adequate forage. Few early apples and peaches harvested. Cucumbers, peppers, and tomato harvest continued.

CALIFORNIA: Scattered showers or thundershowers north, mainly over mountains, and along south coast. Cooling trend midweek inland and warming end of week. Highs Central Valley lowered from near 100° beginning to 80's end of week.

Small grain harvest full swing. Rice growth good. Over-wintered beet harvest finished.

Cotton growing well. Safflower blooming. Alfalfa cutting, baling, cubing. Corn, milo cultivated. Harvest of grapes, plums, peaches, nectarines, apricots, Valencia oranges, grapefruit increasing; cherry, lemon picking seasonal. Almond, walnut condition good. Apple thinning near completion; fig pollination underway. Some date trees damaged by high winds in desert. Broccoli heavy Salinas, Santa Maria; cauliflower lighter Salinas. Cantaloup at peak Palo Verde Valley. Carrot digging moderate Salinas; celery tapering off Oxnard, Salinas, Santa Maria increasing. Sweet corn at peak Coachella. Dry onion at peak Stockton. Potato digging past peak Kern. Strawberry harvest active, heavy diversion to processing. Market tomato continues Imperial; picking continues San Diego, beginning San Joaquin. Watermelon light Imperial, beginning Palo Verde. Sheep Central Valley onto grain stubble. Cattle moved summer grazing areas. Livestock good condition.

COLORADO: Early week cold front north and east brought rain. Southwest remained dry. Cold front midweek. Temperatures 3 to 5° below normal mountains and northwest, above normal southeast.

Winter wheat 19% turning color, good condition except southeast poor. Winter barley good condition, southeast fair condition, 17% turning color. Small grains and row crops good condition, 73% thinned. Dry beans 82% seeded, average 91%, 1974 96%, 44% emerged. Sorghum fair condition, 71% planted, 1974 and average 88%. Alfalfa first cut 41% complete. Some weevil damage. Livestock, ranges and pastures good condition. Southwest ranges slowed by wind, cold temperatures.

FLORIDA: Temperatures normal to slightly above. Rainfall generally moderate to locally heavy. Few totals less than 0.50 in.

Soil moisture generally adequate. Corn, peanuts good condition. Soybean planting continues. Tobacco harvest active. Peach harvest complete. Sugarcane good growth. Pastures showing substantial improvement, good to excellent condition. Cattle, calves fair to good condition, picking up weight as pastures improve. Citrus groves in excellent condition. The flush of late bloom has peaked. Frequent thundershowers providing good surface moisture, lakes still low. Vegetable supplies in seasonal decline. Volume leaders were watermelons, increasing; sweet corn and peppers declining. Eggplant declined. All other vegetables in light volume.

GEORGIA: Temperatures averaged 3 to 5° below normal north and central and 1 to 2° below west and south. Average ranged near 70° mountains to mid and upper 70's in agricultural belt to 80° along coast. Rainfall highly variable. Most areas received 0.50 to 1.00 in. Scattered thundershowers early in weekend. Generally fair on 22d.

Soil moisture adequate most areas, surplus few southwest counties, short few southeast counties. Fieldwork active, 5 days suitable. Corn good. Peanuts good, 67% blooming, 32% pegging, landplaster application active. Tobacco good but declining, some hail damage, 9% harvested. Soybeans good, 89% planted, cultivation active. Cotton good, improved, 52% squaring, 11%

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setting bolls. Hay crops good, showers slowed harvest. Peaches fair to good, 44% harvested. Watermelons fair to mostly good, 1% harvested. Wheat and oats 87% harvested, slightly below 1974, same as average. Pastures, cattle and hogs good.

HAWAII: Weather continued favorable to crop progress. Most sections warm and dry.

Heavy irrigation and frequent spraying necessary. Vegetable and melon supplies adequate. Banana supplies light. Papaya supplies on upswing. Rains beneficial in Puna orchards of Hawaii. Pastures in some areas need more moisture. Pineapple harvesting active. Sugar harvesting steady.

IDAHO: Temperatures 1 to 7° below normal. Maxima mid-70's to mid-80's, minima mid-30's to mid-40's. Precipitation averaged little below normal to 1.41 in. above normal Grangeville where rainfall amount 2.10 in.

Rain, cool weather slowed crop growth. Precipitation provided needed moisture for ranges. Cool weather excellent environment forage growth. Dry beans 80% emerged, 95% 1974. Sugarbeets 60% blocked and thinned, 90% 1974. Corn 90% emerged, 95% year earlier. Spring wheat and spring barley both 5% headed, 20% and 40%, respectively, 1974. Potato crop 65% emerged, 85% 1974. Winter wheat development sharply behind 1974, 15% headed, 75% 1974. Oats 15% boot stage and later, 75% year earlier. First cutting alfalfa 20% complete. Pasture condition behind normal but rapidly improving. Cattle excellent condition.

ILLINOIS: Temperatures averaged 3 to 5° above normal. Precipitation 0.25 to 2.00 in.

Fieldwork: 4 days suitable. Corn good to excellent. Average height: All fields 25 in., 12 in. 1974, average 17 in.; most advanced 40 in., 24 in. 1974, average 29 in. Soybeans good to excellent. Winter wheat good to excellent; 93% turning yellow, 100% 1974, average 97%; 50% ripe, 78% 1974, 62% average; harvest underway south. Oats good to excellent; 90% heading, 79% 1974, average 80%; 50% filling, 63% 1974, average 54%. Hay crops good to excellent; first crop alfalfa hay 87% cut, 58% 1974, average 70%; red clover 85% cut, 53% 1974, average 60%. Pastures good to excellent. Soil moisture 9% short, 71% adequate, 20% surplus.

INDIANA: Warm to hot week. Temperatures above 90° on 4 days. Rainfall of 0.50 to 1.00 in. from scattered thundershowers which caused some local damage from hail and wind. Temperatures, humidity and evaporation all above normal.

Fieldwork averaged 3 days. Topsoil and subsoil moisture mostly adequate to surplus. Soybeans: Average height 7 in., 3 in. 1974 and 5 in. average. Corn: Average height 20 in., 11 in. 1974, 14 in. average. Winter wheat 20% ripe. Oats 80% headed. Barley 40% combined. Alfalfa hay 80% cut first time, 60% in 1974. Clover hay 55% cut, 35% in 1974. Tobacco plants 95% set. Tomatoes 35% in bloom. Pastures mostly good.

IOWA: Warm humid week, numerous showers and thunderstorms. Temperatures 2 to 6° above normal. Precipitation well above normal except southeast.

Continuous rains allowed only 2 days suitable for fieldwork. Most fields too wet to work with standing water yellowing some crops. Hail north central, central and southeast. Need sunnier, drier days. Oats 55% headed, 70% 1974, 75%

average. First cutting alfalfa 64% harvested, 69% 1974, 76% average. Red clover hay 29% harvested, 39% 1974, 44% average. Weed control on corn and soybeans fair to good. Growing condition of crops: Corn mostly good; soybeans fair to good; oats mostly good; alfalfa hay good to excellent. Topsoil moisture 43% adequate, 57% surplus.

KANSAS: Heavy precipitation most areas; temperatures averaged 1 to 3° above normal. Some counties northwest received 6.00 in. rain, and Marion County in central had an extreme amount of 10.63 in.

Wheat harvest underway southern areas. Progress quite limited by heavy rains. Wheat less than 5% cut, 35% 1974, 15% average; 30% ripe, 65% 1974, 40% average. Lodging and hail damage greater than normal. Corn planting nearly complete. Sorghums 70% planted, 85% 1974, 80% average. Soybeans 65% planted, 75% 1974, 80% average. Second cutting alfalfa 10% complete, 20% 1974, 15% average. Cattle good to excellent.

KENTUCKY: Warm and humid. Average temperatures 5° above normal. Thundershowers statewide on 17th, isolated showers every day through weekend. Rainfall varied, less than 0.25 in. west and south central, to over 1.00 in. parts north and east.

Fieldwork favorable 4 to 5 days. Soil moisture 75% adequate, 12% short, 13% surplus. Activities consisted of planting soybeans, setting and re-setting tobacco, cultivating corn, soybeans, and tobacco, diseases and insect control, baling hay. Soybean planting 78% complete, 70% 1974, 71% average; remainder to be double cropped. Wheat harvest 27% complete, 38% 1974, 14% average. Tobacco setting practically completed. Condition most crops good.

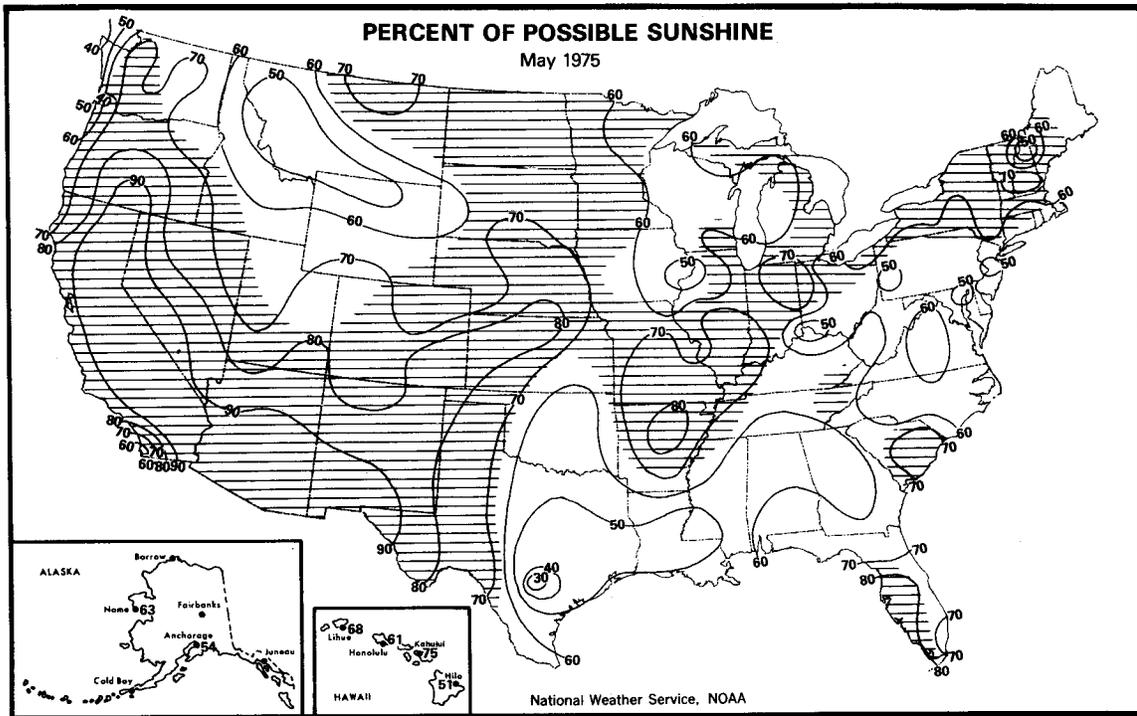
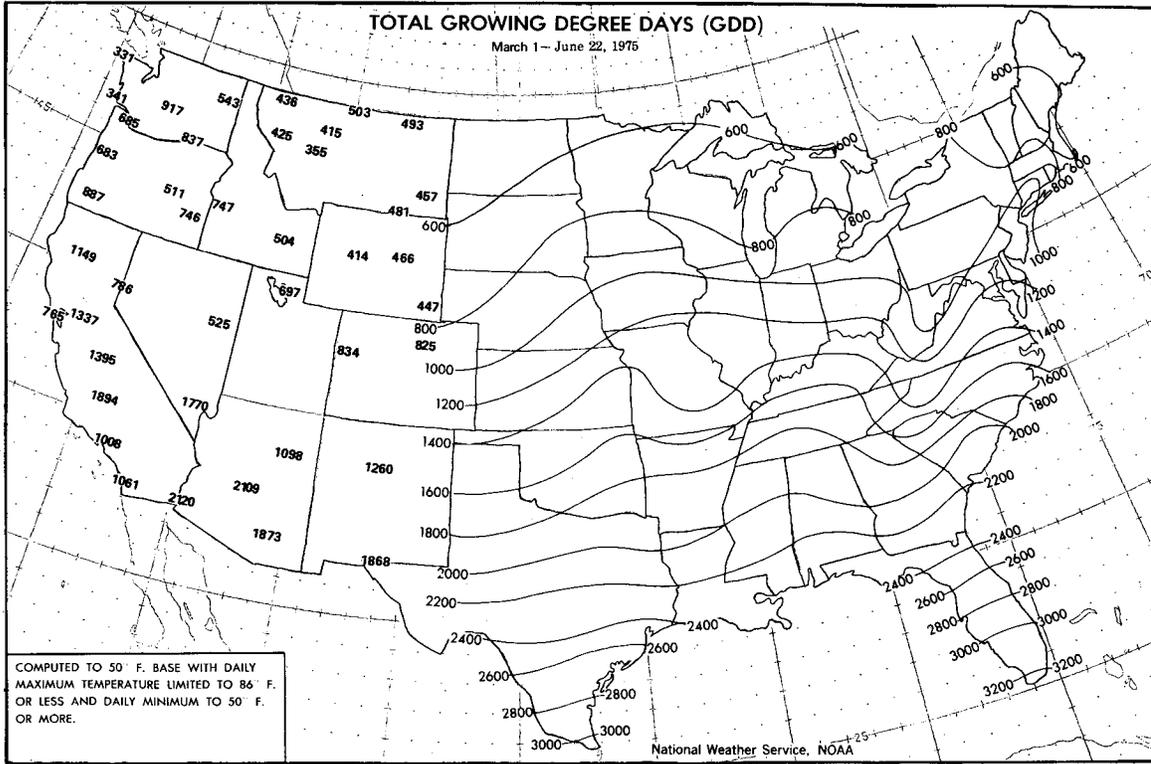
LOUISIANA: Temperatures near normal. Extremes: 96° Alexandria on 17th and 18th, 63° Ashland on 16th. Scattered thundershowers most areas. Greatest 1-day total, 2.07 in. Reserve 10th.

Soil moisture adequate to surplus. Fieldwork possible 3.2 days. Harvest small grains, planting, haying, fertilization, and cultivation main farm activities. Cotton 100% planted, same in 1974, and average. Condition fair to good; grassy. Soybeans 66% planted, 99% 1974, and 92% average. Stands fair to good, cultivation needed. Sorghum 55% planted, growth good, stands grassy. Corn growth fair to good. Rice condition good, early fields southwest heading. Pesticide application continues. Sugarcane growth good. Transplanting sweetpotatoes 80% complete, stands good, vining well. Haying active. Pastures average. Cattle generally good.

MARYLAND AND DELAWARE: Temperatures 2 to 6° above normal. Extremes: Mid-90's to mid 40's. Precipitation both States 0.02 to 2.82 in. High winds and damaging hail some areas.

Fieldwork: 6 days suitable. Corn growth good. Soybeans 85% planted, 87% 1974 and 80% average. Barley harvest 50%, 60% 1974 and 43% average. Wheat harvest underway. Tobacco transplanting 85%, 92% 1974 and 88% average. First cutting alfalfa completed, second cutting starting, quality good. Mixed hays first cutting 50%. Green peas, strawberries and asparagus harvest complete. Spraying apples and peaches.

MICHIGAN: Temperatures averaged 5° above normal. Maximum lower 90's at weekend. Precipitation varied greatly, ranging from 0.10 in. extreme



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southeast to near 3.00 in. central western lower. Local thunderstorms caused large variance in precipitation.

Frequent rains and wet soils slowed fieldwork progress. Soil moisture mostly surplus. Fieldwork: 2.6 days suitable. Some intended corn and soybean acreage could not be planted. Corn 97% planted, same as 1974, 98% average. Hot weather stimulated corn growth; average height 12 in., 7 in. 1974. Soybeans 90% planted, 91% 1974, 92% average. Dry beans only 60% planted, 57% 1974, 75% average. Early planted beans emerged poorly. Potatoes 95% planted, 96% average. Wheat 95% headed or more advanced, 10% turning yellow. Nearly 15% oats headed. Fruit developing well. Frequent rains delayed hay making and hurt quality. About 30% first cutting made, average 33%. Pasture feed above average.

MINNESOTA: A warm wet and stormy week. Temperatures 2 to 4° above normal. Precipitation excessive with 2.00 to 3.00 in. falls common and totals 1.00 to 2.00 in. above normal. Extremes: Bemidji 4.19 in., Mabasha 4.01 in.

Small grains good condition with recent rains especially helpful to somewhat dry western areas. Continued wet conditions spoiled much alfalfa hay while curing. First cutting hay 42% complete, 1974 58%, average 64%. Weed control of corn, soybeans difficult and excessive moisture causing some yellowing, poor growth in southern areas. Corn height 11 in., 1974 9 in., average 14 in. Soybean height 5 in., 1974 5 in., average 6 in. Winter wheat 59% heading, 1974 55%, average 76%. Oats 45% jointing, spring wheat 38%, barley 33%. Pastures affording much feed for grazing livestock. Topsoil moisture adequate to surplus, subsoil adequate except surplus south central and southeast.

MISSISSIPPI: Rainfall averaged less than 1.00 in. Temperatures near normal. Extremes: 95 and 54°. Greatest 24-hour rainfall was 2.38 in. at D'lo on 20th.

Soil moisture adequate to surplus. Fieldwork: 4.0 days suitable. Cotton 15% squaring, 39% 1974, 38% average. Soybeans 69% planted, 49% 1974, 83% average; 54% up to stand, 48% 1974. Sorghum 72% planted, 68% 1974, 82% average. Sweetpotatoes 84% and peanuts 97% planted. Wheat 74%, oats 71%, Irish potatoes 56%, peaches 19%, hay 25%, and cucumbers 32% harvested. Peaches in fair condition. Cotton, soybeans, corn, and rice in fair to good condition. Pastures in good condition.

MISSOURI: Temperatures averaged near normal few degrees above normal in Bootheel. Precipitation general with isolated heavy amounts central plains and west Ozark areas.

Fieldwork: 4 days suitable. Soybeans 87% planted, 65% 1974 and average. Grain sorghum 90% planted, 74% 1974, 68% average. Wheat 55% ripe; 23% harvested, 14% 1974, 20% average. Corn condition mostly good. First cutting alfalfa 90% complete, 87% 1974. Second cutting 8% complete, 10% 1974, 11% average. Soil moisture 7% short, 81% adequate, 12% surplus.

MONTANA: Cool and wet. Precipitation above normal. Moderate to heavy precipitation. Temperatures averaged 4° below to 10° below normal. Some warming over weekend. Major flooding occurred north central, central, southwest and west on the 20th and 21st.

General rains caused serious localized flooding but replenished soil moisture. Crops and ranges growing slow due cool weather. Condition all crops good. Winter wheat 65% in boot and 5%

headed, normally 40% in boot and 51% headed. About 30% sugarbeets thinned, normal 70%. Hay harvest barley started, normal 20%.

NEBRASKA: Temperatures above normal 18th and 19th, below remainder. Rainfall above average, greatest amounts central and northeast.

Fieldwork: 4.0 days suitable. Winter wheat good condition, 35% has turned, normal 60%, year ago 85%. Corn and sorghum good condition. Soybeans good condition, 95% emerged. Alfalfa good condition, 85% first cutting harvested. Wild hay fair to good condition. Dry bean planting virtually complete. Topsoil moisture supplies 67% adequate, 25% surplus and 8% short. Subsoil moisture supplies 63% adequate, 2% surplus, 35% short. Pasture and range feed supplies 73% adequate, 1% surplus, 26% short.

NEVADA: Gusty winds with cooler temperatures brought averages 6° below normal. Extremes: 107° Las Vegas and Logandale, 26° Ely. Showers widespread. Light snow higher northern mountains. Alfalfa harvest gaining momentum. Small grain harvest nearing completion southern valleys. Ranges improved by widespread showers.

NEW ENGLAND: Southwest flow moist air gave normal to above temperatures until 12th all but coast. Cooler thereafter. Scattered precipitation produced no significant rainfall.

Cool, cloudy weather predominated New England until midweek when farmers welcomed warmer temperatures and sunshine. Maine potato planting nearly complete. Southern New England potatoes blooming. Corn growing well. Cranberries in bloom. Strawberry harvest peaking southern areas, yields high. Vegetable harvest active. Haying full swing, yields light, much hay damaged from rains.

NEW JERSEY: Temperatures averaged 2° above normal. Extremes: 47° at Newton on 18th and 94° at Hammonton and Bridgeton on 19th. Rainfall averaged 0.89 in. north, 1.13 in. central and 0.40 in. south. Thunderstorms with hail at New Brunswick on 19th.

Soil moisture supplies adequate to surplus all areas. Hay making delayed by rainfall. Barley combining active as weather permits. Rainfall causing some lodging of small grains. Corn planting virtually complete. Soybeans being planted following barley harvest. Strawberry harvest very active north, nearing completion central and south. Peach thinning active. Asparagus harvest nearing completion. Summer vegetable crops developing nicely.

NEW MEXICO: Hottest weather early in week cooling slightly last half. Temperatures averaged near normal Eastern Plains, cooler central and west. Near 0.50 in. rain Chama and Clayton, 0.19 in. Carlsbad.

Topsoil moisture short, subsoil short to adequate. Tornado-like winds, hail heavily damaged wheat, cotton in local areas east. Cotton fair, 95% emerged, hail damaged fields to be replanted. Alfalfa: 1st cut virtually complete, 2d 45% done south, north to start 2d in 2 to 3 weeks. Sorghum fair to good, 95% irrigated planted. Wheat 25% harvested. Barley 45% harvested, 1974 50 to 75% harvested. Very good small grain yields. Corn good. Lettuce 50% cut north. Onion pulling at peak Mesilla Valley, quality good. Peanuts emerged Clovis-Portales area. Ranges fair, moisture needed. Cattle, sheep fair to good.

NEW YORK: Temperatures averaged 3° above normal. Rain generally light, but locally heavy thunderstorms west and New York City. Cool 16th, 19th, and 20th, but warm midweek and weekend. Extremes: 91° Dansville, 41° Saranac Lake.

Excellent week for plant growth but poor hay drying. Moisture surplus most areas. Corn good but some yellowing and weed problems. Early oats and wheat heading. Pastures good, much of 1st cutting hay going into silage. Dry bean planting delayed again. Cabbage, snap bean, and sweet corn plantings delayed. Iceberg lettuce harvest begun in west. Some hail damage to much crops Orange County. Strawberry harvest continues with good quality and yield. Grapes finished blooming. Scattered hail damage west to tree fruits.

NORTH CAROLINA: Temperatures above normal, rainfall below normal.

Fieldwork: 4.2 days suitable. Soil moisture 18% very short, 31% short, 45% adequate, 6% surplus. Flue-cured tobacco crop fair to good condition. Burley tobacco 97% transplanted, 1974 98%. Soybeans 82% planted, 1974 82%. Sorghum 77% sown, 1974 73%. Sweet potatoes 82% transplanted, 1974 80%. Wheat 58% harvested, 1974 55%, average 30%. Oats 69% harvested, 1974 63%, average 47%. Barley 74% harvested, 1974 69%, average 57%. Rye 68% harvested, 1974 64%, average 55%. Peaches 22% harvested, 1974 22%, average 8%. Hays 52% combined, 1974 43%. Irish potatoes 19% dug, 1974 32%.

NORTH DAKOTA: Temperatures below normal except east central and southeast. East central normal, southeast 1° above. Extremes: 87° at Pembina to 40° Grand Forks. Precipitation varied with thundershower activity, heavy some areas. Greatest weekly precipitation Wahpeton with 4.23 in. Fargo had 2.51 in. on 20th for greatest 24-hour amount. Weekend held near average. Temperatures, scattered showers or thundershowers except northwest.

Crop seeding virtually completed. Early small grains reaching boot stage. Summer fallow and weed spraying work continuing. Scattered low areas may receive damage from excess moisture. Alfalfa cutting underway. Wild hay and pastures making good progress. Livestock excellent condition.

OHIO: Rainfall and thunderstorms somewhere every day except 16th and 21st. Precipitation range 0.24 to 1.61 in. Unseasonably warm with temperatures 90° or higher 18th to 22d. Extremes: 94° 20th, 55° 16th.

Small grain development rapid due to hot weather. Wheat 70% turned, 70% 1974 and 60% normal. Oats 90% headed, 70% 1974, and 65% normal. Barley harvest started. First crop hay cut: Alfalfa, 80%, 75% normal; clover-timothy 60%, 55% normal. Average height: Corn, 22 in., 15 in. 1974 and normal; soybeans, 9 in., 6 in. 1974 and normal. Crop conditions fair to good. Pasture condition good to excellent. Soil moisture 75% adequate, 25% surplus. Fieldwork: 4 days favorable.

OKLAHOMA: Temperatures near normal and ranged from 1° below normal to 2° above normal. Precipitation ranged from 0.20 in. Panhandle to 2.72 in. east and central. Weekend warm with rain most areas.

Wheat harvest active all areas as weather permits. Southwestern area near finish. Harvest half complete by 20th compared 93% year earlier,

71% average. Yields generally above expectations. Oat harvest 59% and barley harvest 69% complete, behind 1974 and average, yields mostly good. Row crops generally fair to good condition. Some eastern corn tasseling, one to two weeks later usual. Sorghums 70% up to stand. Cotton 66% up, 90% 1974, 88% planted. Peanut and soybean plantings over 80% complete. Second alfalfa cutting 25% done, yields good. High winds caused some damage to emerging crops. Ranges good.

OREGON: Temperatures slightly below normal. Maximums 80's, lower 90's; minimums 30's, low 50's. Precipitation along coast ranged 0.13 to 0.27 in., 0.09 in. or less interior valleys. Trace to 2.22 in., east.

Grain in west having problems with ryegrass, weeds, wildoats. Some grain fields being cut for hay. Grain in east suffering from drought stress. Spring grain seedings in fair to poor condition. Haying continuing. Barley turning color. Mint, sugarbeets, hops, look good. Strawberry harvest in full swing. Cherries changing color. Prunes, filberts, berries, look good. Thinning apples, pears, prunes. Green pea harvest underway. Asparagus harvest nearly complete. Most vegetables developing well. Late vegetables being seeded. Potatoes in good condition. Lower ranges poor to fair condition. Higher ranges fair to excellent condition.

PENNSYLVANIA: Seasonably mild and dry beginning, warm with increasing humidity through 19th, seasonably mild and dry remainder of period. Extremes: 92 and 41°. Averages near to 4° above normal. Rainfall primarily from midweek showers and thunderstorms totaled mostly under 0.25 in.

Soil moisture adequate. Major activities: Hay cutting, filling silos, spraying, cultivating, harvesting strawberries and sweet cherries, orchard work. Tobacco transplanting 68%, 1974 complete by this date. Soybean planting completed, 5 days ahead of 1974. Barley 51% turning, 7% ripe, small amount harvested, about same as 1974. Wheat 24% turning, 1974 34%, about 2 days late. Oats 35% headed, same as 1974. Corn height 12 in., 1974 9 in., 5 days ahead of 1974. First cutting alfalfa hay 57%, 1974 64%. Clo-tim first cut 39%. Hay quality fair, lower quality than past 3 years. Feed from pastures average.

PUERTO RICO: Island average rainfall 2.15 in. Highest weekly total 8.61 in. at Utuado. Highest 24-hour total 3.75 in. at Cerro Maravilla. Temperatures averaged 79° on coasts and 74° interior. Extremes: 95 and 54°.

SOUTH CAROLINA: Temperatures normal. Highest midweek, lower over weekend. Rainfall averaged near normal, but spotty. Most intensive thundershowers were on 18th, through 20th with locally damaging storms.

Cotton, corn, tobacco fair to good condition. Tobacco 6% harvested, 8% 1974. Soybeans good 88% planted, 88% 1974, 83% average. Wheat harvested 81%, 86% 1974, 68% average. Oats 85% harvested, 90% 1974, 76% average. Barley harvested 92% 1975. Sweetpotatoes 89% planted, 89% 1974, 87% average. Peaches 20% harvested, 22% 1974, 12% average. Pastures fair to good. Vegetables good. Watermelons fair to good. Grapes fair to good.

SOUTH DAKOTA: Temperatures averaged from 5° below normal west central to 6° above normal north central. Precipitation varied from 0.50 in. north-west to 4.35 in. central to 2.29 in. southeast.

Small grain development is well behind normal. Spring wheat, oats, and barley 60%, 75% and 67% respectively in or past boot stage, both 1974 and normal almost 100%. Spring wheat 16% headed, 1974 29%, normal 40%. Oats 41% headed, 1974 46% normal 55%. Barley 27% headed, 1974 42%, normal 53%. Rye and winter wheat 94% and 92% headed respectively, both 1974 and normal, 100%. Average height of corn 11 in., 1974 10 in. normal 12 in.

Fieldwork slowed by rain. First cutting of alfalfa 45% complete, 1974 71%, normal 68%. Rain prevented farmers from stacking or baling hay. Recent rains improved pastures.

TENNESSEE: Rainfall averaged around 0.50 to 1.00 in. with locally heavier amounts. Temperatures averaged from 1° above normal across east to 3° above normal west.

Cotton and soybeans in very good condition, corn in good condition. Soybeans 82% planted, 1974 46%, normal 82%. Cotton 18% squared, 1974 4%, normal 22%. Corn borers causing damage. Wheat 51% harvested, 1974 49%, normal 33%. Oats 50% harvested, 1974 52%, normal 26%. Tobacco transplanting completed. Some growers unable to find enough plants. Cattle suffering from face flies and pinkeye, worst in years.

TEXAS: Typical summertime weather prevailed: Thunderstorms evident every afternoon. Afternoons warm with 100° temperatures early in week west, southwest. Rainfall varied from locally heavy to near zero.

Wheat, oat harvest good progress, moving steadily northward. Most dry land stands ready for harvest but some irrigated stands running several weeks late. Planting cotton, sorghum, peanuts, soybeans continue make satisfactory progress, nearing completion. Extensive replanting cotton, sorghum underway on High, Low Plains following recent rain, hail damage. Wheat harvest generally good progress Low Plains moving rapid pace High Plains. Oat harvest rapidly nearing completion south but just getting underway High Plains. Cotton planting rapidly nearing completion High, Low Plains where most activity centers around replanting. Sorghum planting making good progress High, Low Plains where many farmers replanting stands. Harvest continues Lower Rio Grande Valley, expected move north coming weeks. Major crops percent planted: Cotton 99, 1974 94, average 97; sorghum 97, 1974 90, average 92; soybeans 86, 1974 85, average 81; peanuts 81, 1974 75, average 70. Major crops percent harvested: Wheat 54, 1974 86, average 66; oats 86, 1974 98, average 91; barley 66, 1974 98, average 88. Lower Rio Grande Valley: Cantaloup, watermelon, honeydew harvest final stages. Harvest bell peppers continues. Coastal Bend: Watermelon harvest continues. Some tomatoes, cucumbers still producing. Laredo: Watermelons making fair progress. San Antonio-Winter Garden: Onion harvest nearing completion. Watermelons, cantaloups, cabbage, cucumbers being harvested. Central: Tomato harvest active. East: Tomato harvest continue, watermelons making good progress. Knox-Haskell: Potato digging active. Trans-Pecos: Onion, cabbage harvest continues. Green peppers, cantaloups making good progress. High Plains: Potatoes making excellent growth. Onions, carrots making normal progress. Peach harvest active. Excellent moisture continues to maintain ranges, pastures in excellent condition. Livestock good gains response improved grazing going into summer better flesh than ranchers can remember. Hay baling moving ahead at vigorous pace some losses because wet weather. Early hay yields fair good

second, third cuttings in prospect. Screwworm cases continue show up; movement confirmed cases steadily north, eastward.

UTAH: Rain in valleys and snow above 7,000 feet northern mountains. Accumulated amounts of moisture locally very heavy north. Average temperatures continued below normal averaging 2 to 7° except near to a little above extreme southwest.

Considerable progress made inspite of recurring thunder showers. Sugarbeet thinning about 50% completed. Winter wheat 37% jointed, 39% in the boot; and 24% headed out. First crop alfalfa hay about 20% harvested, quality much improved. Cherry picking to start July 5th to 10th, 2 weeks behind 1974. Range feed improving. Water supply adequate. Livestock moving to high mountain ranges.

VIRGINIA: Temperatures several degrees above normal. Extremes 101 and 52°. Rainfall ranged from zero to 3.00 in. from showers and thunderstorms.

Fieldwork: 5.1 days suitable. Topsoil moisture 54% adequate, 41% short 5% surplus. Corn showing stress due to moisture shortage. Less than 1% acreage silked. Soybeans 80% planted. Conditions poor for seed germination some areas. Other areas, heavy showers caused herbicide leaching. Small grain harvest: Barley 52%, 1974 65%; oats 35%, 1974 35%; wheat 17%, 1974 25%. Scab disease present. Resetting tobacco continues. Limited irrigation necessary, more than anticipated. Good week for curing, saving hay. Pasture condition down slightly, still good. Potatoes, other vegetables required irrigation. Cabbage, snap bean harvest active.

WASHINGTON: West: Temperatures 1 to 6° below normal. Precipitation below normal.

Strawberry harvest underway. Hay, green chop, silage harvest continued. Some planting broccoli, cauliflower. East: Temperatures normal to 6° below normal. Precipitation varied widely.

Cherry harvest begun. Cutting alfalfa hay. Asparagus harvest winding down. Cabbage being harvested. Thinning, side-dressing sugarbeets. Hay cutting slow due to rain. Harvesting peas. Moisture stress on shallower soils.

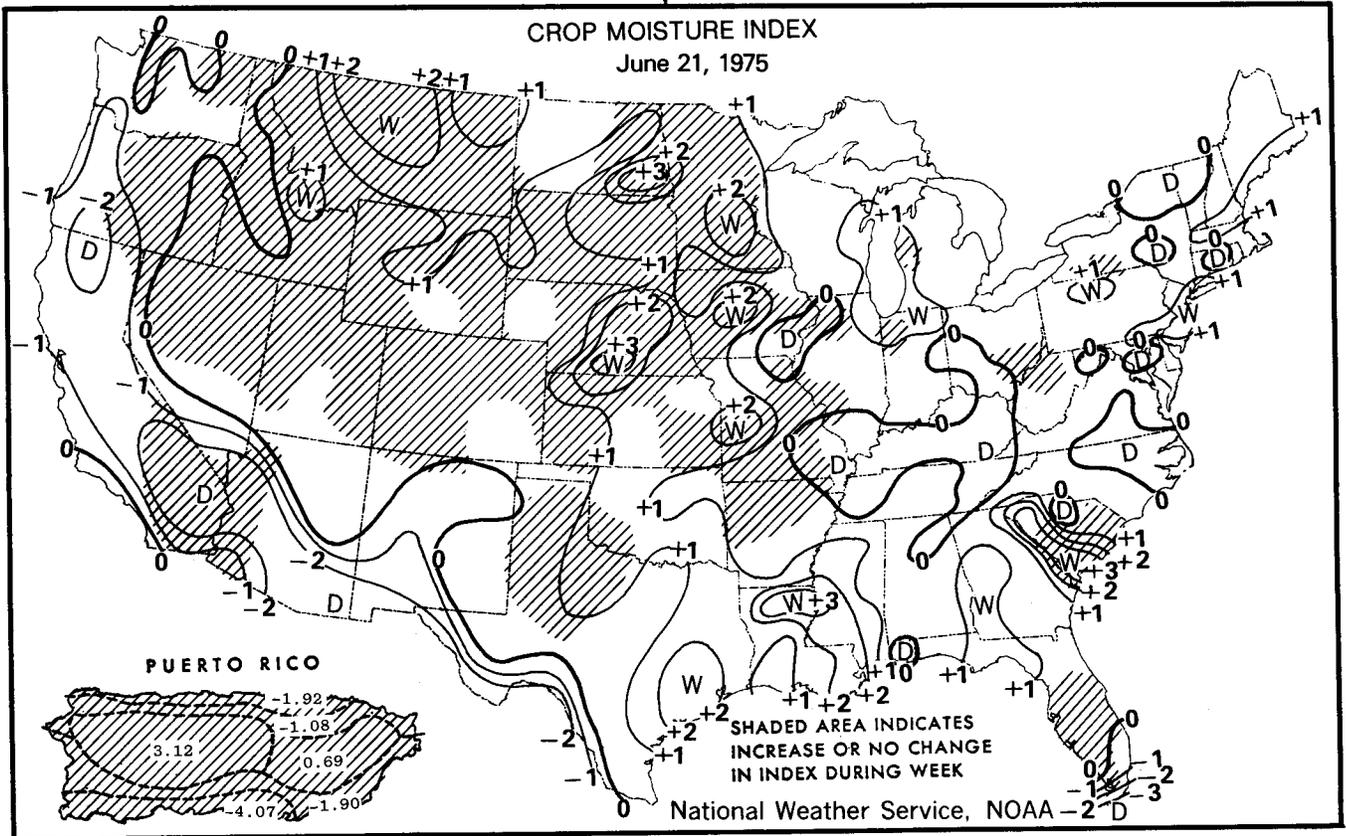
WEST VIRGINIA: Temperatures 2 to 3° above normal. Precipitation normal except below normal northeast.

Fieldwork: 4.4 days favorable. Soil moisture 8% short, 74% adequate, 18% surplus. Main field activities: Haymaking, gardening and cultivating corn. Generally good growing and harvesting conditions for hay. Small grains in mostly good condition. Corn 93% emerged. Tobacco 78% set. Barley 62% turning yellow. Wheat 79% headed. Pasture in good to excellent condition. Livestock generally in good condition with some pink eye problems.

WISCONSIN: Temperatures averaged 4° above normal. Week began cool but warmed steadily. Showers occurred daily somewhere. Rainfall totals exceeded 1.00 in. all areas. some locations over 3.00 in.

First crop haying slowed by frequent rains. Hay 17% harvested, 1974 20%, normal 30%. Quantity of hay heavy where not winterkilled, quality deteriorating as hay matures and cutting delayed. Corn crop growing rapidly now with hot weather and plentiful moisture. Corn height averages 12 in., 1974 7 in. normal 9 in. Early corn very good, late corn did not have favorable germination weather. Weeds a problem where not able to spray

(Continued on page 12)



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



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WORLD WEATHER AND CROP UPDATE

Rain has come to critically dry areas of Australia. Continuous and at times moderate rain began in the major wheat growing region of eastern Australia on June 21 and was still continuing on June 24. Generous rains also fell in Western Australia where conditions were already favorable. These rains will give growers opportunity to more closely realize their planting intentions, especially concerning winter wheat. Planting had lagged severely. Furthermore, the rains will give a substantial boost to wheat and other crops already seeded. Pastures, range land and water storage will benefit immensely.

During the same period India enjoyed a very active monsoon with rains occurring over much of the country.

Rather hot and relatively dry weather in mid-June has been mostly beneficial for ripening and harvesting of Soviet winter wheat. Of course, it would have caused additional stress to wheat in the problem area of the Volga and southern Urals and to spring wheat in these areas and western Kazakhstan.

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or cultivate. Soybeans coming better with warmer temperatures. Oats and small grains continue to develop well. Early oats just beginning to head, behind 1974 when 5% headed and normal 15% headed. Pastures have good growth but soft from recent rains. Early pea harvest starting, crop looks good. Sweet corn and other vegetables helped by sunshine and warm temperatures. Strawberries being picked. Tobacco planting improving as fields dry up. Soil moisture 25% adequate, 75% surplus. Excessive water lowlands affecting crops. Insect and plant disease problems greater with frequent rains and hot weather.

WYOMING: Temperatures cooler than normal. Departures small. Conversely, precipitation above normal except for small deficiency in Upper Platte Drainage.

Winter wheat 50% headed, sustained heavy hail damage some localities southeast on 18th. Haying started. Topsoil moisture adequate. Planting potatoes and dry beans nearly complete. Emerged: Corn 95%; potatoes 80%; dry beans 80%. Sugarbeets thinned 60%. Prospects for winter wheat, spring wheat, oats, barley, alfalfa fair to good southeast, good elsewhere. Pastures and ranges good condition. Stock water supplies adequate.