

Weekly Weather & Crop Bulletin

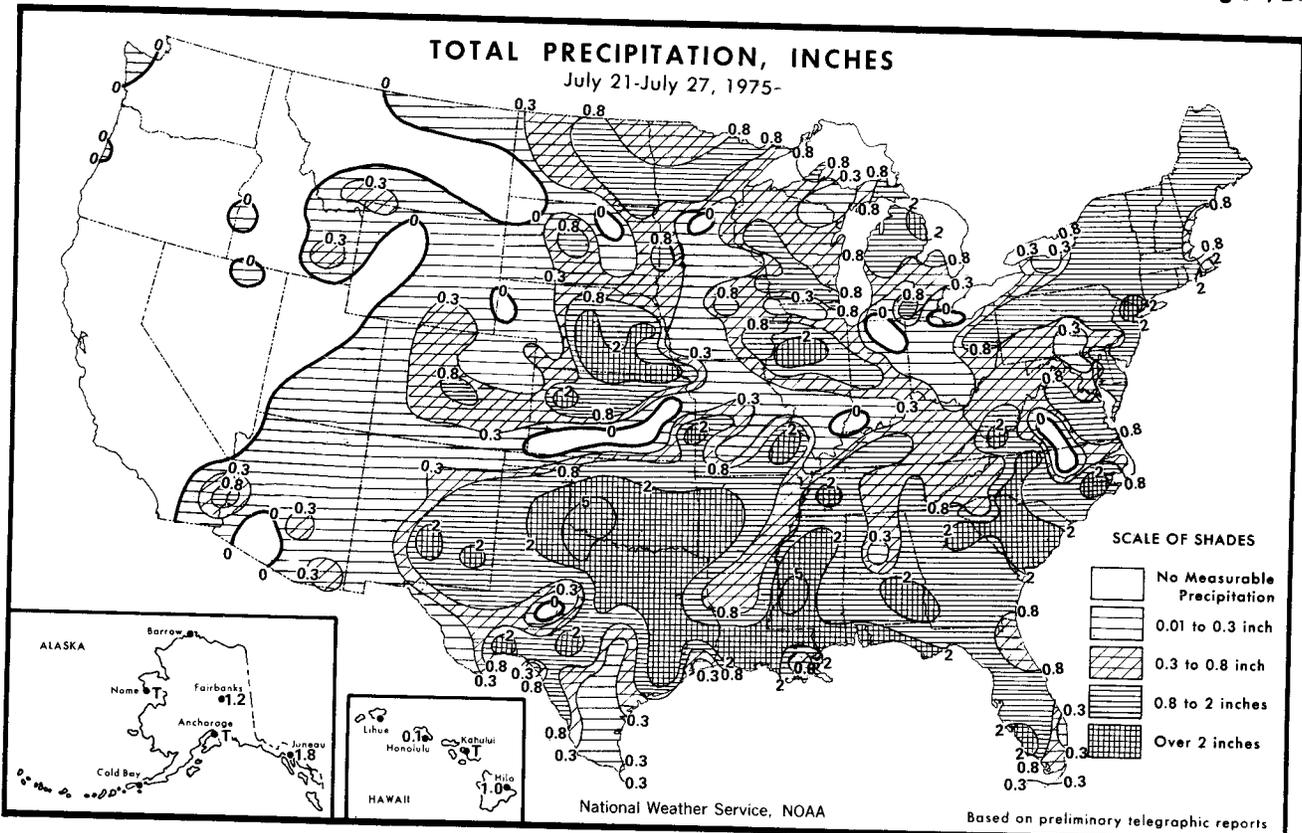
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NATIONAL WEATHER SUMMARY

For the Week of July 21-27

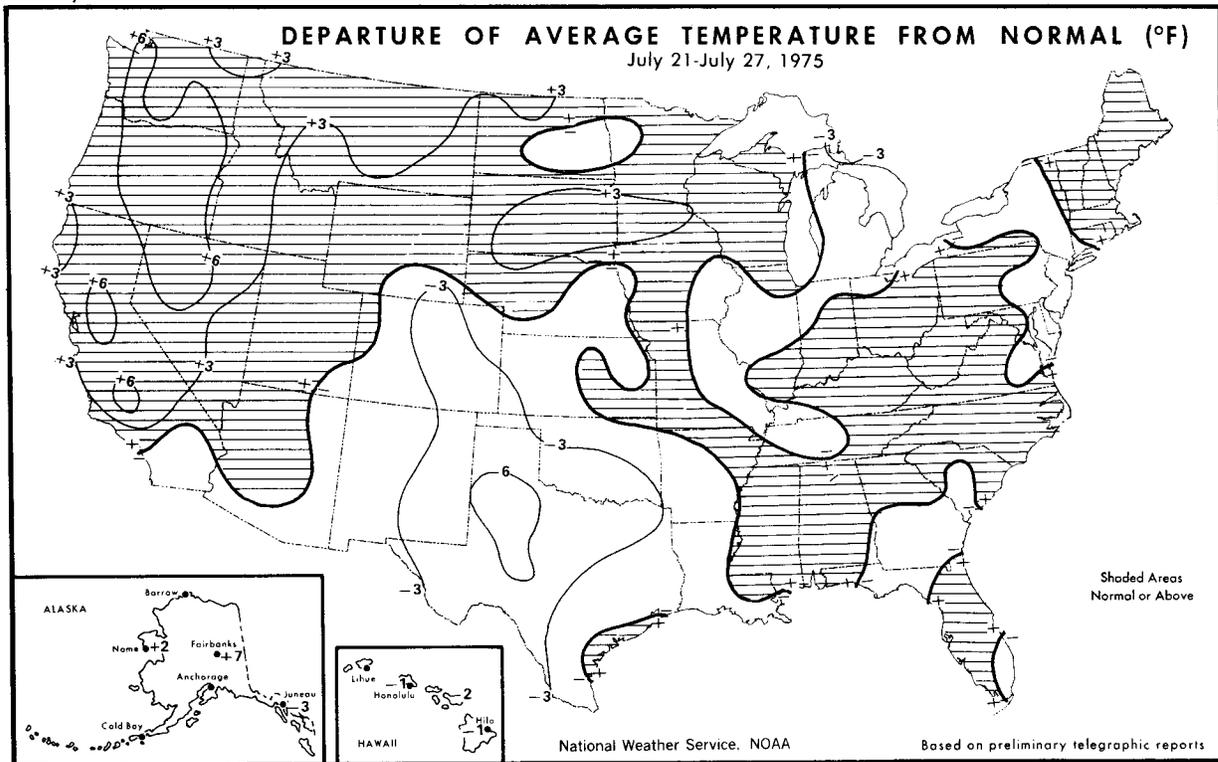
HIGHLIGHTS: Precipitation focused mainly on the southeastern third of the Nation. When violent storms lashed the central Plains and middle Mississippi Valley, Illinois received the heaviest blow. In the southern Plains, heavy rains and rising waters troubled Texas and Oklahoma. Across the Nation temperatures were warm and rose above normal in the West, Northwest, and parts of the northern Plains. Cooler air, however, brought the mercury down in much of the Plains regions.

PRECIPITATION: After kicking up so many storms across the Nation last week, the weather settled down somewhat on Monday. As precipitation withdrew, sunny skies moved in over much of the Great Lakes, Ohio Valley, Plateau, and Pacific Coast regions. Conditions cleared along the Atlantic Coast as well, as drier air pushed rains aside there. Rainfall focused on areas from the north-

ern Rockies, through much of the Plains, and into the lower Mississippi Valley.

Early afternoon skies on Tuesday were sunny to partly cloudy over most of the Country. Later in the day, however, thundershowers, highlighted by heavy rains, developed from the south Atlantic Coast into the lower Mississippi Valley and Gulf Coast. Across the Plains, showers also sprang up, from the Dakotas into western Texas. Heaviest rains soaked Redland, Tex., with over 2 inches in only 1 hour, and in Zachary, La., dumped 3 inches in 1 hour. Outside thunderstorm areas fair weather spread through central U.S. to the Pacific Coast and from the Ohio Valley and Great Lakes to the northern Atlantic Coast.

What started out as a quiet day on Wednesday grew violent by late afternoon, when thunderstorms lashed the central Plains and middle Mississippi Valley. Illinois was hardest hit. A tornado in Canton, Ill.,



caused extensive damage and a number of injuries; and not far away 85 mph winds slammed Peoria. Elsewhere storms were numerous in the south Atlantic States but were more scattered toward the southern Plains. Meanwhile, the western and northeastern portions of the Country basked under sunny skies.

By late Thursday, widespread, heavy thunderstorms had command of the southeastern third of the Nation. In this area a cold front chased heavy thunderstorms from northeast New York to northern Oklahoma. Throughout the day storms continued in the Midwest; reports from Canton, Ill., listed 5 fatalities and 44 injuries from Wednesday's tornado. On the heels of warm, humid air that prompted Chicago to issue a livestock weather safety alert, drier cooler air edged towards the East and the South. To the West, storms dotted the Rockies and much of the intermountain region, following the overall trend of lighter, less general rainfall. In parts of Texas, however, rains again poured up to 4 inches in 1 hour.

Showers and thundershowers followed a path from Arkansas to the eastern Gulf and southern Atlantic Coast States. The South grew quieter, as shower and storm activity from Georgia and Florida through the lower Mississippi Valley region and parts of Oklahoma and Texas became more scattered.

Heavy rains and rising waters in the Gulf and Atlantic Coast States set the weather scene for Friday. Precipitation elsewhere played only a minor role, as scattered thundershowers spread over the southern and central Plateau and into the Rockies.

On Saturday, showers and thunderstorms extended from Oklahoma and Texas throughout the Gulf and into the Atlantic Coast States. Storm activity in

the Southwest withdrew, but locally heavy rains still aggravated already saturated portions of Texas.

The week ended much as it had begun, as precipitation on Sunday was light and widely scattered.

TEMPERATURE: Following a brief respite, warmer weather returned to most of the Nation on Monday, as afternoon temperatures rose into the 80's and 90's, even as far north as the central Plains. Highs in the 60's and 70's warmed the cooler mountain regions, and a few of the 70's moved along the Pacific Coast.

"Hot" summed up the weather as middle-of-the-week temperatures over the Nation topped normal levels for this time of year. The eastern half of the Nation suffered not only from the heat, but also the humidity. Some cooler air spread into the northern Plains, but elsewhere in the Nation's midsection, warm conditions persisted.

The mercury advanced steadily in the Southwest, until Thursday's heat blistered parts of the desert regions with highs that surpassed 110°. In contrast, highs in only the 60's made it chilly for July in parts of the Great Lakes region. As skies cleared towards the end of the week, nighttime temperatures dipped into the 40's and 50's in portions of North Dakota, Wyoming, and Montana. Meanwhile, readings in the 70's prevailed throughout areas east of this cool air boundary.

Sunny skies on Sunday produced warm weather in many parts of the Nation, particularly in the northern two-thirds of the Great Plains and the interior of the Pacific Coast. Havre, Mt., noted for its cool temperature readings, scored a surprising 106°.

NATIONAL AGRICULTURAL SUMMARY

For the Week of July 21-27

HIGHLIGHTS: Precipitation centered mainly in the southeastern third of the Nation with heavy rains in Oklahoma, Texas, and Louisiana. Temperatures were normal to above normal throughout the Nation except in the Southwest. The Nation's winter wheat harvest is 80% complete, virtually the same as 1974 and normal, and continues to move northward.

SMALL GRAINS: The small grain harvest continues into the North Central States as hot, dry weather hastens development.

Winter wheat harvesting made rapid gains throughout much of the major growing area and by July 27th, 80% of the 1975 crop was harvested, which brought it to the 1974 and normal pace. Kansas, Oklahoma, Texas, Missouri, Illinois, and Indiana are virtually finished with winter wheat harvest.

Nebraska's harvest is 90% complete, the same as normal but 10 points below the excellent 1974 pace. Combines moved rapidly in Colorado and 76% of the crop was harvested, compared to 45% the previous week.

Hot weather hastened ripening in Montana and Idaho; harvest is just starting. Winter wheat harvest in Washington is picking up, and is 20% complete in Oregon.

Spring wheat was 7% swathed in Minnesota and 21% combined in South Dakota.

CORN: Hot weather over the major corn growing area along with smaller soil moisture supplies are causing some moisture stress to the crop. In nearly all the North Central States, corn prospects are still ahead of last year and normal, however, additional moisture is needed to maintain rapid development.

In Iowa, scattered rains were only somewhat beneficial; lower leaf burning is becoming more widespread; 67% of the fields compared with 72% average were 75% or more silked. Wisconsin corn is 40% silked, still ahead of a normal 25%. Early corn is setting ears and looks good. Some leaves are rolling on sandy knolls and light soils.

Dry soil moisture conditions in Tennessee and Kentucky hampered development. Soil moisture is generally adequate in the South and East.

COTTON: Cotton continued to make good development in most major producing States and the condition of the crop ranged from fair to excellent.

Cotton was making excellent progress with adequate moisture in the Texas High and Low Plains. The Lower Rio Grande crop is open and ready to pick but wet weather is delaying progress. In Mississippi, cotton was 90% squaring, behind the 95% in 1974 and normal; 62% was blooming. Cotton in Arkansas was blooming and fruiting heavily; squaring progressed rapidly and some fields were being irrigated. Cotton in Oklahoma is late with 66% squaring, compared with 85% in 1974.

In New Mexico, cotton was in fair condition with limited boll setting. In California, plants made rapid growth.

SOYBEANS: Soybeans made satisfactory progress throughout the major producing area. Normal to slightly above normal temperatures prevailed in the North Central Region, and there was rain in the Southeastern States.

In the North Central States, soybeans continue to develop ahead of 1974 and normal. In Illinois, the leading soybean producing State, 84% of the acreage was blooming and 53% setting pods. In Iowa, 45% was setting pods, 29% is the average. In Ohio 75% of the soybeans were setting, 40% in 1974; additional moisture is needed in the central and north central areas. Prospects improved for late Arkansas soybeans, and early beans were blooming and setting fruit. In Mississippi, 11% was podding.

OTHER CROPS: Rains delayed completion of sorghum harvesting in south Texas; harvest was just starting in the Blackland areas. The Kansas crop was 10% headed versus 20% average; some moisture stress is being experienced.

Flue-cured tobacco harvest was 18% done in North Carolina, 51% in South Carolina, and 68% in Georgia.

The Maine potato crop is in full bloom. Idaho potatoes made rapid progress; 65% closing middle.

In Georgia, 98% of the peanuts were blooming; digging of early peanuts started in South Texas.

FRUIT AND NUTS: Tart cherry harvest is winding up in south Michigan and is underway near Traverse City. In western New York, the harvest continues. Citrus trees in Florida are in excellent condition with adequate moisture; new crop fruit is progressing well. In California, picking continues for apricots, apples, nectarines, peaches, pears and plums. Valencia oranges, avocados, lemons, and grapefruit are at seasonal levels.

VEGETABLES: In California, supplies of broccoli, cauliflower, carrots, celery, and lettuce were available. Canning tomatoes were moving to processors from southern California. In the High Plains of Texas, wet fields slowed the onion and potato harvests. Supplies were in good volume for onions, cucumbers, cantaloupes, and watermelons. In Michigan, early cantaloupes were being harvested; cucumber and cabbage supplies are available. In Florida, farmers were active preparing land for fall vegetables.

PASTURES AND LIVESTOCK: Pastures and ranges in much of the Nation's midsection continue to decline as soil moisture is depleted. Ranges in Colorado, Idaho, Wyoming, and Montana were in favorable condition. Texas ranges were above average with abundant grazing, but hornflies, mosquitoes, and ticks reached highest densities in years.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., July 27, 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 . . .	80	0	.3	-.9	LA. Baton Rouge . . .	82	0	3.8	+2.3	Youngstown . . .	72	+1	.9	0
Mobile . . .	83	+1	2.5	+.5	Lake Charles . . .	82	-1	3.2	+1.7	OKLA. Okla. City . . .	78	-4	3.7	+3.2
Montgomery . . .	83	+2	2.6	+1.5	New Orleans . . .	81	-1	.6	-.9	Tulsa . . .	82	-1	1.6	+.9
ALASKA Anchorage . . .	58	0	T	-.5	Shreveport . . .	82	-2	.7	+.1	OREG. Astoria . . .	83	+2	T	-.1
Barrow . . .	---	---	---	---	MAINE, Caribou . . .	65	0	1.3	+.4	Burns . . .	76	+6	0	-.1
Fairbanks . . .	67	+7	1.2	+.7	Portland . . .	70	+1	.6	0	Medford . . .	78	+5	0	0
Juneau . . .	53	-3	1.8	+.7	MD. Baltimore . . .	76	-1	T	-.9	Pendleton . . .	82	+7	0	0
Kodiak . . .	---	---	---	---	MASS. Boston . . .	75	+1	.6	0	Portland . . .	74	+6	0	-.1
Nome . . .	53	+2	T	-.7	Chatham . . .	75	---	2.6	---	Salem . . .	71	+3	0	-.1
ARIZ. Flagstaff . . .	68	+1	T	-.6	MICH. Alpena . . .	72	-1	2.9	+2.3	PA. Allentown . . .	73	-1	1.4	+.4
Phoenix . . .	94	+2	T	-.2	Detroit . . .	70	0	.1	-.6	Erie . . .	71	+2	.7	-.1
Tucson . . .	84	-2	.3	-.3	Grand Rapids . . .	69	-3	.4	-.3	Harrisburg . . .	75	-1	.1	-.7
Winslow . . .	79	0	T	-.3	Houghton Lake . . .	65	-2	1.1	+.5	Philadelphia . . .	77	0	.4	-.5
Yuma . . .	92	3	.1	0	Lansing . . .	69	-2	T	-.6	Scranton . . .	73	+1	.7	-.1
ARK. Fort Smith . . .	81	-2	2.1	+1.4	Marquette . . .	67	0	.1	-.5	R.I. Providence . . .	74	+1	1.7	+1.0
Little Rock . . .	81	1	1.4	+.6	Muskegon . . .	71	+1	.4	-.2	S.C. Charleston . . .	82	+2	2.2	+.3
CALIF. Bakersfield . . .	91	+6	0	0	S. Ste. Marie . . .	61	-4	1.4	+.8	Columbia . . .	81	-1	2.4	+1.1
Eureka . . .	58	+1	T	0	MINN. Duluth . . .	68	+1	.4	-.4	Greenville . . .	79	0	.7	-.2
Fresno . . .	84	+3	0	0	Internatl Falls . . .	68	+1	.4	-.5	S.D. Aberdeen . . .	76	+3	.1	-.6
Los Angeles . . .	74	0	0	0	Minneapolis . . .	76	+3	.3	-.5	Huron . . .	78	+3	.1	-.3
Red Bluff . . .	88	+5	0	0	Rochester . . .	72	+1	.1	-.7	Rapid City . . .	76	+2	T	-.4
San Diego . . .	89	1	T	0	St. Cloud . . .	72	+1	T	-.7	Sioux Falls . . .	77	+3	.3	-.3
San Francisco . . .	86	+3	T	0	MISS. Jackson . . .	83	+1	5.7	+4.7	TENN. Chattanooga . . .	80	+1	1.1	0
Stockton . . .	84	+7	0	0	Meridian . . .	82	+1	1.0	-.2	Knoxville . . .	80	+2	T	-.1
COLO. Denver . . .	71	-3	.3	-.1	MO. Columbia . . .	77	-1	.3	-.5	Memphis . . .	83	+1	.5	-.3
Grand Junction . . .	79	0	.1	0	Kansas City . . .	81	+2	T	-.9	Nashville . . .	79	-1	.1	-.7
Pueblo . . .	74	-3	.5	0	St. Louis . . .	79	0	.2	-.6	TEX. Abilene . . .	80	-4	.3	-.2
CONN. Bridgeport . . .	73	-2	1.3	+.5	Springfield . . .	79	+1	.1	-.6	Amarillo . . .	74	-5	2.0	+1.4
Hartford . . .	75	+2	1.4	+.6	MONT. Billings . . .	76	+3	.1	0	Austin . . .	83	-2	T	-.4
D.C. Washington . . .	80	+1	.4	-.6	Glasgow . . .	75	+3	T	-.3	Beaumont . . .	82	-1	.2	-1.2
FLA. Apalachicola . . .	81	-1	3.6	+1.7	Great Falls . . .	75	+4	T	-.2	Brownsville . . .	83	-2	.2	0
Daytona Beach . . .	81	0	.8	-.7	Havre . . .	75	+4	T	-.2	Corpus Christi . . .	85	0	.3	-.1
Ft. Myers . . .	83	0	2.6	+.7	Helena . . .	71	+2	T	-.1	Del Rio . . .	82	-5	T	.2
Jacksonville . . .	82	+1	.6	-1.1	Kalispell . . .	69	+3	0	-.2	El Paso . . .	80	-2	.1	-.3
Key West . . .	82	0	T	-.9	Miles City . . .	78	+2	0	-.3	Fort Worth . . .	81	-4	3.8	+3.4
Lakeland . . .	82	0	1.6	-.2	Missoula . . .	72	+4	0	.1	Galveston . . .	86	+3	.6	-.4
Miami . . .	82	-1	.6	-.8	NEBR. Grand Island . . .	76	-2	1.3	+.7	Houston . . .	82	-2	2.7	+1.8
Orlando . . .	82	0	1.1	-.7	Lincoln . . .	75	-2	.9	+.3	Lubbock . . .	73	-7	1.7	+1.2
Tallahassee . . .	80	-1	1.8	-.2	Norfolk . . .	75	-1	1.1	+.5	Midland . . .	78	-5	1.7	+1.3
Tampa . . .	84	+2	.9	-1.0	N. Platte . . .	76	+1	.2	-.6	San Angelo . . .	79	-6	T	.3
W. Palm Beach . . .	81	-1	1.0	-1.2	Omaha . . .	77	+1	.2	-.6	San Antonio . . .	83	-2	.2	-.2
GA. Atlanta . . .	78	0	1.0	-.1	Valentine . . .	79	+4	.7	+.2	Victoria . . .	85	0	.6	0
Augusta . . .	81	0	1.1	-.1	NEV. Ely . . .	70	+1	0	-.1	Waco . . .	81	-3	1.1	+.8
Macon . . .	80	-2	.9	-.1	Las Vegas . . .	93	+2	0	-.1	Wichita Falls . . .	81	-5	2.5	+2.1
Savannah . . .	80	-1	1.8	0	Reno . . .	75	+5	0	-.1	UTAH. Blanding . . .	72	-2	T	.3
HAWAII. Hilo . . .	75	-1	1.0	-1.4	Winnemucca . . .	80	+8	0	0	Salt Lake City . . .	80	+2	0	-.1
Honolulu . . .	79	-1	.1	0	N. H. Concord . . .	70	0	1.1	+.4	VT. Burlington . . .	72	+2	1.0	+.2
Kahului . . .	76	-2	T	-.1	N. J. Atlantic City . . .	74	-2	1.8	+.7	VA. Lynchburg . . .	76	0	T	-.9
Lihue . . .	---	---	---	---	Trenton . . .	76	0	.9	-.2	Norfolk . . .	80	+1	.9	-.5
IDAHO. Boise . . .	80	+4	T	0	N. MEX. Albuquerque . . .	77	-2	.1	-.3	Richmond . . .	77	-1	1.7	+.4
Lewiston . . .	80	+5	0	-.1	Roswell . . .	76	-3	1.7	+1.3	Roanoke . . .	76	0	.7	-.2
Pocatello . . .	75	+2	.4	+.3	N. Y. Albany . . .	71	-1	1.4	+.7	WASH. Colville . . .	71	+2	0	-.1
ILL. Cairo . . .	80	-1	.1	-.6	Binghamton . . .	71	+1	2.0	+1.1	Omak . . .	74	+3	0	-.1
Chicago . . .	76	+1	.6	-.3	Buffalo . . .	70	-1	.5	-.2	Quillayute . . .	61	+1	.1	-.4
Moine . . .	74	-1	1.7	+.7	New York . . .	76	-1	3.0	+2.1	Seattle-Tacoma . . .	72	+7	0	-.1
Peoria . . .	73	-3	3.3	+2.5	Rochester . . .	71	-1	.2	-.5	Spokane . . .	74	+3	0	-.1
Rockford . . .	73	0	.1	-.8	Syracuse . . .	70	-2	1.6	+.9	Walla Walla . . .	81	+4	0	0
Springfield . . .	75	-1	.4	-.4	N. C. Asheville . . .	74	0	.6	-.5	Yakima . . .	76	+4	0	0
IND. Evansville . . .	78	0	0	-.8	Charlotte . . .	79	0	3.1	+2.1	W. Va. Beckley . . .	71	+1	1.0	0
Ft. Wayne . . .	73	0	.8	0	Greensboro . . .	80	+2	3.7	+2.7	Charleston . . .	75	0	.4	-.8
Indianapolis . . .	75	0	.1	-.8	Hatteras . . .	79	0	.4	-1.0	Huntington . . .	76	0	.3	-.7
South Bend . . .	71	-2	T	-.8	Raleigh . . .	78	0	T	-1.2	Parkersburg . . .	76	0	.3	-.7
IOWA. Burlington . . .	75	-1	1.0	+.2	Wilmington . . .	82	+1	1.5	-.4	WIS. Green Bay . . .	71	+1	.4	-.2
Des Moines . . .	77	+1	.2	-.6	N. DAK. Bismarck . . .	71	-1	.5	+.1	La Crosse . . .	74	+1	.2	-.5
Dubuque . . .	71	-1	.2	-.7	Fargo . . .	71	-1	.9	+.2	Madison . . .	72	+1	1.7	+.9
Sioux City . . .	75	-1	.4	-.3	Williston . . .	72	+1	.2	-.2	Milwaukee . . .	72	+1	.5	-.2
KANS. Concordia . . .	79	0	1.5	+.8	O. HIO. Akron-Canton . . .	74	+2	1.1	+.3	Cheyenne . . .	67	+1	T	-.2
Dodge City . . .	79	-1	T	-.7	Cincinnati . . .	77	+1	.4	-.5	Lander . . .	73	-3	.5	+.1
Goodland . . .	75	-2	.2	-.4	Cleveland . . .	72	0	T	-.8	Sheridan . . .	73	+1	T	-.1
Topeka . . .	77	-2	0	-.8	Columbus . . .	77	+3	T	-.9	P. R. San Juan . . .	83	+2	.4	-1.2
Wichita . . .	81	0	T	-.9	Dayton . . .	75	0	.2	-.6					
KY. Lexington . . .	78	+1	.8	-.3	Toledo . . .	72	-1	0	-.7					
Louisville . . .	79	+2	T	-.8										

Based on 1941-70 Normals

The Weekly Weather and Crop Bulletin is published by the National Weather Service, NOAA, and Statistical Reporting Service, USDA.
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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: Showers over most of state during the week and were heaviest in the central part, yielding some locally heavy rainfall. Temperatures averaged near normal.

Wet conditions limited fieldwork to 4.0 days. Insect control programs altered by frequent showers. Surplus soil moisture along Tennessee and Georgia borders, adequate elsewhere. Corn condition good to excellent; 90% tasseled, 90% 1974; 45% dented, 25% 1974. Cotton condition good; 52% setting bolls, 75% 1974. Wet conditions resulted in increased insect problems. Soybean condition good; 51% blooming, 38% 1974. Peanuts 88% pegging, 100% 1974, condition good to excellent. Tomato harvest Chandler Mountain about over. Sweetpotato condition good. Hay harvesting interrupted by showers. Pasture condition mostly good. Cattle and calf marketings up from a year ago.

ALASKA: A week of much above normal precipitation a result of numerous thundershowers, temperatures were normal to above normal except in Kodiak and Fairbanks area.

Prospects for all crops are rated average to above throughout Railbelt area. Most of the grain fields have headed in Matanuska and Tanana Valleys. Grain averages about 30 in. Ground moisture supply was adequate to surplus in scattered areas.

ARIZONA: Temperatures near normal. Summer rains brought above normal precipitation to east, near normal precipitation elsewhere.

Cotton development good. Barley mostly complete, wheat nearing completion. Sorghum maturing. Harvest safflower continued. Sugarbeet harvest continued. Alfalfa hay harvest all areas. Spring cantaloups, watermelon harvest near completion Yuma County, still active Salt River Valley. Final picking Thompson grapes underway Salt River Valley. Grapefruit, Valencia orange harvest Yuma. Mite, thrip activity required controls. Valencia picking terminated Maricopa County. Cattle, calves good condition. Ranges mostly fair to good. Water supplies mostly adequate.

ARKANSAS: Temperatures ranged from 3° below normal to 1° above normal. Extremes: 60 and 100°. Hottest first of week, cooler thereafter. Rains abundant. Many locations receiving over an inch. Weekly totals ranged from 0.12 in. to 4.85 in.

Scattered rain but more needed. Soil moisture short. Fieldwork: 5 days. Cotton good condition. Squaring progressed rapidly. Early rice in boot stage or heading. Early fields drained for harvest. Soybeans good condition. Corn maturing rapidly. Early sorghum boot to head. Pastures provided adequate feed except in northwest section. Apple and peach harvest continued. Watermelon harvest progressed well. Tomato picking nearly complete.

CALIFORNIA: Few afternoon and evening thundershowers northern mountains and Sierra Nevada early week. Continued warming inland areas. Weekly averages mostly slightly above normal except near normal south coast, extreme southeast portion, and sections of San Joaquin Valley.

Wheat, barley harvest final stages. Sugarbeet harvest increasing rapidly. Corn, cotton, sorghum, rapid growth. Rice improved greatly.

Safflower maturing. Dry beans growing well. Hay harvest active. Alfalfa seed bloom about over. Picking apricots, apples, nectarines, peaches, pears, plums, almonds, walnuts, prunes; olives developing well. Table grape harvest ending, Coachella Valley, active other areas. Valencia orange, avocado, lemon, grapefruit harvests at seasonal levels. Broccoli, cauliflower harvest continues. Cantaloups completed Imperial, increasing Westside. Carrots moving Salinas. Celery active Salinas. Honeydews continue Kern, Blythe, Sacramento Valley, lettuce active Salinas. Spring and summer potatoes declining. Canning tomatoes continues. Watermelon completed Imperial, underway Kern. Rangeland dry. Supplemental feeding active. Herds culled and small grains grazed. Increased movement to irrigated pasture.

COLORADO: Eastern plains precipitation ranged 0.10 to 0.75 in., mountains 0.25 to 1.00 in. Temperatures seasonal northeast and west, elsewhere 1 to 6° above normal. Daily highs 80's to 90's lower elevations, 60's to 80's mountains.

Winter wheat 76% harvested, 94% 1974; 88% average; 91% ripe. Winter barley 93% ripe; 78% harvested, 91% 1974, 81% average. Corn 58 in.; tasseled 31%, 78% 1974, 60% average. First cutting alfalfa 95% complete, second cutting 22%. Tart cherry and apricot harvest active. Potato digging started in northeast. Fall potatoes good condition. Ranges, pastures, and livestock good condition.

FLORIDA: Temperatures averaged near normal. Rainfall averaged 2.50 in. except the Keys which averaged only 0.25 in.

Soil moisture mostly adequate to excessive. Corn harvest active. Tobacco harvest about complete, marketing active. Soybeans, peanuts good to excellent condition. Hay-making continues. Sugarcane good condition. Frequent rains improved pasture production. Cattle, calves showing good weight gains. Producers are busy with fertilization, insect, disease control, other production practices. Watermelon season nearly completed in west. Fall land preparation active throughout as showers permit. Citrus tree condition excellent, moisture adequate. new growth abundant, new crop fruit progressing well. Valencia harvest near completion.

GEORGIA: Temperatures 1 to 3° below normal. Showers much of week. Almost 5.00 in. Decatur County, over 4.00 in. Liberty County. Heavy showers most sections over weekend.

Soil moisture adequate to surplus. Fieldwork very active where weather permitted, 4 days suitable. Corn, soybeans, peanuts mostly good to excellent. Cotton fair to mostly good, 86% setting bolls. Peanuts 98% blooming, 92% pegging. Tobacco 68% harvested, 1974 72%, average 75%. Watermelons 79% harvested. Peach harvest near completion, shipments through July 23, 1,544 carlots, last year 688.

HAWAII: Weather favorable to crop progress. Heavy rains July 20 Waianae area Oahu damaged leaf crops. Most other crops benefited. Dry conditions continuing Hamakua Coast of Hawaii. Pastures and sugarcane poor condition.

Light rains on Kauai replenish soil moisture in some dry pasture but more needed. Vegetable and melon supplies adequate. Banana supplies heavy. Papaya production decreasing. Pineapple harvesting active. Sugar harvesting steady.

IDAHO: Temperatures 3 to 4° above normal. Scattered showers in south, 0.40 in. Pocatello, 0.50 in. Caldwell.

Crop development behind normal. High temperatures causing rapid development. Irrigation and summer fallow active. Winter wheat harvest started; 6% ripe, 21% in 1974. Few fields of spring wheat and barley ripe, 1974 20%. Potatoes rapid progress 65% closing middles, 70% 1974. Second cutting alfalfa 11% complete, 24% 1974. Pastures good high elevation, fair to good lower elevation. Cattle doing well.

ILLINOIS: Temperatures near normal. Precipitation variable, some heavy localized thunderstorms.

Corn 91% silked, 50% 1974, average 64%; 40% dough stage, condition good to excellent. Soybeans blooming 84%, 39% 1974, average 53%; 55% setting pods; condition good to excellent. Oats 95% ripe, 93% 1974, average 90%; 70% crop harvested, 70% 1974, average 58%. Second cutting alfalfa hay 72% cut, 63% 1974, average 62%. Crop mostly good to excellent. Pastures mostly good to excellent. Soil moisture 20% short, 72% adequate, 8% surplus. Fieldwork: 4.5 days suitable.

INDIANA: Scattered showers then cool and partly cloudy. Showers early in period of 0.10 in. northeast, 0.30 in. east central to 0.50 to 0.70 in. elsewhere. Temperatures averaged near normal and ranged from 47 on 26th to 94 on 27th.

Fieldwork averaged 5 days. Topsoil and subsoil moisture short to mostly adequate. Oats 80% combined, 45% 1974, 50% average. Rye 95% combined. Corn 75% silked, 30% 1974, 50% average. Soybeans 70% in bloom, 30% 1974. Soybeans 40% setting pods, 10% 1974, 20% average. Alfalfa hay 70% cut second time. Pastures mostly fair.

IOWA: Precipitation below normal only small areas receiving in excess of 0.50 in. Temperatures near seasonal normals.

Scattered rains July 23 and 24 were somewhat beneficial, more rain needed. Moisture in critical stage in many areas. Corn mostly fair to good. Lower leaf burning becoming more widespread. Corn 89% tasseled. Percent corn fields silked (75% or more) 67%, 63% 1974, 72% average. Scattered rains helped pollination in some areas. Percent soybeans bloomed (75% or more) 79%, 61% 1974, 70% average. Soybeans setting pods 45%, 18% 1974, 29% average. Growing condition of soybeans fair to good. Oats 75% harvested, 75% 1974, 61% average. Winter wheat harvest virtually complete, same 1974 and average. Second cut alfalfa 74% harvested, 69% 1974, 61% average. Second cut Red clover 37% harvested, 38% 1974, 22% average. Topsoil moisture 91% short, 9% adequate. Fieldwork averaged 6.4 days suitable.

KANSAS: Temperature averages somewhat above normal. Some scattered thundershowers northern counties. Very little precipitation southern two-thirds; one-fifth of stations no measureable amounts.

Few scattered showers. State generally very dry. Row crops show stress. Sorghum 10% headed, 15% 1974, 20% average. Corn 70% tasseled, 80% 1974, 65% average; dough 20% 1974, 20% aver-

age. Soybeans 10% podding, 15% 1974, 25% average. Alfalfa third cutting 15% complete, 30% 1974, 25% average. Pasture condition good but moisture needed.

KENTUCKY: Warm and humid throughout week, slightly cooler and less humid by weekend. Rainfall averaged less than 0.50 in. statewide with only isolated amounts to near 1.00 in.

Soil moisture improved 59% short, 38% adequate, 3% surplus. Fieldwork: 5.0 days suitable. Corn condition declining; 38% pre-silking, 41% silked, and 21% milk or later. Progress equal 1974 and average. Soybeans fair; 32% blooming, 26% 1974 and average. Tobacco fair. Dry weather and black shank serious problems. Burley 12% blooming, 30% 1974, 16% average. Late hay crop expected light if dryness continues. Pastures declined.

LOUISIANA: Temperatures near normal. Frequent thundershowers south, widely scattered thundershowers north. Rainfall totals 3.00 to 5.00 in. southwest and eastcentral. Greatest 24-hour rainfall, 2.97 in. Crowley on July 23d. Temperature extremes 98° at Alexandria July 26th, 68° Dequincy July 22d.

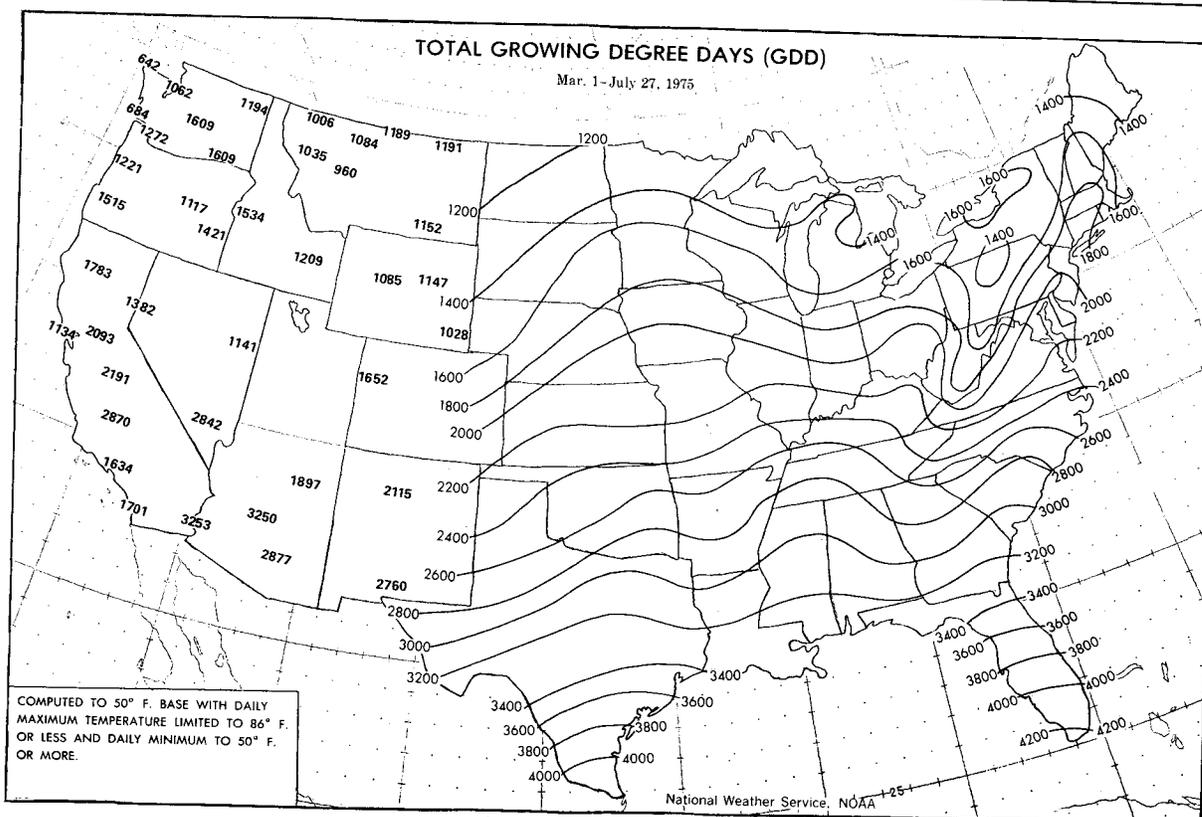
Soil moisture surplus southern two-thirds, generally adequate remainder. Fieldwork possible 3.6 days. Cultivation, insect control, haying, and pasture fertilization main activities. Early soybeans good to excellent, late soybeans poor to fair. Fields grassy, cultivation active. Cotton mostly fair, 50% setting bolls. Sorghum mostly good to fair, planting in windup stages. Corn harvest under way in south. Rice good to excellent south, fair to good north. Sugarcane growth excellent. Preparing land for planting sugarcane. Sweetpotatoes good. Hay harvest active. Pastures average or above. Cattle good.

MARYLAND AND DELAWARE: Temperatures normal to 3° above normal. Precipitation ranged from 0.03 in. to 3.90 in. Weekend sunny with lower temperatures. Corn crop 50% silked, 67% 1974, 53% average. Soybeans 20% bloomed, 12% last year. Third cutting alfalfa 15% complete. Vegetable harvest active. Apple and peach harvest continues.

MICHIGAN: Temperatures 2° below normal. Rains localized; dry in Southern and Upper Peninsula.

Wheat harvest 75%, 40% 1974, 46% average. Corn 50% silked, some fields in dough. Soybean pods 30% set. Some dry beans showing moisture stress. Oat harvest less than 10% south. Potato harvest, Bay Area and statewide 5% harvested. Tart cherries winding up south; underway Traverse City. Apple and peach harvest south. Cabbage cutting 15%. Cantaloupe harvest beginning. Sweet corn developing fast. Hay first cutting virtually complete; second cutting 30%, 17% average. Soil moisture short to adequate. Fieldwork: 5.5 days suitable.

MINNESOTA: A warm dry week. Temperatures 1° to 3° above normal. Extremes: 101 and 42°. Precipitation average 0.40 in. Extreme southwest 2.90 in. below normal past 5-weeks. Continued dry hot weather hastened development. Winter wheat, rye slightly more than 25% combined, about average progress. Other small grains ripening fast. Oats swathed 18%, both 1974 and average 31%; spring wheat swathed 7%, 1974 12%, average 10%; barley swathed 14%, 1974 21%, average 27%. Hot dry weather stressing row crops during pollination stage. Corn tasseled and beyond 86%, 1974 71%, average 76%. Soybeans 38% setting pods,



1974 19%, average 23%. Pastures not furnishing much feed in dry western areas as soil moisture in most areas short - northern areas short to adequate.

MISSISSIPPI: Rainfall average 1.00 in. Temperature extremes: 99° and 61°. Greatest 24-hour rainfall 2.75 in. at Louisville on 20th.

Soil moisture mostly adequate. Fieldwork: 4.7 days suitable. Cotton 90% squaring, 95% 1974, 95% average; 62% blooming; 35% setting bolls, 72% 1974. Soybeans 25% blooming, 25% 1974, 28% average; 11% podding. Corn 80% tasseled, 74% silked, 47% dough stage, 30% dented. Sorghum 31% headed and rice 6%. Cucumbers 90%, peaches 81%, watermelons 48%, and hay crops 48% harvested. Peaches in poor to fair condition. Other crops in fair to good condition.

MISSOURI: Temperatures 1 to 3° above normal south and central; 1 to 3° below normal north. Precipitation 1.00 in. to 1.50 in. southeast and 0.50 in. or less elsewhere.

Six days suitable for fieldwork. Corn 80% silked, 68% 1974, 69% normal; condition 14% poor, 57% fair, 27% good, 2% excellent. Soybeans 57% blooming, 27% 1974, 55% normal; condition fair to good. Cotton 87% setting bolls, 60% 1974, 53% normal; condition fair to good. Oats harvest 94% complete, 97% 1974, 90% normal. Alfalfa hay 2d cutting 86% complete, 88% 1974. Clo-tim hay 90% complete, 87% 1974. Soil moisture supplies slightly improved at 83% short, 16% adequate, and 1% surplus. Pasture condition generally poor to fair.

MONTANA: Dry, hot week. Southwest and southcentral above normal precipitation, elsewhere well below average. Most of the precipitation fell

as showers early week. Hot weather hastening maturity. Soil moisture adequate. Most crops good condition. Winter wheat 5% ripe, 1974 60% ripe--normal 30%. Spring wheat 10% turning, 80% headed. Barley and oats 15% turning, 80% headed. Hay harvest 85% complete 1st cutting alfalfa, 50% done wild hay. Range feed supply adequate. Livestock condition good to excellent.

NEBRASKA: Isolated thunderstorms with heavier amounts south central. Temperatures near normal.

Topsoil moisture supplies 1% surplus, 51% adequate, and 48% short. Subsoil moisture supplies 45% adequate and 55% short. Winter wheat 90% cut, 1974 virtually complete, normal progress 90%. Irrigated corn condition mostly good, 70% silked, 80% 1974. Dryland corn mostly good with 55% silked, 50% 1974. Sorghum and soybeans conditions mostly good. Soybeans podded. Alfalfa hay 20%, 1974 20%, 15% normal, 80% second cutting harvested. Sugarbeets and dry beans making good progress. Irrigation is continuing. Pasture and range feed supplies adequate 52% and short 48%.

NEVADA: Sunny, 5 to 10° above normal temperatures. Extremes: 110° Logandale and Las Vegas, 40° Caliente. Precipitation trace amounts widely scattered areas with McDermitt and Mountain City weekly totals around 0.50 in.

Second cutting alfalfa underway in north, yields disappointing; fourth crop beginning southern valleys. Small grain harvest full swing with near ideal weather. Range feed fair to good. Livestock losses to coyotes heavy.

NEW ENGLAND: Above normal temperatures and high humidities eased with cold front and rain July 21st. Squalls and rain again July 24th ended uncomfortable period.

Vegetable harvest full volume. Sweet corn silking, warm weather has bunched maturity. Maine's potato crop full bloom. Cranberries sizing rapidly. Early blueberries and peaches being picked southern areas - northern area high blueberry harvest expected August 3d. Apples and pear outlook remain favorable. Pastures short. Second cutting of hay general south, starting north.

NEW JERSEY: Temperatures averaged 2° below normal. Extremes: 47° at Newton on the 28th and 92° at Toms River on the 24th. Weekly rainfall averaged 2.59 in. north, 0.64 in. central and 0.44 in. south. Estimated soil moisture, in percent of field capacity, averaged 90% north, 75% central and 66% south.

Soil moisture excessive in many areas. Field work advancing as soils dry. Crop conditions vary by area. Maintaining an adequate spray program difficult. Processing tomato harvest begun. Blueberry harvest declining. Summer apples in good supply. Peach harvest increasing. Grain harvest continues as conditions permit. Early planted field corn and soybeans growing well. Pastures and hay crops making heavy growth.

NEW MEXICO: July thundershowers almost daily. San Juan Basin light rainfall. Rainfall, 4 in. or more near Clovis to north of Roswell early week. Heavy rains in extreme southwest last half of week. Temperatures averaged from near to about 5° cooler than normal.

Rain many areas, moisture supplies adequate. Ranges - livestock fair to good. Cotton poor to fair, limited boll setting. Alfalfa fair to good. Grain sorghum good, some heading. Corn good, mostly tasseled. Wheat - barley harvest continued, complete many areas. Apples poor-fair. Onions - peanuts good.

NEW YORK: Precipitation continued above normal east while west remained dry. Most rain on Thursday. Three-week departures show excessive rain south, north and west remained dry. Temperatures near normal.

Second cutting alfalfa 35% complete. Corn condition very good. Wheat harvest 55% complete. Oat harvest just beginning. Pasture condition poor to fair. Early potato harvest underway. Snap bean and sweet corn harvest picking up. Cabbage, beets, and tomatoes progressing well, harvest to start early August. Early peach harvest starting Hudson Valley. Lodi and Quinte apples harvested. Tart cherry harvest continues in west. Hail damage to grapes in the Silver Creek area.

NORTH CAROLINA: Hot humid weather with scattered showers and thundershowers and locally excessive precipitation.

Corn improved, little change soybeans, some decline peanuts and cotton, all rated fair to mostly good. Flue-cured harvest active all belts, overall 18% harvested, 1974 27%, average 16%. Sweetpotatoes mostly good. Irish potatoes fair to good. Spring harvest nearly complete. Peaches 66% picked, 70% 1974, 52% average. Picking summer apples underway. Hays harvest slowed, 72% cut, 68% 1974. Pastures continue improving, mostly good. Days suitable for fieldwork 3.3.

NORTH DAKOTA: Temperatures ranging 4° above normal northwest to 1° below normal northeast. Top temperature 97° Williston and Watford City, on 25th. Low temperature 47° at Pretty Rock on 24th. Precipitation ranging 0.44 in. below normal in the southwest to 0.41 in. above normal in

the southeast. Weekend near normal temperatures and no precipitation.

Rains southeast and east central delayed haying and swathing early fields briefly but operations in full swing by weekend. Elsewhere haying weather ideal. Crops developing rapidly with hot, dry weather. Virtually all small grains headed. Topsoil moisture shortage spreading. Crops beginning to hurt drier areas. Swathing barley well started south and northeast. Wheat swathing barely begun. Barley combining to begin this week. Pastures and livestock still good.

OHIO: Normal or above temperatures entire week. Range: 49 to 91°. Scattered thunderstorms 24th and 27th. Greatest rainfall northeast up to 1.15 in. Many stations received none.

Harvest completed: Wheat over 95%, virtually complete 1974, and 90% normal; oats, 65%, 60% 1974, and 50% normal; alfalfa hay second cutting, 80%, 65% 1974, and 55% normal; clover timothy hay second cutting 50%, 45% 1974 and 35% normal. Corn: 80% silked, 50% 1974 and normal; dough stage, 15%, less than 5% 1974, and normal. Soybeans: 75% setting pods, 40% 1974 and normal; 15% pods set, 5% 1974 and normal. Fall plowing for wheat 5%, 5% 1974 and normal. Moisture supplies: 29% short, 62% adequate and 9% surplus. Row crops experiencing moisture stress central and north central. Six days favorable for fieldwork.

OKLAHOMA: Temperatures generally below normal. Precipitation averaged from 0.43 in. Panhandle to 4.04 in. westcentral. Weekend very warm and rain occurred most areas except Panhandle.

Field crop conditions declined early in week under hot, sunny skies. Widespread rains fell in all but Panhandle and northwest. Corn 90%, tasseling, ahead recent years. Sorghums 40% headed, 55% 1974, 40% average. 66% cotton acreage squaring, compared 85% 1974, but near average. Peanuts making good growth with 20% acreage spiking, and soybeans 33% blooming, both same as year ago. Third cutting alfalfa 30% complete. Alfalfa seed prospects fair to poor. Ranges should continue good after rains renewed growth.

OREGON: Temperatures 3 to 8° above normal. Maximums 60's and 70's along coast; 80's and 90's interior sections. Minimums ranged in 40's and 50's. Precipitation was 0.50 in. or less.

Wheat 20% harvested. Grain harvest in full swing Columbia Basin counties. Western counties starting barley harvest. Oats, vetch, grass seed harvest continuing. Second cutting haying continuing. Mint and hops fair to good. Blackberry, boysenberry, raspberry, loganberry, blueberry harvest continuing. Cranberries developing normally. Sweet cherry harvest nearly finished Willamette Valley, just starting Union County. Tart cherry harvest beginning. Peaches going to market. Filberts, prunes, walnuts good. Green bean harvest activity increasing. Green pea harvest continuing. Broccoli is being cut. Sweet corn is tasseling. Potato crop good. Ranges and pastures drying up. Cattle, calves look good. Feed and water supplies adequate.

PENNSYLVANIA: Hot and humid through July 25; cool and dry weekend. First real relief from heat and humidity in nearly two weeks over weekend. Temperatures from 4 to 6° above normal first half to 6 to 8° below normal last half. Extremes: 45° to 95°. Thunderstorms July 24 provided 1.90 to 1.50 in. northern and eastern border counties, while parts of southcentral and southeastern areas received no rain.

Soil moisture adequate. Major activities haying, spraying, mowing, small grain harvest. Corn 62 in. tall, 9 in. over 1974. Barley 75% harvested, same as 1974. Wheat 49% ripe, 37% harvested, a week behind 1974. Oats 43% ripe, 8% harvested, same as 1974. Alfalfa hay second cut 45%. Clo-tim first cut 93%. Quality of hay fair to good. Feed from pasture average. Harvest active on tomatoes, sweet corn, early apples, ending on cherries. Some peaches splitting from too much rain.

PUERTO RICO: Island average rainfall 1.93 in. or 0.41 in. above normal. Highest weekly total 4.92 in. at Jayuya followed by 4.59 inches at Corral Viejo. Temperatures averaged about 79 to 81° coasts and 73 to 75° interior.

SOUTH CAROLINA: Temperatures averaged near normal, little day-to-day change. Rainfall heavier than normal totaling 1.00 to 3.00 in. most areas.

Excessive rain hindered all field activities. Weeds, grasses, insects increasing problem. Cotton condition fair to good; 90% squaring, 98% 1974, 95% average; 86% setting bolls, same as 1974. Corn good: 97% silked, 99% 1974; 73% dough stage, 88% 1974, 78% average; 40% mature, 25% 1974, 22% average. Tobacco fair to good; 51% harvested, 65% 1974, 58% average. Soybeans fair to good condition. Peaches 71% harvested, 84% 1974, 72% average. Watermelons 78% harvested, 85% 1974, 88% average. Pastures, Lespedeza, grapes, peanuts fair to good condition.

SOUTH DAKOTA: Temperatures averaged from 6° below normal to 4° above normal. Precipitation received ranged from 0.00 in. north to 2.67 in. south central.

Hot, dry winds continued to delay corn and soybean growth, burn small grains and force late seeded grains to ripen prematurely. Spring wheat 62% ripe, 1974 near 100%, normal 62%. Oats 83% ripe, 1974 94%, normal 81%. Barley 86% ripe, both 1974 and normal near 100%. Spring wheat 21% combined, 1974 51%, normal 28%. Oats 41% combined, 1974 56%, normal 45%. Barley 44% combined, 1974 70%, normal 52%. Rye 52% combined, 1974 83%, normal 67%. Winter wheat 76% combined, 1974 97%, normal 73%. Flax 12% ripe, 1974 23%, normal 12%. Soybeans 84% in or past bloom stage, 1974 80%, normal 76%. Sorghum 11% headed, both 1974 and normal 10%. Corn 55% tasseled, 1974 44%, normal 48%. Second cutting alfalfa 61% harvested, 1974 44%, normal 43%. Pastures west and north generally good condition, south and east short and drying up.

TENNESSEE: Widespread thundershowers midweek. Heavier amounts in west. Temperatures averaged near to slightly above normal.

Crop conditions variable. Soybeans set pods 20%, 1974 5%, average 10%. Early corn hurt by drought. Late corn generally good. Dough stage 40%, 1974 25%, average 35%. Cotton setting bolls 55%, 1974 30%, average 45%.

TEXAS: Thunderstorms caused heavy rains large portion north late 24th to midday 25th. Most other sections near normal to 2.5 in. above normal. Temperatures near normal over east while west ranged 2° below normal in southwest to 8° below normal in northwest.

Cotton excellent progress though heavy insect infestations developed Blacklands. Low Plains, Lower Rio Grande Valley cotton crop open, ready

pick but wet weather delaying progress. Most farmers Coastal Bend south have defoliated in preparation for harvest. Sorghum harvest nearing completion Coastal Bend, Lower Rio Grande Valley, rapidly moving north. Farmers completing harvest sunflowers south, southcentral while High, Low Plains sunflowers still in bloom stage. Peanuts: satisfactory progress, but need rain to maintain growth rates; digging early peanuts started south, prospects generally good. Harvest corn, sorghum, peanuts, rice satisfactory progress southern areas. Major crops percent harvested: Cotton 1975 0, 1974 2, average 1; corn 1975 2, 1974 7, average 4; sorghum 1975 29, 1974 36, average 29; peanuts 1975 1, 1974 0, average 3; rice 1975 13, 1974 12, average 30. High Plains: Onion, potato harvest slowed wet fields. Cucumber harvest continues. Light carrot, sweet corn harvest underway. Trans-Pecos: Onion harvest rapidly nearing completion. Cantaloup harvest full swing. North: Cantaloups, tomatoes, squash, okra, cucumbers, watermelons being harvested. East: Tomato harvest passed peak. Watermelon harvest full swing. Central: Watermelons peak production. Peach harvest nearing completion central, Hill Country, harvest light crop east, north continues. Surplus moisture keeping ranges, pastures above average condition. Grazing abundant. Livestock condition reflects excellent grazing situation. Hornflies, mosquitoes, ticks reached highest densities in years. Hay harvest continues with yields generally good; some rain damage sustained on wind rows.

UTAH: Few isolated afternoon and evening thundershowers. Accumulated amounts generally light. Average temperatures near normal for period except 3 to 5° above Uintah Basin.

Nonirrigated soil moisture declining but irrigation water ample. Winter wheat 6% ripe, 2% harvested. Sweet cherry harvest to end last of July, tart cherries middle of August. Apples, peaches, and pears making satisfactory progress. Good second crop alfalfa hay is expected. Livestock condition good.

VIRGINIA: Rainfall light to moderate, greatest amount west, southwest. Temperatures averaged little above normal. Highest 96°, lowest 58°.

Open weather swung crop situation back near normal. Fieldwork: 3.9 days suitable. Topsoil moisture: 11% short, 69% adequate, 20% surplus. Corn responding well, 96% normal compared 90% average, 72% silked. Corn silage harvest started. Soybeans near normal; some problems weeds. Tobacco improving rapidly. Flue-cured harvest slow. Peanuts good; problems weeds and pests. Wheat harvest near end; weather damage, sprouting. Haying good. Vegetable harvest well under way, some problems tomatoes. Peach harvest continues. Pastures excellent.

WASHINGTON: West: Temperatures varied from slightly below normal on coast to as much as 4° above normal inland. Precipitation negligible.

Strawberry harvest nearly complete. Raspberry picking full swing. Blackberry harvest begun. Lettuce harvest continued. Green pea harvest progressing well. Seed crop harvest underway. East: Temperatures varied from 4° below normal to 5° above normal. No measurable precipitation. Picking apricots, early peaches. Mint harvest continued. Dry peas harvest, second cutting alfalfa almost completed. Digging early Norgold potatoes under way. Farmers treating some sugar-beet fields for powdery mildew. Harvest winter wheat picking up. Bluegrass seed harvest begun. Early onion harvest proceeded.

WEST VIRGINIA: Temperatures near normal. Highest temperature 96° Clay, lowest 39° Canaan Valley. Rainfall near normal central and southern areas, below normal elsewhere.

Favorable work days 4.6. Soil moisture 38% short, 51% adequate, and 11% surplus. Main activities: Haying, combining and harvesting small grains, and clipping pasture. First cutting of hay 93% complete, second cutting 16%. Barley 91% harvested, wheat 67%, and oats 32%. Corn, oats, pasture and hay in good condition. Potatoes fair to good. Tobacco mostly fair condition.

WISCONSIN: Temperatures near normal. Rainfall less than 0.50 in. except in south. Locally heavy rainfall of up to 2.00 in. in some southcentral locations.

More moisture needed to maintain crop development. Corn leaves rolling on sandy knolls and light soils. Corn 40% silked, 1974 10%, normal 25%. Early corn setting ears, looks very good. Winter wheat harvest progressing, yields appear

less than in 1974. Rye and high moisture barley being harvested. No oats combined yet, 1974 2%, normal 5%. Second crop hay 25% harvested, 1974 20%, normal 17%. Quality better on 2d crop as weather drier. Soybeans look good, need more rain though. Pasture conditions lowered by hot, dry weather. Harvesting continuing for late peas, early potatoes, snap beans, cucumbers, beets, cabbage and cherries. Soil moisture 75% short, 25% adequate.

WYOMING: Temperatures below seasonal normal. Precipitation sparse, all drainages below normal. Harvest winter wheat underway, 15% combined. Favorable weather aided progress small grains. Barley and oats 85% headed. Percent mature: spring wheat 15%, barley 5%, oats 2%. Corn 10% tasseled. Percent in bloom stage: potatoes 40%, dry beans 20%. Showers improved condition native hay and rangeland. Although slightly behind normal, most crops good condition. Livestock water supplies adequate.

WORLD WEATHER AND CROP UPDATE

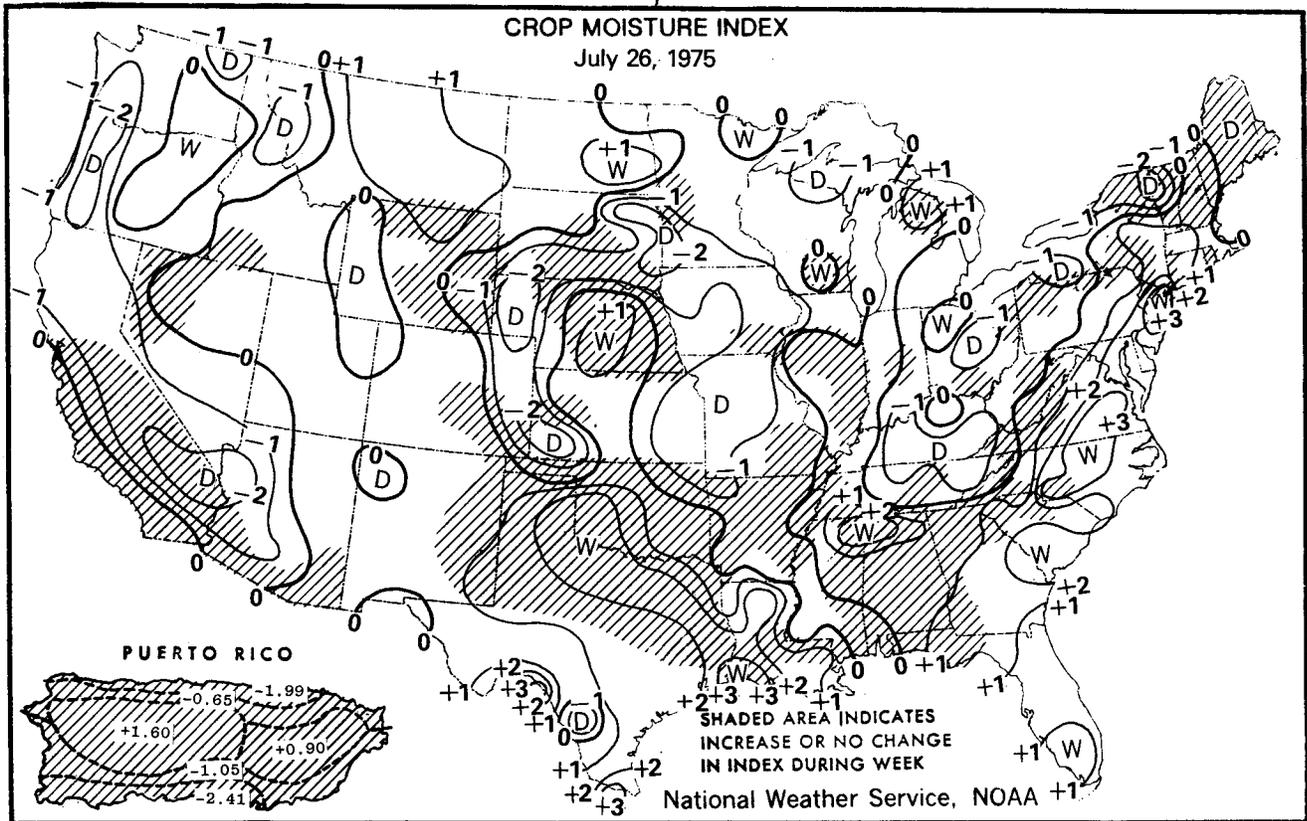
BRAZIL: Frost in mid-July is expected to claim 60-70 percent of Sao Paulo's 1975/76 coffee crop and 5-10 percent of its sugarcane. The intense cold also hurt pastures, tomatoes, wheat, and bananas in that State. Because of frost damage, virtually no coffee will be harvested next year in Parana, and only 25-33 percent of its normal harvest is projected for 1977/78. In Mato Grosso, 1976 coffee production will be slashed by 70 percent and sugarcane by 20 percent. Minas Gerais will suffer a 30 percent loss in 1976 coffee production and 20 percent sugarcane loss.

Cold weather also harmed early wheat in Parana, reducing Brazil's 1975-76 wheat crop prospects from 3.5-3.8 million tons to about 3 million.

Throughout the freeze zone of southern Brazil, frost burned pastures, and this will result in higher than usual livestock slaughter.

CARIBBEAN: July rains eased the severe drought in parts of the Caribbean, but the extent of relief is not yet known.

ELSEWHERE: Rains during the week ending July 28 brought some relief from drought to Sweden, East Germany, and Poland. Scattered showers fell in the USSR spring wheat area, and the PRC's northern area also picked up additional rain. Elsewhere, flood-ravaged areas of the Danube Basin received little additional rain.



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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1975 HARVESTING PROGRESS

Percent of Acreage Harvested
(As of July 27)

WINTER WHEAT

	Average	1974	1975
Colo.	88	94	76
Ill.	100	100	100
Ind.	2/	2/	1/
Kans.	100	100	100
Mo.	1/	1/	1/
Neb.	90	100	90
Ohio	90	100	95
Okla.	100	100	100
Ore.	2/	2/	20
S. Dak.	73	97	76
Tex.	100	100	100
U. S.	80	81	80

1/Virtually complete
2/Not available