

WEEKLY WEATHER AND CROP BULLETIN

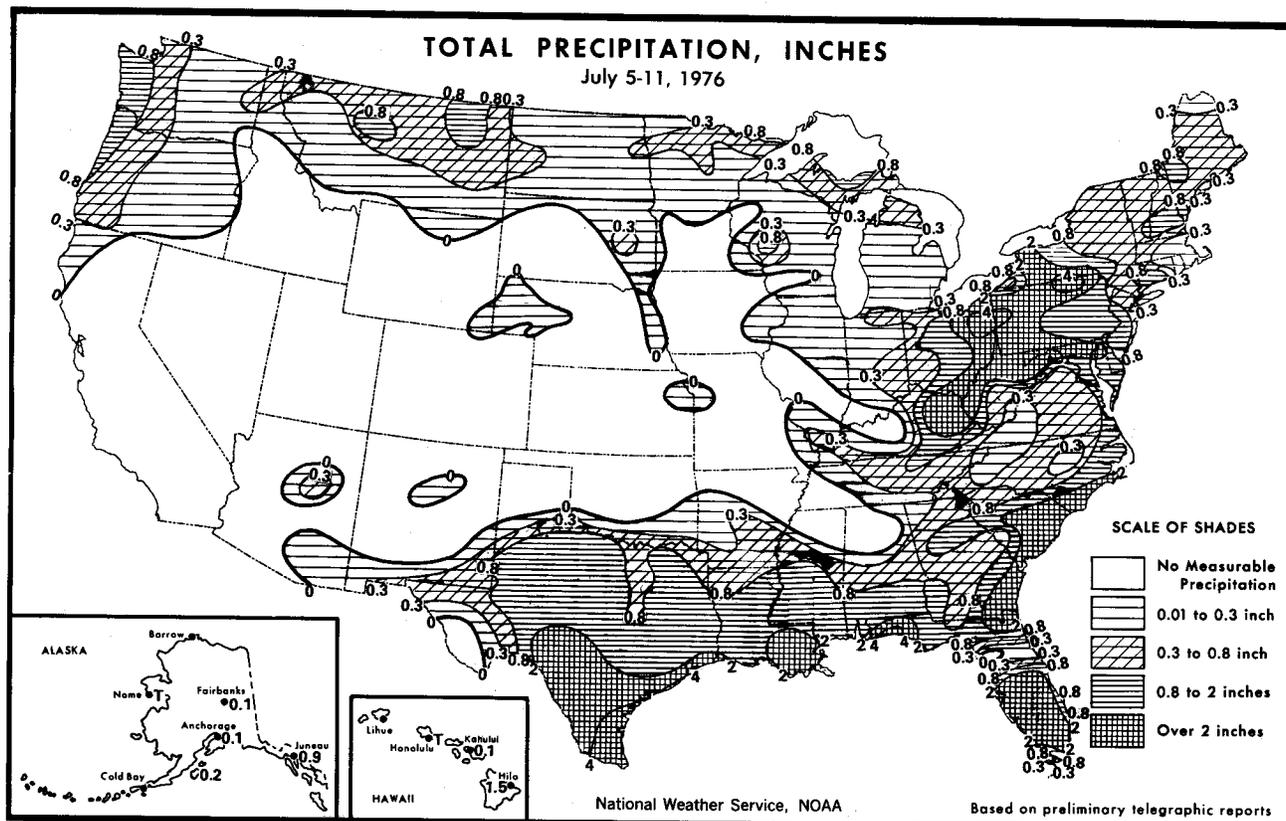
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National Weather Summary

For the week of July 5 - 11

HIGHLIGHTS: Widespread warm temperatures and scattered thundershowers spelled little change in national weather patterns during the week. Precipitation ranged from central Texas along the Gulf Coast into portions of the Mississippi and Ohio Valleys. In Texas, persistent shower activity halted temperatures 20° below normal. Cooler than usual weather also enveloped the Southeast, most of the Northeast, and Pacific Northwest. Heavy rains ended the week on a stormy note in the northern Ohio Valley, where tornadoes, hail, and violent winds caused some damage.

Slow moving frontal systems and pressure centers that dominated weekend weather patterns produced widespread warm temperatures and scattered thundershowers across the Nation on Monday. As the day progressed showers mushroomed from Texas to the southern Atlantic Coast, and over the Ohio Valley, Appalachians, and northern New England States.

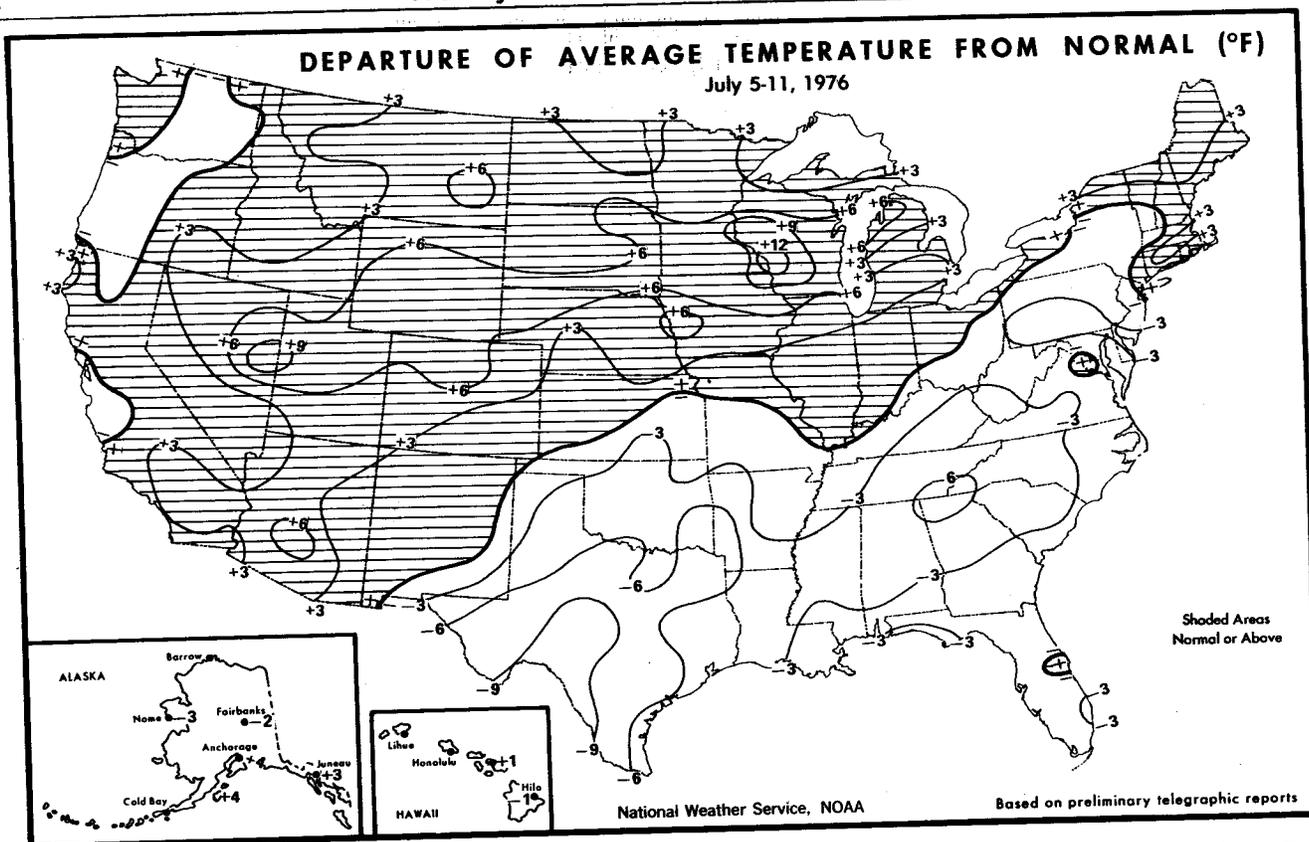
Scattered rains appeared from North Dakota into Colorado and New Mexico.

A survey of isolated severe weather placed a tornado southeast of Dallas, Tex. and wind gusts to 60 mph in Finley, N. Dak. In Nebraska, 2 inch hail pelted an area north of Scottsbluff.

Though readings in the 80's and 90's warmed most of the country, shower activity halted the mercury in the 70's in southeast U.S. Seasonal weather translated into highs in the 60's and 70's in the Pacific Northwest. The Nation's hot spot came as no surprise: Needles, Calif., 116°

A large high pressure system pushed away clouds from the northern Midwest. Clear skies ranged from the upper Great Lakes region across the middle Mississippi Valley and central Plains through most of the upper Rockies to the Pacific Coast.

From the northern Atlantic Coast across the Mississippi Valley to the Rockies and Far West, Tuesday's high pressure systems produced more warm,



dry weather over most of the Nation.

Daytime temperatures shot up rapidly under sunny skies. By noon the mercury pushed into the 90's in New England and into the 80's across the upper Mississippi Valley and High Plains.

In the Intermountain region the weather word was hot. Temperatures in the 80's dotted Idaho and Wyoming and vaulted 20° higher in portions of Wyoming and Colorado.

In the eastern half of the Nation, scattered thundershowers persisted from the southern Great Lakes region to the middle and southern Atlantic States and along the Gulf Coast. Increased shower activity drew attention over the Rockies, the western High Plains, southern Plateau, and from Minnesota into Nebraska.

Forecasters spotted two tornadoes in Florida and Nebraska, Tennessee, and Wyoming all reported isolated golf ball size hail.

Midweek reports revealed little change in the Nation's weather patterns. In the form of scattered thundershowers, most of Wednesday's precipitation edged the Gulf and Atlantic Coastal areas. Early in the day heaviest storms hit the Galveston, Tex. area on the Gulf Coast, and zeroed in on North Carolina along the Atlantic Coast.

Readings in the upper 80's to mid 90's created unseasonably hot conditions across the southern two-thirds of the Rockies. In the desert Southwest the mercury shot up to a scorching 115°.

Hot summed up Thursday's weather over most of the Rockies, eastern Oregon, the northern two-thirds of the Plains, and the upper Mississippi Valley where temperatures scored in the 90 to 100° range.

Forecasters traced summer showers and thundershowers from central Texas along the Gulf Coast into Florida. Weather maps also showed thunder-

showers stretching from the Ohio Valley into New England and a few scattered thundershowers across North Dakota and northern Minnesota.

In the Gulf Coast area, two tornadoes skipped across Corpus Christi, Tex. and several waterspouts turned up near Tampa, Fla.

In the evening storm activity quieted across the Nation.

Temperatures of 100° plus again baked portions of the Plains, central Rockies, and upper Mississippi Valley on Friday. Some of the day's record highs: Sioux Falls, S.D. 106°, Mason City, Iowa 101°, Minneapolis, Minn. 99°, and Lander Wyo. 97°.

On the cool side, the mercury slipped as much as 20° below normal over the eastern half of Texas. The reason: continued thundershower activity, which dumped more than 3 inches of rain in 24 hours in some places.

Though nighttime temperatures cooled somewhat, thermometers still registered in the 80's from the Midwest to the Rockies. End-of-day precipitation was light and scattered through the South and from the northern Plains across the Great Lakes region.

Scattered thundershowers dominated the Nation's weekend weather patterns.

Strong winds, hail, and heavy rains accompanied lines of intense thunderstorms that moved across northern portions of the Ohio Valley. Eastern Ohio and western Pennsylvania took the worst beating on Sunday, when six tornadoes touched down in the area.

Cooler air moving into northern portions of the Plains and Mississippi Valley checked daytime readings in the 70's to lower 80's. Shower activity continued to hold temperatures below normal across most of Texas.

National Agricultural Summary

For the week of July 5 - 11

HIGHLIGHTS: Soil moisture remained short in many of the North Central States. A continued lack of moisture in California cut into irrigation supplies in some areas. Small grain harvest picked up with a lack of rain in harvest areas. Normal summer weather conditions promoted crop growth across most of the Nation.

SMALL GRAINS: Harvest of small grains accelerated in most States. Lack of concentrated rains allowed winter wheat harvest to proceed toward the Canadian Border. In the South, harvest of small grains was virtually completed. At 85% complete, Kansas achieved excellent harvest progress. In Nebraska and South Dakota winter wheat harvest moved ahead of normal. Nebraska hit 50% harvested, compared to 45% normal. South Dakota, at 28% harvested, was 10 points ahead of average. Cutting began in North Dakota. Wheat harvest was virtually complete in Texas and Oklahoma. Colorado, at 29% lagged 44% average and reported condition of its crop as fair. Spring wheat in Wyoming and Montana was in good condition and ahead of normal in maturity. In Wyoming, 81% of the spring wheat was headed and in Montana, 70% was headed, compared to a normal 35%.

CORN: Condition of the U. S. corn crop was good. In the Southern States the crop ranged from good to excellent condition. Alabama's crop was 69% tasseled, about average. In Mississippi 60% was tasseled, compared to 54% average. Nebraska and Iowa reported good to excellent condition; however, additional moisture is needed. Iowa was 14% tasseled, compared to 23% last year. The Kansas crop, at 5% tasseled, fell well behind 25% average. Corn growth in Illinois, Indiana, and Ohio ranged from 50 to 60 inches, ahead of average. In Minnesota, the crop was 18% tasseled and averaged 46 in. in height. That compared to a normal 7% tasseled and 41 in. high. Drought severely damaged Wisconsin's corn on sandy or light soils; surviving plants were at a critical moisture period.

COTTON: Condition of the cotton crop was mostly fair in all States, except Oklahoma and Texas where cotton was in good shape. In Alabama 37% of the crop was squaring, compared to 88% last year. Cotton in Georgia reached 41% bolls set, compared to 69% last year. At 73% squared, Mississippi's crop surpassed last year's 59%. Rains in Texas should help the crop in the High Plains. Boll weevil problems continued to increase along the Coast.

SOYBEANS: Condition of the U. S. soybean crop was mostly good, but a critical lack of moisture plagued the western Corn Belt. Blooming was generally ahead of last year, though Alabama's 6% bloom lagged last year's 21%. In Iowa, 28% of the crop bloomed ahead of the 22% in 1975.

OTHER CROPS: The Nation's sorghum crop continued in good condition. Harvest in Texas, at 11%,

was 4 points below average. Some fields were heading in Oklahoma.

Maine potatoes continued to grow well. Harvest was active in the Middle Atlantic States. In Idaho, 15% of the rows were closed.

Condition of sugarbeets was very good in Colorado and generally good in California.

In Louisiana, rice was 55% headed and ripening in extreme southern areas.

The peanut crop was in good condition in Virginia where cultivation and spraying were active. In Georgia, 93% of its crop was blooming and 68% was pegging. That compares to 96% blooming and 81% pegging in 1975. Pegging of Alabama's crop reached 57% compared to 66% last year and 75% average. Oklahoma was near average with 23% of its crop blooming. Planting in Texas was 97% complete.

Virginia growers started harvesting flue-cured tobacco. In South Carolina tobacco harvest was 21% complete, compared to 21% last year and a 25% average. North Carolina reported mostly good condition for its flue-cured tobacco, which was 8% harvested. Kentucky's crop ranged mostly from 12 to 36 in. high with normal disease and insect problems.

FRUITS AND NUTS: Peach harvest continued active. Georgia harvest reached 87% complete, ahead of last year's 71%. South Carolina harvest hit 67% complete, compared to 43% in 1975. Peach harvest started in the Middle Atlantic States. Arkansas's crop achieved good size and good quality. In Texas, movement from late producing varieties will soon begin. California wrapped up its cherry harvest and began to harvest its Clingstone crop. Harvest of New York's sweet cherry crop was complete. Tart cherries were being harvested in Michigan and New York. Texas pecans suffered disease problems along the coast but looked good in central areas. Citrus harvest continued in Arizona and California. Florida trees were in excellent condition and fruit size was good.

VEGETABLES: Harvest of summer vegetables remained active in the North Atlantic States. Rains in New York caused some problems, but the State reported generally good yields. New Jersey moved good volume. In the South, marketing of watermelons and tomatoes continued. Vegetable movement in Texas ended in southern Texas, but remained active elsewhere. Wisconsin irrigated vegetables because of drought problems. In Michigan vegetables were in good condition. California rated its vegetables in fair condition. Southern areas finished most vegetables as heat and drought became problems across the State.

PASTURES AND LIVESTOCK: Condition of pastures ranged from good to excellent in the eastern United States and poor to fair across the Plains into the Western States. California continued to suffer moisture problems. Many areas moved large numbers of livestock to market because of poor pastures. Supplement feeding was common in the Plains States.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., July 11, 1976

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure	
ALA. Birmingham . . .	76	-4	0	-1.2	La. Baton Rouge . . .	79	-3	2.5	+1.0	Youngstown	70	0	5.1	+4.2	
Mobile	81	0	.4	-1.6	Lake Charles	78	-4	1.1	- .4	OKLA. Okla. City . .	77	-3	0	- .7	
Montgomery	78	-3	.8	- .4	New Orleans	80	-2	2.1	+ .6	Tulsa	75	0	0	- .9	
ALASKA. Anchorage . .	62	+4	.1	- .3	Shreveport	77	-6	.1	- .6	OREG. Astoria	62	+3	1.8	+1.5	
Barrow	--	--	--	--	MAINE. Caribou	70	+5	.1	- .8	Burns	70	+3	.1	0	
Fairbanks	59	-2	.1	- .3	Portland	69	+2	.3	- .3	Medford	70	-1	.5	+ .4	
Juneau	58	+3	.9	- .1	MD. Baltimore	74	-2	2.9	+2.0	Pendleton	73	0	.2	+ .1	
Kodiak	57	+4	.2	- .6	MASS. Boston	76	+3	.2	- .4	Portland	66	0	.6	+ .5	
Nome	47	-3	T	- .5	Chatham	68	--	.1	--	Salem	64	-2	1.3	+ .3	
ARIZ. Flagstaff	70	+5	.1	- .4	MICH. Alpena	70	+5	.7	+ .1	PA. Allentown	72	0	1.7	- .1	
Phoenix	97	+6	T	- .1	Detroit	75	+3	.3	- .4	Erie	68	-4	1.4	+ .6	
Tucson	90	+4	.2	- .3	Flint	73	+4	.2	- .5	Harrisburg	72	-1	1.7	+ .8	
Winslow	81	+2	.6	+ .4	Grand Rapids	75	+4	T	- .8	Philadelphia	67	-5	2.6	+1.7	
Yuma	95	+2	T	0	Houghton Lake	69	+3	.2	- .6	Pittsburgh	70	-2	.6	- .3	
ARK. Fort Smith	76	-6	T	- .8	Lansing	74	+3	T	- .7	Scranton	72	0	.1	- .5	
Little Rock	79	-2	.4	- .4	Marquette	68	+2	1.0	+ .3	R.I. Providence	78	-2	2.8	+ .9	
CALIF. Bakersfield . . .	86	+3	0	0	Muskegon	71	+1	.1	- .5	S.C. Charleston	76	-5	3.4	+2.2	
Eureka	61	+5	.1	+ .1	S. St. Marie	66	+3	.5	- .1	Columbia	73	-5	.4	- .6	
Fresno	80	0	0	0	MINN. Duluth	68	+3	.2	- .7	Greenville	78	+7	2.2	- .5	
Los Angeles	75	+3	0	0	Internatl Falls	70	+5	.6	- .3	S.D. Aberdeen	77	+4	.8	+ .2	
Red Bluff	82	0	0	0	Minneapolis	80	+9	T	- .9	Huron	76	+5	0	- .6	
San Diego	72	+3	0	0	Rochester	77	+7	.1	T	- .3	Rapid City	76	+5	0	- .6
San Francisco	61	-1	T	0	St. Cloud	74	+4	T	- .8	Sioux Falls	81	+8	T	- .7	
Stockton	77	+1	0	0	MISS. Jackson	78	-3	1.5	+ .5	TENN. Chattanooga . . .	73	-6	.2	-1.0	
COLO. Denver	79	+7	T	- .4	Meridian	76	-5	.7	- .5	Knoxville	74	-4	.5	- .6	
Grand Junction	83	+5	T	- .1	MO. Columbia	77	0	T	-1.0	Memphis	79	-2	0	- .8	
Pueblo	78	+2	0	- .4	Kansas City	78	0	T	-1.1	Nashville	75	-4	.7	- .2	
CONN. Bridgeport	74	+1	.1	- .6	St. Louis	80	+2	.3	- .6	TEX. Abilene	75	-8	.7	+ .1	
Hartford	75	+3	T	- .8	Springfield	75	-2	0	- .9	Amarillo	74	-4	T	- .7	
D.C. Washington	78	0	2.0	+1.1	MONT. Billings	76	+5	T	- .3	Austin	76	-8	.9	+ .4	
FLA. Apalachicola	78	-3	.6	-1.2	Glasgow	73	+4	1.4	+1.0	Beaumont	79	-4	2.3	+1.0	
Daytona Beach	79	-2	.1	-1.5	Great Falls	73	+5	1.4	+1.0	Brownsville	79	-5	8.0	+7.7	
Ft. Myers	80	-2	2.6	+ .5	Havre	73	+4	.4	0	Corpus Christi	79	-5	7.0	+6.6	
Jacksonville	79	-2	3.2	+1.6	Helena	70	+3	.1	- .2	Dallas	--	--	--	--	
Key West	84	0	.1	- .9	Kalispell	64	+8	.2	- .1	Del Rio	75	-11	3.3	+3.0	
Lakeland	81	0	3.9	+2.0	Miles City	79	+8	.5	0	El Paso	79	-3	.5	+ .1	
Miami	81	-1	2.5	+ .8	Missoula	69	+3	.1	- .2	Fort Worth	79	-5	.6	+ .1	
Orlando	81	0	2.3	+ .3	NEBR. Grand Island . . .	81	+5	T	- .8	Galveston	78	-5	4.3	+3.3	
Tallahassee	80	-1	.8	-1.3	Lincoln	80	+3	T	- .8	Houston	78	-5	2.0	+1.0	
Tampa	80	-2	2.6	+ .7	Norfolk	80	+5	T	- .8	Lubbock	74	-5	1.1	+ .5	
W. Palm Beach	79	-3	.4	-1.2	N. Platte	75	+1	0	- .8	Midland	75	-7	1.6	+1.2	
GA. Atlanta	73	-5	1.4	+ .3	Omaha	81	+7	0	- .9	San Angelo	73	-11	1.3	+1.0	
Augusta	77	-3	.7	- .4	Valentine	80	+7	T	- .6	San Antonio	76	-8	2.6	+2.2	
Macon	78	-3	.8	- .3	NEV. Ely	75	+9	0	- .1	Victoria	77	-7	3.4	+2.8	
Savannah	79	-2	2.3	+ .5	Las Vegas	90	+1	0	- .1	Waco	79	-6	.2	- .2	
HAWAII. Hilo	74	-1	1.5	- .4	Reno	70	+1	0	- .1	Wichita Falls	78	-7	1.3	+ .7	
Honolulu	80	0	T	- .1	Winnemucca	75	+5	0	- .1	UTAH. Blanding	77	+4	0	- .2	
Kahului	79	+1	.1	0	N.H. Concord	70	+1	1.4	+ .7	Salt Lake City	82	+6	T	- .2	
Lihue	--	--	--	--	N.J. Atlantic City	72	-3	.4	- .5	VT. Burlington	73	+3	.4	- .4	
IDAHO. Boise	75	+2	0	- .1	Trenton	75	-1	.7	- .3	VA. Lynchburg	72	-4	.7	- .2	
Lewiston	74	+2	T	- .2	N.MEX. Albuquerque . . .	79	+1	T	- .3	Norfolk	77	-1	.8	- .4	
Pocatello	75	+5	0	- .1	Roswell	79	0	T	- .4	Richmond	76	-2	.5	- .7	
ILL. Cairo	80	0	.3	- .5	N.Y. Albany	70	-2	.8	+ .1	Roanoke	72	-3	T	- .8	
Chicago	79	+5	T	-1.0	Binghamton	67	-2	3.3	+2.5	WASH. Colville	66	+1	.1	- .1	
Moline	79	+5	T	-1.1	Buffalo	70	0	2.3	+1.7	Omak	68	-2	.1	0	
Peoria	77	+2	T	- .9	New York	78	+2	.1	- .7	Quillayute	59	0	2.0	+1.4	
Rockford	77	+4	.1	- .9	Rochester	72	+1	1.9	+1.3	Seattle-Tacoma	66	+2	.7	+ .5	
Springfield	78	+2	T	- .9	Syracuse	69	-2	.5	- .2	Spokane	68	-1	.6	+ .5	
IND. Evansville	78	0	0	- .9	N.C. Asheville	68	-5	.1	-1.0	Walla Walla	74	-1	.3	+ .2	
Ft. Wayne	75	+2	.2	- .7	Charlotte	73	-5	.3	- .8	Yakima	68	-2	.2	+ .1	
Indianapolis	75	0	.6	- .3	Greensboro	72	-5	.4	- .6	W.Va. Beckley	67	-3	.3	- .7	
South Bend	75	+3	.7	- .1	Hatteras	76	-2	1.2	- .1	Charleston	72	-3	.6	- .5	
IOWA. Burlington	78	+3	0	- .9	Raleigh	75	-2	.2	- .9	Huntington	72	-3	2.1	+1.1	
Des Moines	80	+5	0	- .8	Wilmington	79	-1	2.9	+1.0	Parkersburg	73	-2	2.6	+1.6	
Dubuque	78	+7	.1	- .9	N.DAK. Bismarck	74	+4	.1	- .5	WIS. Green Bay	76	+7	T	- .8	
Sioux City	80	+5	0	- .8	Fargo	73	+3	.1	- .6	La Crosse	84	+12	.7	- .2	
KANS. Concordia	80	+3	0	- .8	Williston	73	+4	.3	- .2	Madison	79	+9	T	- .9	
Dodge City	79	0	0	- .7	OHIO. Akron-Canton	69	-2	6.9	+6.0	Milwaukee	76	+7	T	- .8	
Goodland	78	+3	.0	- .6	Cincinnati	74	-1	.7	- .3	WYO. Casper	77	+7	T	- .3	
Topeka	77	-1	.1	- .9	Cleveland	73	+2	2.4	+1.6	Cheyenne	74	+6	T	- .4	
Wichita	76	-4	0	-1.1	Columbus	73	0	1.0	0	Lander	77	+8	0	- .2	
KY. Lexington	73	-3	3.1	+2.0	Dayton	74	0	.3	- .5	Sheridan	74	+5	.1	- .2	
Louisville	77	0	T	- .9	Toledo	73	+1	.2	- .6	P.R. San Juan	83	+2	.1	-1.3	

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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: Temperatures below normal week, but above normal Sunday. Average temperature 2° below normal. Rainfall scattered over State. Rainfall ranged 0-5.00 inches. Fieldwork suitable 4.0 days. Moisture adequate most counties. Cotton fair condition, 37% squaring, 88% 1975, 88% average. Corn good condition, 69% tasseling, 69% average. Soybeans good condition, 6% blooming, 21% 1975. Peanuts good condition, 57% pegging, 66% 1975, 75% average. Pastures good.

ALASKA: In the Tanana Valley the first of the week was cool with light precipitation. Rest of week was sunny and warm. Temperatures most places averaged above normal. Precipitation was mostly showery and spotty. Weekly accumulations were well below normal. In the Matanuska Valley, after a cool start, the week was hot and sunny. A few places warmed into low 80's and temperatures averaged much above normal. Some rain fell at beginning of week but accumulations were below normal. In the Kenai Peninsula, temperatures were well above normal throughout week. Traces of precipitation reported as sunny weather prevailed. Kodiak Island's temperatures were near normal first half of week with readings much above normal the last part.

Some rain fell first few days but weekly totals below seasonal normal. Excellent haying conditions. Good progress of harvesting first crop. First crop: 80% harvested, 40% grass silage. Oats and barley 60% headed. Topsoil moisture supply short but adequate subsoil moisture reported.

ARIZONA: Temperatures 1 to 6° above normal, slight change over weekend. Light thunder-showers daily in central, southeast mountains. More numerous on Saturday, Sunday. No rainfall in deserts. Cotton satisfactory. Hot weather slowed square and bloom set. Early cotton holding good boll set. Spraying started advanced fields. Cotton planted after small grain in various stages of development. Early grain sorghum making seasonal progress. Seeding late sorghum continues. Small grain harvest practically complete. Alfalfa hay developing seasonally. Cantaloup harvest nearing completion Yuma. Past peak Salt River Valley. Watermelons, potatoes, grapes, Valencia oranges, grapefruit harvest continued. Desert ranges poor. Cattle, calves poor to fair lower elevations. Mostly good higher ranges. Monsoon storms building.

ARKANSAS: Temperatures below normal. Extremes: 96 and 55°. Precipitation 0 to 3.70 inches. Soybeans fair to mostly good; 94% planted, 98% 1975, average 96%. Cotton mostly fair. Most fields squaring few blooms reported. Insects no problem. Rice producers applying nitrogen. Crop good condition. Corn and sorghum growing well. Sorghum fields with heavy worm infestations. Wheat harvest completed. Peach size and quality good. Tomato volume and quality good. Hay yields improved. Pastures providing adequate feed.

CALIFORNIA: South Coast and southeast interior

average temperatures above normal for fourth week in a row. Remainder of State areas showed no average temperature trend. No precipitation, except for a few traces. Desert region with highest temperatures around 115°. Central valley maximum temperatures lowered with cool fronts. San Joaquin Valley had a little below normal average temperatures. Small grain harvest continues. Hay active. Dry beans, corn, milo good shape. Sugarbeets generally good, mildew spraying continues. Rice good to fair progress. Cherry harvest complete all areas. Clingstone peach harvest begun. Apricot, grapefruit, nectarine, Valencia orange, Freestone peach, and plum harvests continue. California vegetables fair. Slight frost injury in north potato fields. Heat affected tomato set in central valleys. Southern areas finishing most crops. Range conditions critical. Supplemental feeding required. Cattle moved to irrigated pasture, feedlots. Thinning herds continues. Springs, creeks dried up, hauling water necessary. Poultry suffering from heat. Dry, warm weather caused threat range fires.

COLORADO: Week hot and dry. Temperatures 100° or higher common end of week. Grand Junction tied high with 105°. Isolated thunderstorms, trace to 0.10 in. Locally strong and gusty winds near thunderstorms. Winter wheat condition fair, 92% turned, 69% ripe, harvested 29%, 14% 1975, 44% average. Winter barley condition fair, 39% harvested. Oats, dry beans, and spring barley condition good. Sugarbeets condition very good. Sorghum condition fair. Corn good condition, average height 34 in., 28 in., 1975. Potato condition summer and fall very good. Alfalfa first cut, 82% 2d cut 11%. Soil moisture short. Ranges and pastures very poor to good condition. Livestock condition good.

FLORIDA: Normal summertime weather. Daily afternoon and evening thundershowers. Temperatures averaged near normal. Rainfall ranging from 0.25 in. to 6.00 in. Soil moisture adequate most areas, excessive east coast and some northern areas. Corn harvest underway. Tobacco, peanut harvest continues. Soybeans mostly planted, good condition. Sugarcane making good growth. Grazing conditions near optimum statewide. Cattle, calves good to excellent condition. Vegetable spring season nearly over. Light supplies watermelon, sweet corn, eggplant, okra. Other crops complete. Citrus tree condition excellent. Fruit sizes good all types, abundance of new growth all areas.

GEORGIA: Temperatures 3 to 5° below normal south, 5 to 9° below north. Showers somewhere in State daily. Most numerous 5th and 6th. Amounts variable, 3.00 in. extreme north, 1.50 in. central and south. Warmer and dry 10th and 11th. Soil moisture adequate to excessive. Three days suitable fieldwork. Insects and disease control active when possible. Corn improved, good to excellent. Cotton fair to mostly good, 41% setting bolls, 1975 69%. Peanuts good, cutworms a problem, 93% blooming and 68% pegging, 1975 96% and 81%. Tobacco

harvest active, 53% complete, 1975 39%, average 38%. Soybeans good, some still planting. Watermelons fair to good 56% harvested, 1975 60%. Peaches 87% picked, 1975 71%. Apples good, mid-State harvest begun. Pastures, cattle and hogs good.

HAWAII: Weather favorable, more sunny periods on all Islands with few scattered showers. Irrigation continues heavy, spray for insect and disease control frequent. Vegetable supplies adequate. Banana supplies light. Papaya supplies heavy. Pineapple entering peak season. Sugar steady harvesting. Pastures poor leeward section. Continued light showers windward area keeping moisture adequate.

IDAHO: Warmer weather. Frost damaged crops recovering; 10-14 days late in harvesting. Hay full swing statewide. Winter wheat 36% turned, spring barley and spring wheat 65% headed. Potatoes - 15% of rows closed. Green pea harvest, 36% complete. Pasture and range grasses good in north, south grasslands dry. Cattle good condition. Temperature little above normal, maxima 103°, Mountain Home. Minima 31° Fairfield. Limited precipitation in North Idaho.

ILLINOIS: Temperatures normal to 7° above. Precipitation less than 0.10 in. most areas. Corn 16% excellent, 70% good, 13% fair, 1% poor; 19% tasseled, 46% 1975, 17% average; average height 60 in., 65 in. 1975, 47 in. average; most advanced height 75 in., 82 in. 1975, 67 in. average. Soybeans 8% excellent, 72% good, 18% fair, 2% poor; 30% bloomed, 50% 1975, 20% average. Winter wheat 90% combined, 91% 1975, 91% average. Oats 85% turned yellow, 78% 1975, 76% average; 50% ripe, 38% 1975, 40% average. Barley 85% combined. Second crop alfalfa hay good, 50% cut, 33% 1975, 31% average. Pastures mostly fair. Soil moisture 65% short, 30% adequate, 5% surplus. Fieldwork: 6.00 days suitable.

INDIANA: Dry, near normal temperatures until weekend. Then temperatures climbed to mid-90's. Heavy thunderstorms in northeast central Indiana with rains ranging from 1.00 to 4.00 in. Rainfall 0 to 0.50 in. elsewhere. Fieldwork averaged 5.0 days. Soil moisture mostly adequate. Wheat 65% combined, 1975 75%, average 50%. Oats 10% combined, 1975 15%, average 5%. Barley 85% combined, rye 45% combined. Corn 50.0 in. high, well ahead of average. Corn 5% silked, 1975 20%, average 5%. Soybeans 14 in., 1975 16 in., both years well ahead of average. Soybeans 10% bloomed. Second cutting alfalfa 30% complete, 1975 15%, average 25%. Pastures mostly fair to good.

IOWA: Scattered showers east, little or no rain remainder of State. Hot during late week. Lack of rain concern as corn, soybeans reach critical stages. Good rain needed entire State. Days suitable for fieldwork: 7.0. Corn growth rapid, average height: 54 in., 60 in. last year. Tallest average 6 ft. Condition good to excellent. Corn on light soils wilting hot afternoons. Corn 14% tasseled, 23% 1975. Soybean growth improved, recovering slightly from herbicide damage. Condition mostly good. Soybeans 28% blooming, 22% 1975, 22% average. Oat harvest 18% complete, 8% 1975, 7% average. Winter wheat 27% harvested, 40% 1975. Yields variable.

Second cutting alfalfa 46% complete, 28% 1975, 26% average. First cutting clover hay complete. Hay regrowth slow. Topsoil moisture 84% short, 16% adequate. Subsoil moisture 43% short, 57% adequate. Most severe shortages west central, northern third of State. Livestock good. Pastures short, requiring some supplemental hay feeding.

KANSAS: Temperatures averaged 76 to 80°. Five degrees above normal northwest to 3° below normal southeast and south central. Precipitation light to none.

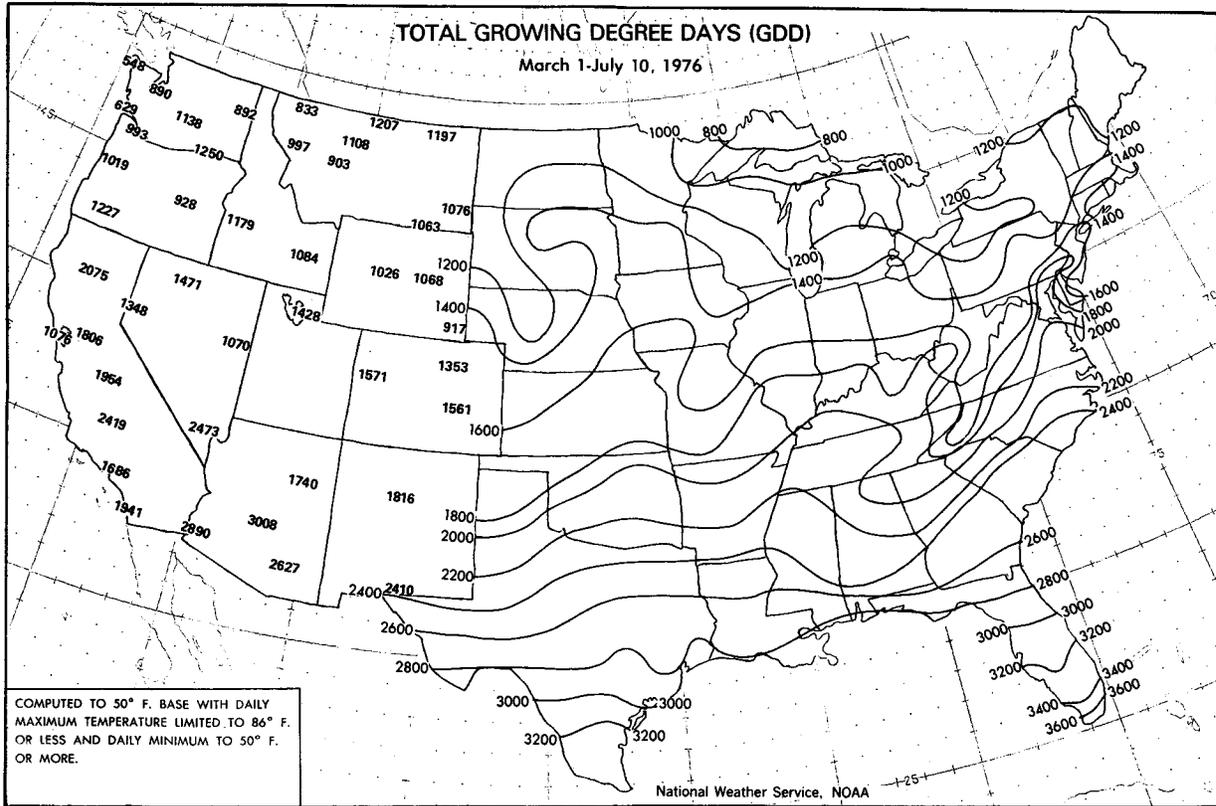
Wheat harvest progress excellent, 85% harvested, 80% 1975, 85% average. Flooding southeast washed out several fields. Wet ground hampers harvest. Some cattle losses. Replanting row crops. Soil moisture supplies short western and north central districts. Corn 5% tasseling, 30% last year, 25% average. Sorghum needs rain western part. Soybeans 5% in bloom, 5% average. Second cutting alfalfa 65% complete, 60% 1975, 70% average. Third cutting alfalfa 5% complete. Scattered chinchbugs corn and sorghum eastern part of State. Pastures extremely dry in west.

KENTUCKY: Partly cloudy, warm and hazy, becoming hot and humid 10th and 11th. Scattered thundershowers daily through 9th. Only 3.0 days favorable field activities. Soil moisture adequate to excessive. Corn growing rapidly, 33% tasseling. Soybeans average 13.0 in. high; some double crop beans still being seeded. Tobacco ranging mostly 12 to 36 in. high, generally good condition, with normal disease and insect problems.

LOUISIANA: Temperatures 3 to 5° below normal. Lowest 63°, highest 92°. Showers and thunderstorms late week, heaviest in south, 2.95 in. Light over northern half. Soil moisture adequate to mostly surplus south. Fieldwork: 9.0 days suitable. Cotton good progress, 67% squaring. Rice 55% headed, ripening extreme south. Soybeans 30% blooming, small acreage planted. Corn good, 66% dough. Sugarcane good, plowing for fall seeding started. Sweetpotatoes nearing maturity south, good progress elsewhere. Pastures, cattle good.

MARYLAND & DELAWARE: Temperatures averaged 1-5° below normal. Extremes: upper 40's, low 90's. Precipitation ranged trace to 3.29 in. Weekend sunny on Saturday, thunderstorms on Sunday. Corn 25% silked, 30% 1975. Some soybeans still being planted. Small grain harvest in full swing. Barley nearly done; wheat, 80%; rye, 80%; oats, 70%. Second cutting alfalfa neared completion, third cutting underway. Most vegetables irrigated. Harvesting tomatoes, sweet corn, and potatoes. Early varieties of apples and peaches being harvested. Spraying and mowing orchards. Soil moisture supplies short, pastures supplying below average feed.

MICHIGAN: Temperatures 1 to 5° above normal. Precipitation: generally light except 1.00 to 2.00 in. over western upper and extreme lower. Continued warm weather and precipitation accelerated crop development. Soil moisture adequate. Fieldwork: 5.0 days suitable. Corn height 33.0 in., 43.0 in. 1975, 31.0 in. normal. Wheat harvest underway southern areas. Wheat 85% yellow, 67% 1975, 56% normal. Oats 85% headed, 13% yellow, 1975 69% headed, 11% yellow, normal 65% headed, 11% yellow. Dry beans planted. Some replanting of flooded fields. Damage due to excess moisture "thumb" area. Soybeans good. First cutting



hay 90% complete. Second cutting in southern areas. Pasture feed supplies average. Tart cherry harvest southwest, just underway central; crop poor. Sweet cherry harvest underway. Vegetables good condition. Strawberry harvest 95% complete.

MINNESOTA: Temperature averages ranged from 4 to 8° above normal. Extremes: 107° Redwood Falls and 47° Grand Marias. Precipitation averaged 0.70 in. north third; 0.30 in. east central; and only 0.10 in. elsewhere. Growing season precipitation departures: 1.00 in. below normal north third; 4.00 to 5.00 in. below central third; and 5.00 to 6.00 in. below south third. Hot weekend temperatures deteriorated row crop condition. Speeded small grain maturity. Corn in silk may have fertilization reduced by weekend heat. Moisture needed quickly to alleviate stress. Small grain harvest beginning in south. Height: Corn 46 in., 1975 45, normal 41; soybeans 15 in., 1975 14, normal 14. Corn 18% tasseled, 1975 8%, normal 7%. Soybeans 36% blooming, 1975 34%, normal 28%. Turning ripe: spring wheat, 36%, 1975 13%, normal 17%; oats 59%, 1975 15%, normal 23%; barley 43%, 1975 13%, normal 24%. Swathed: winter wheat 18%, 1975 0%, normal 1%; rye 25%, 1975 2%, normal 5%.

MISSISSIPPI: Temperatures 6° below normal. Extremes: 56 and 94°. Greatest 24-hour rainfall 3.61 in. at Yazoo City on 5th. Soil moisture mostly adequate. Fieldwork: 4.3 days suitable. Cotton 73% squaring, 59% 1975, 74% average; 18% blooming, 26% 1975; 4% setting bolls, 40% average. Soybeans 97% up, 84% 1975; 6% blooming. Corn 60% silked, 48%

1975, 54% average; 20% in dough stage. Sorghums 95% planted, 95% 1975, 91% average; 23% headed. Hay crops 46% harvested, 36% 1975, 42% average. Watermelons 22% harvested. Irish potatoes 94% harvested, 88% 1975, 88% average. Peaches 60% harvested, 58% 1975, 57% average. Cucumbers 67% harvested, 70% 1975. Cotton mostly fair condition. Other crops mostly good condition.

MISSOURI: Temperatures 1 to 3° below normal. Precipitation 2.00 in. to 2.50 in. Ozark and Bootheel areas, 0.50 in. elsewhere. Farming activities: 5.3 days suitable for fieldwork. Soybeans 96% planted, 1975 98%, normal 96%. Soybeans 10% blooming, 1975 25%, normal 14%. Corn 14% silked, normal 28%. Wheat 88% harvested, 1975 94%, normal 87%. Alfalfa second cutting 61% complete, normal 61%. Clo-timothy mixtures 80% harvested, normal 77%. Cotton 35% squaring, normal 64. Condition of soybeans fair to good. Condition of corn fair to excellent with more than half in good condition. Condition of cotton in the Bootheel is poor to fair, with 75% in poor condition. Condition of pastures fair to good. Soil moisture supply 51% short, 42% adequate, surplus 7%.

MONTANA: Grain crops condition good. Growth well ahead of normal. Soil moisture supply short to adequate. Winter wheat 40% headed, 55% turned, normal 75% headed, 10% turned. Spring wheat 25% boot, 70% headed, normal 40% boot, 35% headed. Barley 30% boot, 60% headed, normal 35% boot, 40% headed. Oats 20% boot, 75% headed. Alfalfa hay 55% cut. Wild hay 30% complete. Irrigation supplies average to above average. Grazing prospects late summer

ranges mostly good. Stockwater supply adequate. Grasshopper activity light to moderate. Average temperature normal to 9° above. Rainfall variable from scattered showers. Weekly total 0 to 1.00 in. Greatest scattered in central and northeast.

NEBRASKA: Temperatures cool early but 100° mid-week. Rainfall scattered, central portion receiving greatest amount. Heavy hail damage in west. Scattered hail in east. Topsoil moisture short 75% of counties 74% 1975. Subsoil moisture short 83% counties, 47% 1975. Winter wheat condition poor 5%, fair 58%, good 37%; 95% wheat ripe, 70% normal, 65% 1975. Wheat harvest 50% completed, normal 45%, 35% 1975. Corn good condition. Irrigation systems running. Some dryland crops showing signs of drought stress. Sorghum and soybeans good condition. Alfalfa and wild hay fair to good condition. Second cutting of alfalfa 45% harvested, wild hay being cut. Pasture and range feed supplies short 64% counties. Supplemental feeding required some areas.

NEVADA: Warm, dry weather. No significant precipitation. Persistent afternoon winds aggravated dry conditions. Temperatures above normal all sections. Extremes: 114° Logandale, 37° Mountain City. First crop alfalfa hay complete north, yields down. Wild hay yields lower.

NEW ENGLAND: Temperatures above normal. Rainfall well below normal. Temperatures in 90's 5th and 6th. Light rain 7th widespread. Rainfall totals for week generally less than 0.50 in. north and less than 0.25 in. south. Maine potatoes continue good growth. Corn and other crops growing well. Exception is southeastern New England where soil moisture short. Haying slow. First cutting 60% north, 95% south. Some 2nd cutting now underway.

NEW JERSEY: Temperatures slightly below normal. Extremes: 90 and 50° on 6th. Weekly rainfall averaged 0.57 in. north, 0.83 in. central and 1.27 in. south. Heaviest 24-hour total 0.98 in. at Newton. Estimated soil moisture, in percent field capacity: 76 north, 60 central, 66 south. Four inch soil temperature: 73 to 76° around State.

Soil moisture extremely varied. Summer vegetables moving to market increased volume. White potato harvest begun. Sweetpotato growth good. Summer apples available. Peaches being harvested. Blueberry movement at peak. Grain and hay harvest interrupted by showers. Field corn and soybean conditions improved.

NEW MEXICO: Moisture short. Cotton fair, 50% squaring. Alfalfa good, second cut 95% complete in south. Third cut beginning. Irrigated winter wheat good, 85% harvested. Durum wheat good, 70% harvested. Irrigated grain sorghum good, 5% heading. Dryland grain sorghum poor to fair. Barley, corn, apples, and vegetables good. Onions and chili fair to good. Ranges fair. Cattle and sheep fair to good.

Some shower activity during week all areas, averaging 0.10 in. or less. Temperatures averaged near 5° warmer than normal northeast plateau and 3 to 4° colder than normal in southeast.

NEW YORK: Temperatures near normal except far north. Extremes: 89 to 35°. Showers scattered daily except for 10th. Severe summer storms

7th and 11th. Weekly rains variable with Binghamton, Buffalo, Poughkeepsie and Rochester over 1.00 in. above normal. Scattered showers delayed fieldwork. Corn condition good to fair. First cutting alfalfa 70% complete; clover-timothy 45%. Pasture condition variable. Long Island potatoes being irrigated; while upstate growing well, some in bloom. Orange County onions doing well. Western onion areas have excessive moisture problems. Storage cabbage planting nearly done. Harvesting peas - good yields. Snap beans and lettuce too wet. Sweet corn growing, some tasseling. Sweet cherry crop harvested. Excessive cracking and brown rot reduced crop. Tart cherry maturity ahead of normal. Harvest beginning. Grapes mostly good condition.

NORTH CAROLINA: Precipitation varied widely, southeast excessive amounts. Temperatures normal except above normal southeastern.

Fieldwork: 4.0 days suitable. Soil moisture mostly adequate to surplus. Flue-cured tobacco 27% fair, 67% good, 6% excellent; 8% harvested, 1975 6%, average 6%. Corn 9% fair, 64% good, 27% excellent. Cotton 10% poor, 60% fair, 27% good, 3% excellent. Peanuts 17% fair, 83% good. Soybeans 18% fair, 78% good, 4% excellent, continued planting following small grain harvest. Irish potatoes fair to good; 82% harvested, 1975 67%. Hay crops 60% harvested, 1975 65%, average 57%. Wheat harvest 93% complete, 1975 96%. Oats 95% combined, 1975 98%. Barley harvest 96% complete, 1975 99%. Rye 96%, 1975 98%.

NORTH DAKOTA: Temperatures 1 to 6° above normal. Extremes: 96 to 46°. Precipitation below normal except 0.29 in. above normal southwest. Below normal 0.67 in. southeast to 0.08 in. northeast. Most precipitation 1.59 in. Weekend began hot but cooled with thundershowers over State. Swathing of winter wheat, rye and early barley beginning. More rain needed for pastures, row crops and late seeded crops.

OHIO: Heavy rains and local flooding northeast on 10th and eastern half on 11th. Precipitation ranged 6.73 in. northeast to 0.15 in. at Toledo. Temperatures near normal 5th-9th and well above 10th and 11th. Extremes: 94° northwest, 49° northeast. Harvest completion: Wheat 55%, 55% 1975, 40% normal; 2nd cutting alfalfa hay 30%, 30% 1975, 25% normal; 2nd cutting clover-timothy hay 15%, 15% 1975, 10% normal; barley 65%, 80% 1975 and 50% normal. Oats harvest started. Oats 40% ripe, 25% normal. Average height: Corn 55 in., 57 in. 1975, 42 in. normal; soybeans 18 in., 18 in. 1975, 14 in. normal. Corn 5% silked, 20% 1975, 5% normal. Soybeans 5%, setting pods, 10% 1975, 5% normal. Corn and soybean condition mostly good. Soil moisture supplies adequate. Fieldwork: over 5.0 days suitable.

OKLAHOMA: Temperatures averaged 3 to 7° below normal. Precipitation ranged from 0.01 in. Panhandle to 2.89 in. northeast. Weekend warm with scattered thundershowers mainly southwest. Amounts generally less than one inch.

Wheat harvest 99% complete, same as average and ahead of 97% 1975. Stubble 66% worked, same as average, 54% 1975. Rain needed as over half topsoils now dry. Corn good to fair but late; 24% tasseled, 4% dough, 1975 34% and 8%, average 42% tasseled and 15% dough. Sorghums now 97% up, average 94%. Some fields heading. Cotton good condition irrigation active, 96% up- with 25% acreage squaring, near average for date. Soybean planting

nearly complete, with 90% up. Few fields blooming, behind 8% average, 10% year ago. Peanuts mostly good, some fields needing water, 23% blooming, near 25% average.

Second cutting alfalfa 92% taken. Ranges in need of rain. Cattle mostly good to excellent condition.

OREGON: Temperatures ranged from 2 to 4° above normal. Extremes: 91°, high 40's west; 100°, high 30's east. Precipitation occurred early in week. Moderate to heavy amounts of rain fell late in week over western and northern portions. Coastal stations averaged over 1.25 in. while the Willamette Valley averaged nearly 0.50 in. North central portion of eastern Oregon averaged about 0.15 in.

Alfalfa, grass, and clover haying continues with some rain damage. Wheat and barley harvest started. Strawberry harvest near completion; yield and quality good. Cherry harvest underway; above average production expected. Red raspberry harvest in progress. Pea harvest ending up in Willamette Valley. Vegetables growth slow due to cool, wet weather. Potatoes recovering from late June frosts. Livestock mostly good condition. Range and pastures fair to good condition.

PENNSYLVANIA: Warm and humid with showers and thunderstorms through week. Temperatures 4° below normal. Extremes: 90 and 42°. Daily scattered showers provided rain to near 1.0 in. Statewide. Heaviest amounts, 4.0 in. central mountains. Severe weather Sunday afternoon, western Pa. produced locally heavy rains, hail, strong winds and tornadoes.

Soil moisture adequate to short. Fieldwork: 3.0 days suitable. Activities: Spraying; making hay and silage; combining barley and wheat; baling straw; harvesting peaches, apples, cherries, snap beans and early potatoes. Corn height 38.50 in., last year 33. Barley 50% ripe, 12% harvested, 1975 4% harvested. Oats 6% ripe, 34% yellowing--1975 23% turning. Alfalfa first cut 92%, second cut 31%. Clo-tim first cut 77%. Hay quality fair--over-mature and wet. Feed from pastures average.

PUERTO RICO: Island average rainfall 0.52 in. or 0.70 in. below normal. Highest weekly total 2.28 inches at Dorado followed by 2.23 inches at Pico Del Este. Highest 24 hour total 1.38 inches at San Sebastian. Temperatures averaged about 80° on coasts and 74° interior divisions with mean station temperatures ranging from 83.4° at Guayama to 66.2° at Pico Del Este. Extremes: 93 and 59°.

SOUTH CAROLINA: Temperatures averaged from 6 to 10° below normal early week to above normal end of week. Extremes: 92 to 57°. Rainfall occurred daily until late in week when precipitation became scattered. Rainfall averaged about 3.0 in. above normal for week in central and portions of eastern South Carolina, lesser amounts elsewhere. Excessive rains, insects, grass caused problems in some areas. Soybean, sweetpotatoes, and sorghum planting nearing conclusion. Harvest of small grains nears conclusion. Peach, tobacco, watermelon harvest continues. Crop condition poor to fair for watermelons. Cotton fair 76% squaring. Peanuts fair to good. Tobacco, soybeans, grapes good to fair. Corn 85% silked. Soybeans planted 93%. Tobacco harvest 21%, 21% 1975, 25% average. Peach harvest 67%, 43% 1975, 36% average. Watermelon harvest 37%, 54% 1975, 44% average.

SOUTH DAKOTA: Hot dry temperatures averaged 10°

above normal. Extremes: 46 to 112°. Thunderstorms scattered amounts of precipitation up to 1.25 in. Most less than 0.20 in.

Small grain harvest full swing. Grains forced to early maturity by drought. Much of oats and barley already cut for hay and silage or being grazed by livestock. Yields vary greatly, nearly all below normal. Small grains harvested: Winter wheat 28%, 1975 2%, normal 18%; rye 27%, 1975 1%, normal 5%; barley 19%, 1975 0%, normal 3%; oats 16%, 1975 0%, normal 0%, spring wheat 7%, 1975 0%; normal 0%. Row crops holding against drought, but under stress. Need additional moisture immediately to develop normally.

Shortages of feed and stock water supplies force heavy cattle sales. Small grain hay and silage providing temporary feed. Livestock under heavy stress from heat. Fly problem developing.

TENNESSEE: Weak low pressure beginning of week replaced slowly by weak high pressure. Widespread showers and thundershowers first of week with rain ranging from near 0.30 in. west to near 1.50 in. east. Temperatures averaged 2° below normal west to 4° below normal middle and east. Warm, sunny weather improving crop conditions. Fieldwork resuming with some small grain harvest, haying, cultivating, and spraying being done. Hail damage reported to crops middle and east Tennessee. Fieldwork: 3.0 days suitable. Warm, sunny weather needed. Soil moisture 61% adequate, 37% surplus, 2% short. Cotton 50% squaring, 90% 1975, 75% average. Cotton development 2-4 weeks behind normal, but condition improving. Soybeans 95% planted, behind 1975 and average. Some lowlands drowned due to rains. Soybeans 20% blooming, same as 1975 and average. Wheat harvested 92%, 99% 1975, 80% average. Oats harvested 85%, 95% 1975, 87% average. Barley harvested 90%, 95% 1975, 92% average. Corn silked 35%, 60% 1975, 45% average. Corn excellent condition. Second cutting alfalfa 80%, 78% 1975, 82% average. Tobacco generally good condition, good stands, few reports of ring spot. Pastures excellent.

TEXAS: Excessive rain, mild temperatures dominated. Rainfall above normal. Normal rainfall 0.25 in to 0.50 in; Rainfall averages 5 in. south; 2.00 in to 14.00 in. southeast, south central and 0.50 in to 1.00 in. west, north. Rain resulted cooler temperatures, averaging 5 to 8 in. below normal. Normal ranged from low 80's western half to mid-80's elsewhere.

Heavy rain fall south, central last week, delaying sorghum harvest. Dryer conditions prevailed north where preparation fall planting began. Haying active as weather permitted. Wheat harvest complete most areas; 5% crop High Plains remaining. Corn good progress all areas. Tasselling most fields High Plains. Hail damage reported three counties. Harvesting south delayed by rain. Sorghum planting virtually complete. Midge damage increased Blacklands; crop prospects reported good. Harvesting south halted by heavy rain. Rainfall aided cotton crop southern High Plains. Fields most areas look good. Increasing boll weevil activity Coastal Bend. Major crops percent planted sorghum 99, 1975 100, average 99, peanuts 97, ... 1975 100, average 99; Soybeans 98, 1975 100, average 98; Major crops percent harvested: Wheat 98; 1975 99, average 99; Oats 100; 1975 100, average 100; Barley 100; 1975 100, average 100; Sorghum 11, 1975 20, average 15; Corn 4, 1975 1, average 2.

Lower Rio Grande Valley: Rainfall delayed land preparation fall vegetables. Some citrus sprayed for rust mites. Laredo: Watermelon, cantaloup

harvest complete. Coastal Bend: Watermelon harvest complete. Eagle Pass: Watermelon, cantaloup harvest behind schedule. San Antonio-Winter Garden: Cantaloup, watermelon harvest stopped due wet conditions. Central: Tomatoes, bell pepper harvest active. Insects, disease present problems. East: Harvest tomatoes, peas, beans, squash continues, excess moisture, disease detrimental summer vegetables. North: Cantaloup, watermelon harvest to begin soon. Harvest peas, sweet corn, tomatoes continues. Potato harvest underway. Knox-Haskell: Potato harvest complete. High Plains: Harvest potatoes, cucumber. Onion harvest active. Trans-Pecos: Harvest squash, cabbage, onions continues. Insects, disease plague pecans along coast. Central Texas pecans looking good. Peaches harvest continues along Red River throughout East. Gillespie County movement from late season trees to begin soon.

Livestock generally good condition. Screwworms still reported most areas. Ticks continue northeast. Ranges High Plains need moisture. Pastures other areas improved rapidly response recent rain.

UTAH: Isolated afternoon and evening showers and thunderstorms over and near mountains. Accumulated amounts moisture generally light. Average temperatures ranged from normal to 8° above. Maximum temperatures warmest to date.

Winter wheat ripening most areas. Some harvesting underway--bulk harvest in 7 to 10 days. Yield prospects for winter wheat, corn, and potatoes poor to fair in central Utah where mid-June frosts caused damages. Prospects good northern Utah. Sweet cherry production good to excellent. Soil moisture ranges and pasture short to very short. Range feed variable from poor to good.

VIRGINIA: Temperatures averaged 5° below normal. Extremes: 91 and 41°. Showers, thunderstorms occurring in week. Rainfall averaged 0.75 inch. Fieldwork: 4.9 days suitable. Topsoil moisture: 63% adequate, 34% short, 3% surplus. General crop conditions improved. Corn 32% silked, ranging 4% west to 84% southeast. Soybean planting continues. Peanut cultivation, spraying active. Flue-cured tobacco first harvest started. Other types good. Wheat harvest 83% complete. Barley near end at 94%. Oats 84% harvested. Haying active but slowed by weather. Pastures improved. Peach harvest begun. Potato harvest Eastern Shore continues. Tomato, cucumber, snap bean harvest beginning.

WASHINGTON: West: Temperatures near normal. Precipitation near normal northeast Olympics/San Juan; much above normal elsewhere. Pastures green growing well. Hay wet drying difficult. Corn slow. Strawberry harvest continues with good yields. Raspberry harvest starting. Cranberries full bloom. Green peas look good. Blocking cauliflower. Roguing spinach. Spring barley heading with some lodged. Potato fields spotty, some seed rot. Christmas tree growth good. East: Temperatures near normal. Palouse/Blue region; 2° subnormal elsewhere. Precipitation near normal Okanogan/Big Bend area to 0.10 in. above normal

elsewhere. Cherry harvest in full swing, rain caused splitting in some areas, increased size in others. Green pea harvest 75% complete. Spraying cereal crops for aphids throughout State. Second cutting alfalfa underway. Haying slowed by rains. Apples and pears doing well. Grain crops filling well. Sweet onion harvest 33% complete. Pastures and ranges improved. Swathing bluegrass, some lodging problems.

WEST VIRGINIA: Temperatures below normal. High 89°, low 37°. Precipitation below normal, except northeast. Showered across State Wednesday and Thursday.

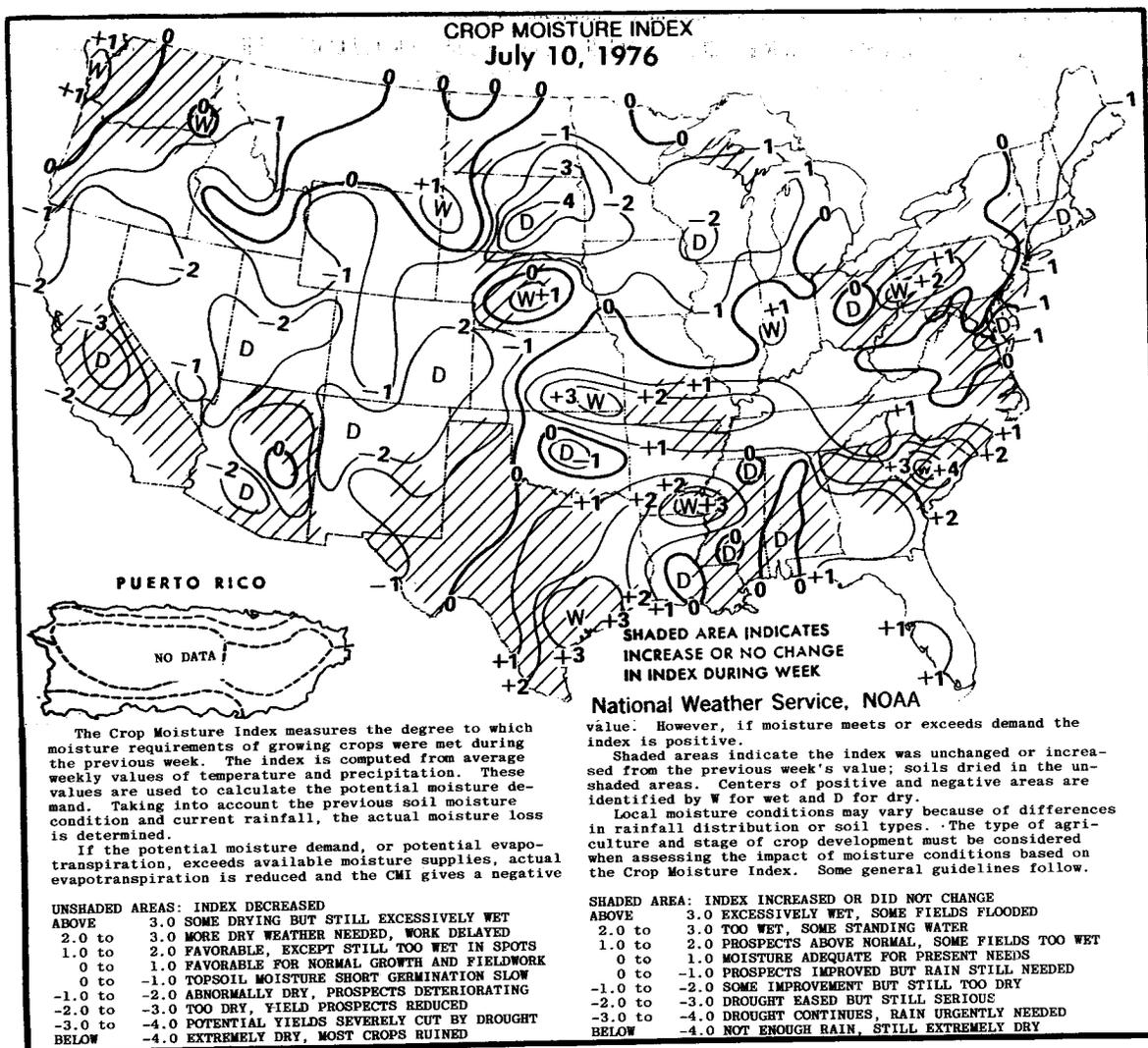
Soil moisture 14% surplus, 67% adequate, 19% short. Fieldwork: 3.5 days suitable. Hay and small grain harvest most active.

Crop condition fair to good. Small grains harvested: Barley 54%, 1975 55%; wheat 14%, 1975, 16%; Oats 5%, 1975, 11%. First hay cutting 77% complete, 1975, 82%. Corn progressed well; 33% fair, 65% good, 2% excellent. Tobacco 71% fair, 29% good. Pastures mostly fair to good. Irish potatoes 6% poor, 27% fair, 61% good, 6% excellent. Livestock good condition.

WISCONSIN: Temperatures averaged 5° above normal. Record high readings in lower 100's south 11th. Rainfall light and scattered north and west 6th and 7th, few isolated showers north weekend. Amounts less than 0.50 in. except heavier western locations 6th.

Crops continue under severe moisture stress. Corn on sandy or light soils hurt beyond recovery. Late planted and weedy corn having tough time competing for available moisture. Early corn over 5 ft. and tasseling but at critical moisture period now. Corn height averages 37 in., 1975 43 in., normal 30 in. Prospects poor for oats and small grains except winter wheat and rye. Oats 95% headed, 1975 85%, normal 90%. Straw short and kernels not filled well. First crop hay harvest ending north. Second crop harvest underway on early cut fields. Growth fair on early cut first crop but late cut field showing little regrowth. Pastures very poor. Soybeans hurting for rain. Early set tobacco has good start, some replanting done on late tobacco. Cherries have smaller size due to dry weather. Pea crop below normal. Early sweet corn in silk but under moisture stress. Irrigation being used extensively on potatoes and vegetables but non-irrigated acreage in poor condition. Soil moisture supplies 96% short, 4% adequate.

WYOMING: Little to no rainfall reported - deficit of 0.10 to 0.50 in. Temperatures to 9° above normal. Maxima upper 80's and low 90's southwest corner and 90's and some 100's elsewhere. Major activity: Haying. Alfalfa first cutting 49% complete, other hay 14% complete. Soil moisture down. Topsoil: short 40%, adequate 60%. Winter wheat 60% turned color, 19% mature, combining has started. Spring wheat 81% headed, barley 80% headed, oats 60% headed. Condition all crops is good.



World Weather and Crop Update

(As of July 13)

Temperatures moderated but drought held on over much of western Europe. Light rains dampened Paris, while a good thunderstorm soaked the Brussels vicinity. No significant rain fell in southern England, northern France, the Netherlands, or West Germany. Central Spain, the Pyrenees, and Europe's Alpine region received important showers. Tours and Limoges in France picked up over 1/2 inch. Showers extended into northwest Italy, but were sparse in most of the Po Valley.

Showers eased dry conditions from Berlin eastward with particularly good amounts in parts of Poland. Substantial rains fell in Baltic and Belorussia regions of the USSR, where it had become quite dry. Showers fell over the European USSR except in southern portions. Generous July rains, exceeding 2 inches in spots, further improved crop conditions in much of the Urals. Useful rains also fell throughout much of West Siberia and Kazakhstan (almost 3 inches at Kustanay). Amounts were light, however, in parts of northeast Kazakh-

stan and the Altai Kray of Siberia.

Shower activity diminished on the Canadian Prairies in early July after a wet June. Rainfall since April 1 exceeded normal in most of Saskatchewan but Alberta and Manitoba have a few spots in need of moisture.

Early July rains were spotty in the People's Republic of China (PRC) but tended to be heavy in most of the important North China Plain. Peking received almost 2 inches. Elsewhere, amounts were mostly below normal.

India's monsoon grew active again. Because of its previous poor performance, however, moisture remained short in the east Gangetic Plain and much of the southern areas.

The Australia drought remained about unchanged, although light showers eased dryness in winter grain regions. Significant rains were confined to Sydney and vicinity.

Argentina and Brazil were cold and dry. Conditions in Brazil caused the possibility of some freeze damage to grain in Rio Grande du Sol.



FIRST CLASS MAIL

Record Corn Crop Seen for 1976

The latest review of 1976 crop prospects pointed to a record corn crop, but indicated below 1975 levels for all other feed grains.

The 1976 corn crop was forecast at a record 6,553 million bushels, based on conditions of July 1, according to USDA's Crop Reporting Board. This 14% larger than the 1975 crop and 41% above the short 1974 crop.

Much of the Nation's corn crop was in good to excellent condition at the end of June and growing conditions were favorable. Soil moisture varied from short to adequate; most Corn Belt States need more rain soon to maintain crop development.

Prospects for the 1976 winter wheat harvest improved during June. Production was forecast at 1,530 million bushels, 8% above last month's forecast but 7% below 1975.

State	CORN FOR GRAIN	
	1975	1976 ^{1/}
	---in 1000 bushels---	
Ill.	1,242,360	1,264,400
Ind.	551,740	643,750
Iowa	1,091,700	1,326,000
Kans.	137,760	166,250
Mich.	152,800	160,000
Minn.	407,400	439,200
Mo.	170,100	244,800
Nebr.	503,200	551,800
Ohio	321,080	358,800
Wisc.	198,370	212,500
U. S.	5,766,991	6,552,665

^{1/}As of July 1, 1976

