

Weekly Weather & Crop Bulletin

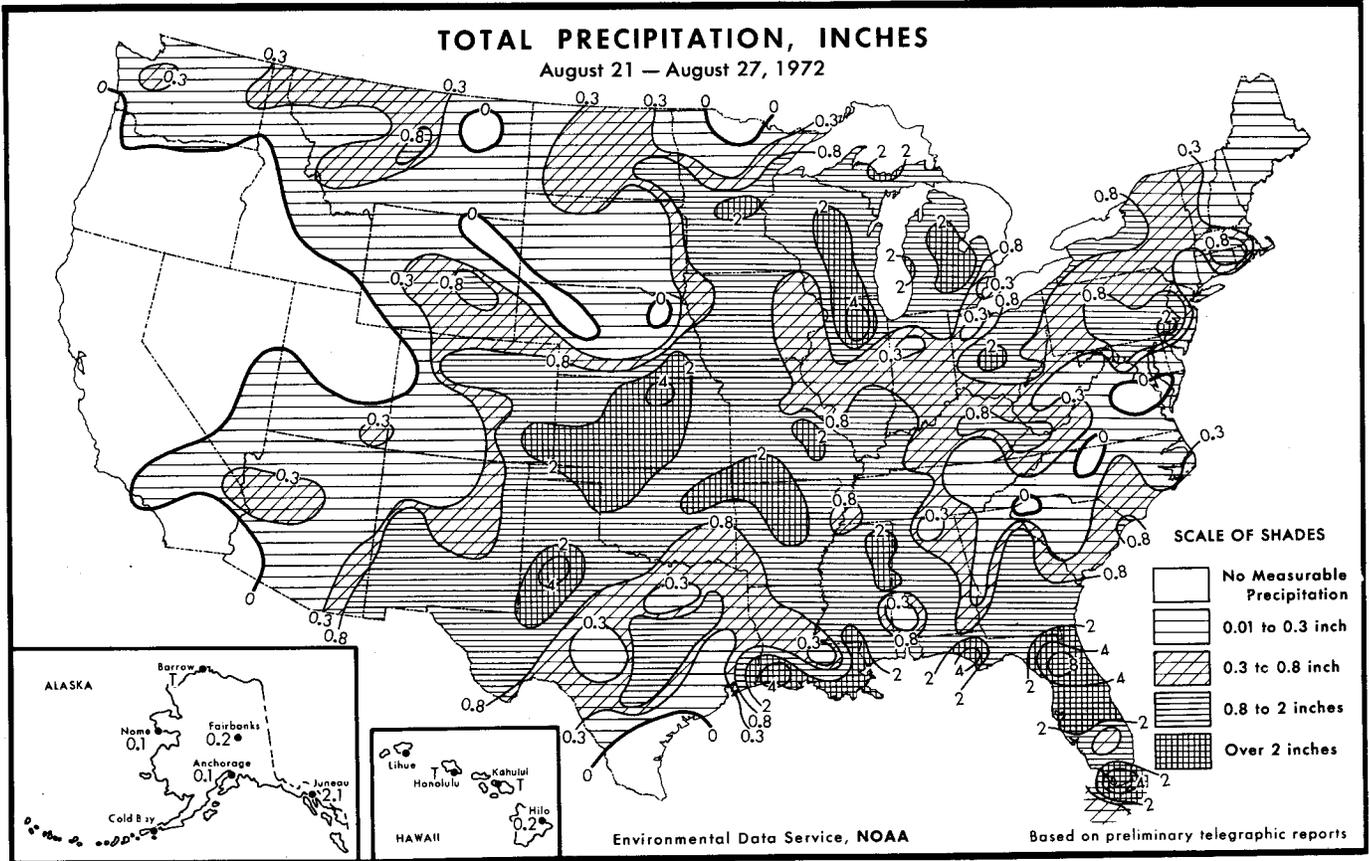
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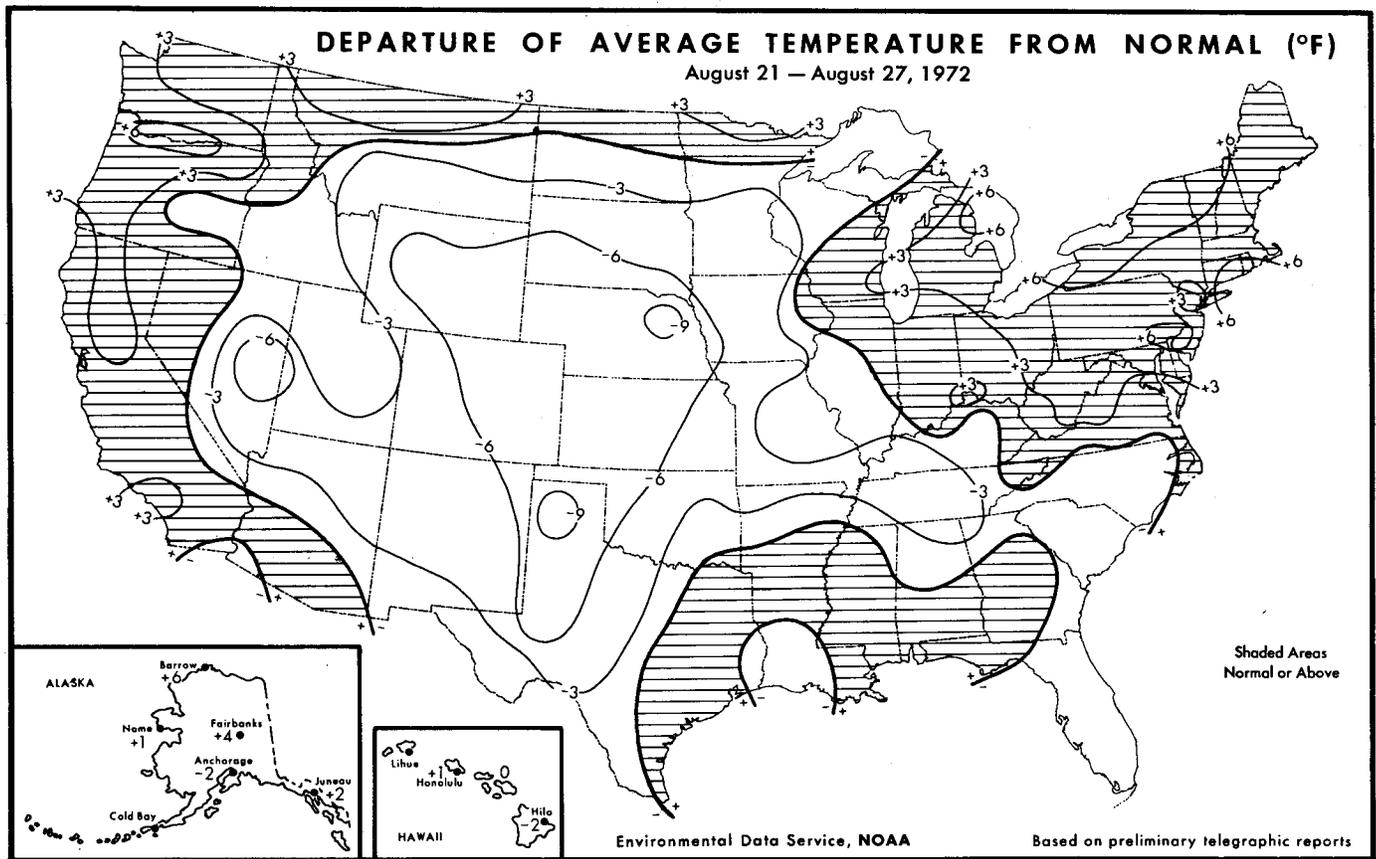
NATIONAL WEATHER SUMMARY

HIGHLIGHTS: Summer weather prevailed over the northeast. Parts of the central Great Plains averaged 15° or more cooler than the previous week. Precipitation ranged from none in the northern portions of the Great Basin to 2.00 inches or more in spots in the central and southern Great Plains and to 4.00 inches or more in some Florida localities.

PRECIPITATION: A cold dry air mass pushed into the northern Great Plains early in the week. Showers and some locally severe thunderstorms occurred along the leading edge of the cold air. One of these dumped 1.30 inches of rain at St. Cloud, Minn., in 18 minutes Monday evening. At such intensity, rain does not fall as drops but as streams. Such downpours are called "cloudbursts." In general, light to heavy showers fell over a wide band in the vicinity of

the cold front which marked the leading edge of the air dividing it from the hot humid air which the cold dry air was replacing. Air mass thunder showers popped up in the warm moist air that covered the large area extending from the southern Great Plains to New England. Light showers also spotted the northern and central Rocky Mountains and the western edge of the central Great Plains. Generous showers fell over the eastern two-thirds of Kansas, western Missouri, southeastern Nebraska and southwestern Iowa Thursday evening.

The weekend brought widely scattered showers from southern California across the southern Rocky Mountains, the southern Great Plains, and the Deep South to the Atlantic Ocean; also, from Minnesota and Iowa to southern New England. Amounts ranged widely from light sprinkles to an inch or more. Gainesville, Fla., received



9.61 inches in the 72-hour period ending Sunday morning. Most of the Great Basin received no rain during the week.

TEMPERATURE: Cooler drier air spread into the northern Great Plains and upper Mississippi River Valley early in the week. The temperature at Jamestown, N. Dak., dropped from 92° Sunday to 64° Monday morning and climbed only to 68° Monday afternoon. Minneapolis, Minn., registered 97° Sunday afternoon but only 63° Tuesday. By midweek, the comfortable temperatures had spread southward to the central Great Plains and eastward to the Upper Great Lakes. North Platte, Nebr., recorded 41° Wednesday morning. Autumn weather was also noted in the high Rockies. Big Piney, Wyo., registered 30° and Leadville, Colo., 31° Tuesday morning. The Far Southwest continued hot with afternoon temperatures climbing above 100° on most days. Blythe, Calif., registered 116° Tuesday afternoon. Early-morning temperatures in the Desert Southwest were generally near 80°. Temperatures in the Far Northwest ranged from the 60's in the

morning to the 70's and 80's on most afternoons. Central and eastern Oklahoma and nearby parts of adjoining States warmed to 100° or higher Monday afternoon but only to the 80's on Tuesday. The Deep South continued in the 90's on most afternoons. The mercury reached the 80's from the Lower Great Lakes to the Middle Atlantic States on most afternoons. The high relative humidity over the South and East added to the discomfort caused by the warm temperatures.

The warm weather continued over the Northeast over the weekend. Summer heat returned to the Northwest. The Dalles, Oreg., registered 103° Sunday afternoon. The northern Great Plains also warmed with afternoon temperatures near 90° Sunday, 92° at Bismarck and Williston, N. Dak.

Temperatures averaged above normal along the Pacific Coast, the Canadian Border from Washington to Lake Superior, and from Indiana to New England. Temperatures were mostly below normal elsewhere. Much of the central Great Plains averaged 6° to 9° below normal.

L. W. Dye

(Continued from page 3)

PASTURES AND LIVESTOCK: Pastures in the Eastern half of the Nation are holding up well for grazing with recent showers improving prospects in many areas. Ranges in the Pacific-Northwest and much of Texas are greening from showers. Ranges remain very dry in California, Nevada and Utah while Rocky Mountain ranges improved. Hog cholera has struck in Kentucky and a quarantine is in effect.

Arlon M. Scott
Agricultural Statistician

NATIONAL AGRICULTURAL SUMMARY

AGRICULTURAL HIGHLIGHTS: Rains benefited corn and soybeans in western Corn Belt. * Showers aided soybeans in the south. * Wet weather slowed north-central vegetable harvest.

SMALL GRAINS: Rainy weather delayed small grains harvesting in Montana and from Minnesota east to Michigan, while Washington and North Dakota farmers made good progress under favorable conditions. Winter wheat harvest has advanced to the final stages in Washington, but is only 65 percent complete in Montana. North Dakota's winter wheat crop is about 50 percent complete. Oats harvesting is far behind schedule throughout the Northern Great Lakes States because of too much cloudy, rainy weather and wet, weedy fields. Minnesota has 67 percent harvested compared to an average of 86 percent. Only about one-half the oat crop is combined in Wisconsin and Michigan.

In other areas of the Nation, plowing for fall-sown small grain crops is actively underway. Seeding of winter wheat started on a small scale in extreme western Kansas and in Oklahoma.

CORN: Favorable weather prevailed throughout Corn Belt maintaining excellent growing conditions for the Nation's corn crop. Cooler temperatures and plentiful rains over the western Corn Belt greatly benefited the crop and replenished top-soil moisture becoming short in Nebraska and Missouri. Scattered rains from frequent thunderstorms continued eastward across the major corn-producing States with temperatures increasing to above normal readings in the extreme eastern Corn Belt. The Illinois corn crop improved somewhat with 90 percent in good to excellent condition. Almost all of Iowa's corn is in that category. About 80 percent of the corn in Iowa is now in the dough stage compared to 85 percent last year, while corn in Illinois reached 85 percent in dough stage. The percentage of corn acreage having dented kernels advanced throughout the Corn Belt with Iowa at 40 percent, Illinois at 45 percent, Indiana at 30 percent. Most of the corn crop continues to mature at a slightly slower pace than a year ago. Corn development in Wisconsin is the latest since 1967.

The Southern corn crop is maturing with prospects varying from fair to excellent. Corn harvest is underway in southern areas of the Gulf Coast States and is starting to move northward.

COTTON: Thundershowers hampered cotton harvesting in Texas, however, progress was good with 12 percent harvested compared to 8 percent a year ago. Most of the deep south received badly needed scattered showers, but amounts were variable and prospects generally declined. Cotton is beginning to open from the Bootheel of Missouri to Louisiana and eastward to Georgia. The first bales of the season were ginned in Arkansas and Louisiana. Spraying to protect late fruit from boll weevils and bollworms is at a peak in these States now. Boll weevil infestation is severe in some North Carolina fields and is increasing in Tennessee. California cotton is maturing normally. Arizona's crop is generally good and is getting favorable weather for maturing and opening. Some early fields are being defoliated in Yuma County.

SOYBEANS: Scattered showers varying from light to locally heavy amounts covered most of the Nation's soybean producing areas. The additional moisture was especially helpful to soybean fields becoming very dry in scattered areas throughout

the South. Prospects remain good to excellent for northern soybean States. Almost all of the Iowa crop is in good to excellent condition and 94 percent of the Illinois soybean acreage is rated the same. Most of the northern crop is maturing behind schedule. Nearly all of the soybeans have podded in Illinois. The Iowa crop is 88 percent podded, while only 72 percent of Indiana's soybeans have set pods compared with 85 percent last year. Leaves are turning yellow on about 10 percent of the plants in Iowa, Illinois, Missouri and Minnesota--slower than a year ago.

Early soybeans in Arkansas continue to bloom and set pods. Prospects there range from poor to good depending on soil moisture. A few early fields in northeastern Louisiana were combined, but general harvest is several weeks off. Some plants in Mississippi are beginning to shed leaves due to lack of soil moisture.

OTHER CROPS: Sorghum harvest is progressing well in Texas with 40 percent harvested compared to 41 percent last year. A few early fields were cut in Oklahoma where about 20 percent is mature. Tobacco marketing is active in Georgia. South Carolina harvest is about complete. Four flue-cured markets opened in Virginia where quality is very good and prices are well above last year. Burley harvest is active in North Carolina and Kentucky, just starting in Virginia. Peanut harvest in Texas reached 22 percent complete. Georgia prospects are fair to good with 12 percent dug. North Carolina peanuts are in good condition. The first diggings occurred in several Alabama counties. Potato harvest in Idaho is in full swing in southwestern counties. Early dying of vines are occurring in many fields in eastern counties. The Aroostook, Maine crop is making good progress. Sweetpotato digging is active in central Louisiana and harvest in Mississippi is progressing favorably. Dryland harvest is underway in central and east Texas. Sugar beet harvest continues in California and the Colorado crop is excellent, but wet fields are delaying harvest. Rice in Texas is 88 percent harvested on the first cutting. Combining in Louisiana is 60 percent complete, just starting in Arkansas. Colorado dry beans are 14 percent cut and 2 percent threshed. Texas pecan prospects remain good except in the south central area where trees are being hit by walnut caterpillars.

FRUITS AND NUTS: Apple and peach picking is increasing in northern orchards. Picking continues in California. Harvest of a good pear crop in New York is underway. In Washington, fireblight flared again in Lower Yakima River Valley pear orchards. New crop citrus made good growth in Arizona, Texas and Florida. Papershell almonds harvesting is well underway in California and grape harvesting is also increasing there.

VEGETABLES: Summer vegetables actively moved to market from Maryland to New England. Orange County, N. Y. onion harvest progressed rapidly. Wisconsin and Michigan vegetable harvest proceeded at a slow pace due to wet fields and late maturing crops. Harvest of truck crops continued active in the Pacific-Northwest and at a seasonally light pace in California and Texas. Planting of fall vegetables increased from Arizona to Florida.

(Continued on page 2)

Temperature and Precipitation Data for the Week Ending Midnight, L.s.t., AUGUST 27, 1972

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure*	Total	Departure*		Average	Departure*	Total	Departure*		Average	Departure*	Total	Departure*
ALA. Birmingham . . .	79	- 2	1.7	+ .7	New Orleans . . .	82	0	2.8	+1.6	OKLA. Okla. City . . .	77	- 5	1.3	+ .6
Mobile . . .	82	0	.9	- .3	Shreveport . . .	84	0	.8	+ .3	Tulsa . . .	79	- 2	2.7	+1.9
Montgomery . . .	82	+ 1	1.9	+1.1	MAINE. Caribou . . .	65	+ 4	3.4	+2.6	OREG. Astoria . . .	66	+ 5	T	- .4
ALASKA. Anchorage . . .	53	- 2	1.1	- .5	Portland . . .	69	+ 4	.2	- .4	Burns . . .	65	- 1	0	- .1
Barrow . . .	43	+ 6	T	- .2	MD. Baltimore . . .	78	+ 4	1.1	- .1	Medford . . .	73	+ 3	0	- .1
Fairbanks . . .	56	+ 4	2.2	- .2	MASS. Boston . . .	75	+ 5	.2	- .7	Pendleton . . .	76	+ 6	T	- .1
Juneau . . .	55	+ 2	2.1	+ .9	Chatham . . .	69	- 1	.2	- .7	Portland . . .	73	+ 7	.1	- .1
Nome . . .	49	+ 1	.3	- .8	MICH. Alpena . . .	69	+ 6	1.7	+1.0	Salem . . .	71	+ 5	T	- .1
ARIZ. Flagstaff . . .	61	- 2	.3	- .3	Detroit . . .	73	+ 3	1.1	- .6	PA. Allentown . . .	76	+ 5	1.8	+ .9
Phoenix . . .	89	+ 2	.2	- .1	Flint . . .	72	+ 5	2.5	+1.8	Erie . . .	72	+ 6	1.1	+ .4
Tucson . . .	84	+ 1	T	- .6	Grand Rapids . . .	73	+ 3	1.4	+ .7	Harrisburg . . .	79	+ 6	1.8	+1.0
Winslow . . .	74	- 3	.2	- .1	Houghton Lake . . .	69	+ 4	2.8	+2.2	Philadelphia . . .	80	+ 7	3.7	+2.6
Yuma . . .	90	- 1	0	- .1	Lansing . . .	72	+ 3	2.1	+1.4	Pittsburgh . . .	75	+ 5	.5	- .2
ARK. Fort Smith . . .	79	- 3	.8	+ .1	Marquette . . .	61	- 3	2.6	+2.0	Scranton . . .	75	+ 6	.5	- .3
Little Rock . . .	81	0	2.4	+1.8	Muskegon . . .	72	+ 3	2.8	+2.1	R.I. Providence . . .	75	+ 6	.9	0
CALIF. Bakersfield . . .	83	+ 2	0	0	S. Ste. Marie . . .	65	+ 2	1.1	+ .4	S.C. Charleston . . .	79	- 1	.8	- .5
Eureka . . .	59	+ 2	0	0	MINN. Duluth . . .	60	- 1	1.2	+ .3	Columbia . . .	79	- 1	.1	-1.1
Fresno . . .	79	+ 1	0	0	Internatl Falls . . .	65	+ 4	0	- .8	Greenville . . .	76	- 2	T	-1.0
Los Angeles . . .	78	+ 5	T	0	Minneapolis . . .	64	- 4	1.6	+ .8	S. DAK. Aberdeen . . .	66	- 4	.1	- .4
Red Bluff . . .	85	+ 5	0	0	Rochester . . .	64	- 4	1.6	+ .7	Huron . . .	66	- 5	.1	- .3
San Diego . . .	72	0	T	0	St. Cloud . . .	63	- 4	3.4	+2.6	Rapid City . . .	63	- 7	T	- .4
San Francisco . . .	65	+ 2	0	0	MISS. Jackson . . .	83	+ 2	1.5	+ .9	Sioux Falls . . .	65	- 6	.5	- .3
Stockton . . .	79	+ 3	0	0	Meridian . . .	82	+ 1	T	- .7	TENN. Chattanooga . . .	75	- 4	.3	- .5
COLO. Denver . . .	64	- 7	1.6	+1.3	MO. Columbia . . .	75	0	.3	- .6	Knoxville . . .	77	0	.1	- .6
Grand Junction . . .	72	- 3	T	- .3	Kansas City . . .	74	- 4	1.4	+ .4	Memphis . . .	80	0	.6	0
Pueblo . . .	69	- 4	.2	- .2	St. Louis . . .	75	- 1	.3	- .5	Nashville . . .	79	0	1.4	+ .9
CONN. Bridgeport . . .	77	+ 6	T	-1.0	Springfield . . .	74	- 3	2.4	+1.6	TEX. Abilene . . .	78	- 5	.5	+ .2
Hartford . . .	76	+ 6	1.1	+ .2	MONT. Billings . . .	66	- 4	.1	- .1	Amarillo . . .	70	- 9	1.1	+ .5
D.C. Washington . . .	79	+ 3	.2	-1.0	Glasgow . . .	69	+ 3	0	- .3	Austin . . .	84	0	1.5	+1.1
FLA. Apalachicola . . .	81	0	1.0	- .9	Great Falls . . .	68	+ 3	.2	- .1	Beaumont . . .	81	- 1	4.3	+3.0
Ft. Myers . . .	81	- 2	7.4	+5.7	Havre . . .	72	+ 7	.7	+ .5	Brownsville . . .	84	0	0	- .7
Jacksonville . . .	79	- 3	2.9	+1.3	Helena . . .	62	- 3	.7	+ .5	Corpus Christi . . .	85	+ 1	0	- .6
Key West . . .	84	0	5.9	- .6	Kalspell . . .	66	+ 4	.4	+ .1	Dallas . . .	85	+ 1	.3	- .2
Lakeland . . .	79	- 3	2.6	+1.0	Miles City . . .	68	- 3	T	- .3	Del Rio . . .	82	- 3	.5	0
Miami . . .	81	- 2	1.8	+ .1	Missoula . . .	64	+ 1	T	- .2	El Paso . . .	78	- 2	1.9	+1.6
Orlando . . .	80	- 3	3.6	+2.1	NEBR. Grand Island . . .	66	- 8	T	- .6	Fort Worth . . .	84	- 1	.2	- .2
Tallahassee . . .	82	+ 1	1.9	+ .4	Lincoln . . .	69	- 7	2.1	+1.3	Galveston . . .	85	+ 2	T	-1.1
Tampa . . .	80	- 2	3.3	+1.4	Norfolk . . .	65	- 9	T	- .6	Houston . . .	82	0	.1	- .8
GA. Atlanta . . .	78	0	T	- .8	North Platte . . .	64	- 7	T	- .5	Lubbock . . .	73	- 6	4.3	+3.9
Augusta . . .	80	0	.1	- .7	Omaha . . .	66	- 7	1.7	+ .8	Midland . . .	75	- 7	2.2	+1.8
Macon . . .	81	0	1.2	+ .3	Valentine . . .	64	- 7	T	- .5	San Angelo . . .	81	- 4	T	- .3
Savannah . . .	79	- 2	1.0	- .6	NEV. Ely . . .	59	- 6	T	- .1	San Antonio . . .	83	0	1.1	+ .6
HAWAII. Hilo . . .	75	- 2	.2	-2.3	Las Vegas . . .	83	- 3	.1	0	Victoria . . .	85	+ 2	T	- .7
Honolulu . . .	81	+ 1	T	- .2	Reno . . .	65	+ 1	0	0	Waco . . .	85	0	.7	+ .3
Kahului . . .	79	0	T	0	Winnemucca . . .	68	+ 2	0	0	Wichita Falls . . .	80	- 5	.9	+ .5
Lihue . . .	---	---	---	---	N.H. Concord . . .	70	+ 4	1.1	+ .4	UTAH. Blanding . . .	66	- 3	.3	0
IDAHO. Boise . . .	71	0	0	- .1	N.J. Atlantic City . . .	77	+ 4	.1	- .9	Salt Lake City . . .	71	- 2	T	- .2
Lewiston . . .	73	+ 3	T	- .1	Trenton . . .	79	+ 6	1.1	0	VT. Burlington . . .	72	+ 7	.4	- .3
Pocatello . . .	66	- 2	0	- .2	N.MEX. Albuquerque . . .	71	- 4	.7	+ .4	VA. Lynchburg . . .	77	+ 3	T	-1.0
ILL. Cairo . . .	77	- 3	1.2	+ .4	Roswell . . .	---	---	---	---	Norfolk . . .	78	0	.2	-1.1
Chicago . . .	75	+ 2	3.1	+2.3	N.Y. Albany . . .	73	+ 4	.4	- .3	Richmond . . .	77	+ 2	T	-1.1
Moline . . .	73	0	1.7	+ .9	Binghamton . . .	71	+ 5	.9	+ .1	Roanoke . . .	75	0	.7	- .2
Peoria . . .	72	- 1	1.9	+1.2	Buffalo . . .	73	+ 6	1.3	+ .6	WASH. Colville . . .	67	+ 2	.2	0
Rockford . . .	72	+ 1	4.7	+3.8	New York . . .	76	+ 2	.2	- .9	Omak . . .	69	+ 2	.1	0
Springfield . . .	73	- 1	4.7	+ .1	Rochester . . .	76	+ 7	.9	+ .3	Quillayute . . .	63	+ 4	.1	- .5
IND. Evansville . . .	74	- 3	1.3	+ .6	Syracuse . . .	75	+ 6	1.2	+ .5	Seattle-Tacoma . . .	67	+ 3	.3	0
Fort Wayne . . .	74	+ 2	.9	+ .2	N.C. Asheville . . .	73	0	.3	- .5	Spokane . . .	69	+ 2	.3	+ .2
Indianapolis . . .	75	+ 2	.4	- .3	Charlotte . . .	78	- 1	T	- .9	Walla Walla . . .	75	+ 2	.1	0
South Bend . . .	72	+ 1	1.5	+ .7	Greensboro . . .	76	0	T	- .9	Yakima . . .	72	+ 5	.1	0
IOWA. Burlington . . .	71	- 3	.5	- .3	Hatteras . . .	79	+ 2	.7	- .4	W.VA. Beckley . . .	72	+ 3	.5	- .4
Des Moines . . .	69	- 4	1.3	+ .3	Raleigh . . .	76	- 1	.3	- .8	Charleston . . .	75	+ 1	.1	- .6
Dubuque . . .	71	+ 2	.7	- .2	Wilmington . . .	79	0	.4	-1.2	Huntington . . .	75	+ 2	.8	+ .1
Sioux City . . .	67	- 6	.4	- .2	N.DAK. Bismarck . . .	65	- 3	.3	- .1	Parkersburg . . .	78	+ 4	1.4	+ .6
KANS. Concordia . . .	70	- 8	4.2	+3.5	Fargo . . .	67	- 1	1.0	+ .3	WIS. Green Bay . . .	69	+ 1	1.7	+1.0
Dodge City . . .	71	- 7	2.8	+2.3	Williston . . .	67	0	.3	0	La Crosse . . .	68	+ 2	2.1	+1.2
Godland . . .	65	- 8	1.1	+ .6	OHIO. Akron-Canton . . .	74	+ 3	1.3	+ .6	Madison . . .	69	+ 1	2.8	+2.0
Topeka . . .	73	- 4	1.6	+ .6	Cincinnati . . .	77	+ 4	.6	- .1	Milwaukee . . .	70	+ 3	1.8	+1.0
Wichita . . .	75	- 6	2.3	+1.7	Cleveland . . .	74	+ 4	1.9	+1.1	WYO. Casper . . .	62	- 7	.9	+ .8
KY. Lexington . . .	74	- 1	1.2	+ .5	Columbus . . .	74	+ 2	2.3	+1.7	Cheyenne . . .	58	- 8	.7	+ .4
Louisville . . .	77	+ 2	.8	- .1	Dayton . . .	75	+ 2	1.9	+1.3	Lander . . .	60	- 8	.4	+ .3
LA. Baton Rouge . . .	84	+ 1	.3	-1.0	Toledo . . .	73	+ 3	.6	- .2	Sheridan . . .	64	- 4	T	- .2
Lake Charles . . .	81	- 1	4.5	+3.5	Youngstown . . .	73	+ 4	.4	- .3	P.R. San Juan . . .	83	+ 2	.9	- .5

* Departures are from 30-year means (1931-60). Based on preliminary reports

CONDENSED STATE SUMMARIES

These summaries provide brief descriptions of condition and activities important on a national scale. Detailed reports of crop and weather conditions during the growing season are contained in State issues of Weekly Weather and Crop Bulletins published by field offices of the Statistical Reporting Service, U.S.D.A. in cooperation with NOAA Climatologists.

ALABAMA: Several periods of showers during week but main activity early in week and again at end of week. Several amounts in excess of 2.00 inches south Saturday. Some areas received no rain. Temperatures 1° or 2° above normal most of week but slightly cooler drier air overspread State Sunday. Extremes: 98° at Dothan to 57° at Huntsville. Crop prospects declined though scattered rains provided much-needed moisture many localities. Cotton opening many fields central and southern counties and few fields north Alabama. First bales ginned in several additional counties. Most corn dented and about 2/5 mature. Harvest for grain underway many fields in south and central. About 3/4 soybeans setting pods. Moisture especially needed during this stage of development. Rains aided peanuts in few localities, but general rain needed to "finish" crop failed to materialize. First diggings several counties with about 1,000 tons inspected. Sizeable amount of fair and good quality hay saved. Grazing short in pastures needing rain. Livestock remained fair to good.

ALASKA: Rain all days Kenai Peninsula with heaviest amounts early in week and about midweek. Precipitation other areas also early in week but then reflected periods of dry weather. Only Homer is close to normal totals. Temperatures warmer than normal with mean temperatures in some areas averaging 5° above normal. Low readings are beginning to dip into the 30's, with Clearwater reporting the only freezing temperatures with a low of 21°. Soil moisture mostly adequate. Second cutting of hay underway in Tanana Valley and Matanuska Valley. Kenai Peninsula farmers trying to complete first cutting under rainy conditions. Potato harvest started in Tanana Valley with tubers good size, but light set and yields below average. Grain harvest to begin after Labor Day.

ARIZONA: Temperatures near or slightly below normal most sections of State this week. Skies clear early in week but scattered afternoon and evening showers developed most sections on 25th, 26th, and 27th. Weekly precipitation totals below normal at most stations. Cotton crop generally good with no unusual problems. Favorable weather for maturing and opening. Some early fields being defoliated, Yuma County. Sorghum developing rapidly all stages. Some harvest Yuma and Pima Counties. Alfalfa seed harvest in progress Yuma County. Alfalfa hay harvest continues. Lettuce making good progress Pima and Pinal Counties. Few fields up to stand. Fall cantaloupes good growth in Yuma area. New crop citrus continued good growth in Yuma, Salt River Valley areas. Harvest lemons expected to start this week, Yuma areas. Ranges continue poor to fair most areas. Northern and eastern ranges higher elevations received moisture. Southern and western ranges relatively dry. Stockwater varies short to adequate. Cattle and calves excellent some higher elevations, fair to good other areas. Sheep and lambs mostly fair.

ARKANSAS: Numerous showers over State Wednesday to Saturday. Precipitation amounts ranged from a trace at Morrilton in central Arkansas to 3.13 inches at Gilbert in north-central Arkansas. Most stations reported between 1.00 inch to 2.50

inches. Hot weather with temperatures between 98° and 105° early portion of week, cooled to near or a little below normal by late in week. Mean temperatures ranged from 2° above normal at a number of stations in north and central Arkansas to 4° below normal at Fayetteville in northwest Arkansas. The warmest temperature, 105°, at Morrilton and Ozark on August 21. Coolest temperature 49° at Calico Rock in north-central Arkansas on August 28. Showers and cooler temperatures brought some relief from dry weather. Soil moisture situation still spotty and general rain needed most areas. Crop prospects remain mostly fair to good. Cotton maturing and about 5% bolls open. No picking of consequence, but first bale of season ginned. Much needed poisoning underway to protect late fruit from weevils and worms. Rice harvest nears with few early fields combined. Additional fields being drained. Soybeans poor to good depending on soil moisture. Showers very helpful but more rain needed many areas. Early soybeans continue to bloom and set pods. Growth slow most late acreage. Grain harvest for corn and sorghums beginning. Prospective yields mostly fair to good. Hay harvest continued with yields short most central and western areas. Apple and grape harvest active. Melon harvest rapidly being completed. Peak okra harvest over but heavy marketing continued. Pastures still short most State, but livestock generally fair to good. Feeding and increased marketing few driest counties.

CALIFORNIA: Warm South Coast coupled with high winds due to thunderstorm activity hindered curtailment of brush fire Los Padres National Forest. Average temperatures ranged 5° below normal in San Joaquin Valley to 7° above normal South Coast. Precipitation around Clear Lake with amounts of 0.02 inch. Harvest continues safflower, alfalfa, sugarbeets, seed crops. Cotton, rice maturity normal. Picking red delicious apples slow Sebastopol, Watsonville. Grape harvest increasing San Joaquin Valley. Harvesting grapes fresh market continues: Tokays, Thompson major varieties. Zante currants, Thompson continue laid raisins. Thompson, Tokays continue harvested wineries, few early varieties wine grape picked crushing. Late varieties freestone peaches, nectaines, plums continue shipped, volume continues decrease. Harvesting clingstone peaches active, expect decrease, major varieties picked. Harvesting pears Lake, Mendocino, Placer, El Dorado continues. Harvest papershell almonds well underway all districts, walnut harvest expected start few weeks. Prune harvest over 50% complete. Some dehydrators early districts finished. Valencia orange harvest continues moderate. Picking lemons, avocados light. Grapefruit normal levels. Broccoli, cauliflower seasonally light, Salinas and Santa Maria. Firebaugh cantaloupe 3/4 completed. Carrot continues central coast, southern California. Sweet corn active, San Francisco Bay area, southern California. Honeydew harvest declining Sacramento and San Joaquin Valleys. Lettuce supplies heavier Salinas and Santa Maria. Onions continue, mostly dehydrators. Bell peppers active San Joaquin, increasing Salinas. Sweet potatoes active Merced, Modesto. Potatoes active,

favorable markets. Market tomatoes southern California continue. Processing tomatoes active Sacramento Valley, northern parts of San Joaquin Valley. Good yield and quality. Some water-melons Bakersfield area. Warm temperatures, dry winds hasten grass maturity. Fire danger increasing. Large brush fire Los Padres National Forest now burning. Movement stock off summer ranges expected 3 to 4 weeks earlier. Hay supplies drawn on heavily. Water supplies remain low, but generally adequate. No carryover dry grass anticipated. Cattle gains off, moved feed-lots lighter weights. Egg, milk output levels near normal. Bees pollinating cotton San Joaquin Valley.

COLORADO: Temperatures averaged 1° to 8° below normal over all of State. Heavy showers extreme eastern Plains and northeast corner caused local flooding. Moderate to light showers elsewhere. First significant snowfall of season blanketed higher peaks, especially along front range. Short to adequate topsoil moisture eastern Plains. Topsoil moisture short to very short western areas. Winter wheat seeding 6% complete, 2% emerged. Crop growth and development progressed rapidly. Corn 94% silk, 58% dough, 23% dented. Corn silage harvest underway. Sorghum 89% headed, 35% turning color, 2% ripe. Limited forage acreage harvested. Sugar beets excellent. Wet fields delayed harvest many areas. Oat harvest complete except for scattered fields western slope. Spring barley harvest complete eastern areas, 2/3 complete San Luis Valley and northwest. Dry beans 14% cut, 2% threshed. Late summer potato harvest 52% complete. Harvest 2d cutting alfalfa virtually complete--third crop 29% cut. Ranges and pastures fair. Livestock good.

FLORIDA: Weak frontal system midweek brought overcast skies with widespread showers and thunderstorms. Temperatures averaged 2° below normal as daily highs in upper 90's were replaced by temperatures in low and mid-80's latter part of week. Rainfall averaged 2.00 to 4.00 inches throughout State except for 0.50 inch in Keys. Gainesville led State with 10.90 inches of rain. Corn harvest continues. Peanut harvest started prematurely due dry weather; yields light. Haying continues. Soybeans responding favorably recent rains. Grasses making excellent growth. Considerable surplus grass available for hay. Livestock good, marketings moderate. Citrus trees excellent condition. Rains providing adequate moisture. New crop fruit making good progress. Planting of fall bush beans, sweet corn, celery, cucumbers, eggplant, peppers, tomatoes active in south. Early-planted fields progressing well. Water supplies adequate.

GEORGIA: Scattered showers and thundershowers continued during week with heaviest amounts previously dry southern sections. Showers locally heavy few places. Albany had 3.61 inches in about an hour and at least 2 other observers measured over 3.00 inches for 24 hours. Many areas scattered throughout State still dry. Temperatures about seasonal with little day-to-day change. Highs mostly upper 80's to low 90's and lows mid-60's to low 70's, except slightly cooler in mountains. Averages near normal most areas but ranged from slightly above normal southwest to slightly below normal southeast. Soil moisture extremely varied and spotty over State, ranging from very short to adequate. Main farm activities haying, cutting silage, application of insect and disease control measures, marketing of tobacco, harvest of peanuts,

peaches, vegetables, apples, tobacco, some corn and cotton. Peaches and tobacco nearing completion. Some land preparation for seeding winter pastures where soil moisture adequate. Condition of corn, cotton, peanuts, and soybeans fair to mostly good. Some corn and cotton harvested, peanuts 12% dug. Condition of cattle and pasture good.

HAWAII: Weather clear and warm--favorable all farming operations. Heavy irrigation in progress all areas. Insects and diseases increasing and control measures intensified. Harvesting sugarcane and pineapples on schedule. Banana harvesting increasing seasonally but papayas light. Ample vegetables, but watermelon production down trend. Cattle in fair to good condition. Pastures favorable but moisture needed lowland areas.

IDAHO: Temperatures averaged near normal with no large ranges. Thundershowers midweek accounted for scattered areas of above-normal precipitation north. Isolated areas received above normal rain central mountains. Scattered light amounts east and mostly none elsewhere. Harvesting major activity on most Idaho farms. Rains in north halted or delayed harvesting. Small grain harvest made little progress north because of weather, but was in final stages rest of State. Potato harvest in full swing southwest counties and was just getting underway south-central. There was early dying of vines in many fields in eastern counties. Sweet corn harvest made rapid progress. Early prune harvest complete, late prune picking getting underway. Peach harvest taking place along with some early apples and pears. Cooler temperatures eased irrigation water demands.

ILLINOIS: Temperatures averaged near normal over northern half of State to a little below normal over southern half. Rain throughout State with weekly totals greater than 3.00 inches common especially in northern 1/3 where a number of locations received over 4.00 inches of precipitation. Over 85% corn in dough stage, slightly over 45% dented. Condition good to excellent 90% same as year earlier. Soybeans virtually all set pods, nearly 10% turning yellow--normal progress. Condition 94% good to excellent--year earlier 90%. Alfalfa hay 2d crop virtually all cut, 3d crop 25% cut. Rain hindered harvest. Condition mostly good to excellent. Plowing for wheat 55% complete. Pastures improving. Soil moisture 11% short, 71% adequate, and 18% surplus. Average 4 days suitable for fieldwork.

INDIANA: Hot and humid until cooler and less humid over weekend. Temperatures declined from 90's in south on 21st to 58° on 28th. Precipitation general but amounts from 0.20 to 1.50 inches coming first part of week. Least rain in southeast in recent weeks. Five days suitable for fieldwork. Topsoil and subsoil short to mostly adequate. Plowing week behind 1971 at 50% done, but 40% average. Corn maturing week behind 1971 and average. Corn 30% dented but 25% not yet in dough. Soybeans 2 weeks behind 1971 with 75% podded and 5% turning yellow. Last year soybeans 85% podded and 15% turning yellow. Apples 15% picked, 20% average. Pastures mostly fair to good.

IOWA: Corn and soybean crops mostly excellent. Weeds causing concern in soybean fields. Corn crop condition 73% excellent, 26% good and 1%

fair. Eighty percent of corn in or past dough stage with 40% in or past dent stage; slightly behind last year. Soybean crop condition 56% excellent, 43% good, 1% fair. Eighty-eight percent soybeans setting pods, last year 92%, 5-year average 90%. Slightly less than 10% soybeans with leaves turning or more advanced. Second cutting clover hay 80% complete; 3d cutting alfalfa hay 40% complete. Hay crop condition mostly good to excellent. Pastures condition mostly good to excellent, still above average. Topsoil moisture 80% adequate, 11% short and 9% surplus. Days suitable for fieldwork 5 1/2.

KANSAS: Wet and cool. Significant rains all areas. Generally 0.75 to 2.50 inches. Few spots south-west and north-central had over 6.00 inches; local flash flooding those areas. Heaviest was 6.80 inches in Elkhart in southwest. Weekly mean temperatures averaged much below seasonal. Hot eastern Kansas 21st; otherwise, maxima mostly 70's and 80's. Minima generally 50's and 60's. Row crops benefited greatly from extensive rains. Corn 15% mature compared 22% last year, average 31%. Corn 84% dough stage compared 85% average and 51% dented compared average 55%. Sorghum acreage 81% heading, 83% last year, average 78%. Sorghums turning 21%, 24% last year, 26% average. Soybeans setting pods 82%, last year 86%, average 80%. Wheat seedbed preparation active all areas with ample moisture for fall planting. Seeding started small scale extreme western border. Alfalfa 3d cutting 75% harvested, 79% year ago, average 78%. New alfalfa seeding underway. Pasture and range feeds helped by rains. Cattle marketings increasing seasonally, but lower prices slowed some sales.

KENTUCKY: Temperatures averaged near to about 3° above normal. Rainfall spotty; totals 0.14 inch to about 2.00 inches. Warm and humid until cooler and somewhat less humid last day. Scattered thundershowers 1 or more areas first 6 days. Mostly cloudy 2 days. Crops good to excellent. Fieldwork averaged 5 days. Soil moisture adequate to short; shortest northern and central counties. Burley tobacco 9% cut, 14% remains to be topped. Dark types 8% cut, slightly behind schedule. Corn maturing on schedule, 86% in dough or dent stage, very little mention of leaf blight. Some silage being cut. Soybeans maturing slightly ahead last year, 74% podded. Fall plowing begun. Seeding of legumes begun. Pastures continue to supply adequate forage. Cattle excellent. Hog cholera has struck and Kentucky under quarantine with no movement any swine allowed.

LOUISIANA: Scattered thundershowers across State most days. Rainfall totals continued highly variable with weekly amounts from less than 0.25 inch to more than 4.00 inches. Temperatures continued near normal with southwest and central mostly below normal and other sections slightly above normal. Temperature extremes: 100° at Minden Tuesday and Ashland Wednesday and 65° at Bogalosa Thursday. Greatest 1-day total, 2.82 inches measured at Lake Charles this morning. Rain delayed fieldwork in western and south-central parishes. Insect controls at peak for cotton and soybeans. Fall land preparation active. Rice harvest about 60% complete. Sweet potato digging continued with Arnaudville finishing harvest and Oak Grove just starting. Sweet potato digging active areas of central Louisiana that received rain. Several parishes report ginning first bale of cotton. A few early fields of soybeans northeast Louisiana have been combined, but general harvest 2 to 3 weeks off. Soybeans northeast need rain. Snap

bean planting getting underway southeast. Cabage planting active St. James and St. Johns Parishes. Pastures above normal in northeast, southeast and south-central parishes.

MARYLAND AND DELAWARE: Temperatures, above normal last 5 days, averaged 2° to 4° above normal except near normal in south. Extremes mostly upper 80's to mid-90's, 50's. Until 27th, little or no rainfall except for showers western Maryland giving only light amounts and for widely scattered showers elsewhere. Cold front on 27th and 28th accompanied by many showers and thunderstorms gave totals up to 1.50 inches across 2-State area. Wilmington National Weather Service station reported only 0.25 inch for August through 28th. Soils dry most areas. Crop development varies widely, average progress about 1 week late. Late-seeded soybeans urgently need rain. Harvest of early corn starting. Tobacco cutting lagging as producers wait for added growth on late plantings. Late cuttings of hay light, but good quality. Vegetable and fruit harvest continues, growers irrigating to maintain prospects.

MICHIGAN: Heavy rains dominated weather over State with over 2.00 inches in central portion of both Peninsulas. Isolated areas reported as much as 5.00 inches east of Muskegon. Temperatures continued hot and humid Lower Michigan with ranges of 5° above normal in north and east to 2° above normal in south. Upper Peninsula ranged from 3° above normal in east while cooler air moved into north and west, lowering the temperatures to 4° below normal. Most crops continued to advance slowly toward maturity. Little progress with fieldwork--State averaged only 2.1 days suitable. Soil moisture surplus most areas. Wet fields and frequent rain delaying completion small grain harvest. Oats 58% harvested. Corn and soybean growth good, but advancing slowly toward maturity. About 13% corn dented compared with 37% last year. About 6% soybeans turning color compared with 21% last year. Sugar beets and late potatoes continue to develop well. Considerable amount hay lost from wet weather. About 60% 2d cutting hay harvested. Pasture feed supplies above average. Tart cherry harvest about finished. Fall and winter apples sizing well. Peach, pear, and plum harvest active. Vegetable harvest proceeding at slow pace because of wet fields and late maturity.

MINNESOTA: Temperatures 4° above normal in north to 4° below normal in south. Extremes: 90°, 36°. Rainy week in southern 2/3 of State and northeast district with near 1.00 inch or more of rainfall. Southeastern counties and from St. Cloud toward northeast, many areas had more than 2.00 inches of rainfall. It continues very dry in northwest. Cool wet weather slowed small grain harvest. Corn and soybeans good to excellent south, fair to good north. Few dry areas in south and reported heat damage from above-normal temperatures. Topsoil moisture short to adequate south. Adequate to surplus rest of district except northern northwest district which is very short. Corn in dough stage 60%, normal 47%. Corn denting 14%, normal 14%. Soybeans turning 12%, normal 22%. Percent small grains combined: Spring wheat 49, normal 63; oats 67, normal 86; barley 70, normal 85; winter wheat 96, normal 96; rye 92, normal 98; flax 20, normal 38.

MISSISSIPPI: Temperatures averaged from normal to 3° above normal over most of State. Extremes:

101° on 21st at Merrill and 65° at several locations. Thundershowers on 1 or 2 days at most stations with no significant severe weather. Greatest 1-day rainfall, 2.34 inches on 24th at Port Gibson. Over weekend: Temperatures slightly cooler and Holly Spring reported a low of 56° this Monday morning; some thunderstorms on 1 or 2 days in southern midsection of State. Soil moisture reserves ranged from very short to mostly short all but northeastern counties. Conditions of crops eased downward, but remained fair to good. Average 6 days suitable for fieldwork. Sweet potatoes, hay, corn, and sorghum harvest progressing favorably. Soybeans beginning to shed leaves and some cotton open, but acreage small and harvest not yet begun.

MISSOURI: Week started very hot, with temperatures near or above 100°. By midweek, temperatures dropped below seasonal and for week averaged near normal. Rainfall plentiful all but middle of State, where rainfall amounts were only about 0.30 inch. In north, amounts averaged over 1.00 inch, while in Ozarks, in excess of 2.00 inches. Five days suitable for fieldwork. Corn fair to good, 70% dented, 80% year ago. Soybeans fair to good, 81% setting pods, 9% turning color compared to 85% setting pods, 14% turning color last year. Grain sorghum 90% headed, 15% matured, about 1 week behind last year. Cotton 39% opening bolls, slightly behind year ago. Third cutting alfalfa 78% completed, nearly 1 week behind 1971. Pastures good northwest and Bootheel. Mostly fair elsewhere. Soil moisture 51% short, 46% adequate, 3% surplus.

MONTANA: Temperatures averaged from 4° below normal Southern Plains to 7° above normal North-Central Plains. Showers all of State except southeast portion first of week. Hot and dry all State latter part of week. Grain harvest slowed by rain most of week except southeast, and gained momentum with dry weather over weekend. Winter wheat 65% harvested. Barley 40% harvested, 40% ripe, 20% turning. Spring wheat 25% harvested, 35% ripe, 35% turning, 5% headed. Some grain sprouted in swath, discolored by rain. Haying hampered by rain; 2d cutting alfalfa 55% complete, wild hay 85% complete. Range grass good, stockwater supplies adequate. Cattle and sheep condition good. Little cattle movement from summer ranges.

NEBRASKA: Hot and dry weekend of 19th, with abnormally cool weather reported from 22d to 25th. Temperatures averaged 5° to 10° below normal. Dry weather remained over northern half of Nebraska while beneficial rains fell over much of southern Nebraska. Significant rain, totalling more than 1.00 inch locally in southern Panhandle and southwest 23d, 24th, and in southeast 24th and 25th. Dry and warmer weather Statewide on weekend. Topsoil moisture supplies replenished many areas. Crop prospects remain good to excellent. Corn maturity advanced to 35% dented. Sorghum heads turning color, on 30% of acreage. Soybean development progressed. Dry bean growers started harvesting. Sugar beets making very good growth. About 65% 3d crop alfalfa harvested. Farmers working on fall seedbeds. Some Legumes and rye planted. Livestock condition improved with cooler temperatures.

NEVADA: Temperatures 3° below in extreme South, near normal elsewhere. Light to moderate precipitation in south-central and extreme south from trace at Tonopah to 0.50 inch at Logandale. None in north. Small grain and hay harvest nearing completion. Alfalfa seed harvest getting

underway in major seed-producing areas. Ranges remain dry and in need of moisture. Cattle and sheep generally good. Stockwater short to adequate.

NEW ENGLAND: Hot, becoming humid also by mid-week. Means averaged mostly 5° to 8° above normal. Quite dry with only a few widely scattered showers until more general rain on 27th and 28th. Rainfall extremely variable, from less than 0.10 inch to over 2.00 inches, and in northeastern Maine to over 3.00 inches. Good week for putting hay in the barn. Corn for silage making good progress. Aroostook, Maine, potato crop making good progress. Picking early apples and peaches started. Demand good for all seasonal vegetable crops.

NEW JERSEY: After 4 straight weeks of cool dry weather, the past week was hot and reasonably wet. Temperatures over State averaged from 3° to 7° above normal with readings ranging from upper 40's to upper 90's. Rainfall averaged about 0.70 inch except along coast where average was only 0.40 inch. Station totals varied from zero at downtown Atlantic City to 2.16 inches at Newark. Most of the rain came in showers on evening of 26th but there were a few showers overnight on 27th and 28th. Heavy thunder storms on 26th caused considerable highway and street flooding and numerous electrical power outages due to lightning strikes, especially in southern counties. No deaths nor injuries reported. Weekend thundershowers have been beneficial to unirrigated crops. Most areas could use a good soaking rain. Fall lettuce being thinned. Tomatoes, corn, beans, peppers, squash, and eggplant are moving to market. White potato harvest about 50% complete. Sweet potato fields look good. Late-planted field corn and soybeans in poor condition, some fields burnt out by dry weather. Growers sowing alfalfa and plowing for fall grains where ground conditions permit.

NEW MEXICO: General showers over weekend with variable intensities. Totals from less than 0.25 inch to more than 2.00 inches in West and central and locally more than 3.00 inches at Tucumcari Airport. Cooler in East. Temperatures average near normal in southwest and 6° below normal in East. Warmer temperatures general early in week and coolest latter part of week. Soil moisture variable. Heavy rainfall damaged some crops. Planting winter wheat active. Alfalfa fair to good. Some damage by rain. Third, 4th and 5th cuttings underway. Cotton good condition. Harvesting corn silage active. Lettuce, potatoes, peanuts all fair to good. Broomcorn fair to good. Some damage by virus. Ranges fair to good. Livestock good.

NEW YORK: Warmest week since late July as warming trend on 22d continued above-normal temperatures through 27th. Maximums mid-80's to low 90's from 23d through weekend. Nights mild to very warm except on 21st when minimums in 40's interior Upstate. Precipitation very light extreme southeast for 6th week as accumulated shortage near 4.00 inches since July 15. Light to moderate showers latter half of week from Lake Erie to East-Central and Northeast. Totals mostly 0.40 to 0.80 inch. Some locally heavy thunderstorms Great Lakes to Mohawk Valley on 27th. Hot weather helped corn crop. Some early fields entering dent stage in southern tier. Oat harvest continues and over 1/2 completed. Dry beans fair, reaching maturity. Hay harvest continues 2d crop over 60% complete. Third cutting where growth allows. Pastures fair shape. Onion

harvest progressing rapidly Orange County while tops going down Central and Western New York. Celery harvest progressing Orange County and volume harvest is excellent quality in Wayne County. Potato fields dry Long Island, irrigation widespread. Yields on early varieties low and sizes small. Light digging of early potatoes in western New York. Sweet corn harvest active all areas. All areas harvesting summer variety apples. Mid-season variety peaches being picked. Harvest good pear crop underway with picking of Clapps favorite.

NORTH CAROLINA: Temperatures near normal, highs mostly 80's to mid-90's and lows mostly 60's. Widely scattered showers each day. Total amounts zero to 2.00 inches, averaging 0.50 inch. Soil moisture mostly short except mostly adequate southern Mountains and central coastal Plains. Crop conditions holding -- flue-cured tobacco, corn, peanuts, soybeans, hays, pastures, Irish and sweet potatoes mostly good. Cotton poor to good, mostly fair -- severe boll weevil infestation some fields. Apples good -- harvest major varieties. Burley tobacco mostly fair -- harvest active. Harvest early corn, sweetpotatoes, fall vegetables.

NORTH DAKOTA: Sunny except for showers first of week. Temperatures returned to near normal following hot spell. Warming trend on weekend with maximum temperatures near 90° Sunday. Rainfall mostly light but a few local areas in southeast received 1.00 to 4.00 inches. Combining made good progress latter part of week with about 1/3 hard wheat and 1/5 durum combining completed. Barley and oats combining about done. Moisture conditions and temperatures generally favorable for row crops. Pasture growth fair to good.

OHIO: Hot and humid with frequent thunderstorms. Minimum temperatures ranged from mid-50's to low 70's; maximum temperatures from upper 70's to lower 90's. Normal lows and highs ranged from about 58° to 64° and 80° to 86°, respectively. Large rainfall amounts some areas. Greatest amount at Columbus Airport where 7.62 inches fell on 23d. Ohio farmers limited by rain to 5 days favorable for fieldwork. Rain improved soil moisture supply; 28% surplus, 55% adequate and 17% short. Corn crop is 35% dented, but not hard, 5 percentage points behind average. About 5% of corn silage harvested. Soybean crop 60% pods set leaves green. Less than 5% has leaves turning yellow. Average maturity is 75% pod set leaves green and 10% leaves turning yellow. Most all 2d cutting alfalfa harvested and 20% 3d cutting done. Second cutting clover-timothy 3/4 complete. About 1/2 timothy seed harvested and 1/4 potato crop harvested. Tobacco acreage is 3/4 topped and less than 10% harvested. Fall plowing for winter wheat planting 40% complete.

OKLAHOMA: Precipitation ranged 0.50 inch southeast to 2.00 inches northeast. Temperatures ranged 1° below normal southeast to 6° below normal Panhandle. Crop conditions decreased slightly, but widespread shower activity helped improve soil moisture supplies most areas. Surface moisture 84% short, 16% adequate. Subsoil moisture 93% short. Last week's showers will give temporary relief, but condition of all row crops currently below last year. Corn 95% dough stage, nearly 1/2 mature--some harvesting southern part State. Sorghum grain nearly 3/4 dough, 1/5 mature, few early fields harvested. Nearly 9/10 cotton

crop setting bolls, some sluffing of fruit continues. Almost 9/10 peanut crop spiking, and 3/5 soybean crop setting pods. Some farmers cutting soybeans for hay due to drought. Small acreage wheat seeded. Most ranges and pastures dry and brown. Supplemental feeding continues several localities. Livestock holding up fairly well, most fair to good.

OREGON: Showers of preceding week continued into early part of this week, but temperatures returned to near normal. Little rain fell in extreme South-central and Southeast but elsewhere amounts ranged from 0.01 to 0.50 inch. Amounts variable nearly all areas due to showery conditions. Temperatures averaged 3° to 5° above normal on coast and 1° to 4° above normal elsewhere. Maxima 90° to 95° Eastern Oregon and Southwestern Valleys, 80° to 89° elsewhere in interior and 75° to 80° on coast. Minima in Eastern part 36° to 58°, 46° to 59° West of Cascades. Thunderstorms slowed harvest early part of period. Grain harvest nearly complete Western Oregon and Columbia Basin. Bent grass harvest 50% completed. Potato harvest continues at Hermiston and Ontario. Digging increasing Northern Willamette Valley. Klamath Falls area will start soon. Onion harvest underway and shipping active Salem and Ontario. Harvest of Bartlett pears and peaches continues. Early peaches nearly over. Mid-season and late peaches just starting. Ranges greening after thundershowers, but some supplemental feeding continues in Willamette Valley.

PENNSYLVANIA: Warm, humid week. Increasing heat and humidity with maxima in upper 80's to mid-90's by Friday. Cooler in west and north Sunday as cold front moved across State. Weekly temperatures 4° to 8° above normal. Isolated showers early in week, more numerous weekend. Weekly totals highly variable under 0.10 inch to over 3.50 inches. Spotty relief from current dry spell. Topsoil moisture supplies continue to decline, 3/4 short. All crops show effects of dry weather. Corn firing, 1/3 dough stage. Limited amount harvested for silage. Tobacco cutting getting underway. Crop development irregular. Mid-season peaches spot-picked, strong demand. Fall apples ripening, good size. Pastures brown. Green chop and hay helping to meet feed requirements. Hay regrowth slow, good curing weather.

PUERTO RICO: Rainfall averaged 1.40 inches or about 0.40 inch below normal. Heavy rainshowers eastern sections with highest weekly total 4.20 inches. Moderate showers western sections with highest weekly total of 3.23 inches. Little or no rain south-central coast. Agricultural drought easing all divisions except southern where moderate to severe drought conditions continued some local zones. Otherwise crop moisture conditions remained near normal all other divisions. Temperatures averaged 80° to 81° on coast and 75° to 76° interior divisions, with mean departure of 1.7° below normal in a downward temperature trend due increased rainfall activity most of Island.

SOUTH CAROLINA: Temperatures about normal with weekly averages ranging from 76° to 82°. Most areas rather dry with less than 0.50 inch of rain. A few locations in northeast and south had over 1.00 inch. Hilton head had 2.62 inches on 21st and 3.13 inches for week. Soil moisture short most areas. Tobacco 95% harvested, same as last year. Cotton fair to good--all squaring, 96% setting bolls. Last year all had set bolls, 6% open bolls. Corn good to excellent condition--94% in or past dough stage, 69% mature. Last year all plants in or past dough stage, 65% mature, 6% harvested.

Soybeans good to excellent--72% blooming, 42% setting pods, 3% leaves turning. Last year 93% blooming, 62% setting pods. Peanuts good to excellent--45% compared 28% last year. Lespedeza good to excellent. Peaches 97% harvest compared 98% last year. Grapes good--65% harvested, 77% last year. Watermelons 95% harvested, same last year. Planting fall vegetables Charleston-Beaufort area.

SOUTH DAKOTA: Temperatures averaged up to 9° below normal. Extremes ranged from 37° at Oral and Porcupine on 24th to 99° at Centerville on 21st. Showers and thundershowers scattered through week with totals ranging from a trace to about 1.50 inches. Heaviest amounts in northeast with lightest in lower elevations of west. Cool wet weather slowed completion small grain harvest and combining many areas. Cooler weather also slowed growth and development of row crops. Corn at 65% dough stage is 27 points below last year and 7 points below normal. Soybeans nearly all podded, about 9 points behind normal. Sorghum 83% headed compared with 100% last year and 100% average. Flax about 1/4 harvested compared with 69% last year and 60% normal. About 60% of flax acreage ripe, last year and normal both 100%. Early corn denting, but most corn will need from 3 to 6 weeks of frost-free growing weather to mature. Some Southern corn leaf blight reported in southeast with a few fields having severe infestation. Corn borer and root worm damage also reported in main corn growing areas. Topsoil and subsoil moisture becoming depleted many areas central and west. Fall plowing underway. Pastures need moisture and are maturing some areas, but still supplying excellent feed. Flies and pink eye still a problem. Grasshoppers numerous some areas.

TENNESSEE: Warm most of week turning cooler over weekend. Averages near normal for 2d consecutive week. Showers on 1 to 3 days latter half of period. Total amounts zero to 2.00 inches, mostly 0.25 to 0.75 inch. Tobacco, hay, and silage harvests are major farm activities. Fall plowing and seeding being done where soil moisture favorable. Soybeans making good progress, over 95% blooming and nearly 65% setting pods. Corn prospects promising. Development normal with 15% mature and nearly 95% dough and over 65% dented. Cotton development week behind normal progress with about 95% setting bolls. Boll weevil population increasing. Over 30% darkfired tobacco harvested and 35% burley harvested. Fall plowing is 50% complete. Pasture conditions above average. Lespedeza hay harvest over 45% complete. 4.7 days suitable for fieldwork. Soil moisture 64% adequate, 25% short, and 11% surplus.

TEXAS: Scattered showers, a few locally heavy, were numerous throughout week. Most substantial amounts fell on southern High Plains and in Hill Country west of San Antonio. A total of 4.70 inches at Tarpley and 4.68 inches at Utopia, Wednesday and 3.50 inches at Snyder Thursday caused minor flooding. Southern Texas and the Lower Valley were bypassed by the showers. Harvest activities of cotton making good progress throughout most of State, but hampered by thundershowers throughout harvest areas. Sorghum harvest making progress in east Texas and Blacklands, with delay due to wet fields and thundershowers. Rice harvest Upper Gulf Coast also hampered by wet fields. Corn and peanut harvest making good progress

south Texas. Major crops percent harvested:

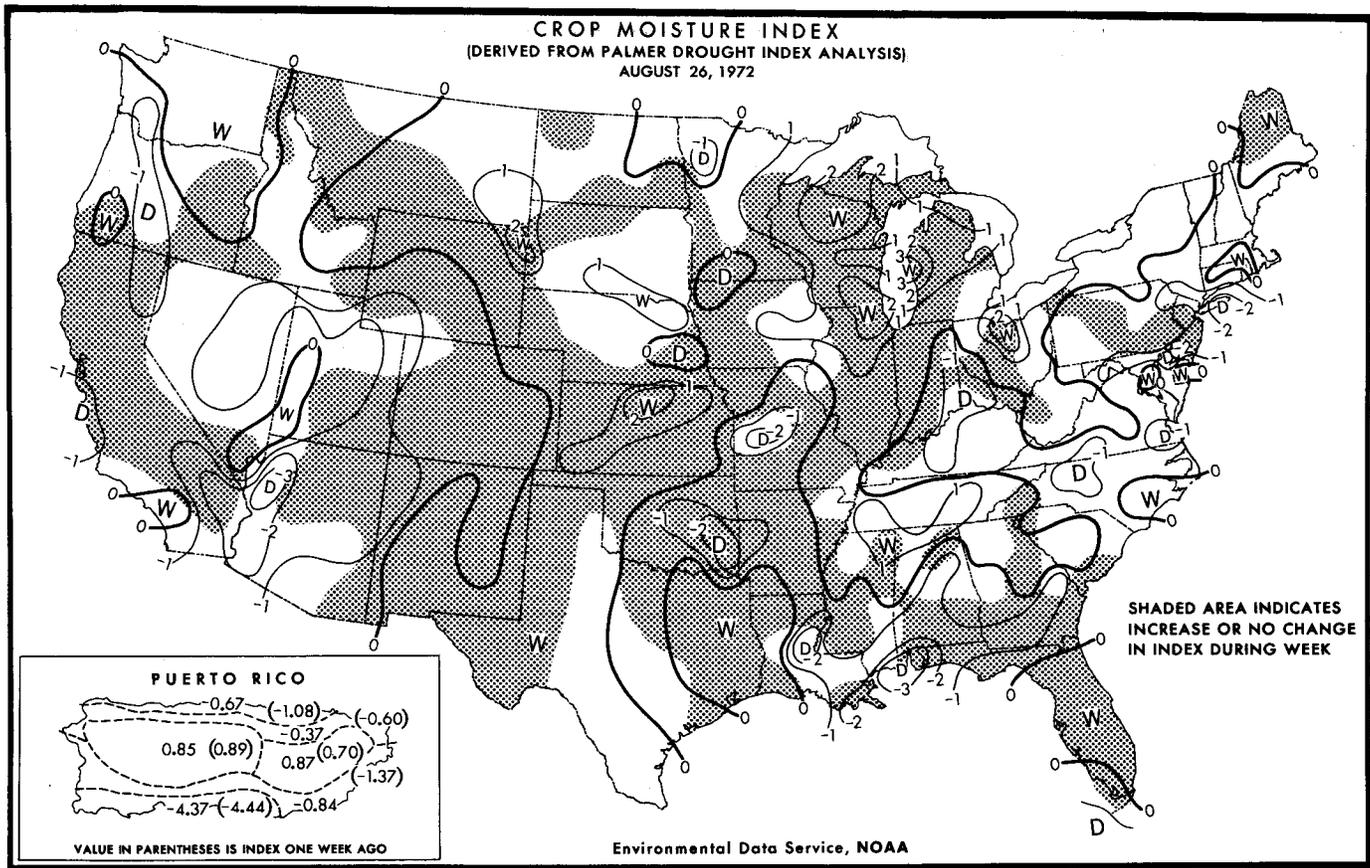
Cotton	12	A year ago	8
Sorghum	40	" "	41
Corn	33	" "	33
Peanuts	22	" "	7
Rice, 1st cutting	88	" "	84

In the High Plains, light supplies of potatoes remain available. Cucumber and green pepper picking continues. Watermelon harvest gaining momentum. Carrot digging active. In north Texas, watermelons and cantaloupes remain available in light supplies. In east and central Texas, harvest of dryland sweetpotatoes is underway with average yields. Irrigated crop outlook remains good. Some melons still available. In the Trans-Pecos, harvest of peppers and tomatoes is underway. In the Winter Garden-San Antonio area, land preparation and planting of fall vegetable continues. In Laredo, field setting of tomatoes and green peppers is complete. In the Lower Rio Grande Valley, seeding of fall vegetable continues. Peach harvest nearing completion. Pecan crop prospects remain good except in southcentral Texas where trees have been hit by walnut caterpillars. Citrus crop sizing well due to adequate moisture conditions. Some threat to crop from citrus blackfly which is spreading in Lower Valley. **Range and Livestock:** Range and pasture conditions over much of the State continue to improve as areas receive scattered rainfall. In northeast Texas, pastures continue to decline from dry conditions. Some supplemental feeding and water hauling necessary. The number of reported screwworm cases continue to increase. Fall shearing is making good progress on Edwards Plateau.

UTAH: A few isolated showers and thunderstorms early in period and more general precipitation over weekend. Accumulated amounts light to moderate. Drought conditions remain very serious. Soil moisture very short in south and short in north. Temperatures ranged 2° to 6° below normal most sections. Soil temperatures, at 4-inch depth, ranged from low 70's in Cache Valley, to mid-70's in Richfield, upper 70's in Salt Lake City and upper 80's in St. George. Utah farmers busy with completion of spring grain harvest and second crop alfalfa hay harvest, in some areas start of third crop alfalfa hay harvest. Dry bean harvest starts this week San Juan County. In Davis County, early potato harvest continues--dry onion lifting started. Picking of near failure peach and pear crop in progress. Harvest 1st crop alfalfa seed started August 15 - 2d seed crop harvest will begin about September 15. Sweet corn and snap bean harvest nearing completion. Tomato harvest about 15% completed. Ranges poor, feeding used. Fall and winter feed prospects grim--poor to nothing. Livestock some southwest areas may be moved out.

VIRGINIA: Temperatures below normal first half and near to above normal 2d half. Widely scattered showers and thundershowers mostly during 2d half. Fieldwork made good progress with generally clear skies. Crops grew and developed well. Topsoils becoming dry. Corn silage harvest active east of Mountains. Four flue-cured tobacco markets opened Tuesday. Quality very good and prices well above last year--43% harvested. Fire-cured 22% harvested. Cutting sun-cured and burley began. Haying in full swing. Pasture growth slowed but productive.

WASHINGTON: Western Washington: Average temperatures 2° above normal. Thunderstorms first of week. Precipitation varied from none to



INDEX DECREASED DURING WEEK
(Unshaded Areas)

INDEX INCREASED OR DID NOT CHANGE DURING WEEK
(Shaded areas)

INDEX

- 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 EXCEPTIONALLY DRY, MOST CROPS ABOUT RUINED

INDEX

- 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 NORMAL 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 EXCEPTIONALLY DRY.

0.70 inch. Harvesting truck crops continued. Green pea harvest completed. Blackberry picking started. Huckleberries close to picking and pears ready southeast. Eastern Washington: Average temperatures 2° above normal. Scattered showers and thunderstorms. Precipitation none to 0.50 inch. Range livestock look good. Harvesting, weeding, and seeding main activities dryland areas north. Most summer fallow land has good moisture content. Few winter wheat fields need reseeding due to soil crusting. Harvesting of mint, beans, and silage started in Columbia Basin as potato digging and hay cutting continued. Firelight flared again in lower Yakima pear orchards. Bartletts done that area as Danjous started. Most dryland grains harvested except for Spokane and Stevens Counties. Flow of grain to shipping terminals heavier than usual as prices held strong.

WEST VIRGINIA: Scattered cold frontal thunderstorms August 26 to 27 were heaviest in eastern Panhandle where over 3.50 inches fell. Warm and humid from midweek until Sunday. Soil moisture mostly adequate. About 5 days suitable for fieldwork. Oats harvest active with 87% combined. Second cutting hay 55% completed. Tobacco crop progressing well with 84% topped. Pastures and hay mostly good condition. Potatoes 29% harvested. Corn maturing rapidly.

WISCONSIN: Very cloudy and rainy across entire State most of week. Heavy rains several days, especially in south Friday and northeast Saturday. Streams and lake levels running very high for August with a little overflow here and there. Very poor harvest weather for oats and hay. Less than 1/2 oats combined. Poorest combining in years. Fields very weedy and overripe--usually



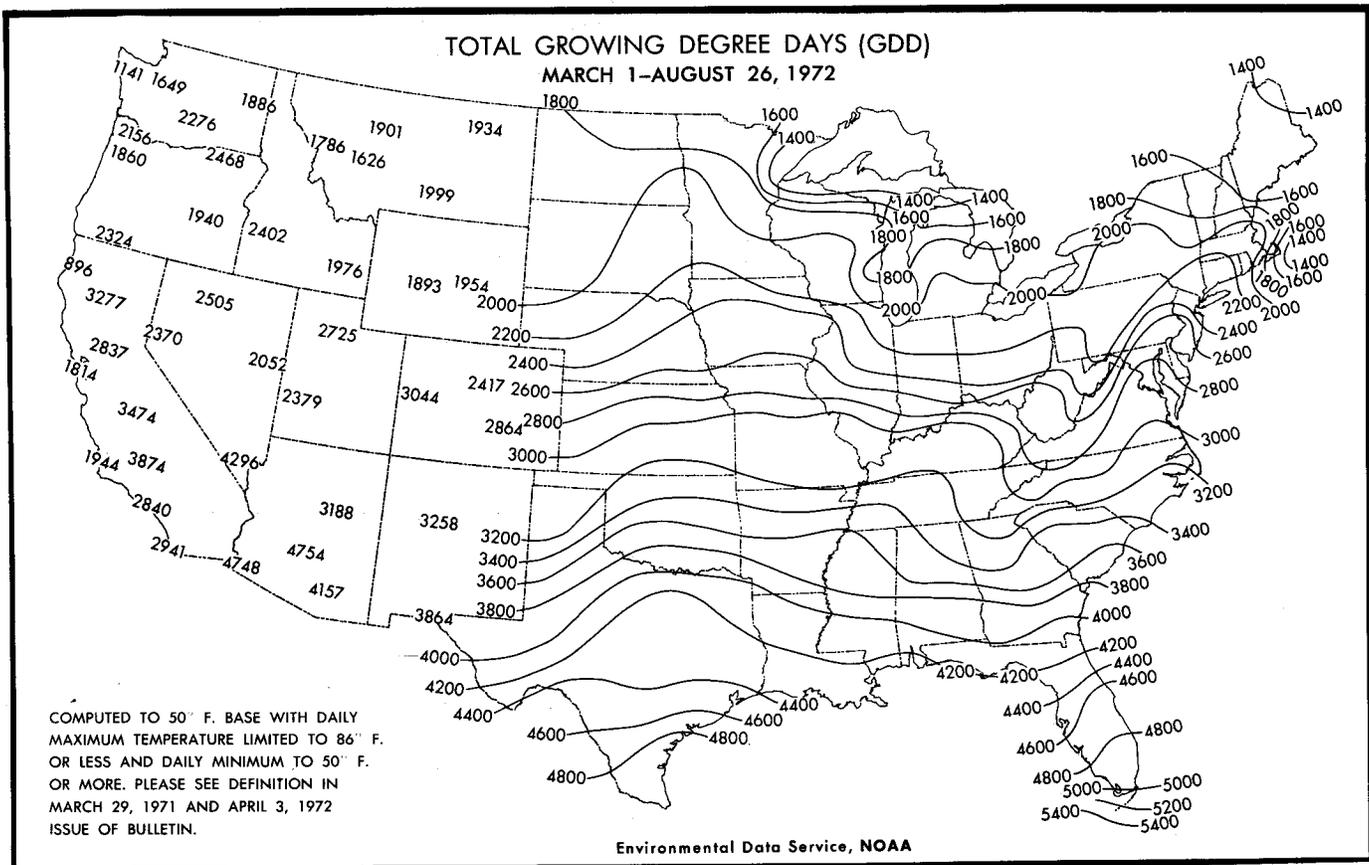
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flattened to ground by rain and wind. Many fields abandoned. Second crop hay about 1/2 harvested. Much hay spoiling in fields after very meager first cutting. Growth 3d crop excellent where 2d is removed. Corn good to excellent, but running behind in maturity. Only about 1/2 in dough, latest since 1967. Soybeans show excellent plant growth. Tobacco looks good though some plants pushed over in windy thunderstorms--a little harvesting begun. Early apples picked. Vegetable harvest delayed by wet weather. Some sweet corn fields abandoned. Pastures green and productive with milk production at high levels. Soil moisture 30% adequate and 70% surplus.

WYOMING: Light to heavy showers statewide. Douglas reported most moisture with 2.75 inches. Temperatures averaged 2° to 8° below normal. Maxima mostly 75° to 85° west of Divide, 80's to low 90's east. Minima mostly high 20's and 30's west of Divide and Upper Platte Drainage, 40's elsewhere. Temperature extremes: 93° at Lagrange and 26° at Foxpark and Bondurant. Chief agricultural activities included harvesting hays and grains, seedbed preparation for winter wheat, and some contracting of livestock. Harvest of barley, oats, and spring wheat moved ahead rapidly. Winter wheat sowing not yet begun. Second cutting alfalfa harvest nearing completion some areas. Surface moisture short to adequate with conditions improving greatly. About 1/4 of calves and 1/5 lambs contracted for fall delivery.