

Weekly Weather & Crop Bulletin

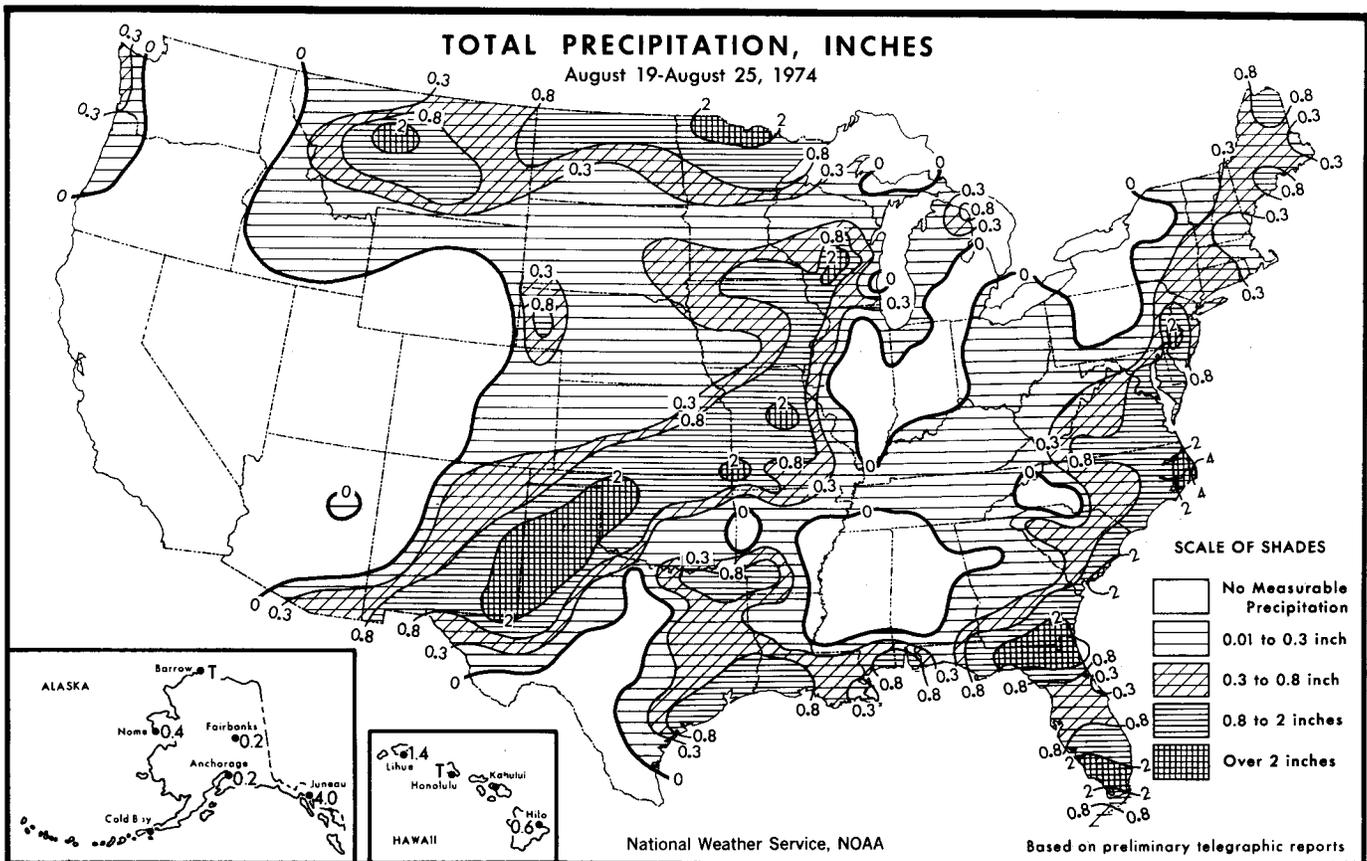
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NATIONAL WEATHER SUMMARY

Highlights: Good rains fell in scattered sections of the Nation last week. Warm moist Gulf air triggered considerable precipitation from northwestern Texas, northward to eastern Iowa. Both Lubbock and Amarillo, Tex., reported 3.91 in. of precipitation.

Except for eastern Iowa and nearly all of Missouri, the Corn Belt received little or no precipitation.

Temperatures were near normal for late summer areas most of the Nation last week.

PRECIPITATION: Showers and thundershowers were reported in many areas. Rains averaging 1.00 to 2.00 in. were recorded from Texas northeastward to south central Wisconsin. In the West, Montana received some much needed precipitation, with Great Falls reporting 2.00 in. for the week.

Elsewhere, precipitation fell along the extreme

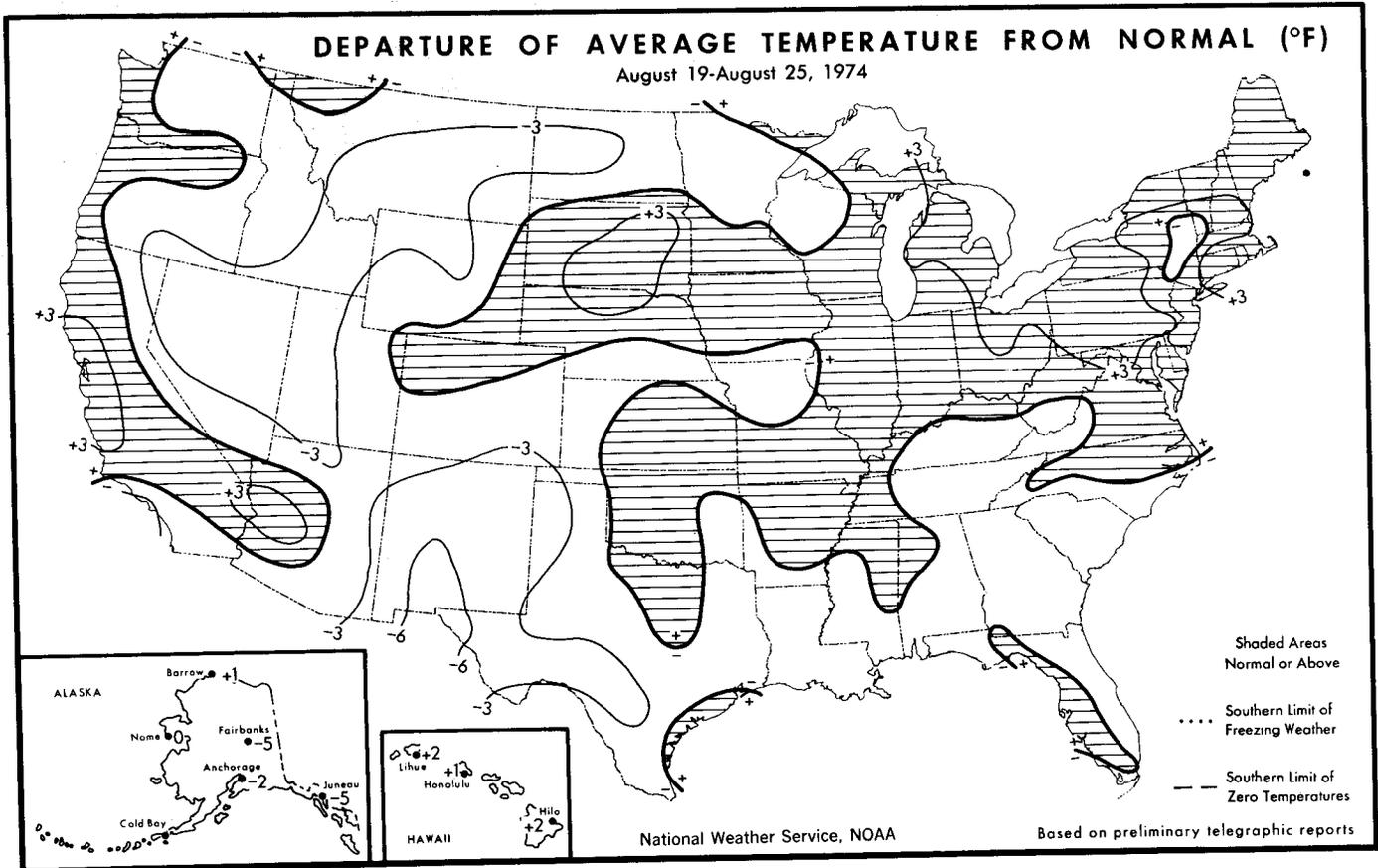
Eastern Seaboard from Pennsylvania southward through Florida with stations reporting from 0.50 in. to 2.00 in. during the week. Except for northern Maine, only light precipitation fell over New England.

Some widespread areas in the Midwest, Northeast, and Deep South reported little or no precipitation for the week. And the Far West remained dry except for a few light showers in the extreme Pacific Northwest.

In the Texas Panhandle, Amarillo has recorded 7.19 in. of rain so far this month, making it the wettest August on record. The old record was 6.76 in. set in 1906.

Monday, the 19th, locally heavy rains soaked the middle Atlantic States. Clarksville, Md., got 2.20 in. and 1.33 in. of rain fell in Wash. D.C. causing some flooding.

Early Tuesday, a low centered over northwestern



South Dakota triggered thundershowers and showers across Montana and eastern North Dakota.

Wednesday, the 21st, heavy thunderstorms swept across Southland and in a band from western Texas into Wisconsin.

A cold front trailing from the upper Great Lakes triggered thunderstorms from western Texas into the mid-Mississippi Valley, Thursday. Overnight thunderstorms left locally heavy rain of 1.00 to 3.00 in. from western Missouri into west central Illinois.

By 1.00 a.m. CDT, on Friday, Lubbock, Tex. measured 2.00 in. of rain, the heaviest 24 hr. rainfall in 2 years. Later in the day, thunderstorms occurred from southeast New York and southwest New England to the middle Atlantic Coast States.

Saturday, thundershowers continued from Kansas to eastern New Mexico and extreme western Texas.

During the late afternoon and evening on Sunday, thunderstorm activity persisted over much of New England into eastern Virginia.

TEMPERATURE: Mild weather dominated most of the Nation last week. Temperatures averaging 3 to 5° above normal were reported in States surrounding the Great Lakes area eastward through New England.

Elsewhere, temperatures 3 to 4° above normal were recorded at Huron, S.Dak., Phoenix, Ariz.; and San Francisco, Calif.

Cooler areas of the Country included west Texas and New Mexico where temperatures fell 3 to 6°

below normal and from Nevada to North Dakota where temperatures were 3 to 4° below normal.

Monday, the 19th, most of the Nation reported early afternoon temperatures in the 70's and 80's.

High temperatures were generally in the 80's east of the Mississippi River and in the 70's in the Plateau Region on Tuesday. Meanwhile 60's and 70's prevailed along the Pacific Coast.

Wednesday, the 21st, morning low temperatures ranged from 20° at Big Piney, Wyo. to 87° at Key West, Fla. By midday the sun had warmed temperatures into the 90's over the southeastern Plains and the lower half of the Mississippi Valley. Under the clouds in the northern Plains midday readings were only in the 50's.

On Thursday, behind a cold front from the southern Rockies to upper Mississippi Valley the temperatures plummeted into the 60's and 70's, while it was much warmer ahead of the front in Texas where 90's were most common.

Friday, the 23rd, afternoon temperatures ranged from 42° at Grand Forks, N.Dak., to 90° at both Blythe and Needles, Calif. Binghamton, N.Y., established a new record for the date with a temperature of 85°.

On Saturday, most of the Nation recorded temperatures in the 70's and 80's. However, a few 90's were reported in the Gulf Coast States and Desert Southwest.

Sunday afternoon, temperatures around the Nation ranged from 103° at Palm Springs, Calif., to 63° at Arcata, Calif., Caribou, Maine, and Cut Bank, Mont.

NATIONAL AGRICULTURAL SUMMARY

HIGHLIGHTS: Shower activity slowed small grain harvest early in period. Near normal temperatures last week and rains of the past two weeks have allowed row crops to develop favorably in the Corn Belt and Southern areas.

SMALL GRAINS: Showers delayed small grain harvest across the northern tier of States from Wisconsin to Montana but good progress was being made in most areas by late in the week. Winter wheat harvest is virtually complete in all of the Northern States except Montana and Idaho.

Spring wheat harvest is 50% done in Minnesota and North Dakota, behind normal progress in both States. In Montana spring wheat is 40% combined. Fields in some areas benefited from recent rains. Durum is about 25% combined in North Dakota.

Oat harvest is 60% complete in North Dakota, 74% in Minnesota and 80% done in Wisconsin.

Land preparation increased for fall winter wheat seeding and many farmers from Texas to Washington have already started seeding their crop.

CORN: Rainfall was sparse in much of the Corn Belt last week and temperatures remained near seasonal normals. Parts of southern Wisconsin and Minnesota, eastern Iowa and Kansas and much of Missouri received good rains which helped boost soil moisture supplies. Elsewhere in the Corn Belt precipitation was limited and soil moisture supplies are generally rated short to adequate.

Development continues to lag behind normal in most States; 40% of the crop is dented in Ohio and Nebraska, 26% in Iowa, 25% in Illinois and 15% in Indiana. Normally 39% of Iowa's crop is dented and 55% of the Illinois corn has reached this point.

The Southern corn acreage continues to develop near or ahead of normal in most States as 61% has matured in South Carolina, 50% in Alabama and nearing maturity in Arkansas. Harvest has started in Virginia, made gains in Alabama, Florida, and Georgia, and is 34% done in Texas, compared with only 9% harvested in 1973. Harvesting corn for silage is becoming active in many States.

COTTON: Cotton prospects continue to improve in most major producing States although rain is slowing weed and insect control in many areas. Bollworms are increasing in Louisiana and North Carolina and insects are causing problems in South Carolina and Georgia. The crop is in mostly good condition and boll opening has started in Arkansas, Missouri and Oklahoma, on the increase in North Carolina and Alabama, and 4% open in Mississippi and South Carolina.

Harvest has started in Alabama and is 14% complete in Texas, compared with only 3% in 1973 and 8% normally.

Western cotton is in good condition. New Mexico acreage has 90% bolls set, California's acreage is opening in most areas and harvest has started in the Yuma area of Arizona.

SOYBEANS: Rain was limited in much of the North Central States, but near normal temperatures and earlier moisture aided soybean development in most areas. Only parts of Iowa, Kansas, Minnesota, Missouri and Wisconsin received good rains that helped replenish soil moisture supplies and aid

soybeans. Soybean development lags behind last year's crop in most Corn Belt States. In Illinois nearly 65% of the acreage has set pods, compared with 80% in 1973 and average 92%. In Iowa, condition is mostly good, 86% of the acreage set pods versus 88% normally. Leaves are starting to turn in earlier fields in Iowa and Minnesota.

Soybeans in most Southern States are in good to excellent condition but beans in Alabama and Louisiana need rain. The Mississippi crop has 64% pods set while the Tennessee acreage has only 35% pods set, 2 weeks later than normal.

OTHER CROPS: Harvest of Wisconsin's second crop hay advanced to 75% complete, ahead of the 1973 progress of 70%. Texas sorghum grain harvesting stood at 51% complete versus 38% in 1973 and 40% average.

Kansas sorghum is 65% headed, both 1973 and average was 75%. Nebraska sorghum is in mostly fair condition, 85% headed and 15% turned, normally 22% is turned.

Tobacco harvest in North Carolina 80% finished for types 12 and 13 and 47% for type 11, all behind last year's progress. Tobacco harvest is nearing completion in Georgia and is 96% done in South Carolina. In Kentucky, recent rains continue to boost prospects as 76% of the barley is topped and 13% is cut, compared with only 62% topped and 7% cut in 1973.

Peanuts are in mostly good condition in Georgia with light harvest underway, while in Texas harvest is 12% complete, ahead of the 1973 progress of 7%.

Light harvesting of potatoes continues in southwest Idaho and it's getting underway east. Early digging has started for processing in Aroostook County, Maine.

FRUITS AND NUTS: Apple quality is good in New Jersey, and nearly 25% of the harvest is complete. In New York, early McIntosh, Tydeman, Milton and Wellington apples are being picked.

Peach harvest is 50% complete in New Jersey and nearing completion in Georgia.

California's grape crop looks good although some insects and bunch rot are causing problems.

The Georgia pecans are in fair to good condition and spraying is active. Texas pecans are developing fairly well, but infestations of aphids are showing up Central. Shedding is generally greater than normal due to dry weather.

VEGETABLES: Northern vegetable growth retarded by dry conditions and volume depends on the amount of moisture received. Land preparation and seeding of fall vegetables active in southern Texas. Fall planting of cauliflower, broccoli and cabbage is done in Oregon. Celery harvest is slow in California, it's light for brussel sprouts and lettuce and moderate for broccoli and cauliflower. Canning tomato harvest is in full swing.

PASTURES AND LIVESTOCK: Pastures in the eastern half of the Nation are showing some gains where ample soil moisture was received. Moderate to heavy rains in the High and Low Plains of Texas are relieving drought conditions and ranges are improving for early fall grazing. However, ranchers in some areas of the Low Plains are culling herds because of inadequate pasture. Rain is needed on most western ranges to boost fall grazing prospects.

Temperature and Precipitation Data for the Week Ending Midnight, Aug. 25, 1974

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	0	0	-.9	La. Baton Rouge . . .	81	0	.7	-.3	Youngstown . . .	71	+3	.2	-.5
Mobile . . .	80	-1	1.5	0	Lake Charles . . .	81	1	1.4	+.4	OKLA. Okla. City . . .	81	+1	.2	-.4
Montgomery . . .	78	-3	T	-.8	New Orleans . . .	81	1	T	-1.2	Tulsa . . .	81	0	.9	+.2
ALASKA. Anchorage . . .	53	-2	.2	-.4	Shreveport . . .	81	2	.1	-1.5	OREG. Astoria . . .	62	+2	.3	-.1
Barrow . . .	38	+1	T	-.2	MAINE. Caribou . . .	66	+5	1.8	+1.0	Burns . . .	63	-2	T	-.1
Fairbanks . . .	49	-5	.2	-.3	Portland . . .	70	+4	.4	-.2	Medford . . .	70	0	0	-.1
Juneau . . .	49	-5	4.0	+2.8	MD. Baltimore . . .	75	+1	.4	-.5	Pendleton . . .	72	+2	0	-.1
Kodiak . . .					MASS. Boston . . .	73	+3	.1	-.7	Portland . . .	67	+1	T	-.2
Nome . . .	49	0	.4	-.4	Chatham . . .	69	-1			Salem . . .	67	+1	.1	0
ARIZ. Flagstaff . . .	64	+1	T	-.6	MICH. Alpena . . .	67	+4	.8	+.2	PA. Allentown . . .	73	+2	.9	0
Phoenix . . .	81	+3	T	-.3	Detroit . . .	74	+4	T	-.7	Erie . . .	70	+3	0	-.8
Tucson . . .	82	-2	.3	-.2	Flint . . .	72	+5	T	-.7	Harrisburg . . .	78	+5	.2	-.5
Winslow . . .	73	-2	.1	-.3	Grand Rapids . . .	69	0	0	-.6	Philadelphia . . .	78	+4	2.7	+1.8
Yuma . . .	91	-1	0	-.1	Houghton Lake . . .	67	+3	.2	-.3	Pittsburgh . . .	74	+5	.2	-.5
ARK. Fort Smith . . .	80	-1	0	-.7	Lansing . . .	70	+1	0	-.6	Scranton . . .	69	0	.4	-.3
Little Rock . . .	81	+1	0	-.7	Marquette . . .	66	+1	T	-.7	R.I. Providence . . .	75	+5	.2	-.7
CALIF. Bakersfield . . .	83	+2	0	0	Muskegon . . .	71	+3	.2	-.4	S.C. Charleston . . .	78	-1	2.9	+1.5
Eureka . . .	58	+1	T	-.1	S. Ste. Marie . . .	66	+4	.1	-.7	Columbia . . .	78	-2	.5	-.7
Fresno . . .	78	+1	0	0	MINN. Duluth . . .	61	-2	1.0	+2.2	Greenville . . .	76	-1	.4	-.5
Los Angeles . . .	70	-4			Internatl Falls . . .	62	0	3.1	+2.3	S.D. Aberdeen . . .	73	+4	T	-.5
Red Bluff . . .	81	+2	0	-.1	Minneapolis . . .	70	+1	.2	-.5	Huron . . .	75	+4	.4	-.1
San Diego . . .	69	-2	0	0	Rochester . . .	68	0	.9	+1	Rapid City . . .	72	+2	.3	0
San Francisco . . .	67	+4	0	0	St. Cloud . . .	66	-1	.1	-.8	Sioux Falls . . .	72	+1	.7	0
Stockton . . .	78	+3	0	0	MISS. Jackson . . .	79	-2	0	-.8	TENN. Chattanooga . . .	76	-1	.1	-.6
COLO. Denver . . .	71	0	T	-.3	Meridian . . .	81	+1	0	-.8	Knoxville . . .	76	-1	.1	-.6
Grand Junction . . .	74	0	T	-.3	MO. Columbia . . .	74	-1	2.0	+1.3	Memphis . . .	81	+1	0	-.7
Pueblo . . .	72	-2	.1	-.3	Kansas City . . .	76	-1	1.0	+.1	Nashville . . .	77	-1	.1	-.6
CONN. Bridgeport . . .	76	+4	.3	-.5	St. Louis . . .	76	0	.1	-.5	TEX. Abilene . . .	81	-2	T	-.4
Hartford . . .	74	+5	.5	-.4	Springfield . . .	77	+1	.2	-.5	Amarillo . . .	73	-4	3.9	+3.3
D.C. Washington . . .	79	+3	1.6	+.6	MONT. Billings . . .	66	-3	1.2	+9	Austin . . .	83	-1	T	-.6
FLA. Apalachicola . . .	80	-1	1.2	-.7	Glasgow . . .	65	-3	.7	+.3	Beaumont . . .	82	-1	1.3	0
Daytona Beach . . .	80	-1	.3	-1.3	Great Falls . . .	64	-2	2.0	+1.7	Brownsville . . .	83	-1	T	-.8
Ft. Myers . . .	83	0	2.5	+.7	Havre . . .	64	-2	.3	0	Corpus Christi . . .	85	0	.2	-.6
Jacksonville . . .	79	-2	2.9	+1.1	Helena . . .	61	-4	1.9	+1.7	Del Rio . . .	84	-2	T	-.4
Key West . . .	84	-1	.7	-.4	Kalispell . . .	62	+1	.3	-.1	El Paso . . .	74	-6	.5	+.3
Lakeland . . .	82	0	.8	-.8	Miles City . . .	69	-2	.7	+.4	Fort Worth . . .	86	+2	T	-.6
Miami . . .	83	0	2.5	+.9	Missoula . . .	62	-2	.4	+.2	Galveston . . .	84	+1	1.4	+.3
Orlando . . .	82	0	.6	-.9	NEBR. Grand Island . . .	73	-1	T	-.6	Houston . . .	81	-2	.9	-.1
Tallahassee . . .	82	+1	2.3	+.8	Lincoln . . .	74	-1	.1	-.7	Lubbock . . .	74	-3	3.9	+3.5
Tampa . . .	84	+2	.3	-1.5	Norfolk . . .	74	+1	T	-.6	Midland . . .	80	-1	1.1	+.8
W. Palm Beach . . .	82	-1	1.8	+.1	N. Platte . . .	72	0	T	-.4	San Angelo . . .	81	-3	0	-.4
GA. Atlanta . . .	77	0	0	-.7	Omaha . . .	74	+1	.1	-.8	San Antonio . . .	81	-3	.3	-.3
Augusta . . .	79	0	T	-.9	Valentine . . .	74	+3	.2	-.3	Victoria . . .	84	0	1.1	+.3
Macon . . .	79	-1	.2	-.6	NEV. Ely . . .	61	-3	0	-.1	Waco . . .	87	+2	.5	0
Savannah . . .	79	-1	.5	-.9	Las Vegas . . .	86	0	0	-.1	Wichita Falls . . .	85	0	T	-.4
HAWAII. Hilo . . .	78	+2	.6	-1.8	Reno . . .	63	-3	0	0	UTAH. Blanding . . .	69	-1	T	-.4
Honolulu . . .	82	+1	T	-.1	Winemucca . . .	63	-3	0	-.1	Salt Lake City . . .	70	-3	0	-.2
Kahului . . .					N.H. Concord . . .	68	+2	.2	-.5	VT. Burlington . . .	71	+5	.1	-.7
Lihue . . .	81	+2	1.4	+.9	N.J. Atlantic City . . .	75	+2	.4	-.7	VA. Lynchburg . . .	74	0	.6	-.3
IDAHO. Boise . . .	69	-2	.1	0	Trenton . . .	75	+2	.7	-.2	Norfolk . . .	78	+2	1.5	+.2
Lewiston . . .	70	0	0	-.1	N.MEX. Albuquerque . . .	71	-5	.3	0	Richmond . . .	76	0	1.7	+.6
Pocatello . . .	65	-3	T	-.1	Roswell . . .	71	-6	1.3	+1.0	Roanoke . . .	73	-1	1.1	+.2
ILL. Cairo . . .	79	+1	T	-.8	N.Y. Albany . . .	69	0	.5	-.2	WASH. Colville . . .	65	0	0	-.2
Chicago . . .	74	+1	T	-.7	Binghamton . . .	71	+4	T	-.8	Omak . . .	67	-1	0	-.1
Moline . . .	72	0	.7	0	Buffalo . . .	72	+4	T	-.8	Quillayute . . .	60	+1	.5	-.2
Peoria . . .	74	+1	T	-.7	New York . . .	76	+2	.4	-.6	Seattle-Tacoma . . .	63	0	T	-.3
Rockford . . .	72	+1	T	-.8	Rochester . . .	73	+5	T	-.6	Spokane . . .	65	-2	0	-.1
Springfield . . .	74	0	0	-.6	Syracuse . . .	71	+2	.2	-.6	Walla Walla . . .	72	0	0	-.1
IND. Evansville . . .	75	0	T	-.6	N.C. Asheville . . .	72	0	T	-1.0	Yakima . . .	66	-2	T	-.1
Ft. Wayne . . .	72	+1	T	-.6	Charlotte . . .	75	-2	0	-.8	W.Va. Beckley . . .	67	-1	.4	-.4
Indianapolis . . .	72	0	0	-.6	Greensboro . . .	75	0	.1	-.9	Charleston . . .	73	0	.1	-.7
South Bend . . .	74	+4	T	-.7	Hatteras . . .	77	0	4.8	+3.3	Huntington . . .	74	+1	.1	-.6
IOWA. Burlington . . .	72	-1	1.1	+.3	Raleigh . . .	77	+1	.6	-.5	Parkersburg . . .	74	+1	T	-.7
Des Moines . . .	74	+2	.2	-.6	Wilmington . . .	78	-1	1.4	-.1	WIS. Green Bay . . .	68	+1	.2	-.4
Dubuque . . .	69	0	1.7	+.7	N.DAK. Bismarck . . .	65	-3	.1	-.3	La Crosse . . .	70	0	.7	0
Sioux City . . .	72	+2	.4	-.3	Fargo . . .	67	-1	.8	+.2	Madison . . .	69	+1	.2	-.5
KANS. Concordia . . .	77	+1	T	-.7	Williston . . .	64	-3	1.2	+.8	Milwaukee . . .	69	+1	T	-.6
Dodge City . . .	77	0	1.2	+.6	OHIO. Akron-Canton . . .	72	+3	.1	-.5	WYO. Casper . . .	65	-3	T	-.1
Goodland . . .	71	-2	T	-.4	Cincinnati . . .	75	+1	0	-.5	Cheyenne . . .	67	+1	T	-.3
Topeka . . .	77	+1	1.3	+.4	Cleveland . . .	72	+3	T	-.7	Lander . . .	67	-1	0	-.1
Wichita . . .	80	+1	1.3	+.6	Columbus . . .	74	+3	.1	-.5	Sheridan . . .	65	-3	T	-.2
KY. Lexington . . .	73	-1	T	-.7	Dayton . . .	73	+1	.2	-.4	P.R. San Juan . . .	--	--	--	--
Louisville . . .	75	0	.4	-.2	Toledo . . .	73	+3	T	-.7					

CONDENSED STATE SUMMARIES

The Bulletin capsulizes nationally important weather and crop conditions. Every Monday SRS publishes more detailed data in State Weekly Weather and Crop Bulletins in cooperation with the National Weather Service, NOAA. Voluntary weather observers, crop reporters, and county extension agents contribute weekly observations for these reports.

ALABAMA: Dry across most of State entire week. Scattered thundershowers mainly south. Rainfall light except along Gulf Coast. High temperatures in low 90's with low's in mid 60's.

Crops made rapid development, good rain needed many localities to push them to maturity. Cotton opening many fields lower half of State, few fields Tennessee Valley. "First bales" ginned August 16 Dothan area. Most corn dented and 50% mature, harvest for grain made headway south and central. Soybeans 67% setting pods, earliest fields beginning to yellow and need moisture during critical pod-filling stage. Many late beans also need moisture. Outlook for peanuts favorable, many fields need rain to finish. First diggings started several counties. Much good quality hay saved. Pastures furnished adequate grazing in most areas.

ALASKA: Early week warm and dry. Frost over large portion on the 21st and 22nd. Precipitation is about 2.50 in. below normal for the season over the entire State.

Seasonal moisture supply critically short in most areas of the Railbelt. Prospects for most crops are average and below. The hard freeze during the week stopped most all vegetables and potato growth. A few acres of potatoes had been harvested for local sales.

ARIZONA: Unseasonably dry weather prevailed. Only east central mountains southeast received rain. Temperatures averaged 3° above normal statewide.

Principal farm activities irrigation row crops, haying, preparation for fall vegetables. Cotton harvest started Yuma, condition excellent, heavy boll set maturing rapidly. Insect controls effective. Salt River Valley, cotton making satisfactory progress. Early set bolls beginning to open. Sorghum harvest on limited scale Yuma. Harvest alfalfa hay active. Harvest of alfalfa seed active at Yuma. Land preparations planting miscellaneous vegetables and lettuce underway central and western areas. Lettuce planting complete Cochise County. Cantaloups fall harvest good progress. Chili and melons and apples harvested Graham County. Citrus groves good condition. Range conditions fair to good southeast, poor to fair elsewhere. Cattle calves mostly fair. Stock water and soil moisture short all areas except southeast.

ARKANSAS: Near normal temperatures. Extremes: 99° Texarkana on 19th, and 56° Keiser on 19th. Isolated showers early and late in week. Harrison had 1.58 in. and Calico Rock 1.13 in. Little or no rain elsewhere.

Variable soil moisture, rainfall needed. Crops progressed, land preparation begun. Fertilizer short. Cotton cutting out, fruiting good and bolls opening. Rice heading, some harvested, yields and quality good. Soybean yield prospects vary, maturing well, insect and disease problems low, good weed control. Corn near maturity. Sorghum grain harvest began, ripening continues. Hay and pasture growth good. Livestock condition good. Fruit and vegetable harvest for watermelon, grapes, apples, late tomatoes, okra, peas.

CALIFORNIA: No precipitation other than local drizzle. Weather in all inland areas was generally fair. Low clouds present along south coast early in week. Temperatures ranged above normal central coast to below normal south.

Milo harvest underway desert areas, safflower harvest well along, cutting silage corn active. Rice harvest to begin 10 days, cutting dry beans active. Cotton opening most areas. Ground preparation started for planting small grains. Dugging sugarbeets active central valleys. Grape crop looks good, leaf rollers causing problems, bunch rot noted in wine grape varieties around Modesto. Almond preharvest field work continues as early harvest increases. Walnut crop good although chemical control for husk flies occurring. Peach and pear harvest continues, apple harvest is variable by area. Prune harvest active, some splitting occurring. Navel oranges developing well, Valencia harvest continues, avocado drop due to heat, Visalia. Lemon picking at seasonal levels, date bagging about complete Riverside. Broccoli, cauliflower, carrots moderate. Brussel sprouts, lettuce, cantaloup and celery light. Honeydews active. Potatoes increase Santa Maria, unchanged Stockton. Market tomatoes unchanged south, canning tomatoes full swing. Livestock remain good condition, overgrazing depleting range feed. Turkeys doing well range areas, movement to processor active. Bee losses from pesticides many areas. Stock water adequate. Extreme fire hazard closed Los Padres National Forest Monterey County.

COLORADO: Very dry weather continued, only spotty thundershowers occurring. High temperatures upper 70's to 90's at lower elevations. At lower elevations rainfall generally less than 0.20 in.

Winter wheat planting beginning. Corn 62% dough, 28% dented, dry beans 90% flowered, limited threshing east, sorghum 76% headed. Alfalfa third cuttings light, 27% completed. Peach harvest underway. Summer potato harvest active. Fall onion harvest southeast. Livestock good condition, early marketings continue.

FLORIDA: Temperature averaged near normal. Rainfall light to moderate with isolated stations receiving heavy amounts.

Soil moisture adequate most areas, excessive others. Corn harvest slow due to wet conditions. Peanut harvest underway. Tobacco harvest complete and marketing nearing completion. Cotton, soybeans and sugarcane in fair to good condition. Hay making continued but hay crops in poor condition. Cattle and calves in good to excellent condition. Tomato seeding, setting active all districts, celery, sweetcorn planting gaining momentum. Early eggplant, peppers in fair to good condition. Snap beans, cabbage, cucumber, land readied for early Sept. planting. Citrus tree and fruit condition excellent, rains helping new growth. New fruit excellent progress, first grapefruit shipped for 1974-75 season.

GEORGIA: Temperatures averaged 1 to 3° below normal. Means near 70° mountains to 80° south. Rainfall averaged between 0.20 in. and 1.00 in.,

except southeast with average 2.10 in.

Soil moisture mostly adequate to surplus. Overall crop prospects continued high. Cotton mostly good, heavy insect infestation. Peanuts mostly good, light harvest underway, white mold still problem. Corn mostly good, 4% harvested. Tobacco harvest near completion, marketing slow. Soybean mostly good, heavy insect infestation. Pastures and cattle mostly good to excellent. Haying active as weather permits. Peach harvest near completion. Apple harvest continued active. Pecans fair to good, spraying active. Sweet potatoes mostly good. Some insect and disease problems.

HAWAII: Weather continued warm and dry but favorable for crop progress. Heavy irrigation necessary to maintain good crop growth. Spraying intensified to minimize insect damages. Vegetables in adequate supply. Banana production increasing seasonally, papaya production continue at low level. Cattle condition good, most leeward pastures are brown. Pineapple harvesting declining, other operations active. Sugarcane harvest in full swing.

IDAHO: Temperatures averaged 4 to 7° below normal for period. Extremes: in 90's and 30's and 40's. Higher elevation had below freezing midweek as a cold front moved in. Precipitation was scattered and light.

Harvesting of small grains, hay, mint, fruit, and vegetable crops made good progress. Crop development slowed by cool weather. Combining 80% complete winter wheat, 50% spring wheat, 60% for barley. Light harvesting of potatoes southwest, starting Fort Hall area east. Second crop alfalfa hay harvested lower elevation continues higher areas. Commercial dry bean swathing started. Dry pea and lentil harvest nearing completion north. Ranges very dry, irrigated pastures furnishing normal forage supplies.

ILLINOIS: Temperatures near normal. Precipitation light most areas, trace to 0.40 in.

Corn dough stage nearly 70%, 87% 1973, 3-year (1971-73) average 90%, 25% dent stage, average 55%, condition mostly fair. Soybeans 90% blooming, 93% 1973, average 98%, nearly 65% set pods, 80% 1973, average 92%, condition fair to good. Third cutting alfalfa hay 35% complete, average 40%. Plowing winter wheat 60% complete, same as average. Pastures fair to good. Soil moisture 59% short, 40% adequate, 1% surplus. Fieldwork: 6 days suitable.

INDIANA: Dry sunny week. Rainfall north and west 0.20 to 0.50 in. east and southeast 0.50 to 0.80 in. Air and soil temperatures few degrees above normal. Air temperature extremes 44 and 92°.

Fieldwork averaged 6 days. Topsoil and subsoil moisture improved, remains mostly short to adequate. Moisture increases mostly confined to south and central. Corn 90% silked, lagging 1972 and 1973 by more than 1 week, 55% in dough or beyond, 15% dented. Soybeans 70% setting pods, 80% in 1973. Plowing of land for 1975 winter wheat 35% complete, 45% in 1973. Alfalfa hay 90% cut second time, same as 1973. Pastures continue gains, rated poor to mostly fair.

IOWA: Weather: Temperatures averaged about 3° above normal with cooling trend late in week. Locally heavy showers produced above normal precipitation northwest into extreme north central and southeast to extreme east central.

Fieldwork: days suitable 5.0, average 6.0. Corn in or past dough stage 64%, average 78%. Corn in or past dent stage 26%, average 39%, condition poor to fair west, good to excellent in north central and northeast. Soybean condition mostly good, setting pods 86%, average 88%, leaves starting to turn. Third cutting alfalfa 37% complete, yields fair. Pasture growth good. Topsoil moisture 13% short, 81% adequate, 6% surplus. Subsoil moisture 21% short, 75% adequate, 4% surplus. Some scattered hail damage.

KANSAS: Slightly above average temperatures. Maximum 100° west. Precipitation 0.50 to 2.00 in. most areas east and south. Over 4.00 in. in Sedgwick, Anderson, and Bourbon Counties.

Sorghums, soybeans and pastures improved. Irrigated corn doing well though hot weather earlier hurt pollination. Hail August 17 northeast, north central damaged row crops. Sorghum 65% headed, both 1973 and average 75%. Corn 85% dough stage, 75% 1973, average 80%. Soybeans 75% podded, 1973 70%, average 80%. Alfalfa third cutting 65% harvested, 1973 and average 75%. Cow herds continue to be culled. Pastures eastern half improved.

KENTUCKY: Temperatures averaged near seasonal normals. Widely scattered thundershowers throughout week with rain totals averaging less than 0.33 in. most of State.

Crop conditions improved slightly, outlook very promising. Soil moisture mostly adequate. Fieldwork: 5 days favorable, mainly for haying and tobacco work. Fall plowing 17% done, same as 1973. Corn 82% in dough or later, 73% in 1973. More corn acreage going to silage or fodder than in 1973. Soybeans excellent, 62% podding, 64% 1973. Tobacco good to excellent, recent rains continue to boost prospects. Burley 76% topped, 62% 1973; 13% cut, 7% 1973. Lespedeza hay cutting 37% complete, 41% 1973. Pastures furnishing excellent grazing.

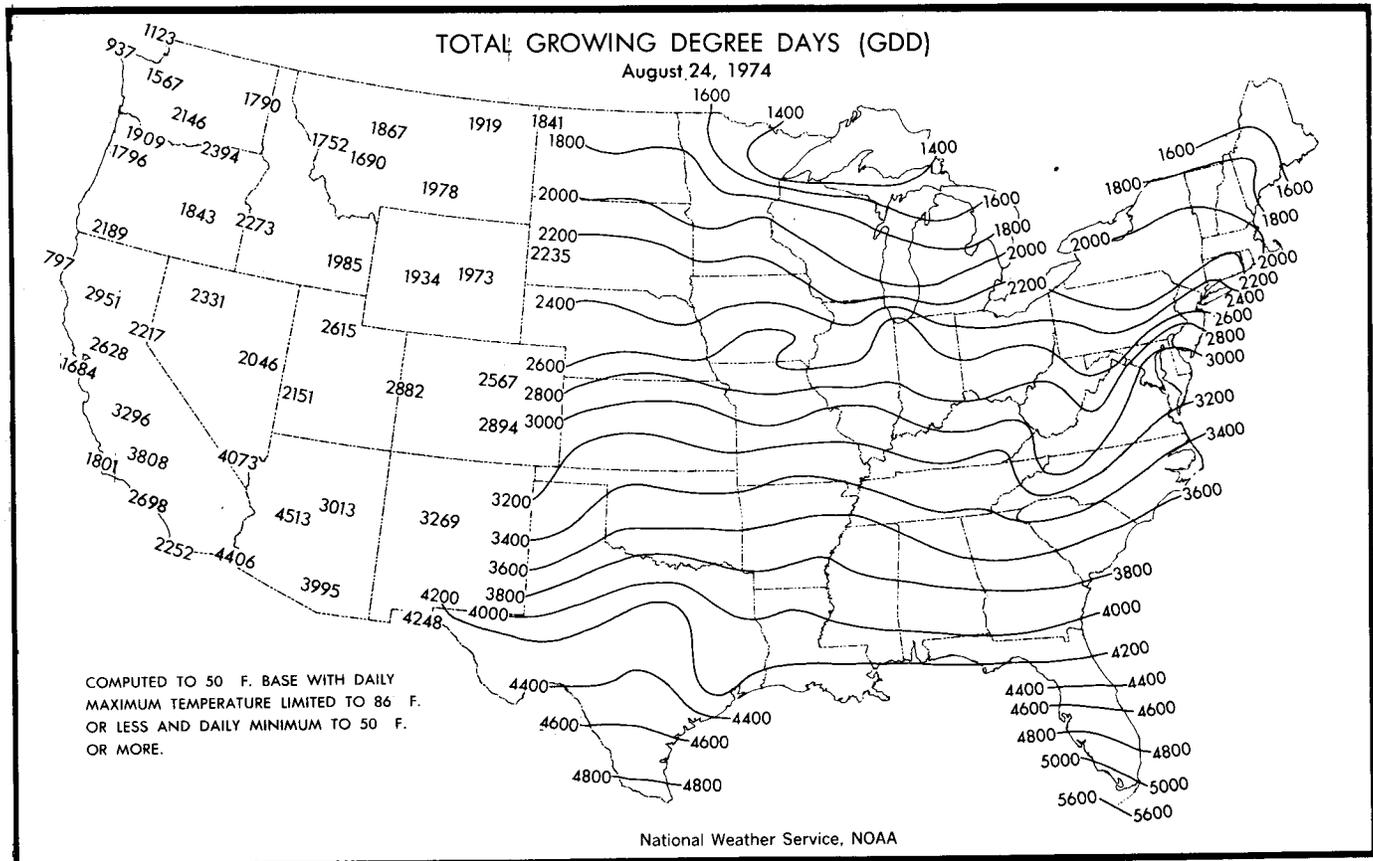
LOUISIANA: Temperatures near normal. Extremes: 100° Minden and 61° DeQuincy. Heavy showers southwest. Rainfall mostly less than 0.50 in.

Soil moisture short west and north, mostly adequate elsewhere. Field work possible 5.4 days. Main activities haying, rice harvest and insect scouting. Cotton good to fair, good growth, some under drought stress, bollworm increasing. Soybeans mostly good, need rain north, insects increasing. Rice harvest 65%, 15% 1973, 50% 1972, yields varied, storage short some areas. Sugarcane good growth, taller than 1973. Planting active. Sweet potatoes 20% harvested, 25% 1973, 20% 1972. Hay 66% harvested, 65% 1973, 75% 1972. Pastures average, need rain north, livestock fair to good.

MARYLAND AND DELAWARE: Temperatures near normal. Highs mid 80's to low 90's, lows from low 50's to mid 60's. Precipitation less than 0.25 in. to over 4.75 in. Widely scattered thunderstorms, heaviest on 23rd.

Good work week. Cotton progress 68% dough stage, usual 70%. Soybeans growing after rainfall, 82% bloomed, usual 78%. Pod setting delayed, 40%, usual 52%. Tobacco harvest 33% done, behind usual 42% as growers wait for late growth. Vegetable harvest continues, tomatoes and watermelons good supplies. Peach picking continues, still concern over moisture to size fall apples.

MICHIGAN: Temperatures averaged normal to 5° above. Maximums near 90°. Rainfall sparse to none, totaling under 0.10 in. Lower Peninsula,



except 0.25 to 0.75 in. northeast lower. Spotty thunderstorms upper peninsula brought around 1.00 in.

Crop prospects improved some areas but declined in others. Soil moisture short most of lower peninsula, adequate to surplus upper peninsula. Corn 50% dough stage or more advanced; 1973 70%. Soybeans 85% set pods; 1973 90%. Oats 85% harvested. Dry soils hindering plowing for wheat. Early planted navy beans mature, harvest started. Fall potatoes developing well upper peninsula, hurt by hot dry weather elsewhere. Nearly 80% second cutting hay made. Pasture feed supplies below average. Hot dry weather caused premature ripening of peaches and limited size southwest. Rain needed to help size fall and winter apples. Vegetable growth retarded by hot dry conditions. Late sweet corn and cabbage severely damaged southeast.

MINNESOTA: Temperatures averaged near normal. Extremes: 90's southwest beginning of week to upper 30's and low 40's northwest late in week. Precipitation moderate to heavy north beginning of week with 1.00 to 2.00 in. above normal. Elsewhere near normal 0.50 in. below.

Warm sunny weather favorable for corn, soybeans and enabled rapid harvest of small grains central and most northern areas. Combining spring wheat 50% completed, average 65%; barley 58% harvested, average 84%; oats 74%, average 99%, flaxseed 33%, same as average. Corn 50% dough stage, 1973 71%, average 52%. Soybeans 14% turning yellow, 1973 19%, average 17%. Winter wheat and rye seeding underway. Sweet corn harvest full progress.

MISSISSIPPI: Temperatures averaged 2 to 4° below normal. Lowest reading was 58° and the highest 90°. Showers and thunderstorms continued a hit and miss pattern across the State. Heaviest rainfall 3.55 in. was at Forest on 18th. Weekend showers confined mainly to south.

Soil moisture supplies adequate north and southeastern corner and mostly short elsewhere. Fieldwork: Averaged 5.6 days suitable. Cotton 97% setting bolls and 4% open, normally 99% setting bolls and 5% open. Soybeans 64% podding, normally 67% podding. Rice 86% headed and 3% mature. Sorghums 54% headed and 10% harvested. Hay 65% harvested, sweetpotatoes 20% harvested. Corn is 38% mature. Cotton, corn, sorghums, hay crops, soybeans and pastures are in fair to good condition. Rice is in mostly good condition. Pecans in mostly fair condition.

MISSOURI: Showers general over State. However, a few local areas less than 0.50 in. and still very dry. Total rainfall zero at a few stations to more than 5.00 in. at Lexington. Temperatures cool with most stations reporting only a day or two with maximums above 90°.

Fieldwork: 4.0 days suitable. Corn poor to fair condition, 64% dough stage, 43% dented. Corn 36% dented 1973, 54% average. Grain sorghum 75% headed, 84% 1973. Soybeans fair to good condition, 48% setting pods, 65% 1973, 75% average. Cotton fair to good condition, less than 1% bolls open. Third cutting alfalfa 52% harvested, 70% 1973, 73% average. Soil moisture supplies short to adequate, pastures poor to fair condition.

MONTANA: Cool and wet first of week, warm and dry weekend. Temperatures near normal west to 5° below normal southcentral. Highest mostly 80's except mid 90's southeast. Scattered light showers, heavier central, south central, and northeast with over 1.00 in. common.

Grain harvest resumed end of week. Spring wheat 15% turning, benefited from rains. Rains improved outlook for winter wheat seeding and fall pasture. Harvest completion: Winter wheat 90%; spring wheat 40%, oats and barley 50%, 2nd cutting alfalfa 60%. Soil moisture short parts of southwest and southeast, adequate elsewhere. Range feed adequate except prolonged drought areas. Almost 10% cattle and sheep moved from summer ranges.

NEBRASKA: Temperatures above normal first and last of week and below normal midweek. Showers and thunderstorms mostly central.

Fieldwork: 6.0 days suitable. Topsoil moisture supplies 55% short, subsoil moisture supplies 87% short. Irrigated corn fair to good, dryland corn poor to fair. Corn silage cutting continue. Corn 75% in dough stage, normal 80%, 40% dented, 46% normal. Sorghum conditions poor to fair, 85% headed, normal 100%, 15% turned, 22% normal. Soybean condition mostly fair, 85% podded, normal 100%. Alfalfa 60% third crop harvested. Sugarbeets and dry edible beans conditions mostly good to excellent. Range and pasture feed supplies short. Supplemental feeding continues. Livestock mostly good, cattlemen culling closely.

NEVADA: Unseasonably cool, occasionally strong winds and local early morning frost early in week. Temperatures averaged 3° below normal northwest and extreme south; 1 to 2° below normal south central, northeast, extremes 104° Logandale to 24° Mountain City. No precipitation.

Small grain harvest nearing completion. Ranges continue extremely dry. Livestock showing effects of dry weather.

NEW ENGLAND: Temperatures reached 90°. Average temperatures upper 60's to mid-70's. Precipitation spotty with scattered showers and thunderstorms north 19th and 24th. On 23rd precipitation locally, receiving 1.50 in. and others no rain. Drought areas not relieved to any extent and fire weather danger continued high.

Drought continues south, adequate moisture north. Early digging potatoes for processing commenced Aroostock County, Maine, set good, size small, overall prospects good with very little blight. Corn not growing south, may be late maturing north. Vegetables suffering south, some short supply. Apples beginning to color south. Hay and pasture regrowth stopped some areas south, good north.

NEW JERSEY: Temperatures averaged: 72° north, 74° central, 75° south. Extremes: 51° at Charlottesburg, 90° at Pemberton. Rainfall averaged: 1.28 in. north, 0.81 in. central, 1.21 in. south. Rain heaviest southwest.

Soil moisture in percent of field capacity averaged; 88% north, 71% central, 65% south. Pastures supplying average feed requirements. Harvest of summer crops at peak. Plowing for small grains started. Peach harvest about 50% complete. Apple quality good, harvest about 10 to 25% complete. Third cutting of hay very active. Potato harvest 20% complete. Soybeans and corn progressing well.

NEW MEXICO: Precipitation abundant except northwest plateau with only a few showers. Heaviest

amounts south, 1.00 to 2.00 in. Hobbs received most, 3.89 in. Temperatures subnormal northwest plateau, averaged 5° subnormal elsewhere. Subsoil moisture, short. Cotton good, bolls 90% set, few open. Alfalfa; rains delayed 3rd cut north, almost done. South, 4th cut, 50% south, 5th just starting. Irrigated sorghum good, 90% headed, starting to color, dry, poor to fair, 40% headed. Irrigated corn good, 80% dough. Barley, wheat seeding just begun. Onion harvest nearly done, chile harvest in full swing. Peanuts, potatoes good. Apple harvest to begin, Lincoln County. Ranges, fair. Livestock good.

NEW YORK: Rainfall continued below normal, around 0.50 in. provided relief in dry southeast-ern areas. Elsewhere rain very light averaging 0.10 in. Most of State now shows three-week rainfall deficiency. Very dry in central. Portions of Long Island which had been quite dry received moderate rainfall. Temperatures 4° above normal.

Good weather for harvesting. Second cutting alfalfa 75% complete, third cutting 25%. Wheat harvest near completion. Oat harvest slipped behind last year, 50% complete. Corn condition good, but some needs moisture. Dry beans growing well. Soil moisture short to adequate. Up-state potato harvest beginning, yields light. Snap bean harvest 50% complete. Condition good for cabbage harvesting. Orange County early onion harvest continues. Iceberg lettuce harvest continues. Hudson Valley harvesting early McIntosh, Tydeman and Milton apples, western New York harvesting early McIntosh and Wellington. Clapp pear harvest near completion, Bartlett just beginning.

NORTH CAROLINA: Temperatures averaged near seasonal normals across State while scattered showers and thundershowers continued to add moisture to the soil, especially eastern half. Heavy rainfall, locally damaging winds and hail fell northern Piedmont.

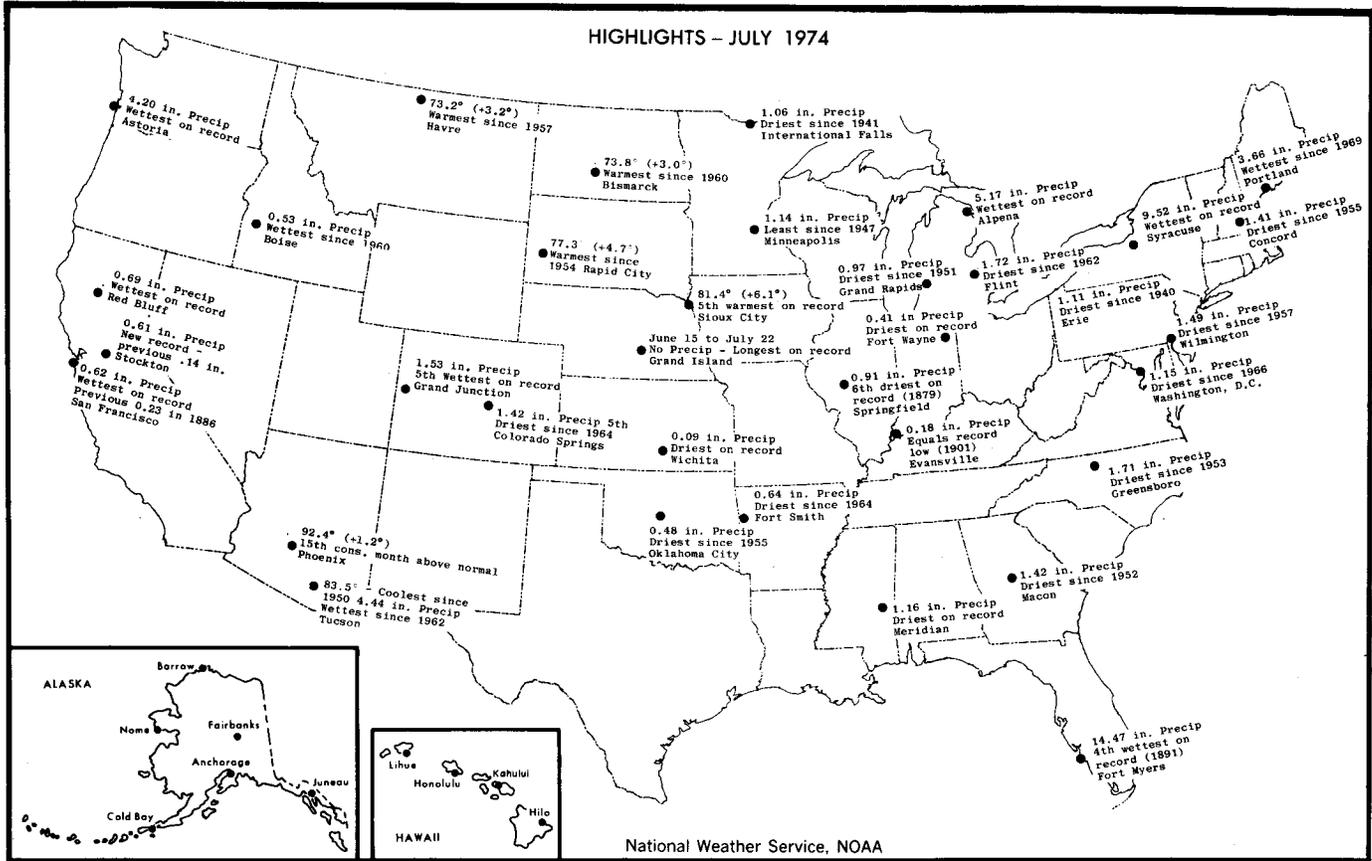
Fieldwork: averaged 3.6 days. Soil moisture 57% adequate, 43% surplus. Tobacco harvest type 12, 13, 80%, 1973 90%, type 11, 47%; 1973 66%. Markets all open. Record prices received, leaf tobacco good quality. Corn mostly good, harvest started eastern counties. Cotton mostly good, bollworm damage increasing, aerial spraying limited by unfavorable weather. Peanuts mostly good, need sun, dry weather. Apples 30% harvested major producing area. Soybeans mostly good, pod development good. Pastures, good. Sweetpotato harvest 12% complete.

NORTH DAKOTA: Temperatures 5° below normal north central to 1° above southeast. Extremes: 99° at Ft. Yates to 35° at Upham. Precipitation subnormal all parts, except northwest and north central, extremes 1.44 in. above normal north central to 0.42 below normal south central. Most rainfall in 24-hour period at Edgeley with 1.97 in. on 19th.

Intermittent showers continue hampering small grain harvest. Quality some swathed grain deteriorating. About 50% hard wheat and 25% durum combined. Barley combining half finished, oats 60% complete. Most row crops doing well with ample moisture, some acreage drowned out Red River Valley.

OHIO: Very little precipitation. Some hail north on 19th. Temperature extremes: 91° high, 56° low.

Corn 40% dented, 35% 1973 and 40% normal. Corn 5% mature, same as 1973 and normal. Soybeans 60% pods set, 50% 1973, and 65% normal. Corn silage



10% harvested. Tobacco 55% topped. Fall plowing for wheat 25% complete, 40% 1973 and 45% normal. Moisture supplies 60% short, 38% adequate and 2% surplus. Over six days favorable for fieldwork. Crop conditions mostly fair.

OKLAHOMA: Temperatures averaged 1° below normal panhandle to 2° above southwest. Precipitation averaged none in south central to 1.30 in. north-east. Weekend temperatures warm to hot with few showers northwestern half.

More rain northwest, farmers continued preparing wheat ground and applying fertilizer. Some wheat seeded in panhandle. Topsoil moisture adequate 40%. Subsoil moisture 33% adequate. Combining sorghums begun, 3 weeks ahead 1973. Cotton 90% setting bolls, 1% bolls open, 2 weeks ahead 1973. Peanuts fair to good, 84% spiking. Most soybeans are flowering with 50% setting pods. Alfalfa into 3rd and 4th cuttings. Alfalfa seed crop 30% combined. Ranges showing remarkable recovery. Livestock fair to good condition.

OREGON: Temperatures averaged near normal, 3° departures south central, northeast. Highs excluding coast, mid-80's to low 90's. Lows upper 30's some high eastern valleys. Rain limited to northern coast, Willamette Valley. Amounts to 0.42 in.

Most major grain harvest complete. Third alfalfa cutting underway. Sugarbeet seed, grass seed harvest nearly complete. Mint, hops harvest continues. Bartlett pears, early apples, Evergreen blackberries, beginning. Watermelon 50% harvested. Walnuts, filberts progressing normally. Snap beans coming along well, processing sweet corn

beginning. Fall planting cauliflower, broccoli, cabbage done. Potato harvest continues. Lower ranges dry, adequate water supplies. High ranges, good feed.

PENNSYLVANIA: Sunny skies, above normal temperatures and high humidity. Highs mostly 80's, lows 50's to 70's. Extremes; 93 and 43°. Rain sparse from widely scattered and localized showers midweek. Amounts less than 0.25 in. most sections except extreme northeast and southeast with over 1.00 in. Parts of Lancaster County reported near 6.00 in. from showers 15th.

Soil moisture: 50% short, 50% adequate. Corn, pre-silk 6%, silked 51%, dough 35%, dent 7%, mature 1%. Fall plowing 25% completed. Alfalfa; 2nd cuttings 90%, 3rd cuttings 40%. Clover-timothy 2nd cuttings 60%. Hay quality good. Pastures average. Harvesting completed, oats 85%, potatoes 15%, ensilage corn 10%. Some tobacco cutting.

PUERTO RICO: Island average rainfall 0.70 in. or 1.08 in. below normal. Highest weekly total 3.27 in. at Toa Baja. Temperatures averaged about 80/81° on coasts and 75/76° interior. Highest temperature 96°, lowest 54°.

Water rationing continued San Juan Metropolitan area. Some rain has fallen, but amounts have not been sufficient. Cloud seeding continued over the eastern/interior. Drought affecting development of ratons and new plantings in south coastal sections. Harvesting operations continued on coffee farms western and eastern/interior. Tobacco farms preparing soil for planting. Pastures affected by drought mostly southern slopes and south

coastal areas. Las Marias and Morovis have abundance of bananas plantains and avocados on market.

SOUTH CAROLINA: Temperatures averaged near normal except northeast where average 4° above and west 3° below. Highs reached low 90's early in week and upper 80's inland rest of week. Rainfall below normal. Amounts mostly 0.25 to 0.50 in. central. East central amounts from 0.25 to 0.50 in., locally heavier Dillon County with over 2.00 in. Rainfall amounts from 2.00 to 3.00 in. Charleston to Myrtle Beach.

Soil moisture generally adequate except coastal counties wet. Progress made in all field activities, especially spray programs. Tobacco harvested 96%, 96% 1973, marketing near halfway point, quality cured leaf good. Cotton condition down, good progress made spray programs. Setting bolls 99%, 88% 1973, open bolls 4%, 4% 1973. Corn condition fair to good, silage harvest active, matured 61%, 58% 1973. Soybean condition good, insects causing concern; spray programs operative since rain, blooming 89%, 72% 1973, setting pods 59%, 61% 1973. Peanut condition fair to good, harvested 39%. Grape harvest 64%, 60% 1973. Pasture condition good to excellent.

SOUTH DAKOTA: Warm days, cool nights, temperatures 2 to 5° above normal. Extremes: 105° at Oelrichs and Gettysburg on 19th, 39° at Shadehill Dam on 22d. Scattered hail damage mainly at Oelrichs. Rain heaviest extreme southeast and southwest. Seasonal amounts 2 to 6 in. below normal.

Corn 60% in dough or past, normal 64%. Soybean prospects vary widely. Flax 76% harvested, normal 56%. Fall plowing 26% completed, about normal. Seeding winter wheat and rye beginning, moisture needed for germination. Livestock good, being fed green chop and turned on stubble fields. Many stock dams low or dry.

TENNESSEE: Scattered showers and thundershowers over State 19th and 20th. Local rainfall averaged 0.50 to 1.00 in. with heavier amounts in middle Tennessee. Near normal temperatures continued all week.

Soybeans in good to excellent condition, one week later than 1973, two weeks later than normal, 80% bloomed, 35% set pods. Early frosts could be damaging. Cotton 85% set bolls, normal near 100%, prospects improved but plants short. Boll weevils increasing. Late corn helped greatly, early corn poor condition more than usual but for silage, 40% dented, 75% in or past dough stage, unchanged from 1973, one week later than usual. Barley 20% harvested, same as 1973 and normal. Tobacco improved considerably last two weeks, still below average.

TEXAS: Above normal rainfall, below normal temperatures dominated west past week; near normal conditions elsewhere. High Plains rain heavy some locations. Morton 7.20 in., Littlefield 6.92 in. Above normal rain also Upper Gulf Coast. Weekly temperatures 5° below normal High Plains, Trans-Pecos area. Elsewhere, low to mid 80's.

Cotton, sorghum, corn harvest satisfactory progress. Peanut harvest good progress south and south-central, early yields fair. Prospects second crop south excellent. Land preparation underway fall wheat and oat crop. Early wheat fields seeded High Plains. Recent rains supplied good planting moisture.

Major crops percent harvested: Cotton 14, 1973 3, corn 34, 1973 9, sorghum 51, 1973 38, rice 77, 1973 40, peanuts 12, 1973 7.

High Plains: Harvest potatoes, onions final

stages, cabbage, cucumber, and watermelon harvest continues low volume. Early vegetable harvest about over, late vegetables carrots, bell peppers, tomatoes and fall lettuce developing well. Trans-Pecos: Harvest of green chili peppers and tomatoes 75% complete, cabbage harvest continues Culberson County. Hail caused considerable damage lower below El Paso. North: Watermelon and cantaloupe harvest active but declining. Many other vegetables still being harvested. Central and East: Melon harvest continues, sweet potato harvest full swing in Morris County. Fall cowpeas are being planted. Coastal Bend: Land preparation for planting of fall vegetables continues, some blackeyed peas planted. San Antonio-Winter Garden: Carrots, cabbage and peppers being planted, early fields of cabbage and carrots up to good stand. Squash, peas and tomatoes making good growth. Lower Rio Grande Valley: Early seeding fall vegetables underway, heavy irrigation necessary due to hot, dry weather. Peach harvest complete most other areas. Irrigated and improved pecans. West in generally excellent condition, Central, pecans developing fairly well but considerable infestations of aphids, some weevils apparent. Shedding generally greater than normal due dry weather. Routine citrus grove care continues in lower valley.

Moderate heavy rains High and Low Plains relieved drought conditions. Ranges improving grazing available into early fall. Some localities missed and grazing, stock water still short. Ranches Low Plains culling herds because inadequate pasture. Hay baling active, short moisture restricted yields. Fall sheep and goat shearing underway Low Plains. Cross-Timbers, Edwards Plateau.

UTAH: Drought conditions continue with no measurable precipitation reported. Average temperatures during period ranged from near normal to 6° below.

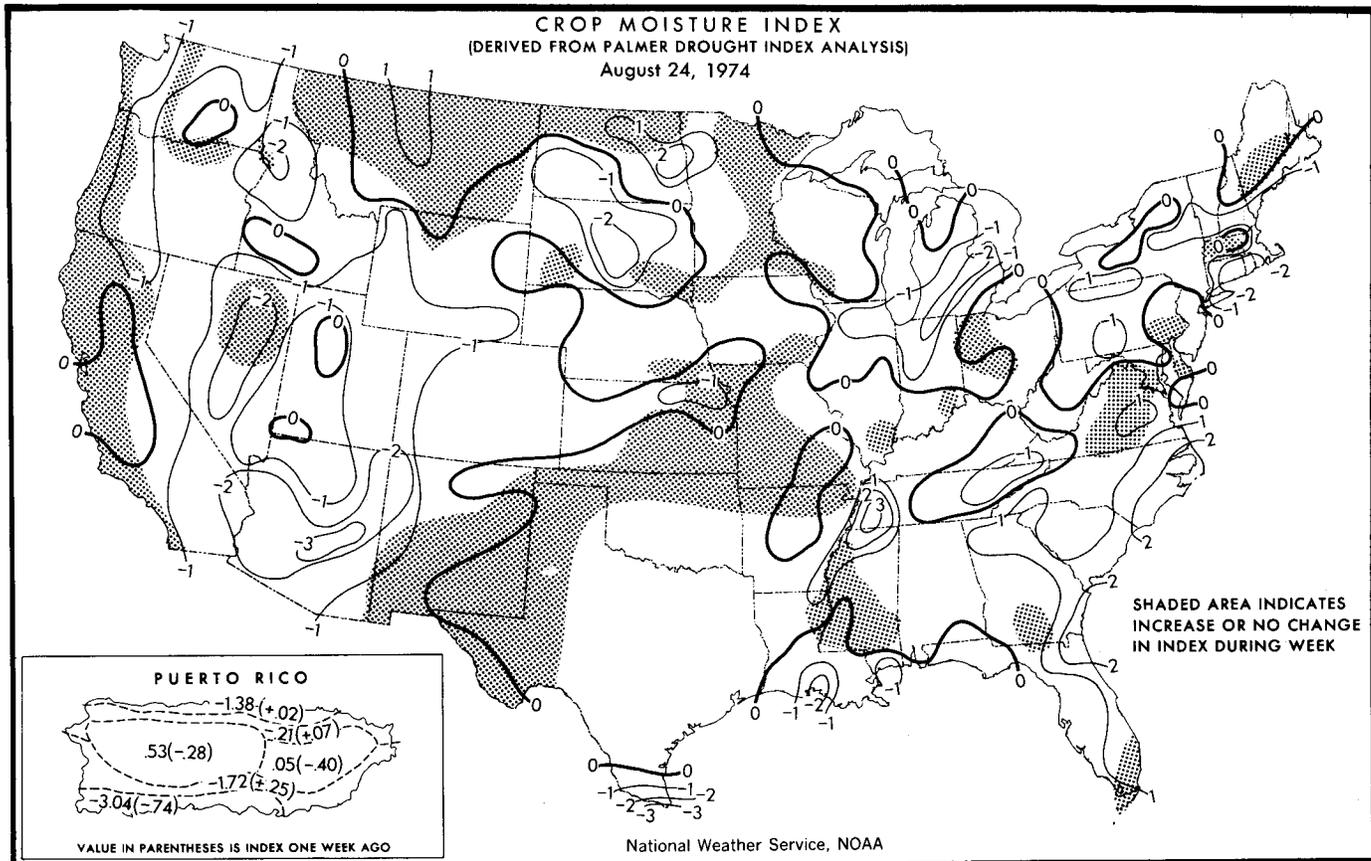
Grain yields and test weights generally lighter than normal due to prolonged drought conditions. Planting of winter wheat started. Harvest of alfalfa seed from 1st crop hayland started in Milard and Juab Counties. Harvest winter wheat 95% completed, 90% spring wheat, 90% barley, and 75% oats. Harvest early peaches in progress. Vegetable crop harvest over 80% completed for sweet corn, 90% snap beans. Range feed rated poor to fair. Livestock condition fair to good, weight gains below normal.

VIRGINIA: Frequent showers and thunderstorms. Heaviest precipitation central and north. Temperatures slightly above normal. Extremes: 91 and 51°.

Fieldwork: 4.2 days suitable. Topsoil moisture 11% short, 76% adequate, and 13% surplus. Most crops continue showing improvement. Corn silage harvest progressing well. Corn grain harvest started. Soybeans good condition, insects and weedy fields caused problems. Peanuts good vine growth leafspot and white mold controls necessary. Tobacco harvested: Flue-cured, 34%, 1973 29%; fire-cured, 14%, 1973 8%; burley, 8%, 1973 1%; sun-cured 9%, 1973 1%. Sweetpotato harvest started. Pastures and hay improved. Peach harvest near end, apple harvest near. Land preparation fall seeding underway.

WASHINGTON: West: Temperatures slightly below normal. Rain 0.01 to 0.50 in.

Blueberry, blackberry harvest continued. Green pea, bush bean, cucumber, corn and vegetable har-



SHADED AREAS: Index increased or did not change last week

UNSHADED AREAS: Index decreased last week

Index

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 good, 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
 Below -4.0 Not enough rain, still extremely dry

Above 3.0 Some drying, but still excessively wet
 2.0 to 3.0 More drying weather needed, work delayed
 1.0 to 2.0 Favorable, except still too wet in spots
 0 to 1.0 Normal growth and fieldwork
 0 to -1.0 Topsoil moisture short, germination slow
 -1.0 to -2.0 Abnormally dry, prospects deteriorating
 -2.0 to -3.0 Too dry, yield prospects reduced
 -3.0 to -4.0 Potential yields severely cut by drought
 Below -4.0 Extremely dry, most crops near ruin

The map gives a general picture of how wet or dry the Nation was last week. It shows areas where abnormal wetness or dryness have hindered crops and areas where moisture conditions have favored them.

The lines show the crop-moisture situation according to an index computed from values of temperature and precipitation by areas...350 climatological divisions, which correspond roughly to SRS's crop reporting districts. Previous weekly computations of soil moisture account for the effects of prior weather.

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

The centers of wet or dry areas are marked: W=wet; D=dry. The map lines mark off crop situations. Use the legend to interpret.

Local variations caused by isolated rain or by soil differences are not shown. While shallow rooted crops in poor soils may suffer more than the map shows, conditions may be better where soils are good. Also, legends apply to growing rather than mature plants. Any map interpretation must consider both the growth stage and moisture status and trend. In irrigated regions, the index values reflect only departures from ordinary irrigation requirements.



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vest active. Pasture condition average.

East: Temperatures 1 to 4° subnormal. No measurable rain.

Harvesting peaches, prunes and bartlett pears. Mint potato, bean, corn silage harvest active. Winter wheat harvest nearly complete. Spring barley and wheat remain east-central. Seeding 1975 winter wheat started.

WEST VIRGINIA: Temperatures near normal except warmer northeast. Precipitation subnormal.

Soil moisture mostly adequate. Fieldwork averaged 4.9 days. Major activities: Harvesting hay, oats and vegetables and clipping pastures. Vegetables mostly good condition except some tomatoes badly blighted. Potatoes 32% harvested, 1973 22%. Corn 10% pre-silked, 42% silked, 45% dough and 3% dented. Tobacco 41% topped, 1973 62%. First tobacco harvested. Second cutting hay slow, 58% harvested.

WISCONSIN: Temperatures averaged near normal. Highs upper 80's and low 90's 19th and 21st. Lows in 30's and 40's on 24th. Spotty showers 21st and 22d. Heaviest at Oconomowoc, 1.75 in. 22d while nearby Milwaukee had only trace.

Corn crop looks good most areas, needs frost free September to mature for grain. Corn 33%

in dough, 1973 45%, normal 40%. Early corn starting to dent, some late corn just tasseling. Oats harvest nearing end with 80% combined. 1973 75%, normal 85%. Yields on oats and other small grains very good with abundant straw. Second crop hay 75% harvested, 1973 70%, normal 75%. Soybeans doing well except where hurt by dry weather on sand. Tobacco topping continues. Pastures improved with rainfall. Early apples appearing at roadside stands, sweet corn harvest underway. Harvesting of snap beans, beets, carrots, fair to good crops depending on irrigation and moisture received. Soil moisture 33% short, 67% adequate.

WYOMING: Temperatures and rainfall below normal. Temperatures averaged almost 2° below normal with exception of Big Horn Drainage, precipitation spotty and amounts to only .02 in. across most of State.

Barley 73% harvested 60% 1973. Spring wheat 75% harvested and oats 60% harvested a little ahead of 1973. Winter wheat seeding underway, nearly 15% planted. Corn in milk to dough stage about same as 1973. Alfalfa 2nd cutting 65% complete up from 1973, 55%. Other hay 89% cut. Topsoil moisture generally short but some northern localities adequate. Pasture and range conditions fair and moisture still needed to boost fall grazing prospects.

Standard copy for the weekly Weather and Crop Bulletin is prepared by: Richard E. Felch, Lyle M. Denny, Orus W. Byrd, National Weather Service, NOAA; DeLon A. Brown, Nancy J. Burt, Statistical Reporting Service, USDA.