

Weekly Weather & Crop Bulletin

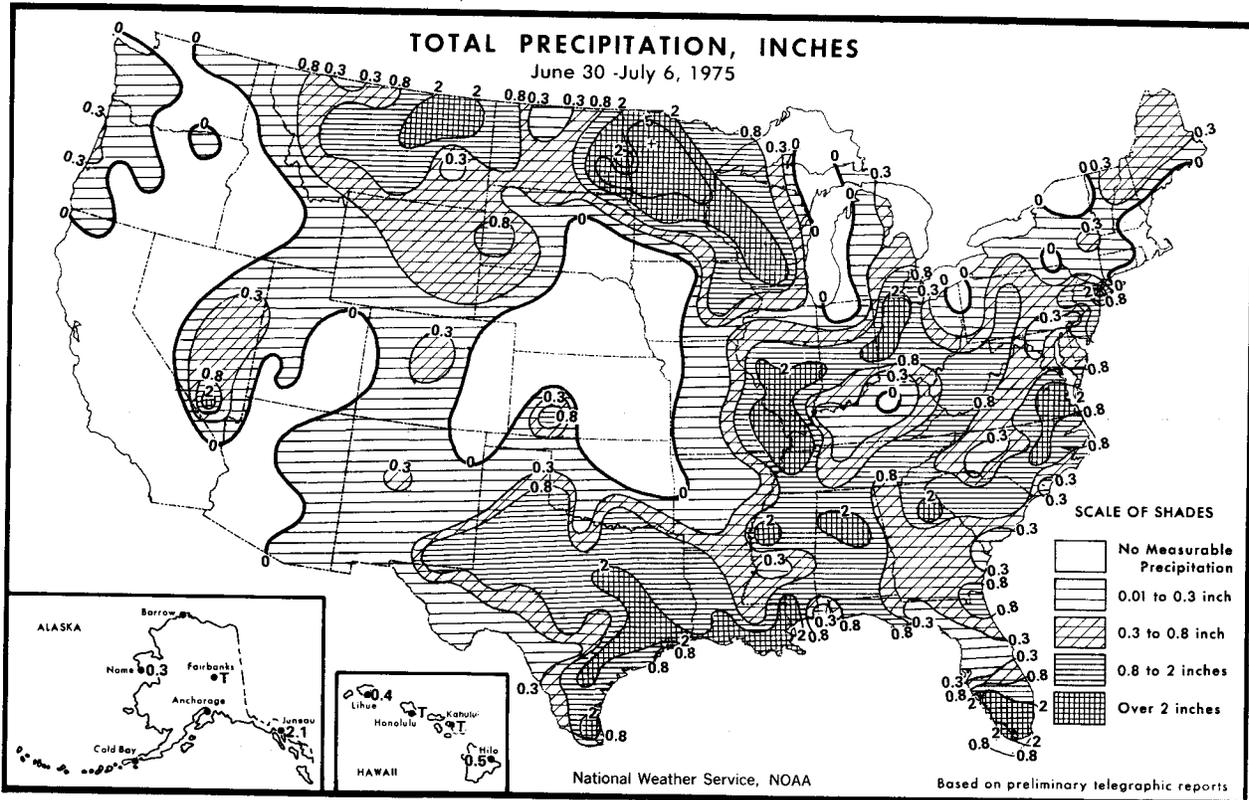
U. S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration

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NATIONAL WEATHER SUMMARY

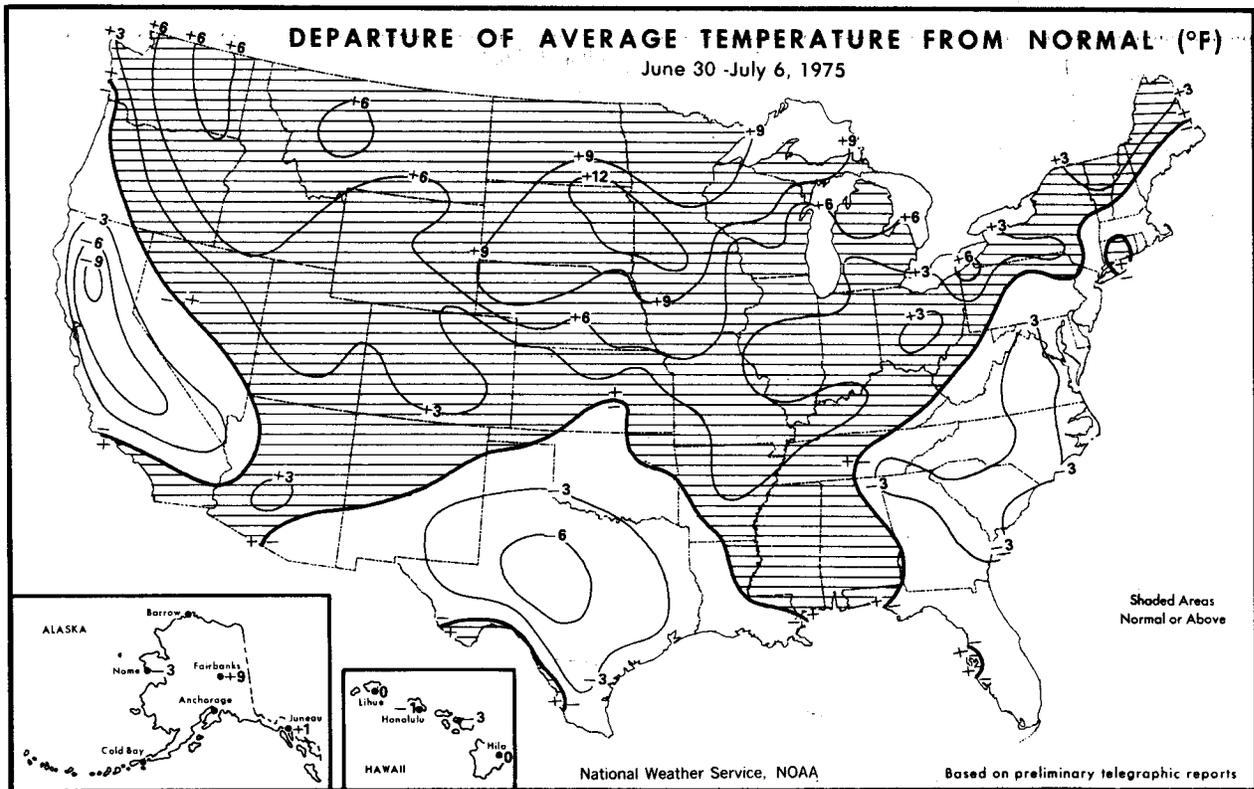
For the Week of June 30-July 6

HIGHLIGHTS: Severe flooding in the Red River Valley of the North and its tributaries has laid waste many thousands of acres of valuable farm land. The full extent of the damage is not yet known. Elsewhere a flash flood roared into Las Vegas, Nev. on Thursday and caused the death of two people and an estimated million dollars in property damage. Warm muggy weather dominated most of the Northern and Central States causing several air pollution alerts to be called.

PRECIPITATION: The beginning of the week was dominated by the severe flooding in the Red River Valley of the North and its tributaries. Southeastern North Dakota and northeast Minnesota were the hardest hit. The James River, in southeast North Dakota, also devastated many acres of farmland. The severe thunderstorms and heavy rain seemed to orig-

inate in North Dakota, became most intense near the Red River and moved on into Minnesota. Elsewhere thunderstorms hit from central Texas, along the Gulf Coast and to South Carolina. A few storms were reported in North Carolina and Virginia. Oregon and the northern Rockies were dotted with showers.

A lazy high pressure extending from Texas to New England and from the upper Mississippi Valley to Florida and a series of low pressures in the Rockies extending into the Dakotas dominated the weather on Tuesday and Wednesday. Record flooding continued in the Red River Basin in North Dakota and Minnesota and the drainages of the Sheyenne and the James River in southeast North Dakota. Thunderstorms and heavy rain continued and gradually moved more northerly but the deluge slowed the drainage of the southern part of the river and worsened the flooding. Some abatement of the storms



was seen on Wednesday. Thunderstorms occurred from west-central Texas into Tennessee and western South Carolina and throughout the Gulf States. Showers developed into thunderstorms from the Pacific Northwest through Montana.

The pattern changed some on Thursday and thunderstorms were reported throughout Texas and east to Alabama and north to south Oklahoma and Arkansas. A cold front moving south triggered showers and some severe weather from Wisconsin to Virginia and through the Lakes and New England. Golf ball size hail fell in southern Wisconsin and in northern Ohio. The northern Rockies experienced showers which developed into evening thunderstorms. A drastic flash flood occurred in Las Vegas, Nevada in the afternoon as a result of sudden heavy rain in the vicinity.

The Fourth of July saw some respite in the concentration of thunderstorms. Widely scattered storms occurred in Texas and Oklahoma, a few along the Gulf Coast and in Tennessee and the Ohio River Valley. More numerous storms were reported from South Carolina to Maryland and in northern New England. More rain fell in the troubled Red River Valley. Light showers from Nevada to Montana completed the picture.

On Saturday thunderstorms were concentrated in the upper Mississippi Valley with the greatest activity in the vicinity of northeast Iowa. Other heavy storms were near the confluence of the Ohio and Mississippi Rivers. Widespread storms occurred in the Plains, from Indiana south through Alabama and in the Southeast. Tornadoes were reported in Indiana, South Dakota and Florida. Hail of one to two inches fell in Illinois.

After some weakening early Sunday the storms intensified again with most activity being noted from the western Great Lakes to the Middle Mississippi

Valley and from the southern Appalachians to the Mid-Atlantic Coast. More were found over the central Gulf Coast and Florida. Fifty mph wind was clocked in New Orleans, La. Late in the day thunderstorms began to form along the eastern slopes of the Rockies from Wyoming to Texas.

TEMPERATURE: Average temperatures for the week showed most of the Nation to be above normal. California, Texas, Oklahoma and Louisiana and the East Coast from New England through Georgia and Florida were below normal. The Northern Plains and the Midwest were hot and muggy all week.

On Monday air stagnation advisories were issued for southern Indiana and Ohio and all of Kentucky. Afternoon temperatures were in the 90's and relative humidity in the 70's. Tuesday morning saw record low temperatures in the Southeast and air stagnation continued in the Midwest. Casper, Wyo. had a record high temperature of 95° and Scottsbluff, Neb. 101°.

On Thursday the sweep of hot moist air from the Gulf and the hot dry air from the Southwest brought temperatures above seasonal normals in the Plains, the Mississippi Valley and the Great Lakes States. Temperatures of 100° were reported as far north as South Dakota. Many States issued livestock safety advisories due to hot weather.

A cold front moving south from New England began to cool some areas and stir the circulation in others so that some relief from the air stagnation began on Friday. However on Saturday Little Rock, Ark. reported a low of only 78° - the highest low on record for the date. Except for the Pacific Coast most of the Nation continued to have temperatures in the 80's and 90's on Sunday. However the stagnation and resulting pollution was not as bad as in the early part of the week.

NATIONAL AGRICULTURAL SUMMARY

For the Week of June 30-July 6.

HIGHLIGHTS: Heavy rains in the southern Red River Valley of North Dakota and Minnesota caused widespread flooding, erosion and drown-out of crops. The Nation's winter wheat harvest gained momentum and combining of the 1975 crop passed the halfway mark, still behind the excellent progress in 1974 of 65% done. Hot humid weather over much of the Corn Belt continued to hasten growth and development of corn and soybeans. Soybean planting was rapidly nearing completion.

SMALL GRAINS: Small grain harvest was well along in the Southern States. Above normal temperatures pushed development of small grains in most Northern States.

Winter wheat harvest made rapid gains throughout much of the major growing area. By July 6th, 50% of the 1975 winter wheat crop was harvested, trailing 1974's excellent progress of 65% and normal 56%. In Kansas, wheat harvest moved rapidly with 55% complete versus 95% in 1974 and average 75%. The Oklahoma, wheat harvest was 93% complete; humidity and lack of combines slowed harvest cleanup. Wheat harvest in Texas was rapidly approaching wind-up, with 93% combined against virtually complete in 1974 and 98% normally.

Hot, dry, windy weather accelerated maturity of small grains in South Dakota and winter wheat was 82% turning, still behind last year and normal. Winter wheat harvest was ahead of 1974 and normal in Illinois, Indiana and Ohio. Combining was 10% finished in Nebraska versus 60% in 1974.

Spring planted grains developed at a rapid pace as above normal temperatures existed throughout much of the northern growing area. However, development continues behind normal in most States.

CORN: Hot weather across the major corn growing area continued to spur growth and development of the 1975 corn crop at a rapid pace.

In the North Central States average height of corn ranged from 55 in. in Illinois to 27 in. in South Dakota. Growth in Illinois was more than double the 1974 progress and 20 in. taller than normal. Iowa corn averaged 43 in. high and most advanced averaged 61 in. Corn in both Illinois and Iowa remain in good to excellent condition. The corn crop was 5% tasseled in Iowa; 5% silked in Indiana and 10% silked in Ohio, one week ahead of normal. Growth and development continues ahead of last year in the North Central Region and outpaced the normal progress in all major States in this area except South Dakota.

Dry conditions continued to cause stress in Kentucky, North Carolina, Tennessee, and Virginia, however, some areas were relieved by rain showers.

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

Cotton in the Texas High and Low Plains was making satisfactory progress. Early squares were appearing in the southern High Plains and the crop was fruiting well from the Blacklands southward. In Mississippi, cotton was 46% squaring, behind 67% in 1974 and 69% normal; 11% was blooming. The Arkansas crop was making excellent progress, most fields were clean and squaring was increasing. Cotton in Georgia was in fair to good condition and 50% was setting bolls. Weed and insect control programs continue active and effective in most areas.

Cotton in New Mexico was starting to set

blooms, about 2 weeks late. In Arizona, cotton development was 2 to 4 weeks behind normal. Cool weather in California hampered cotton growth, but squares and blooms were forming.

SOYBEANS: Soybean planting continues in the southern Corn Belt and South. Second cropping acreage is now getting the most attention. Planting in the North Central States was virtually complete except in Kansas and Missouri. Above normal temperatures continued to favor growth and development. Soybeans in Illinois were in mostly good to excellent condition and the crop was 90% full stand. In Iowa, the crop progressed well as blooming and podding started on early fields. Weed problems continue in many areas. Average height in Ohio was 15 in., followed by 13 in. in Indiana. Planting was virtually complete in the South Atlantic States and 93% finished in the South Central Region. In Mississippi, planting was 92% done while in Arkansas 96% complete, both continued ahead of the 1974 level.

OTHER CROPS: Sorghum planting was virtually complete in the 7 major producing States. Some planting was still being done in Kansas and Missouri. Sorghum harvest reached 7% complete in Texas where rain delayed progress.

Haying continued on many of the Nation's farms as weather permitted. First cutting of alfalfa lags the normal pace in most States, however, second cutting has started in some areas.

Tobacco transplanting was nearly complete in Maryland and Wisconsin. Flue-cured tobacco harvest started in Virginia; was 4% harvested in North Carolina; 15% in South Carolina and 26% in Georgia. Harvest trails the 1974 and normal level in most areas. About half the tobacco in Kentucky averages 12 in. or more high.

Georgia peanuts were in good condition with 87% blooming and 60% pegging. Peanut planting in Texas was on schedule with 97% of the acreage in.

FRUITS AND NUTS: Peach harvest reached 73% complete in Georgia; 36% in South Carolina; and 47% in North Carolina. Harvest started in Virginia, was active in Arkansas, California, Mississippi, and Texas. Early cooking apples were available in New Jersey. Sweet cherry harvest was about finished in the New York Hudson Valley but just beginning on the States west-side. Sweet cherry harvest was active in Michigan and tart cherries were ripening fast. Picking of early cherries was underway in Wisconsin.

VEGETABLES: Vegetables were making rapid growth in Michigan, but the hot weather was taking its toll on peas in Wisconsin. Vegetable harvest was active in New England and New Jersey; and lettuce harvest was increasing in New York. Onion harvest was nearing completion in the Texas Trans Pecos area, but gaining momentum on the High Plains. California vegetables were in good supply for broccoli, cauliflower, and carrots, while harvest was light on celery and lettuce.

PASTURES AND LIVESTOCK: Pastures in many areas of the Appalachian and South Atlantic States were of low forage value and some supplemental feeding was required. Livestock remain in mostly good condition throughout much of the Nation. Ranges and pastures were in excellent condition in Texas and abundant grazing was helping to maintain livestock in better than average condition. Flies and pinkeye continue bothersome in many areas.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., July 6, 1975

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	81	+ 2	2.1	+ .9	La. Baton Rouge . . .	82	0	.4	-.9	Youngstown . . .	73	+ 3	T	-.9
Mobile . . .	82	+ 1	.3	-1.6	Lake Charles . . .	80	- 2	1.3	-.1	OKLA., Okla. City . . .	79	- 1	.2	-.5
Montgomery . . .	82	+ 1	1.1	-.1	New Orleans . . .	80	- 1	2.7	+1.3	Tulsa . . .	82	+ 1	0	-.9
ALASKA. Anchorage . . .	---	---	---	---	Shreveport . . .	81	- 1	1.0	+ .3	OREG. Astoria . . .	57	- 2	.3	-.1
Barrow . . .	---	---	---	---	MAINE. Caribou . . .	67	+ 3	.5	-.4	Burns . . .	69	+ 4	0	-.1
Fairbanks . . .	70	+ 9	T	-.4	Portland . . .	65	- 1	T	-.6	Medford . . .	67	- 2	T	-.1
Juneau . . .	56	+ 1	2.1	+1.2	MD. Baltimore . . .	74	- 2	.3	-.6	Pendleton . . .	78	+ 7	T	-.1
Kodiak . . .	---	---	---	---	MASS. Boston . . .	72	0	0	-.6	Portland . . .	66	+ 1	.2	0
Nome . . .	46	- 3	.3	-.1	Chatham . . .	66	0	0	---	Salem . . .	65	0	.2	0
ARIZ. Flagstaff . . .	65	+ 1	.1	-.3	MICH. Alpena . . .	72	+ 7	.7	+ .1	PA. Allentown . . .	72	- 1	1.1	+ .2
Phoenix . . .	93	+ 3	T	-.1	Detroit . . .	75	+ 3	1.1	+ .4	Erie . . .	74	+ 6	0	-.8
Tucson . . .	85	- 1	.1	-.2	Flint . . .	72	+ 3	.5	-.2	Harrisburg . . .	73	- 2	.3	-.5
Winslow . . .	77	0	.1	-.1	Grand Rapids . . .	73	+ 2	T	-.8	Philadelphia . . .	74	- 2	.2	-.7
Yuma . . .	91	0	0	0	Houghton Lake . . .	72	+ 2	.2	-.6	Pittsburgh . . .	72	+ 1	.3	-.5
ARK. Fort Smith . . .	81	0	T	-.8	Lansing . . .	73	+ 3	.6	-.1	Scranton . . .	72	+ 1	.2	-.7
Little Rock . . .	84	+ 3	T	-.8	Marquette . . .	75	+10	0	-.8	R.I. Providence . . .	70	- 1	0	-.6
CALIF. Bakersfield . . .	77	- 5	0	0	Muskegon . . .	74	+ 5	T	-.6	S.C. Charleston . . .	78	- 2	.3	-1.5
Eureka . . .	55	- 1	0	-.1	S. Ste. Marie . . .	70	+ 8	.3	-.4	Columbia . . .	78	- 3	1.8	+ .6
Fresno . . .	72	- 7	0	0	MINN. Duluth . . .	70	+ 6	1.4	+ .5	Greenville . . .	76	- 2	1.4	+ .4
Los Angeles . . .	72	+ 1	0	0	Internat'l Falls . . .	71	+ 6	1.0	0	S.D. Aberdeen . . .	83	+13	T	-.8
Red Bluff . . .	72	- 9	0	-.1	Minneapolis . . .	79	- 8	1.1	+ .2	Huron . . .	83	+11	T	-.7
San Diego . . .	68	0	0	0	Rochester . . .	78	+ 9	.2	-.8	Rapid City . . .	78	+ 8	1.4	+ .7
San Francisco . . .	60	- 2	0	0	St. Cloud . . .	77	+ 8	1.3	+ .5	Sioux Falls . . .	84	+12	T	-.8
Stockton . . .	69	- 7	0	0	MISS. Jackson . . .	82	+ 1	.1	-.8	TENN. Chattanooga . . .	73	- 5	.4	-.7
COLO. Denver . . .	75	+ 4	.5	+ .1	Meridian . . .	82	+ 1	.8	-.3	Knoxville . . .	77	- 1	1.2	+ .2
Grand Junction . . .	79	+ 2	T	-.1	MO. Columbia . . .	79	+ 3	.1	-.9	Memphis . . .	83	+ 2	.7	-.1
Pueblo . . .	79	+ 4	T	-.4	Kansas City . . .	83	+ 5	0	-1.2	Nashville . . .	80	+ 1	.3	-.5
CONN. Bridgeport . . .	73	+ 1	T	-.7	St. Louis . . .	79	+ 1	1.4	+ .4	TEX. Abilene . . .	77	- 6	1.2	+ .6
Hartford . . .	73	+ 1	.1	-.7	Springfield . . .	79	+ 2	.2	-.8	Amarillo . . .	76	- 2	.2	-.5
D.C. Washington . . .	78	0	.2	-.6	MONT. Billings . . .	75	+ 6	1.6	+1.2	Austin . . .	80	- 4	.4	-.1
FLA. Apalachicola . . .	80	- 1	1.9	+ .2	Glasgow . . .	74	+ 6	3.5	+3.0	Beaumont . . .	82	- 1	2.1	+ .8
Daytona Beach . . .	80	- 1	.3	-1.3	Great Falls . . .	72	+ 5	.9	+ .4	Brownsville . . .	83	- 1	.5	+ .1
Ft. Myers . . .	81	- 1	4.2	+2.0	Havre . . .	73	+ 6	.5	0	Corpus Christi . . .	84	0	1.2	+ .8
Jacksonville . . .	79	- 2	1.7	+ .1	Helena . . .	70	+ 5	1.6	+1.2	Del Rio . . .	87	+ 1	.1	-.2
Key West . . .	84	0	.5	-.6	Kalispell . . .	78	+ 8	.2	-.2	El Paso . . .	80	- 2	.1	-.2
Lakeland . . .	80	- 1	.2	-1.6	Miles City . . .	70	+ 7	.2	-.4	Fort Worth . . .	81	- 3	.8	+ .3
Miami . . .	80	- 2	2.8	+1.0	Missoula . . .	71	+ 7	.2	-.1	Galveston . . .	81	- 2	.5	-.6
Orlando . . .	79	- 2	.1	-1.9	NEBR. Grand Island . . .	80	+ 5	0	-.9	Houston . . .	80	- 3	2.2	+1.2
Tallahassee . . .	80	- 1	.2	-1.8	Lincoln . . .	82	+ 6	0	-1.0	Lubbock . . .	75	- 4	1.2	+ .6
Tampa . . .	82	+ 1	.1	-1.8	Norfolk . . .	82	+ 8	0	-.9	Midland . . .	77	- 5	1.9	+1.5
W. Palm Beach . . .	78	- 3	1.9	+ .2	N. Platte . . .	79	+ 6	T	-.8	San Angelo . . .	77	- 7	.5	+ .2
GA. Atlanta . . .	77	- 1	.6	-.5	Valentine . . .	82	+ 8	0	-1.0	San Antonio . . .	79	- 5	T	.5
Augusta . . .	76	- 4	.7	-.4	NEV. Ely . . .	82	+10	.2	-.5	Victoria . . .	83	- 1	1.0	+ .3
Macon . . .	79	- 2	.7	-.3	Las Vegas . . .	85	+ 2	.6	+ .4	Waco . . .	80	- 5	1.0	+1.6
Savannah . . .	78	- 3	.1	-1.6	Reno . . .	65	- 2	0	-.1	Wichita Falls . . .	82	- 3	.1	.5
HAWAII. Hilo . . .	75	0	.5	-1.3	Winnemucca . . .	68	0	T	-.1	UTAH. Blanding . . .	73	- 2	0	-.1
Honolulu . . .	79	- 1	T	-.1	N.H. Concord . . .	68	- 1	T	-.8	Salt Lake City . . .	78	+ 4	T	.2
Kahului . . .	75	- 3	T	-.1	N.J. Atlantic City . . .	71	- 3	1.1	+ .2	VT. Burlington . . .	72	- 3	T	-.8
Lihue . . .	78	- 8	.4	0	Trenton . . .	74	- 1	.4	-.6	VA. Lynchburg . . .	71	- 4	.5	-.4
IDAHO. Boise . . .	79	+ 8	0	-.1	N. MEX. Albuquerque . . .	78	0	.6	+ .4	Norfolk . . .	76	- 2	2.7	+1.6
Lewiston . . .	77	+ 6	T	-.2	Roswell . . .	76	- 3	.1	-.3	Richmond . . .	73	- 4	2.0	+ .9
Pocatello . . .	73	+ 5	T	-.2	N.Y. Albany . . .	70	- 1	.7	0	Roanoke . . .	73	- 1	.5	-.3
ILL. Cairo . . .	83	+ 3	2.9	+2.1	Binghamton . . .	73	+ 5	T	-.8	WASH. Colville . . .	72	+ 6	T	-.2
Chicago . . .	78	+ 4	.3	-.7	Buffalo . . .	74	+ 5	.3	-.3	Omak . . .	73	+ 4	.2	0
Moline . . .	78	+ 4	.2	-.9	New York . . .	74	+ 2	2.2	+1.4	Quillayute . . .	61	+ 3	T	-.6
Peoria . . .	77	+ 2	.6	-.3	Rochester . . .	73	+ 2	.3	-.3	Seattle-Tacoma . . .	68	+ 5	T	-.2
Rockford . . .	76	+ 4	.6	-.5	Syracuse . . .	72	+ 1	.1	-.6	Spokane . . .	74	+ 7	T	-.2
Springfield . . .	77	+ 1	1.1	+ .1	N.C. Asheville . . .	71	- 2	.8	-.3	Walla Walla . . .	78	+ 5	T	.1
IND. Evansville . . .	80	+ 3	.3	-.5	Charlotte . . .	76	- 2	.3	-.7	Yakima . . .	76	+ 7	T	-.1
Ft. Wayne . . .	75	+ 2	T	-.9	Greensboro . . .	76	- 1	.1	-.9	W. Va. Beckley . . .	68	- 2	1.6	+ .5
Indianapolis . . .	76	+ 1	1.6	+ .7	Hatteras . . .	75	- 2	.6	-.7	Charleston . . .	74	- 1	1.6	+ .6
South Bend . . .	75	+ 3	T	-.9	Raleigh . . .	73	- 4	.6	-.4	Huntington . . .	76	+ 1	.6	-.3
IOWA. Burlington . . .	79	+ 4	.4	-.6	Wilmington . . .	77	- 3	-1.1	-1.7	Parkersburg . . .	76	+ 1	.9	-.1
Des Moines . . .	81	+ 7	T	-.9	N. DAK. Bismarck . . .	75	+ 6	.5	-.2	WIS. Green Bay . . .	73	+ 5	.5	-.3
Dubuque . . .	74	+ 3	.9	-.2	Fargo . . .	77	+ 8	.7	-.1	La Crosse . . .	77	+ 5	1.0	+ .1
Sioux City . . .	80	+ 6	0	-.9	Williston . . .	75	+ 7	.8	+ .2	Madison . . .	74	+ 5	4.2	+3.2
KANS. Concordia . . .	81	+ 5	0	-.9	OHIO. Akron-Canton . . .	73	+ 2	T	-.9	Milwaukee . . .	73	+ 4	.1	-.7
Dodge City . . .	79	+ 1	1.6	+ .9	Cincinnati . . .	76	+ 1	T	-1.0	WYO. Casper . . .	74	+ 6	.4	+ .1
Goodland . . .	75	+ 1	0	-.6	Cleveland . . .	71	0	T	-.8	Cheyenne . . .	69	+ 2	.2	-.3
Topeka . . .	79	+ 2	0	-1.2	Columbus . . .	76	+ 3	1.0	0	Lander . . .	71	+ 3	.2	-.1
Wichita . . .	79	- 1	0	-1.1	Dayton . . .	75	+ 1	3.2	+2.4	Sheridan . . .	71	+ 4	.3	-.1
KY. Lexington . . .	78	+ 2	T	-1.1	Toledo . . .	73	+ 1	2.9	+2.1	P.R. San Juan . . .	---	---	---	---
Louisville . . .	79	+ 3	.4	-.5										

Based on 1941-70 Normals

Standard copy for the Weekly Weather and Crop Bulletin is prepared by: Dr. Richard E. Felch, Lyle M. Denny, Orus W. Byrd, National Weather Service, NOAA; Delon Brown, Statistical Reporting Service, USDA.

STATE SUMMARIES OF WEATHER AND AGRICULTURE

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by SRS State offices in cooperation with the National Weather Service, NOAA.

ALABAMA: Many areas received rain, heaviest on 6th and 7th. More concentrated northern areas. Temperatures near to slightly above normal.

Fieldwork: 5 days suitable. Corn 57% tasseled, 53% 1974. Corn starting to dent. Soybeans 15% blooming. Cotton 75% squaring, 71% 1974; setting bolls, 14%, 15% 1974. Peanuts pegging 52%, 61% 1974. Wheat harvest virtually complete. Hay 63% saved. Some areas need rain.

ALASKA: Temperatures near normal most areas. Precipitation below normal at all stations except Kodiak.

Several hundred acres of grass has been cut with much of it remaining to be baled in Tanana and Matanuska Valley. Topsoil moisture supply short in parts of Tanana Valley but adequate throughout remainder of Railbelt. Grains generally in preboot to boot development stage, however, some barley at Salcha was waist high and headed.

ARIZONA: Moist air covered State. Rainfall near normal mountains and southeast. Little or no rainfall southwest desert. Temperatures near normal.

Cotton 2 to 4 weeks behind normal. Harvest small grains active. Safflower good progress. Grain sorghum good growth. Sugarbeet harvest active. Alfalfa hay cutting full swing. Cantaloup, watermelon harvest past peak Yuma, full swing, Salt River Valley. Harvest mixed vegetables seasonal progress. Plum, grape harvest active. Picking Valencia oranges, grapefruit Yuma, Salt River Valley. Ranges dry except mountain pastures, spotty locations. Water supplies below normal. Cattle, calves good condition.

ARKANSAS: Temperatures deviated from normal -2 to +3° for week. Below normal temperatures were confined to extreme southwest. Extremes: 99 and 58°. Rainfall continued widely scattered. Most areas received no rainfall.

Soil moisture adequate to short. Fieldwork: 6 days favorable. Cotton making excellent progress, fields clean; squaring increasing, some plants showing early blooms; irrigation in use. Rice crop prospects good, nitrogen being applied; few weedy levees; evaporation rate very high. Soybeans 96% planted, 91% 1974, 93% average. Most fields weed-free. Sorghum making excellent growth, setting grain in early fields. Silage corn in soft dough stage. Ideal second cutting alfalfa, grass harvest, regrowth needs rain. Pastures providing adequate grass, need rain for growth. Producers culling herds to remove feeding pressure on pastures. Apples and peaches moving to market. Tomato harvest 50% complete.

CALIFORNIA: Fair, cool weather over inland north and central. Scattered afternoon and evening thundershowers northeast on 4th. Cooling low inland valleys north and central by midweek, highs generally in 80's. Coastal highs from 50's north to 70's south. Averages ranged from slightly below normal coastal areas and southeast deserts to 10° below Sacramento Valley and Northern Mountains.

Barley harvest well along, wheat continues. Rice planting complete, weed control active. Cotton growth hampered by cool weather; squares, blooms forming. Sugarbeets good growth. Alfalfa

still cut. Milo and corn still planted. Walnuts, almonds size well. Cherry harvest about complete. Apples being thinned, sizing well. Valencia orange harvest active, good quality. Picking Black Mission figs underway. Peaches, apricots, pears developing well. Avocado harvest continues. Desert table grape harvest continues, Thompsons slow. Vineyards being cultivated. Mite, hopper, mildew controls applied. Lemon picks continue mature. Broccoli heavy Salinas, Santa Maria. Cauliflower supply good Salinas. Cantaloups underway Bakersfield. Carrot digging normal Salinas, Desert complete. Celery cutting light. Honeydew increasing Palo Verde. Lettuce slowed central coast. Potato continues Kern. Market tomato increasing San Joaquin; some increase south. Processing tomato active south. Supplemental feeding cattle where feed depleted.

COLORADO: Temperatures 2 to 6° above normal, except southern mountains below normal. Midweek temperatures over 100° southeast. Showers mountains through week, northeast 5th, southeast 6th.

Winter wheat 5% harvested, 60% 1974, 27% average; 72% turning color, 10% ripe. Harvest 30% complete southeast. Condition good except southeast, poor. Winter barley good condition, except southeast fair; 77% turning, 9% ripe; 5% harvested, 49% 1974, 23% average. Oats, spring barley good condition. Row crops good condition. Corn, sugarbeet cultivation completed. Irrigation active. Potatoes and lettuce had frost, wind damage San Luis Valley last week June. First cuttings alfalfa 66% complete, yield above average. Range, pasture and livestock good condition.

FLORIDA: Temperatures continued a little below normal. Almost daily showers, some heavy rainfall in south. Showers north and central most numerous early week, again over weekend.

Soil moisture short Gulf Coast and northern counties, adequate elsewhere. Harvesting corn for silage and grain. Crop condition variable. Peanuts and soybeans good condition. Soybean planting about complete. Tobacco harvest full swing. Sugarcane good condition. Good to excellent pastures are providing abundant forage supplies. Cattle, calves good condition. Calf marketing underway and increasing. Citrus trees, new crop fruit excellent condition. Rains spotty, some irrigation on high sand hills. New crop fruit sizing well. Valencia orange harvest continues. Watermelon harvest declining, volume moving westward. Sweet corn harvest virtually complete. Celery harvest over.

GEORGIA: Temperatures 1° below normal north and extreme south, 3 to 5° elsewhere. Rainfall averaged 1.00 to 1.70 in. north, 0.50 to 1.00 in. southwest. Elsewhere rainfall ranged from 0.20 to 0.40 in. Bartow County in northwest had 3.66 in. from 28th to 4th. Scattered showers produced near 1.00 in. north and central on the 6th.

Prior to fairly general weekend rains, soil moisture mostly short to very short south half, mostly adequate north. Fieldwork very active, 5 days suitable. Crop conditions declined. Corn condition fair to mostly good, a significant decline. Moisture shortages and northern leaf blight major factors. Soybeans fair to mostly

good, but weaker. Cotton fair to mostly good, a retreat; 50% setting bolls. Peanuts good but some decline; 87% blooming, 60% pegging. Tobacco 26% harvested, average 37%, 1974 32%. Peaches 73% picked, average 63%, 1974 78%. Watermelons fair to mostly good, 32% harvested. Hay harvest very active. Pastures declined to fair to mostly good. Cattle fair to mostly good.

HAWAII: Wet conditions continued in Kona, Hawaii. Hamakua coast remained dry.

Favorable weather other areas keeping crop condition fair to good. Irrigation heavy and spraying frequent some areas. Vegetable and melon supplies adequate. Banana supplies light. Papaya supplies adequate. Pastures poor to fair. Pineapple harvesting remained active. Sugar harvesting steady.

IDAHO: Temperatures averaged near normal north, 1 to 5° above normal south. Maximum temperatures warmed into low 100's southwestern valleys near end of period. Precipitation confined to few light showers north.

Warm, dry weather allowed grain crops and ranges excellent progress. Most crops behind normal, but catching up. Cherry harvest coming into full swing. Other fruits progressing smoothly. Several potato fields dry stress as weather caught growers by surprise. Spring wheat 20% headed, 75% 1974. Winter wheat 55% headed, 100% 1974. Spring barley 25% headed, 85% 1974. Oats and mixed grain 30 and 45% headed, respectively. Potato fields 5% closing middles, 10% 1974. Green peas 20% ready for processing. Blocking and thinning sugarbeets 90% complete. First cutting alfalfa 45% cut. Pastures good to excellent condition. Livestock excellent condition.

ILLINOIS: Temperatures 3 to 5° above normal north, 1 to 3° above normal south. Precipitation less than 0.25 to over 0.50 in. north. Heavy rains south weekend.

Corn mostly good to excellent; average height 55 in., 24 in. 1974, average 35 in. Soybeans mostly good to excellent; crop 90% full stand. Winter wheat 85% combined, 83% 1974, average 77%. Oats 75% turned yellow, 63% 1974, average 58%; crop mostly good to excellent. Barley harvest 70% complete. Second crop alfalfa hay 25% cut, 20% 1974, average 27%. Pastures mostly good. Soil moisture 49% short, 48% adequate, 3% surplus. Fieldwork: 6.5 days suitable.

INDIANA: Warm and humid early week, near normal and less humid over weekend. Rainfall locally up to 1.00 in., but averages were trace north to 0.30 in. central and south. Temperatures from 50 to 96°. Humidity and evaporation rates averaged about normal.

Fieldwork averaged 6 days. Topsoil and subsoil moisture short to mostly adequate. Wheat 85% ripe; 45% combined, 35% 1974, 25% average. Oats 5% combined. Barley 80% combined. Corn 45 in. high, 20 in. 1974, 35 in. average. Corn 5% silked. Soybeans 13 in. high, 6 in. 1974, 10 in. average. Clover hay 85% cut first time. Pastures mostly fair.

IOWA: Clear, warm, humid weather dominated. Temperatures averaging 5 to 8° above normal. Precipitation below normal especially west.

Days suitable 6.5. Crops generally good, some yellowing continuing in low areas all crops. Rapid corn progress. Some corn laid by. Average corn height 43 in., average of tallest 61 in. Corn generally good to excellent with 5% tasseled; weed

control good. Soybeans progressed well, blooming and podding started. Weeds a problem many areas. Soybean stands 89% of normal; growing conditions mostly good. Oats all headed and in good condition. First cutting alfalfa complete, second early stages. Red clover 75% harvested. Topsoil moisture 25% short, 70% adequate, 5% surplus. Subsoil 9% short, 82% adequate, 9% surplus.

KANSAS: Week was characterized by isolated thunderstorm activity southeast and southwest and above normal temperatures throughout.

Wheat harvest moved rapidly; 55% complete, 95% in 1974, 75% average. Row crops made good growth. Corn 20% in tasseling stage, 10% 1974, 15% average. Soybeans 5% in bloom stage. Alfalfa second cutting 45% harvested, 65% 1974, 60% average. Some sorghum still being planted.

KENTUCKY: Temperatures near seasonal normals. Daily highs upper 80's and low 90's most of week, slightly cooler 5th and 6th. Widely scattered thundershowers early week. Rainfall variable 4th through 6th ranging from 5.00 in. extreme west to none in parts central.

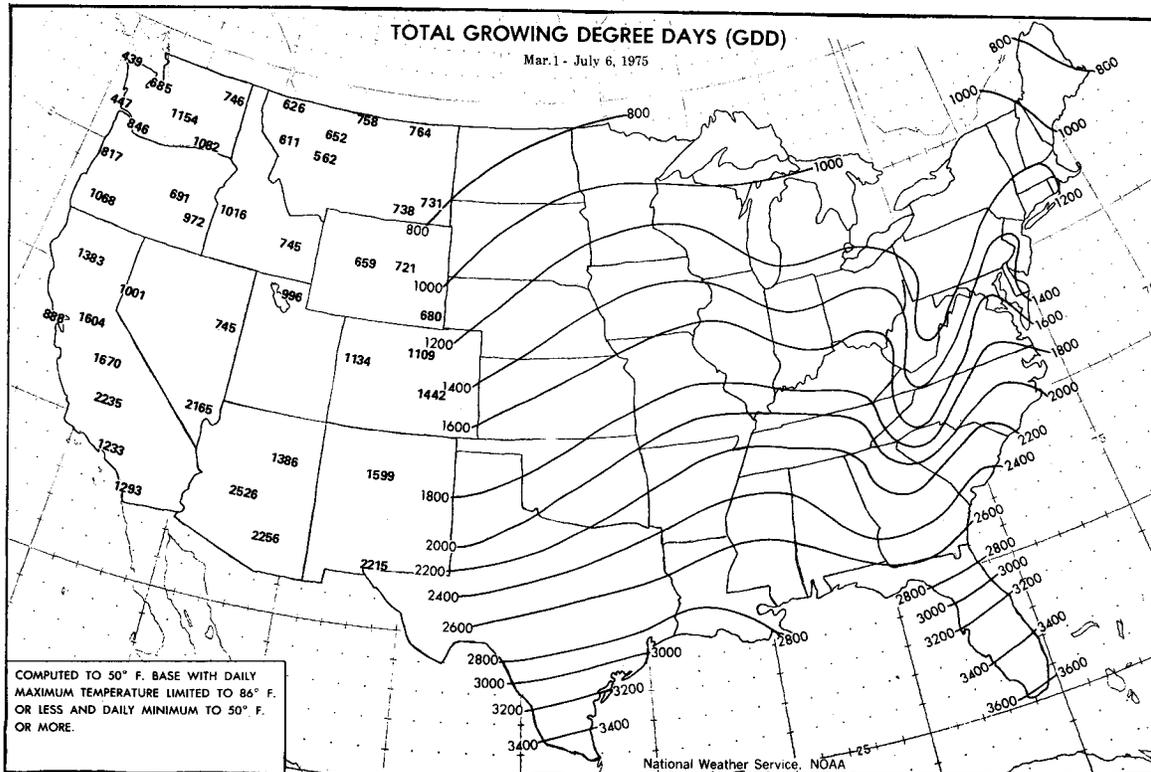
Very favorable for outdoor work until weekend. Farmers finishing up wheat harvest, planting late soybeans, cultivating row crops and cutting hay. Dry weather hurting crops except where relieved by showers. Corn advancing: 21% tasseled, 14% 1974, 15% average. Soybean planting about done, emerged crop averages 11 in. high, stands good. About half acreage tobacco averages a foot or more high, stands adequate. Growth most crops slowed by dry weather and high temperatures. Good general rain needed except localized areas west.

LOUISIANA: Temperatures near normal. Extremes: 96° Alexandria and Monroe on 6th and 7th, 65° Ashland on 1st and 2d. Greatest 1-day rainfall, 2.07 in. on 1st Lafayette. Measurable rainfall 2 to 4 days in north and 4 to 6 days in south.

Soil moisture adequate north, surplus elsewhere. Fieldwork possible 2.2 days. Main activities: Cultivation, planting soybeans and sorghum, chemical weed control, sugarcane borer control and vegetable harvest. Soybeans mostly fair, due to excessive moisture and grassy fields; 80% planted, 98% 1974, 98% average. Much of late planted crop south has poor stands, will need replanting. Cotton mostly fair, cultivation and herbicide application active. Crop somewhat later than normal; 50% squaring. Corn and sorghum good to fair. Sorghum 80% planted, 1 to 2 weeks behind normal. Rice good. Stink bugs and grasshoppers causing problems. Wet, cloudy weather interfering with pollination. Sugarcane growth excellent. Most fields further advanced than normal. Borer infestation moderate to heavy; controls undertaken. Sweetpotatoes mostly good to fair. Haying restricted due to frequent rains. Quality declining. Pastures average to above average. Cattle mostly fair to good.

MARYLAND AND DELAWARE: Temperatures near normal except 4° above southern Maryland and 4° below parts Eastern Shore. Precipitation ranged from trace to 2.99 in. Some areas lower Eastern Shore very dry. Weekend sunny and warm.

Barley harvest nearly completed. Wheat 40%, 50% 1974, 35% average. Oat harvest 80%, much ahead recent years. Second crop soybeans 95%, same as 1974. Corn showing stress from moisture shortage lower Eastern Shore. Tobacco transplanting nearly completed, also side dressing, cultivating and spraying. Second cutting hay underway. Cucumber and snap bean harvest active.



MICHIGAN: Temperatures ranged from near normal southern Lower Peninsula to 10° above Upper Peninsula. Precipitation generally very light and confined to spotty rainfall from scattered thunderstorms.

Crops continue fast growth. Soil moisture mostly adequate to short. Fieldwork: 6.0 days. Some corn tasseling; average height 36 in., 16 in. 1974. Soybean and dry bean planting nearly complete. Later planted beans made a good start. Haying making tremendous progress. Over 75% first cutting done; average 66%. Winter wheat 80% turned yellow or more advanced, average 75%. Some wheat combined. Oats 65% headed, 30% average. Pasture feed near average. Sweet cherry harvest active southwest. Tart cherries ripening fast. Vegetables making rapid growth.

MINNESOTA: A hot stormy week. Temperatures averaged 6 to 9° above normal. Extreme of 102° at Minneota. Precipitation excessive central, north, and east with averages of 2.00 to 2.90 in. Southwest below normal by 0.50 in. Flooding continues Red River Valley. Flash flooding extreme southeast on 5th.

Hot weather hastened crop development. Spring planted small grains heading, except north. Row crop growth rapid in most areas. Crops north, east central, and some south central counties retarded and much drowned out from very wet conditions, especially Red River Valley. Haymaking improved with drier conditions. First cutting alfalfa 89% complete, average 95%. Corn height 35 in., 1974 26 in., average 32 in. Soybean height 11 in., 1974 10 in., average 11 in. Oats 69% headed, 1974 60%, average 73%. Spring wheat 54% headed, 1974 40%, average 66%. Barley 57% headed, 1974 44%, average 66%. Rye 51% turning ripe, winter wheat 41% ripening or average pro-

gress. Soil moisture surplus north, east central, elsewhere adequate to surplus to short in southwest.

MISSISSIPPI: Rainfall averaged 1.75 in. south central and southeast, 0.50 in., elsewhere. Temperatures near normal. Extremes: 96 and 63°. Greatest 24-hour rainfall was 2.93 in. at Columbia on 1st.

Soil moisture adequate to surplus south, short to adequate other areas. Fieldwork: 5.0 days suitable. Cotton 46% squaring, 67% 1974, 69% average; 11% blooming. Soybeans 92% planted, 79% 1974, 95% average; 80% up to stand, 57% 1974. Sorghum 91% planted, 76% 1974, 89% average. Corn 39% tasseled, 68% 1974; 37% silked, 58% 1974. Sweet potatoes 94% planted. Wheat 97%, oats 95%, Irish potatoes 80%, peaches 47%, cucumbers 55%, and hay crops 32% harvested. Cotton and peaches in mostly fair condition. Corn, soybeans, rice and pastures in mostly fair to good condition.

MISSOURI: Temperatures 2 to 5° above normal. Northwest prairie and Bootheel 5° above. Precipitation light to nonexistent. All areas averaged less than trace with 1.00 in. from isolated thunderstorms.

Fieldwork: 6 days suitable. Soybeans 96% planted, 94% 1974, 89% average. Sorghum 96% planted, 94% 1974, 91% average. Wheat 74% harvested, 82% 1974, 75% average. Second cutting alfalfa 45%, 51% 1974, 50% average. Clo-Tim hay harvest 72%, 67% 1974, 69% average. Cotton 69% squaring, 27% 1974; condition fair to good. Soil moisture 52% short, 47% adequate, 1% surplus. Corn condition mostly good.

MONTANA: Average temperatures 2 to 6° above normal. Maximum temperatures mostly upper 80's and

90's. Some rainfall throughout with locally heavy amounts east of the Divide. Precipitation below normal except central, south central and south-east.

Warm temperature benefit crops. Grain crops mostly good condition. Nearly 75% winter wheat headed, 20% boot, 5% preboot. Normal 85% headed, 9% boot and 1% preboot. Widespread physiological damage to winter wheat plants showing. Spring wheat, oats, barley 5% headed. About 35% spring wheat, oats in boot; 25% barley. Normals: Spring wheat 40%, barley 45%, oats 35%. Soil moisture adequate. First cutting alfalfa 20% done. Sugarbeets 85% thinned. Livestock condition good.

NEBRASKA: Hot dry weather prevailed, brief showers in southern panhandle on 5th. Temperatures 5 to 10° above normal.

Winter wheat in good condition; 40% ripe, 80% 1974, normal 50%. Harvesting 10% complete, 60% 1974, normal 25%. Corn good to excellent condition, irrigation has begun. Sorghum and soybeans good to excellent condition. Alfalfa and wild hay good condition, 15% second cutting harvested. Slower due to earlier alfalfa weevil damage. Topsoil moisture supplies 59% adequate and 41% short. Subsoil moisture supplies 60% adequate, 40% short. Pasture and range feed supplies 85% adequate.

NEVADA: Summer weather returned. Warming trend brought temperatures near normal or slightly above. Extremes: 109° Logandale, 31° Mountain City. Precipitation limited to thundershowers. Heavy thundershowers Las Vegas on 3d caused flash flooding.

First cuttings alfalfa hay complete except central highlands. Third cuttings about finished southern valleys. Small grain harvest completed south, extending northward.

NEW ENGLAND: Temperatures 4 to 8° below normal 30th and 1st. Balance of week temperatures above normal. Dry conditions all areas. Scattered rain south on 29th, north on 2d and 4th. Less than 1.00 in., generally.

Rain needed over New England, however, haying aided by dry conditions. Corn, potatoes growing well. Farmers continue weed and insect control programs. Vegetable harvest active all areas though some damage from hail and wind storms. Blueberries coloring. Cranberries growing well, need irrigation. Apples sizing rapidly. Hay yields down, but quality excellent.

NEW JERSEY: Temperatures averaged 2 to 4° below normal. Extremes: 42° at Newton on 1st and 94° at Hammonton on 3d. Rainfall averaged 1.30 in. north, 1.55 in. central and 1.78 in. south. Heaviest 24-hour total was 1.48 in. at Hammonton on 3d.

Soil moisture supply extremely varied. Summer vegetable harvest increasing. Limited potato digging underway. Early cooking apples available. Blueberry harvest active. Barley harvest nearing completion. Wheat and rye combining has begun. Some soybeans still being planted following grain harvest. Many soybean stands uneven and yellow due to excessive rain. Field corn stands generally good. Good hay crop and pasture growth.

NEW MEXICO: Scattered showers early week, gradually spread almost all late week. Totals averaged 0.50 in., ranged near 1.00 in. Silver City and Clayton, more than 2.00 in. Carlsbad. Very slight day-to-day variations in temperatures, near average normals.

Soil moisture short. All areas need moisture. Cotton fair, good progress. Setting blooms starting, 2 weeks late. Alfalfa 2d cut started north, complete south, 3d cut beginning. Sorghum fair to good, most acreage planted. Wheat harvest 85%. Barley harvest 90%. Corn fair to good stands. Lettuce harvest near complete north. Broomcorn fair to good, irrigated acreage virtually planted, dryland 70%. Peanuts good. Sunflowers, safflower good Roswell, Carlsbad area. Livestock fair to good. Range fair, moisture needed.

NEW YORK: Hot, dry week. Temperatures above normal. Extremes: 44° Poughkeepsie, 93° Massena and Watertown. Precipitation below except for New York City.

Soil moisture short except south. Hay harvest accelerated with good weather. Quality good, yields down. Regrowth slowed by moisture deficiency. Corn growing well. Oats heading and wheat turning. Pasture condition fair, need moisture. Iceberg lettuce harvest increasing, quality good. Supplies and quality of local fresh market vegetables good. Onions growing well. Sweet cherry harvest about finished Hudson Valley, just beginning west.

NORTH CAROLINA: Some relief from prolonged dry spell occurred at early and late week. Temperatures slightly below normal. Rainfall averaged less than 1.00 in. across State.

Fieldwork: 4.6 days suitable. Soil moisture 46% very short, 45% short, 9% adequate. Soybean planting near completion, crop fair to mostly good. Flue-cured tobacco mostly fair to good; 4% harvested. Burley mostly fair to good. Corn poor to mostly fair. Cotton mostly good. Peanuts fair to good. Irish potatoes mostly fair to good; 63% dug, 69% in 1974. Sweetpotatoes fair to mostly good. Pasture mostly fair. Small grain harvest 96% complete, 88% in 1974. Peaches good yield and quality, 47% picked, 1974 35%, average 24%. Hay cut 60%, 1974 57%.

NORTH DAKOTA: Temperatures above normal, ranging 8° above central and east central to 3° above north central. Extremes: 93° at Lemmon, 51° at Dickinson. Precipitation averaged 0.25 in. below normal west and north central to 3.96 in. above east central. Greatest weekly precipitation Lisbon with 5.64 in. Lisbon also greatest 24-hour precipitation with 4.31 in. on 29th. Weekend hot and humid with scattered showers and brief thunderstorms aggravating flooded east.

Flood waters caused heavy damage to all crops in Cass, Ransom and Richland Counties. Significant damage also in neighboring counties. Rains in south central and eastern areas halted or interrupted haying, spraying, cultivating operations. North central and western areas have favorable growing and field working conditions.

OHIO: Temperature extremes: Low 60's to low 90's. Precipitation somewhere in State every day from 3d to 6th. Precipitation ranged 5.00 in. west central to none northeast.

Wheat harvest 30% complete, 15% 1974 and 20% normal. Harvest over 50% completed southwest. Oats over 10% ripe, 10% 1974 and normal; harvest started. Alfalfa hay first cutting virtually complete; second cutting 15%, 10% 1974 and normal. First cutting Clover-Timothy 90%, 80% 1974 and 75% normal. Corn 10% silked, one week ahead of normal. Average height: Corn 4 ft., 3 ft. 1974 and normal; soybeans 15 in., 12 in. 1974 and normal. Soil moisture supplies 45% short, 50% adequate and 5% surplus. Northern third adequate,

southwest dry prior to rains on 3d, southeast remains dry. Fieldwork: Over 6 days favorable.

OKLAHOMA: Temperatures mostly below normal and ranged from normal to 3° below. Precipitation ranged from 0.30 in. Panhandle to 0.72 in. southeast. Weekend very warm with scattered rain.

Wheat harvest 93% complete, about same as 1973 crop, but behind 1974 and normal. Harvest cleanup slow because waterholes, humidity, lack of machines. Wheat stubble being worked. Nearly all row crops planted; in good condition except cotton; rated fair to good. Cotton 1 to 2 weeks late. Few early peanuts and soybeans blooming. Second cutting alfalfa 75% complete. Putting up other hays active. Ranges and pastures providing good grazing. Cattle condition good. Pinkeye problems persist in east.

OREGON: Temperatures 3 to 5° below normal. Maximums in 80's and 90's, minimums in 30's and 40's. Precipitation along coast ranged from trace to 0.83 in. Interior valleys 0.04 to 0.53 in.

Grain in fair to good condition. Some grain being cut for hay. Seed crops damaged by rains. Barley harvest underway. Mint improving with warm weather. Hop growth normal. Sweet cherry harvest in full swing. Cracked cherries ranging 2% to 35% in orchards. Prune set heavy. Thinning pear and apples. Strawberry, raspberry harvest continuing. Green pea harvest continuing. Vegetable development slow because of weather. Green beans and sweet corn good. Potatoes developing satisfactory. Range and pastures improved with rain. Cattle in good condition.

PENNSYLVANIA: Rather dry pleasant week. Only significant precipitation 3d with cold front. Few severe thunderstorms with hail and damaging winds. Rainfall amounts mostly under 0.50 in. to 2.00 in. Temperature extremes: 92 and 40°.

Soil moisture adequate. Major activities: Hay making, filling silos, spraying, cultivating, orchard spraying and mowing, combining barley and harvest of green peas and cherries. Barley 41% ripe, 6 days behind 1974. Barley harvest 18%, same as 1974. Wheat 61% turning, 11% ripe, 4 days behind 1974. Oats 75% headed, 6% turning, same as 1974. Corn height 25 in., 3 days ahead of 1974. Alfalfa hay first cut 88%, second cut active. Clo-Tim first cut near 75%, quality fair. Harvest of sweet cherries and green peas near end, sour cherries begun. Feed from pastures average.

SOUTH CAROLINA: Temperatures near normal except 2 to 3° below normal central and west-central. Rainfall below normal. Weekly totals 0.50 to 1.00 in. North central and south received 0.10 in. or less. Thunderstorms moved across State on the 4th causing hail and minor wind damage.

Soil moisture short across State. Crop condition fair to good. Soybean stands good; 96% planted, 98% 1974, 92% average. Small grain harvest almost complete. Tobacco 67% topped; 15% harvested, 35% 1974, 17% average. Peach size, quality good; 36% harvested, 43% 1974, 28% average. Corn condition fair to good, needs rain. Soybeans need rain for growth. Watermelon harvest underway, melon size, quality good. Insects causing usual problems in cotton fields.

SOUTH DAKOTA: Temperatures averaged 6 to 12° above normal. Extremes: 58° Oelrichs on 4th, 105° Kennebec and Philip on 4th. Precipitation varied from none east to 1.37 in. west, mostly under 0.50 in.

Hot, dry, windy weather accelerated maturity of small grain and could cause lower test weights. Spring wheat, oats and rye are 85%, 92% and 91% headed, 1974 and normal over 90%. Spring wheat 12% turning, 1974 22%, normal 20%. Oats 19% turning, 1974 33%, normal 32%. Barley 24% turning, 1974 33%, normal 41%. Rye 65% turning, 1974 90%, normal 87%. Winter wheat 82% turning, 1974 93%, normal 87%. Flax 60% in or past bloom stage, 1974 69%, normal 67%. Soybeans 19% blooming, 1974 24%, normal 21%. Corn 75% cultivated for the second time. Average height of corn 27 in., 1974 24 in., normal 28 in. First cutting alfalfa 95% complete, second cutting is starting. Wild hay 21% harvested. Pastures in good condition. Livestock in good condition, but flies and pinkeye bothersome.

TENNESSEE: Rainfall averaged from 0.50 in. east to 0.75 in. west in localized areas. Some areas west had nearly 3.00 in. Temperatures averaged about 2° above normal west and near normal elsewhere.

Soil moisture short in 75% of fields. Early corn already hurt by dry weather. All crops need rain badly. Cotton 62% squared, 1974 34%, normal 61%. Corn 33% silked, 1974 18%, normal 26%. Soybeans 94% planted, 1974 88%, normal 93%. Late soybeans not emerging without adequate soil moisture. Harvest of wheat, oats and barley nearing completion; wheat 2 weeks ahead of normal, oats and barley 1 week.

TEXAS: Scattered showers, thundershowers dominated with rainfall localized. Rainfall averages above normal south, south central, High Plains. Average temperatures 2 to 7° below normal.

Wheat harvest rapidly approaching completion. Farmers preparing land for fall seeding. Cotton and sorghum planting essentially complete, stands making satisfactory progress. Seeding peanuts, soybeans continues on schedule. Sorghum harvest underway, rain delayed progress. Wheat harvest still underway High, Low Plains, but rapidly nearing completion with only few fields irrigated wheat left. Oat farmers preparing for fall crop. Cotton satisfactory progress High, Low Plains, many fields replanted. Early squares appeared southern High Plains. Cotton fruiting well Blacklands southward. Some insect problems Blacklands, farmers have applied control measures. Showers cause sorghum harvest delays South, Coastal Bend, Lower Rio Grande Valley. Major crops percent harvested: Wheat 93, 1974 100, average 98; Oats 100, 1974 100, average 100; Barley 97, 1974 100, average 100; Sorghum 7, 1974 -, average -. Major crops percent planted: Cotton 100, 1974 99, average 98; Sorghum 100, 1974 96, average 97; Peanuts 97, 1974 96, average 93; Soybeans 100, 1974 100, average 94. High Plains: Onion harvest gaining momentum. Early potato harvest underway. Early carrots emerged good stands. Trans-Pecos: Onion harvest nearing completion, cabbage harvest in progress. Irrigation underway cantaloups, green peppers. North: Corn, tomato, squash, okra, bean harvest continues. Knox-Haskell: Potato harvest nearing completion. East: Sweetpotatoes making good to excellent progress. Harvest tomatoes, okra, squash active. Central: Tomato harvest declining. Watermelon harvest active. San Antonio-Winter Garden: Cucumber harvest virtually complete, onion harvest nearing completion. Cantaloup harvest full swing. Lower Rio Grande Valley: Tomatoes, peppers, remain in volume. Rains interrupted harvest land preparation for fall vegetables. Peach harvest gaining momentum north and east. Moisture helping maintain range, pastures excellent condition well into summer.

Pastures providing good grazing, continue improve. Livestock better than average condition. Hay baling vigorous pace.

UTAH: Few isolated light showers late week. Rising trend temperatures during period. Averages ranging from 6° below normal to 2° above.

Sugarbeet thinning still two weeks behind normal, advanced to 80%. Winter wheat fair condition, about 80% headed out. Very few heads turning color. First crop alfalfa hay 75% harvested, acreage cut later, better quality. Selling from field \$45 to \$50 ton. Cherry picking: Sweet varieties scheduled to start most areas July 14th. Very few orchards as early as July 5th. Tart varieties ready about July 20th. Range feed condition rated good. Livestock condition good, stock water supplies excellent. About 70% cattle and sheep have moved to high summer ranges.

VIRGINIA: Scattered showers, thunderstorms late week. Greatest rainfall central and east. Temperatures slightly below normal. Extremes: 95 and 45°.

Fieldwork: 5.2 days suitable. Topsoil moisture: 55% short, 45% adequate. Condition of all crops but peanuts dropped. Corn 16% silked, 1974 16%. Some damage sustained from dryness, extent unknown. More soybeans planted, rains improved germination some areas. Peanuts received adequate moisture. Tobacco irregular, irrigation necessary. Small quantity flue-cured harvested. Small grains harvested: Wheat 65%, 1974 64%; barley 90%, 1974 90%; oats 69%, 1974 72%. Infestation level in counties with scab: Light 30%, moderate 48%, heavy 18%, severe 4%. Second cuttings alfalfa hay good. Pasture condition down. More feeding necessary. Few peaches harvested. Apples good condition, heavy set. Potato yields low.

WASHINGTON: West: Temperatures normal to 3° below normal. Precipitation varied from slightly above normal to as much as 0.50 in. below normal.

Strawberry harvest continued. Raspberries nearing harvest. Green pea harvest begun. Vegetable crops look good. East: Temperatures normal to 5° below normal. Precipitation normal to slightly below normal.

Cherry harvest in full swing. Harvest early vegetables underway. Winter wheat maturing rapidly. Winter barley harvest underway. First cutting

alfalfa hay up and somewhat rain damaged. Spring grains almost headed out.

WEST VIRGINIA: Temperatures normal throughout. Precipitation below normal. Good drying conditions early and midweek. Scattered thundershowers end of week.

Fieldwork: 5.1 days favorable. Soil moisture 28% short and 71% adequate. Main field activities haymaking and gardening. All growing crops mostly good condition. Hay cutting 66% complete. Wheat harvest starting, over 50% crop ripe. Barley 50% harvested. Oats in good condition, 53% heading, 23% turning yellow. Corn making good growth due to warm humid nights. Pasture and livestock in good condition.

WISCONSIN: Temperatures averaged 3° above normal. Scattered showers and thunderstorms northwest 30th and 2d, south 3d, and over State 5th and 6th. Locally heavy rainfall totals for week of 4.22 in. Madison, 3.70 in. Stoughton and 3.40 in. Baldwin. Temperatures in low 90's 30th and 1st, then 80's rest of week.

Corn tremendous growth, averages 32 in. high, 1974 17 in., normal 20 in. Early corn 6 feet tall and tasseling. Corn yellow and stunted from excessive moisture low areas. Hay harvest improved. First crop hay 65% harvested, 1974 90%, normal 70%. Second crop growth good, harvest started. Oats and small grains very good. Oats 50% headed, 1974 55%, normal 65%. Winter wheat and early oats turning. Small grains lodged by storms. Soybeans doing well. Pastures in good condition. Tobacco planting nearing end. Potatoes good, some blossoming. Pea harvest spotty due to root rot from excessive rains. Hot weather taking toll on peas. Picking of early cherries underway. Soil moisture 15% short, 70% adequate, 15% surplus. Wettest in west, driest east.

WYOMING: Precipitation continues below normal. Temperatures above normal. Greatest departures, Belle Fourche and Cheyenne and Niobrara drainages averaging 6° above normal.

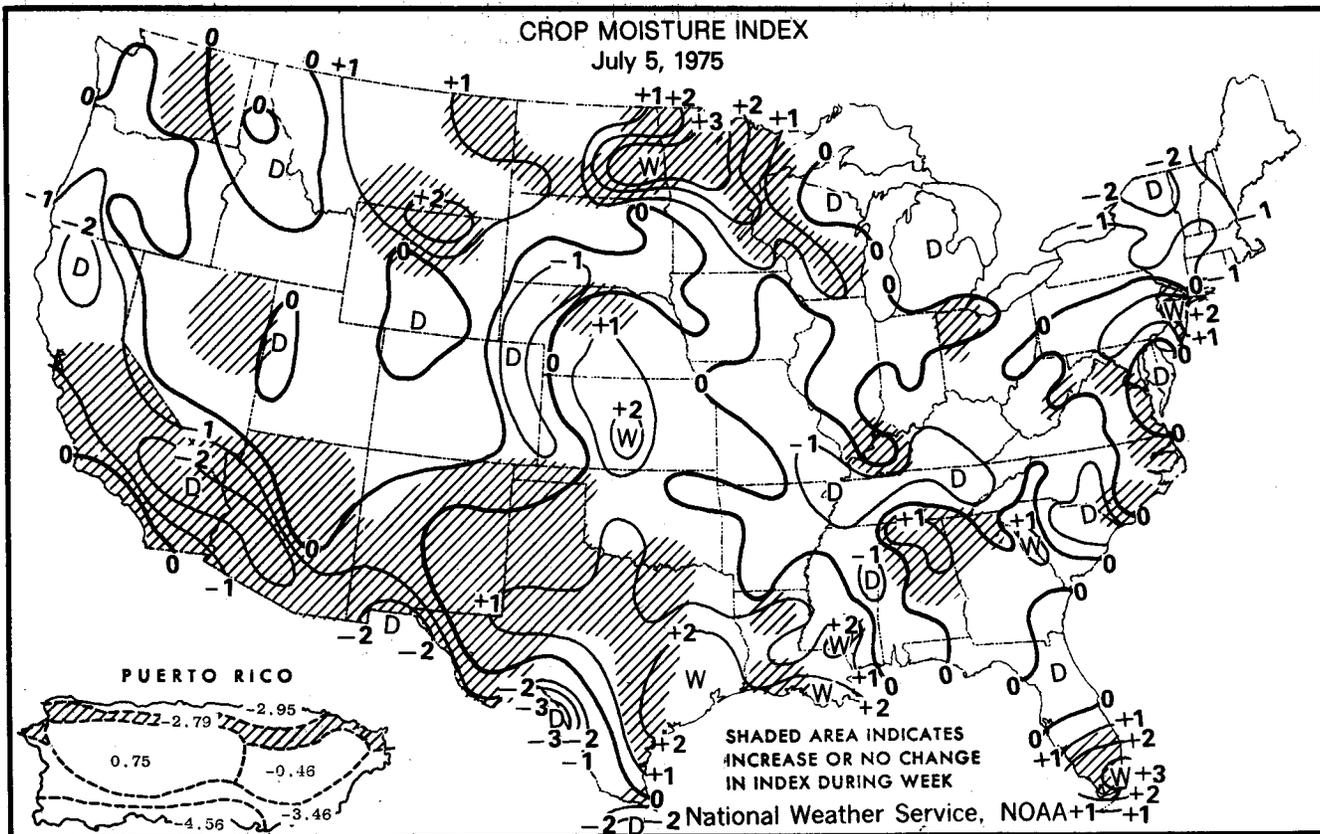
Topsoil, subsoil moisture short to adequate. Sugarbeets 90% thinned. Winter wheat 95% headed, 30% turning color. Crop headed: Spring wheat 40%, barley 55%, oats 30%. Hay harvested: Alfalfa 25%, other hay 5%. Condition of pastures, ranges good. Cattle, sheep being moved to high ranges. Stock water supply adequate.

1975 HARVESTING PROGRESS

Percent of Acreage Harvested
(as of July 6)

WINTER WHEAT

	Average	1974	1975
Colo.	27	60	5
Ill.	77	83	85
Ind.	25	35	45
Kans.	75	95	55
Mo.	75	82	74
Neb.	25	60	10
Ohio	20	15	30
Okla.	97	100	93
Tex.	98	100	93
U. S.	56	65	50



The map above gives a general picture of how wet or dry the nation was last week. The lines show the crop-moisture situation according to an index computed from values of temperature and precipitation by areas. Previous weekly computations of soil moisture account for the effect of prior weather.

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

UNSHADED AREAS: INDEX DECREASED

ABOVE	3.0	SOME DRYING BUT STILL EXCESSIVELY WET
2.0 to	3.0	MORE DRY WEATHER NEEDED, WORK DELAYED
1.0 to	2.0	FAVORABLE, EXCEPT STILL TOO WET IN SPOTS
0 to	1.0	FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 to	-1.0	TOPSOIL MOISTURE SHORT, GERMINATION SLOW
-1.0 to	-2.0	ABNORMALLY DRY, PROSPECTS DETERIORATING
-2.0 to	-3.0	TOO DRY, YIELD PROSPECTS REDUCED
-3.0 to	-4.0	POTENTIAL YIELDS SEVERELY CUT BY DROUGHT
BELOW	-4.0	EXTREMELY DRY, MOST CROPS RUINED

areas dried last week. The centers of wet or dry areas are marked: W for wet; D for dry. Use the legend to interpret.

Local variations caused by isolated rain or by soil differences are not shown. Any interpretation must consider the type of agriculture and the stage of crop development.

SHADED AREA: INDEX INCREASED OR DID NOT CHANGE

ABOVE	3.0	EXCESSIVELY WET SOME FIELDS FLOODED
2.0 to	3.0	TOO WET, SOME STANDING WATER
1.0 to	2.0	PROSPECTS ABOVE NORMAL, SOME FIELDS TOO WET
0 to	1.0	MOISTURE ADEQUATE FOR PRESENT NEEDS
0 to	-1.0	PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1.0 to	-2.0	SOME IMPROVEMENT BUT STILL TOO DRY
-2.0 to	-3.0	DROUGHT EASED BUT STILL SERIOUS
-3.0 to	-4.0	DROUGHT CONTINUES RAIN URGENTLY NEEDED
BELOW	-4.0	NOT ENOUGH RAIN STILL EXTREMELY DRY



FIRST CLASS MAIL

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Heating Degree Days (Base 65° F.)

June 1975

ALA. Birmingham	0	MAINE, Caribou	158	OKLA. Okla. City	0
Mobile	0	Portland	146	Tulsa	0
Montgomery	0	MD. Baltimore	2	OREG. Astoria	274
ALASKA, Anchorage	354	MASS. Boston	59	Burns U.	199
Barrow	902	Chatham	131	Medford	86
Fairbanks	169	MICH. Alpena	103	Pendleton	57
Juneau	402	Detroit	41	Portland	127
Nome	673	Flint	56	Salem	164
ARIZ. Flagstaff	231	Grand Rapids	61	PA. Allentown	19
Phoenix	0	Houghton Lake	101	Erie	51
Tucson	0	Lansing	57	Harrisburg	13
Winslow	4	Marquette U.	176	Philadelphia	4
Yuma	0	S. Ste. Marie	151	Pittsburgh	48
ARK. Fort Smith	0	MINN. Duluth	226	Scranton	25
Little Rock	0	Internatl Falls	163	R. I. Providence	64
CALIF. Bakersfield	0	Minneapolis	39	S. C. Charleston	0
Eureka U.	347	Rochester	60	Columbia	0
Fresno	3	St. Cloud	82	Greenville	0
Los Angeles U.	21	MISS. Jackson	0	S. DAK. Aberdeen	44
Red Bluff	4	Meridian	0	Huron	67
Stockton	6	Vicksburg U.	--	Rapid City	119
San Diego	10	MO. Columbia	7	Sioux Falls	51
San Francisco	151	Kansas City	5	TENN. Chattanooga	0
COLO. Denver	85	St. Louis	1	Knoxville	0
Grand Junction	51	Springfield	3	Memphis	0
Pueblo	39	MONT. Billings	152	Nashville	0
CORN. Bridgeport	34	Glasgow	162	TEX. Abilene	0
Hartford	43	Great Falls	189	Amarillo	16
D. C. Washington	0	Havre	145	Austin	0
FLA. Apalachicola	0	Helena	235	Beaumont	0
Ft. Myers	0	Kalispell	258	Brownsville	0
Jacksonville	0	Miles City	82	Corpus Christi	0
Key West	0	Missoula	281	Dallas	--
Lakeland U.	0	NEBR. Grand Island	32	Del Rio	0
Miami	0	Lincoln	20	El Paso	0
Orlando	0	Norfolk	25	Fort Worth	0
Daytona Beach	0	North Platte	62	Galveston U.	0
Tallahassee	0	Omaha	11	Houston	0
Tampa	0	Valentine	7	Lubbock	4
GA. Atlanta	0	NEV. Ely	228	Midland	3
Augusta	0	Las Vegas	0	San Angelo	0
Macon	0	Reno	113	San Antonio	0
Savannah	0	Winneucca	14	Victoria	0
IDAHO, Boise	76	N. H. Concord	98	Waco	0
Lewiston	87	N. J. Atlantic City	17	Wichita Falls	0
Pocatello	122	Trenton U.	6	UTAH, Blanding R.	--
ILL. Cairo U.	0	N. MEX. Albuquerque	6	Salt Lake City	92
Chicago	22	Roswell	1	VT. Burlington	82
Moine	14	N. Y. Albany	8	VA. Lynchburg	10
Peoria	17	Binghamton	65	Norfolk	0
Rockford	29	Buffalo	32	Richmond	1
Springfield	7	New York	14	Roanoke	12
IND. Evansville	0	Rochester	46	WASH. Colville	174
Fort Wayne	80	Syracuse	46	Omak	144
Indianapolis	22	N. C. Asheville	7	Quillayute	338
South Bend	37	Charlotte	0	Seattle-Tacoma	144
IOWA, Burlington	11	Greensboro	0	Spokane	173
Des Moines	11	Hatteras R.	0	Walla Walla U.	66
Dubuque	48	Raleigh	0	Yakima	80
Sioux City	21	Wilmington	0	W. VA. Beckley	40
KANS. Concordia	17	N. DAK. Bismarck	112	Charleston	4
Dodge City	25	Fargo	79	Huntington	4
Goodland	43	Williston U.	117	Parkersburg U.	15
Topeka	7	OHIO, Akron-Canton	38	WIS. Green Bay	90
Wichita	9	Cincinnati U.	10	Madison	43
KY. Lexington	4	Cleveland	38	Milwaukee	69
Louisville	0	Columbus	18	WYO. Casper	193
LA. Baton Rouge	0	Dayton	22	Cheyenne	212
Lake Charles	0	Toledo	45	Lander	210
New Orleans	0	Youngstown	48	Sheridan	194
Shreveport	0				

Preliminary reports from airport locations, except those marked U for urban and R for rural.
 *Estimated.