

WEEKLY WEATHER AND CROP BULLETIN

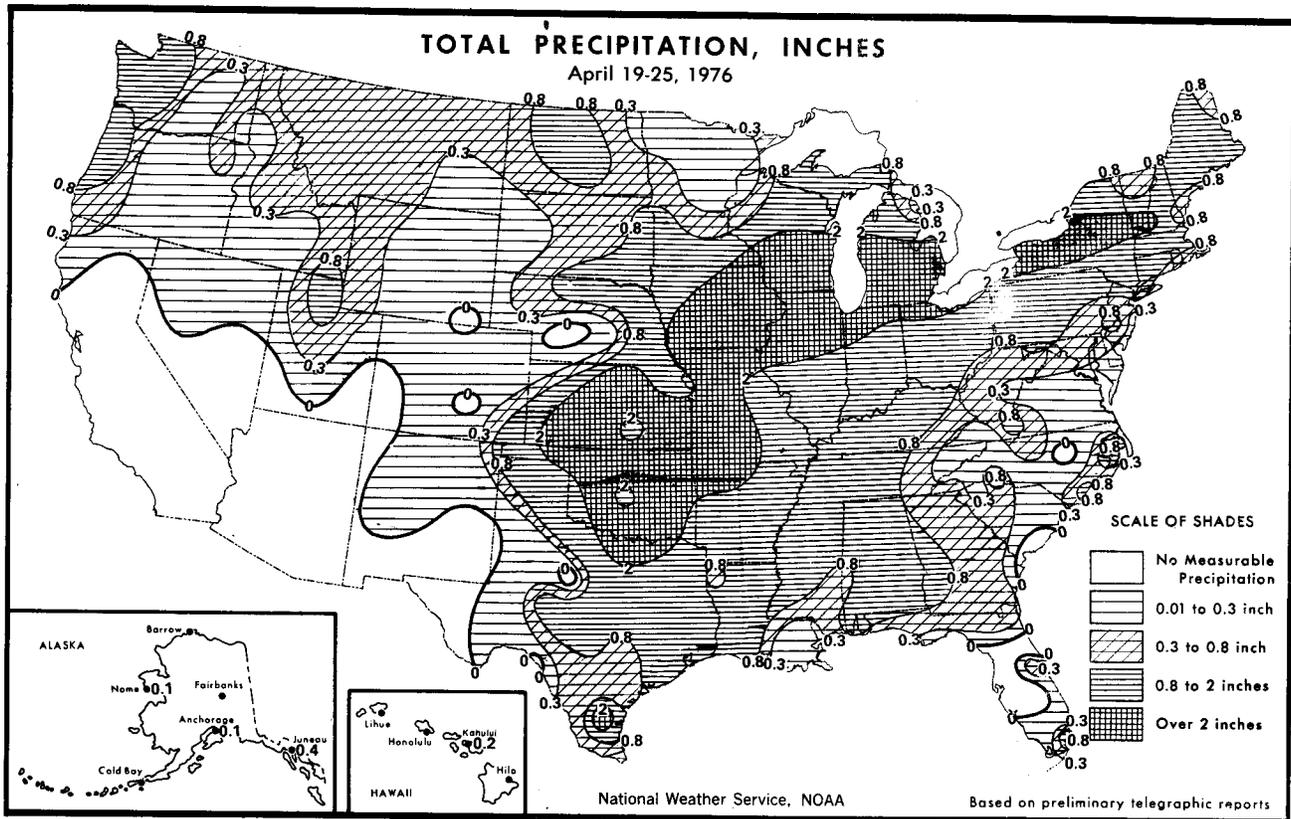
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National Weather Summary

For the week of April 19 - 25

HIGHLIGHTS: Lines of intense thunderstorms that hammered across central U.S. spawned damaging tornadoes and hail from the central Plains through the middle Mississippi and lower Great Lakes regions. Precipitation skirted the southern Plateau region and focused on the eastern two-thirds of the Nation. Weekly temperatures averaged near normal, except in the Northeast, where a 6-day heat wave pushed average readings up to 15° above normal along the middle Atlantic Coast.

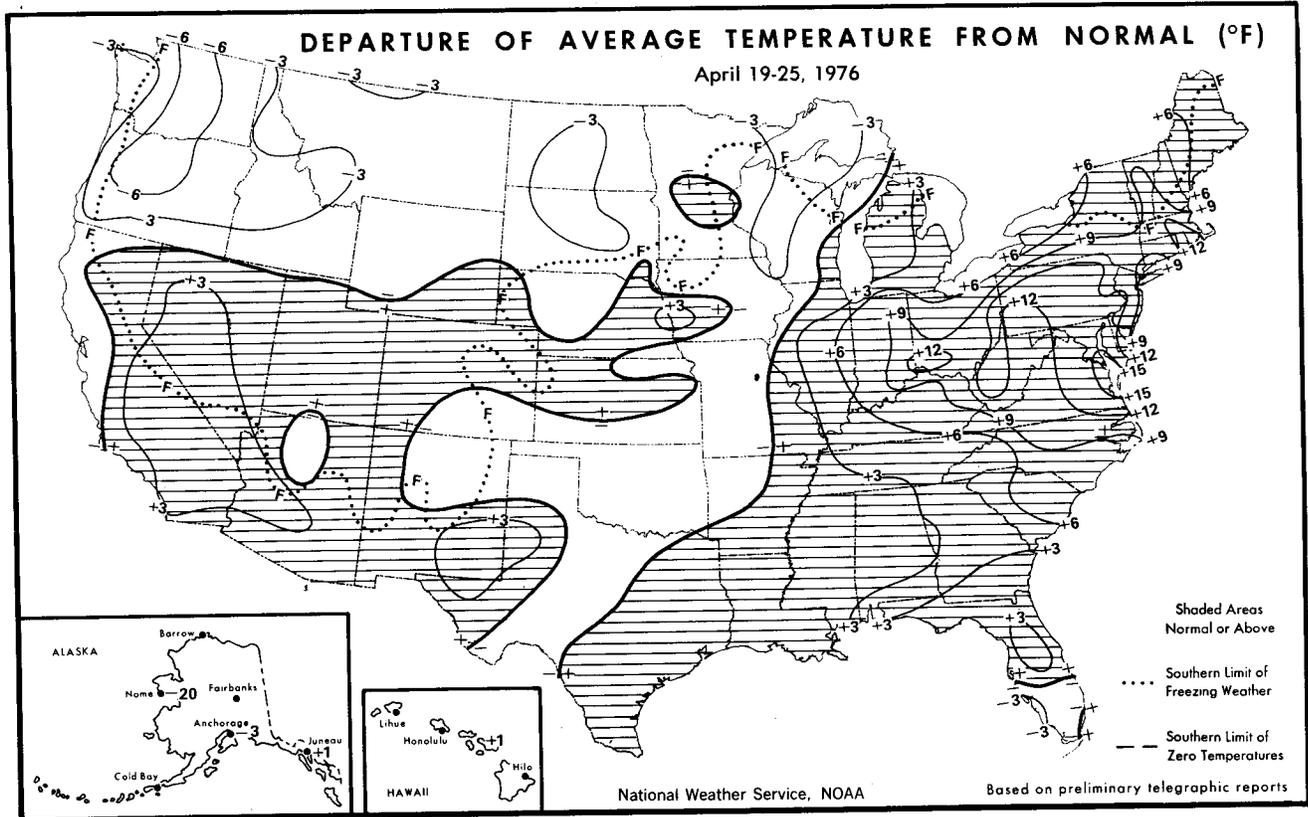
Monday marked the fifth day of a record breaking heat wave in the Northeast. Providence, R.I. outdistanced the rest of the Nation with a record high of 98°, followed by Hartford, Conn., a close second with 96°.

Heavy morning rains in north central Texas were the harbinger of severe daytime weather throughout the southern Plains. Lines of thunderstorms that

hammered across the Plains and much of the Mississippi Valley gave rise to more than 30 tornadoes and considerable hail, mostly in Texas and Oklahoma. Target of the most destructive storm, Brownwood in central Texas reported 10 injuries and extensive damage. Locally heavy rains pushed rivers and streams over their banks across a wide area of south central U.S.

Monday's precipitation pattern also tracked scattered showers and thundershowers from northern New Mexico through eastern Colorado and in parts of South Dakota and western Oregon.

On Tuesday morning thunderstorms moved off the Texas Coast, but continued from southwest Louisiana through eastern Arkansas and Missouri. Local flooding testified to the heavy rains, especially in southern Texas, Iowa, and northwest Missouri. At the same time forecasters kept tabs on major flooding that continued on North Dakota's Souris



River.

Meantime a frontal system trudged across the Mississippi Valley, carrying showers and thunder-showers that spilled into western portions of the Ohio Valley and Great Lakes region. Severe weather spelled trouble for some areas. A tornado that ripped across northwest Louisiana caused 1 death, 30 injuries, and extensive damage.

In the Northeast it would soon be a week since the hot spell began, as Tuesday's mercury once again shot past previous record highs; readings in the 80's and 90's dominated coastal areas. At midday sunny skies brightened much of the Atlantic Coast States, western portions of the Great Plains, and the southern half of the Rockies westward into most of California.

The midweek weather survey highlighted severe thunderstorms in the Ohio Valley region. Seven tornadoes leveled their guns against an area that included Michigan, Ohio, Pennsylvania, and West Virginia.

By late afternoon an expansive band of thunder-showers stretched from southern Florida northward into the lower Great Lakes region. A few thunderstorms and showers dotted the central and northern Plains.

Soon after the violent weather outbreak, however, storm activity weakened. A late evening check showed scattered showers and thundershowers from the Great Lakes to the southern Atlantic Coast States.

Though temperatures cooled somewhat in the East, readings in the 80's still warmed portions of Pennsylvania and New York.

On Thursday the thunderstorms slowly migrated towards the Atlantic. The noontime precipitation pattern traced thundershowers along the Coast from North Carolina northward into New England.

Daytime temperatures measured 60° or higher in the southern two-thirds of the Nation with some Rocky Mountain readings in the low 30's.

In the late afternoon thunder broke the stillness in the Great Plains as storms began building from southwest Texas into southeast Michigan. Tornadoes accompanied isolated severe storm activity in the central and southern Plains and parts of the Atlantic Coast and Great Lakes regions.

From Texas to Canada and east into the Great Lakes and Ohio Valley regions, widespread severe thunderstorms hammered across central U.S. on Friday. As lines of thunderstorms swept across the area, tornadoes touched down in portions of Iowa, Kansas, Nebraska, and Texas. In Buckley, Ill. winds damaged several homes and caused some injuries.

Sunny skies over much of the East Coast and Southeast pulled temperatures into the 80's as far north as Virginia. Readings in the 70's dominated southern New England.

Though much of the severe weather subsided over the weekend locally heavy rains continued across the eastern third of the Nation. One day's rainfall amounted to almost 5 inches in parts of Iowa, Illinois, and Missouri. Rivers and streams throughout central U.S. continued to rise as storms thundered across already saturated ground.

Winter staged a brief comeback on Sunday, following an unusually early spring in much of the Nation. In Illinois, some Chicago suburbs accumulated several inches of snow. At the end of the day forecasters cited rain and snow over northern and central sections of the Rockies and Intermountain regions. Showers and thunderstorms were scattered over much of the Atlantic Coast and into the Ohio Valley, where some drizzle and rain were also reported.

National Agricultural Summary

For the Week of April 19-25

HIGHLIGHTS: Spring fieldwork continued far ahead of normal although rain slowed field activities in part of the Corn Belt. Soil moisture was short except in the Nation's midsection. Land preparation extended into the extreme northern parts of the Nation, where fieldwork had not begun at this time last year. Haymaking was in progress in southern areas. Western ranges improved and cattlemen slowly moved herds onto grasslands. Eastern pastures held up well under dry conditions and unseasonably high temperatures. Earlier freeze damage to fruit became apparent in some eastern areas.

SMALL GRAINS: Precipitation improved the condition of the southern and central Plains winter wheat crop. In Kansas, weather was cool and damp and topsoil moisture was replenished. Subsoil moisture was short in western Kansas. Wheat was 65% jointed compared with 30% in 1975 and 55% average. Greenbugs, cutworms, and mites were observed. In Oklahoma winter wheat was heading rapidly on short straw. The crop was 44% headed, against 2% in 1975 and 27% average. Half of the wheat was in good condition and 20% was in poor shape. Soil moisture was adequate, except in the Panhandle where more rain would assure a good crop. In Texas the Low Plains and Blacklands should produce a near normal crop; only irrigated stands made good progress on the High Plains. In Colorado, winter wheat condition was poor in the southeast and fair to good elsewhere. Condition of dryland wheat was poor in New Mexico and fair to good elsewhere.

In the eastern North Central States, winter wheat was 8 to 11 inches tall and beginning to head out in Southern States. Along the Atlantic Coast the Florida crop was ready to combine. Farther north the crop needs rain for better development.

The spring wheat crop was 47% planted in the major producing States, compared with only 2% a year earlier and 28% average. In North Dakota cool, wet weather slowed planting but 30% of the crop was in the ground compared with none on this date last year. Even though rains also temporarily halted fieldwork in South Dakota, the spring wheat crop was 95% seeded compared to 9% in 1975 and 54% average.

CORN: The Nation's corn crop was 17% planted compared with 11% in 1975 and 8% average. Every State is ahead of last year's pace. The Iowa crop was 6% planted compared with 1% in 1975, 3% average; and the Illinois crop was 24% planted, 6% in 1975 and 3% average. Rainfall slowed corn planting activities in parts of Iowa, Illinois, Michigan, Wisconsin, and Indiana. Corn planting in both the South Central States and South Atlantic States was well over the halfway mark.

COTTON: The cotton crop was 28% planted, twice 14% for this time last year and well ahead of 15% average. In Mississippi, planting advanced rapidly amid favorable weather conditions until the weekend. In Arkansas soil moisture was short in the Delta but planting, at 26%, was 10 points ahead of last year and more than four times above

average. In Texas planting progressed rapidly until rains called a halt to operations. Excellent planting moisture now favors many areas. Stands made good growth southern areas, where cultivation is needed to control weeds.

OTHER CROPS: Rice planting was over 70% complete in the Arkansas, Mississippi, Louisiana, and Texas producing areas. In Arkansas some fields were flushed to provide moisture for germination. Seeding in Texas made excellent progress. In California rice seeding was in full swing.

Peanut planting began in southeast Virginia. Early plantings were in fair to good condition in Georgia where 42% of the crop was planted, compared with 15% in 1975 and 22% average. The Alabama crop, at 35% planted, lagged behind the normal pace.

Tobacco plant beds need irrigation throughout most of the major production areas. Field transplanting was in progress, ranging from 99% complete in Georgia to 27% complete in North Carolina. Transplants were in fair to good condition. In Kentucky, plants were growing rapidly.

Sugarcane was in good condition in Florida and Louisiana. Farmers applied fertilizer and chemicals, and in Louisiana, need rain for the sugarcane. Sugarbeet planting progressed rapidly and was behind normal only in Colorado. Limited sugarbeet harvest began in Arizona.

Early soybeans were planted on a few acres in some of the Southern States. Soybean land preparation was far ahead of normal in northern areas. Grain sorghum planting was 60% complete in Arkansas, twice the 1975 rate, and a week ahead of normal in Missouri. In Texas, rains halted sorghum planting but stands were growing well and only a few fields needed replanting.

FRUITS AND NUTS: Peaches were in full bloom to shuck split stage in northern areas. The crop was in fair condition. Of the fruit crops in Virginia and Kentucky, 40 to 100% was damaged by earlier freezes. In New England apples were in full bloom. In the Northwest fruit crops were in bloom and orchards were protected against freeze damage. Farmers irrigated citrus groves in Florida. Valencia harvest was active in California, Arizona, and Florida as navel harvest tapered off.

VEGETABLES: Planting of peas, potatoes, sweet corn, and cabbage active in northern areas, including New York, Wisconsin, and Washington. Asparagus harvest was active in California and New Jersey. Louisiana's strawberry harvest declined. Arizona lettuce moved to market. Vegetable harvests were active in Texas.

PASTURE AND LIVESTOCK: Pastures generally were in fair to good condition and improving but low topsoil moisture throughout most of the Nation, except the North Central States, and high temperatures in the east caused some concern. Cattle moved to rangeland in western areas and in general were in fair to good condition and gaining weight.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., April 25, 1976

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA, Birmingham . . .	67	+ 2	. 8	- .2	La. Baton Rouge . . .	72	+ 2	. 2	-1.0	Youngstown . . .	62	+12	1.1	+ .2
Mobile . . .	74	+ 4	. 9	- .3	Lake Charles . . .	71	+ 0	. 8	- .3	OKLA, Okla. City . .	62	- 1	. 9	0
Montgomery . . .	68	+ 1	. 9	0	New Orleans . . .	72	+ 2	. 1	- .8	Tulsa . . .	62	- 1	4.8	+3.7
ALASKA, Anchorage . .	35	- 3	. 1	0	Shreveport . . .	70	+ 2	. 5	- .8	OREG, Astoria . . .	47	- 2	1.2	+ .2
Barrow . . .	---	---	---	---	MAINE, Caribou . . .	45	+ 5	. 5	- 1	Burns . . .	42	- 4	. 2	0
Fairbanks . . .	---	---	---	---	Portland . . .	50	+ 5	. 5	- 1	Medford . . .	49	- 3	. 3	+ .1
Juneau . . .	42	+ 1	. 4	- .3	MD, Baltimore . . .	69	+13	. 5	- .2	Pendleton . . .	48	- 5	. 3	0
Kodiak . . .	---	---	---	---	MASS, Boston . . .	62	+11	. 9	+ .1	Portland . . .	48	- 4	1.1	+ .6
Nome . . .	2	-20	. 1	0	Chatham . . .	52	- 1	. 6	---	Salem . . .	45	- 6	. 9	+ .4
ARIZ, Flagstaff . . .	41	- 3	0	- .3	MICH, Alpena . . .	46	+ 3	. 3	- .3	PA, Allentown . . .	63	+11	. 4	- .5
Phoenix . . .	74	+ 4	0	- .1	Detroit . . .	55	+ 5	2.5	+1.7	Erie . . .	53	+ 6	2.0	+1.2
Tucson . . .	69	+ 2	0	- .1	Flint . . .	53	+ 4	3.3	+2.6	Harrisburg . . .	67	+12	. 7	0
Winslow . . .	57	+ 1	0	- .1	Grand Rapids . . .	50	+ 1	2.5	+1.7	Philadelphia . . .	68	+13	1.1	+ .3
Yuma . . .	74	+ 1	0	0	Houghton Lake . . .	47	+ 2	1.5	+ .9	Pittsburgh . . .	63	+10	1.0	+ .2
ARK, Fort Smith . . .	63	- 2	2.0	+ .2	Lansing . . .	51	+ 2	2.4	+1.7	Scranton . . .	63	+12	. 9	+ .1
Little Rock . . .	64	0	1.1	-1.5	Marquette . . .	39	- 4	1.3	+ .7	R. I. Providence . . .	62	+13	. 7	- .1
CALIF, Bakersfield . .	68	+ 4	0	- .2	Muskegon . . .	49	+ 1	2.4	+1.6	S. C. Charleston . . .	72	+ 6	T	- .6
Eureka . . .	49	- 1	. 2	- .4	S. Ste. Marie . . .	41	0	. 8	+ .2	Columbia . . .	73	+ 7	. 2	- .6
Fresno . . .	65	+ 3	0	- .3	MINN, Duluth . . .	41	- 1	T	- .6	Greenville . . .	67	+ 4	T	- .9
Los Angeles . . .	64	+ 2	0	- .2	Internat'l Falls . .	40	- 2	. 2	- .2	S. D. Aberdeen . . .	47	- 1	. 7	+ .2
Red Bluff . . .	62	+ 1	0	- .4	Minneapolis . . .	50	+ 2	. 5	0	Huron . . .	45	- 4	. 7	+ .2
San Diego . . .	64	+ 3	0	- .1	Rochester . . .	47	- 1	1.0	+ .4	Rapid City . . .	46	- 2	T	- .5
San Francisco . . .	55	- 1	T	- .3	St. Cloud . . .	48	+ 2	. 1	- .5	Sioux Falls . . .	49	0	1.1	+ .5
Stockton . . .	59	- 1	0	- .3	MISS, Jackson . . .	69	+ 1	1.3	+ .2	TENN, Chattanooga . .	66	+ 3	. 6	- .4
COLO, Denver . . .	51	+ 1	T	- .5	Meridian . . .	67	0	. 3	- .8	Knoxville . . .	67	+ 5	. 2	- .6
Grand Junction . . .	56	+ 2	T	- .2	MO, Columbia . . .	57	- 1	1.6	+ .6	Memphis . . .	67	+ 2	1.6	+ .3
Pueblo . . .	53	- 1	T	- .4	Kansas City . . .	58	0	1.2	+ .4	Nashville . . .	66	+ 4	. 9	- .7
CONN, Bridgeport . . .	57	+ 6	. 7	- .1	St. Louis . . .	60	+ 1	1.3	+ .4	TEX, Abilene . . .	66	- 1	T	- .7
Hartford . . .	61	+11	. 9	+ .1	Springfield . . .	58	- 1	4.2	+3.1	Amarillo . . .	58	- 1	. 8	+ .5
D. C. Washington . . .	73	+14	. 3	- .4	MONT, Billings . . .	45	- 2	. 6	+ .2	Austin . . .	71	+ 1	. 7	- .2
FLA, Apalachicola . .	71	+ 1	. 2	- .6	Glasgow . . .	44	- 2	. 6	+ .4	Beaumont . . .	71	0	. 8	- .3
Daytona Beach . . .	72	+ 1	0	- .5	Great Falls . . .	44	- 2	. 6	+ .3	Brownsville . . .	76	0	. 2	- .2
Ft. Myers . . .	71	- 3	T	- .4	Havre . . .	44	- 3	. 3	0	Corpus Christi . . .	76	+ 2	. 8	+ .2
Jacksonville . . .	70	0	. 3	- .4	Helena . . .	42	- 3	. 5	+ .3	Dallas . . .	---	---	---	---
Key West . . .	78	- 1	T	- .6	Kalispell . . .	43	- 2	. 3	0	Del Rio . . .	74	0	T	- .4
Lakeland . . .	76	+ 3	0	- .5	Miles City . . .	47	- 2	. 1	- .2	El Paso . . .	67	+ 1	0	- .1
Miami . . .	77	+ 1	1.7	+ .8	Missoula . . .	45	- 1	. 3	0	Fort Worth . . .	67	0	1.8	+ .7
Orlando . . .	76	+ 4	. 5	- .1	NEBR, Grand Island .	53	0	. 1	- .6	Galveston . . .	71	0	1.0	+ .4
Tallahassee . . .	72	+ 2	. 6	- .3	Lincoln . . .	54	0	1.5	+ .9	Houston . . .	71	0	1.4	+ .5
Tampa . . .	73	0	0	- .4	Norfolk . . .	53	+ 1	. 9	+ .3	Lubbock . . .	65	+ 3	T	- .3
W. Palm Beach . . .	74	- 1	T	- .8	N. Platte . . .	49	- 2	T	- .5	Midland . . .	67	+ 1	T	- .2
GA, Atlanta . . .	68	+ 5	. 7	- .3	Omaha . . .	56	+ 3	1.3	+ .6	San Angelo . . .	68	- 1	1.5	+1.0
Augusta . . .	71	+ 5	. 7	- .1	Valentine . . .	48	- 1	. 8	+ .3	San Antonio . . .	72	+ 1	. 7	+ .1
Macon . . .	71	+ 3	. 7	- .1	NEV, Ely . . .	45	+ 2	T	- .2	San Antonio . . .	74	+ 2	. 8	+ .1
Savannah . . .	71	+ 3	T	- .6	Las Vegas . . .	70	+ 4	0	- .1	Waco . . .	69	0	1.0	0
HAWAII, Hilo . . .	---	---	---	---	Reno . . .	50	+ 2	T	- .1	Wichita Falls . . .	66	- 1	1.8	+1.0
Honolulu . . .	---	---	---	---	Winnemucca . . .	50	+ 3	T	- .2	UTAH, Blanding . . .	51	+ 2	0	- .2
Kahului . . .	75	+ 1	. 2	0	N. H. Concord . . .	54	+ 7	. 7	0	Salt Lake City . . .	52	+ 1	1.7	+1.2
Lihue . . .	---	---	---	---	N. J. Atlantic City . .	61	+ 7	. 1	- .7	VT, Burlington . . .	55	+ 9	. 4	- .2
IDAHO, Boise . . .	47	- 4	. 3	0	Trenton . . .	67	+12	. 3	- .4	VA, Lynchburg . . .	70	+11	. 2	- .4
Lewiston . . .	49	- 3	. 1	- .2	N. MEX, Albuquerque .	56	- 2	T	- .1	Norfolk . . .	75	+15	. 1	- .5
Pocatello . . .	47	- 1	. 8	+ .5	Roswell . . .	66	+ 4	0	- .1	Richmond . . .	74	+14	- .1	- .5
ILL, Cairo . . .	66	+ 3	1.1	+ .1	N. Y. Albany . . .	58	+ 8	1.4	+ .8	Roanoke . . .	69	+11	. 5	- .2
Chicago . . .	54	+ 1	4.5	+3.6	Binghamton . . .	57	+10	1.2	+ .4	WASH, Colville . . .	44	- 5	. 1	- .1
Moline . . .	53	- 1	3.8	+2.9	Buffalo . . .	53	+ 5	2.7	+1.9	Omak . . .	45	- 6	. 3	0
Peoria . . .	57	+ 3	4.8	+3.7	New York . . .	62	+ 8	1.0	+ .2	Quillayute . . .	44	- 3	1.4	- .4
Rockford . . .	50	- 1	2.3	+1.4	Rochester . . .	55	+ 6	2.5	+1.9	Seattle-Tacoma . . .	48	- 2	. 9	+ .4
Springfield . . .	60	+ 4	1.1	+ .1	Syracuse . . .	55	+ 6	2.2	+1.5	Spokane . . .	43	- 5	. 3	0
IND, Evansville . . .	65	+ 6	1.2	+ .3	N. C. Asheville . . .	62	+ 4	. 1	- .7	Walla Walla . . .	49	- 5	. 5	+ .1
Ft. Wayne . . .	61	+ 9	1.9	+1.1	Charlotte . . .	69	+ 6	. 1	- .6	Yakima . . .	45	- 6	. 1	0
Indianapolis . . .	63	+ 8	. 9	0	Greensboro . . .	72	+11	. 5	- .2	W. Va. Beckley . . .	66	+12	. 1	- .6
South Bend . . .	58	+ 7	4.1	+3.1	Hatteras . . .	70	+ 9	T	- .7	Charleston . . .	70	+12	. 3	- .5
IOWA, Burlington . . .	53	- 1	4.1	+3.2	Raleigh . . .	71	+ 9	T	- .7	Huntington . . .	69	+11	. 6	- .2
Des Moines . . .	54	+ 1	4.2	+3.5	Wilmington . . .	72	+ 7	. 8	+ .1	Parkersburg . . .	68	+11	. 3	- .5
Dubuque . . .	48	- 3	2.0	+1.0	N. DAK, Bismarck . . .	43	- 4	1.4	+1.0	WIS, Green Bay . . .	45	- 2	1.5	+ .8
Sioux City . . .	52	- 1	1.2	+ .6	Fargo . . .	45	- 1	. 6	0	La Crosse . . .	47	- 4	2.5	+2.1
KANS, Concordia . . .	55	- 1	2.0	+1.4	Williston . . .	44	- 2	. 4	+ .1	Madison . . .	48	0	3.0	+2.4
Dodge City . . .	57	0	2.3	+1.8	OHIO, Akron-Canton . .	60	+ 9	1.0	+ .2	Milwaukee . . .	49	+ 2	4.2	+3.5
Goodland . . .	52	+ 1	. 1	- .3	Cincinnati . . .	68	+12	1.0	+ .2	WYO, Casper . . .	45	0	. 1	- .3
Topeka . . .	58	+ 1	1.7	+ .8	Cleveland . . .	57	+ 6	1.5	+ .7	Cheyenne . . .	45	0	T	- .4
Wichita . . .	59	0	1.6	+ .9	Columbus . . .	63	+ 9	1.1	+ .2	Lander . . .	45	- 1	. 2	- .4
KY, Lexington . . .	65	+ 7	1.0	+ .2	Dayton . . .	63	+ 9	1.6	+ .8	Sheridan . . .	44	- 2	. 2	- .4
Louisville . . .	67	+ 9	. 7	- .2	Toledo . . .	55	+ 4	2.3	+1.6	P. R. San Juan . . .	79	+ 1	. 2	- .8

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State Summaries of Weather and Agriculture

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

ALABAMA: Warm and dry, temperatures 3° above normal. Extremes: 91 and 41°. Rain 22nd and 25th. Fieldwork: Six days suitable. Cotton 54% planted, 27% 1975, average 32%. Corn 60% planted, 30% 1975, average 31%. Peanut 35% planted, 46% 1975, 41% average. Dry soils slowed plantings. Pastures fair, livestock improving.

ARIZONA: Dry, occasional wind. Temperatures near normal. Main activity cotton replanting. Cool weather Yuma County caused slow plant growth, crops 2 to 3 weeks behind. Sugarbeet harvesting. Harvesting, grazing alfalfa. Lettuce harvest full swing central. Harvest mixed vegetables nearing completion. Cantaloups good growth. Early planted chili destroyed by freeze. Limited picking valencias, grapefruit Salt River Valley, Yuma. Range conditions improved. Cattle, calves good condition.

ARKANSAS: Precipitation and temperatures slightly above normal. Rainfall 0.61 in. to 5.10 in. Extremes: 86 and 38°.

Soil moisture short east south elsewhere adequate. Fieldwork: 4.5 days available. Soybeans 4% planted, 3% last year. Cotton planting 26% complete, 16% a year ago, average 6%. Rice seeding 71% complete; 58% last year; average 38%. Some flushing. Corn acreage 81% planted, 77% 1975. Sorghum planting 60% complete, 30% year ago. Small grains good condition. Some farmers thinning peaches. Pastures providing adequate feed.

CALIFORNIA: Scattered light precipitation at times north portion, mainly last of week. Warming inland highs midweek reaching near 80 Central Valley and Coastal Valleys near 90 low southeast Deserts. Lows mostly 40s Central Valley and Coastal Valleys except 50s southern San Joaquin Valley and low southeast Deserts. Weekly averages near normal except 2 to 4° below low southeast Deserts.

Early planted small grain maturing. Green chopping and cutting for hay. Rice and cotton planting into full swing. Some crusting earlier planted cotton fields. Corn, milo planting increasing. Cultivation, irrigation continues. Wind caused scarring deciduous fruits, lemons, drop almonds. Thinning peaches, plums, nectarines. Cherries coloring, good crop expected. Navel harvest slowing, valencias increasing. Vineyards sulfured for mildew. California vegetables progressing well. Some lull in farm activity. Broccoli and cauliflower supply good. Most asparagus diverted to processors. Crop conditions good. Calving, lambing heavy northeast. Supplemental feeding most of State. Cattlemen culling herds. Stock water critically short some areas. Bee colonies into citrus areas.

COLORADO: Weather systems moving eastward produced cool showery conditions. Temperatures below normal. Ranging from eastern mountains to low 80's southeast. Precipitation average 0.25 to 0.35 in. Heaviest rains southeast.

Winter wheat condition very poor southeast, fair to good elsewhere. Sugarbeets 33% seeded, 55% 1975, 54% average. Spring barley 74% seeded, 68% 1975, 67% average, emerged 44%. Oats 65% seeded, 55% 1975, 61% average, emerged 37%. Corn 10% seeded, 6% 1975, 8% average. Soil moisture short. Livestock condition good. Ranges and pastures very poor southeast, fair to good elsewhere.

FLORIDA: Temperatures high 80's to low 90's. Cool nights with lows in 50's. Temperatures near normal. Mostly warm peninsula with only isolated showers. Partly cloudy Panhandle with scattered thundershowers of 0.25 to 0.75 in. late week.

Soil moisture short. Corn planting complete. Peanut and soybean planting delayed due to dry weather. Tobacco good condition, resetting about complete. Small grains ready to combine. Peach harvest to begin last week April. Sugarcane good condition. Grazing conditions poor to fair. Cattle conditions poor to good. Citrus groves dry, need rain badly, all available irrigation being used. New crop fruit setting, excessive fruit falling off. Valencia harvest active. Harvest spring vegetables increased 7% from previous week. New volume leader, potatoes, increased 62%. Sweet corn rose 34%. Squash at peak production. Soil moisture low. Irrigation heavy. Watermelon harvest underway.

GEORGIA: Temperatures 5 to 7° above normal north and west and 1 to 3° above normal extreme southeast. Widely scattered showers thundershowers midweek north portion.

Soil moisture short. Fieldwork: Six days suitable but dry soils interrupted planting germination. Weekend showers but more needed. Corn declined, fair to good. Planting 83% complete, last year average 50%. Tobacco transplanting 99% complete, last year 95%, average 94%. Condition lower, fair to good. Cotton 58% planted, last year 16%, average 24%. Stand obtained 6%. Peanuts fair to good, 42% planted, last year 15%, average 22%. Soybeans good 2% planted, last year and average 1%. Small grains fair to good, dryness hurting yields, much acreage headed on short stalk. Apples good, some fire blight. Peaches good, still thinning. Watermelons fair to good, 92% planted, last year 75%. Pastures and cattle mostly fair to good.

HAWAII: Weather mostly partly cloudy to cloudy with light rains. Winds some area stronger than normal caused bruising to crops exposed areas.

Spraying frequent to control insect and disease damage. Leaf lettuce getting short from disease damage and smaller heads. Head cabbage production continues active on Maui. Bananas light. Papayas light, more acreage is coming into production on Kauai. Pineapple-light. All sugar mills operation.

IDAHO: Temperatures 3 to 10° below normal. Extremes: 71 and 20°. Precipitation below normal ranging from 0.02 in. southeast to 0.86 in. north.

Rain and snow showers temporarily halted farm activities. Soil moisture supplies adequate. Southwest and southcentral Idaho, planting and field work very active. Winter wheat good condition. Spring wheat 30% seeded, 15% 1975, spring barley 25% complete, 10% 1975. Mixed grain 45% seeded, 30% 1975. Oats 35% planted, 15% 1975. Sugarbeets 50% seeded, 25% 1975. Potatoes 10% planted, 2% 1975. Livestock excellent condition. Winter feeding continuing. Some cattle and sheep going to low elevation range. Hay short in some areas. Calving and lambing active.

ILLINOIS: Temperatures 1 to 3° subnormal northwest 1 to 6° above normal elsewhere. Warm period continued 11th week. Precipitation over 4.00 in. parts of north: 1.00 to 2.00 in. most of south.

Corn 24% planted, 6% 1975, 3% average. Winter wheat 25% excellent, 69% good, 5% fair, 1% poor. Alfalfa and red clover hay mostly good. Pastures mostly good, supplying 68% livestock roughage requirements. Soil moisture 34% short, 58% adequate, 8% surplus. Fieldwork: 4.0 days suitable.

INDIANA: Warm, dry until cool and rainy weekend. Rain 1.00 to 1.30 south and central, 1.50 to 4.00 in. north. Air and soil temperatures 4 to 6° above normal. Humidity and evaporation above normal.

Fieldwork: 6 days suitable. Topsoil moisture short to adequate. Subsoil moisture short to mostly adequate. Corn and soybean land 90% plowed, 1975 80%, average 55%. Corn 15% planted, 1975 5%, average 0%. Oats 95% seeded, 1975 85%, average 50%. Oats 3 in. high, 1 in. 1975. Wheat 11 in. high, 6 in. 1974, 8 in. average. Wheat starting to head in south, 40% jointed. Rye 20% headed. Barley 45% headed. Pastures fair to good.

IOWA: Temperature 3° below normal northeast to 2° above normal southwest. Scattered light frost 25th north, east. Excessive precipitation ranged from 1.00 in. Northwest to locally near 6.00 in. southeast. Normal about 0.80 in. Rain accompanied by severe thunderstorms, several funnels. Flooding rivers central, southeast.

General rains brought fieldwork to near standstill. Little soil erosion. Fieldwork remains ahead of schedule. Plowing 95% complete, 60% last year, 69% average. Corn planting 6% complete 1% last year, 3% 5-year average. Greatest corn planting progress northwest and west central. Corn starting to emerge southern third. Need warm, sunny weather for full-scale corn planting. Oat seeding complete, 22% last year, average 66%. Oats emerging, condition good. Winter wheat condition fair to good. Pasture condition good showing good growth. Topsoil moisture 7% short, 49% adequate, 44% surplus. Subsoil moisture 14% short, 74% adequate, 12% surplus.

KANSAS: General to heavy rains accumulations averaged 0.50 in. to 0.75 in. northwest and west central to 1.00 in. to nearly 3.00 in. elsewhere. Local amounts to 5.00 in. Temperatures 55° northwest to 62° southeast, generally 3° above normal.

Cool, damp weather and replenished topsoil moisture ideal for wheat. Wheat 65% jointed, 30% last year, 55% average. Subsoil moisture still short west. Greenbugs, army cutworms, brown wheat mites reported across State. Oats 100% planted, 90% normal, 75% last year. Barley 100% planted, 90% normal, 70% last year. Corn 20% planted, 5% last year, 15% average.

KENTUCKY: Temperatures 10° above normal turning colder 25th. Rainfall 1.25 in. west to around 0.50 in. east 20th and 21st and again weekend.

Fieldwork: about 5 days favorable. Soil moisture short despite showers. Corn planting advanced rapidly, 41% complete vs. 13% average. Tobacco plants growing rapidly, but beds require water. Most plants size of dime or less. Wheat 40% headed vs. 3% last year and 14% average. Barley 57% headed. Alfalfa hay making rapid growth. Pastures holding well despite hot, dry weather. Crops 2 weeks ahead of normal. Peaches and apples show earlier freeze losses possibly only 1/2 crop. Sheep shearing 25% done.

LOUISIANA: Temperatures 3° above normal. Extremes: 89 and 42°. Showers north and west early in week and statewide 24th.

Fieldwork: 5.9 days suitable. Soil moisture short central, south, and Delta; adequate elsewhere. Cotton 20% planted, 6% last year, 17% aver-

age. Rice 67% planted, 72% last year, 68% average. Corn 82% planted, 53% last year, 72% 1974. Sugarcane fertilization and herbicide application continued active; good rain would be beneficial. Strawberry harvest declining. Sweetpotato transplanting general. Small grains good; heads filling. Pastures average. Cattle fair to good.

MARYLAND & DELAWARE: Temperatures 12 to 19° above normal. Extremes: Mid 90's, low 40's. Precipitation, mostly north central Maryland, trace to 0.53 in. Weekend cooler with rain.

MICHIGAN: Temperatures 2 to 8° above normal over Southern Lower and 1 to 4° above normal over Northern Lower and Upper Peninsula. Extremes: 60's and low 70's and 30's. Wet over Southern Lower with 2.00 to 4.00 in. of precipitation late week. Precipitation over Northern Lower and Upper totaled 0.25 to 1.00 in. rain 21st and 22nd. Over Southern Lower 1 to 4 in. snow 25th.

Fieldwork ahead of normal. Warm weather increased plowing and planting activities oats, corn, sugarbeets, and potatoes. Soil moisture adequate. Fieldwork: 4 days suitable. Corn 5% planted, none in average years. About 70% oats planted, 25% last year, 30% average. Sugarbeets 80% planted, none last year and 13% average. Potatoes 22% planted, 2% last year; 5% average. Some fruits petal fall stage in southern areas.

MINNESOTA: Cooler temperatures below normal. Extremes: 69 and 28°. Precipitation 0.50 in. above normal south quarter and 0.10 to 0.30 in. below the 0.50 in. average elsewhere, except extreme west where averages ranged 0.20 in. above normal. Heavy rainfall averaged 1.40 in. southeast.

Showers slowed fieldwork Red River Valley. Percent seeded: spring wheat 56%, normal 25%, oats 72%, normal 30%, barley 37% normal 16%, flax 25% normal 12%. Corn land 44% prepared, normal 18% 4% planted, normal 0%. Full planting beginning. Soybean land 22% prepared, normal 7%, none planted. Sugarbeets 34% planted, normal 2%. No fieldwork done this time 1975.

MISSISSIPPI: Temperatures 1 to 2° above normal. Extremes: 87 and 42°.

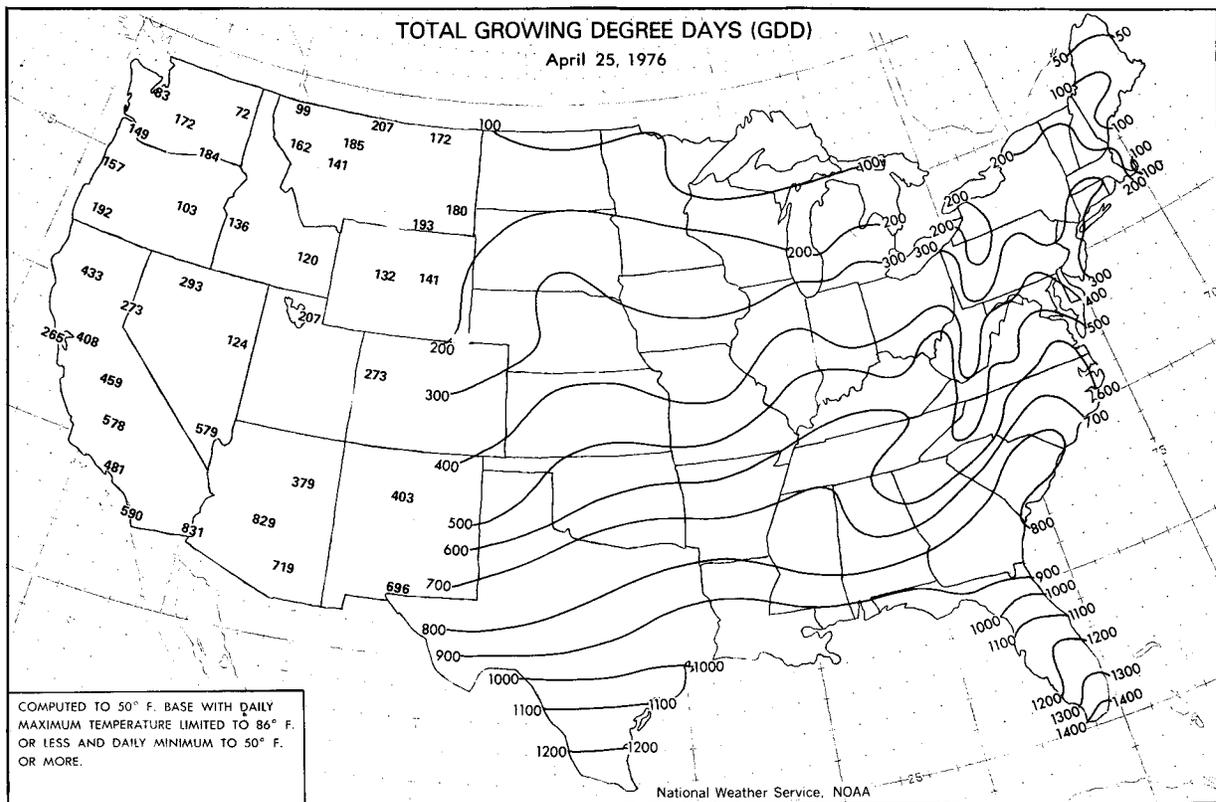
Soil moisture short before rain 24th. Fieldwork: 6.1 days suitable. Cotton 35% planted, 6% 1975, 19% average. Rice 70% planted, 25% 1975; 3% up to stand. Corn 67% planted, 33% 1975, 33% average; 31% up to stand, 16% 1975. Winter wheat 76% headed, 75% 1975. Oats 74% headed, 67% 1975. All crops and livestock fair to good condition.

MISSOURI: Temperatures 3 to 4° above average. Precipitation 1.25 in. to 3.25 in. except 0.75 in. Bootheel.

Farm Activities: Fieldwork: 2 days suitable, plowing 93% complete, approximately 2 weeks ahead of normal. Corn planting 43% complete, 1975 13% average 21%. Cotton planting 26% complete, 1975 6%, average 5%. Grain sorghum planting began, 7% planted, approximately 1 week ahead of normal. Wheat in heading stage all areas except north. Wheat corn and pasture condition fair to good. Soil moisture 17% short, 75% adequate, 8% surplus.

MONTANA: Temperatures 2° below normal. Precipitation moderate to heavy except southeast.

Spring seeding ahead of normal. Spring wheat and barley planting 50% complete, oats 35%, sugarbeets 40%. Winter wheat condition mostly good, wintertill light. Topsoil moisture fair to adequate. Subsoil moisture and stock water adequate. Calving 80%, lambing 70%, and shearing 70% complete.



NEBRASKA: Temperatures near normal. Showers and thunderstorms ranging 0.25 to 4.00 in. Moisture supplies improving. Winter wheat condition also improved by rains. Alfalfa and wild hay fair to good condition. Corn planting nearly 5% planted. Sugarbeet planting slowed by rains. Oats and barley 95% planted, 40% planted last year. Pasture and range feed supplies improving providing limited grazing.

NEVADA: Temperatures mild early, cool end. Readings near normal to 5° above. Extremes: 91 and 14°. Scattered light precipitation accompanied outbreak of cool air. Alfalfa haying continued southern valleys. Move livestock to summer ranges slow. Some small grain seeding south.

NEW ENGLAND: Record heat 19th, temperatures 20 to 35° above normal. Cooling 20th through 24th, lowest temperature 24°. Showers 22nd 0.20 in. south and 0.30 in. north. Apples between full bloom and petal-fall. Conditions not favorable for pollination. Growers concerned about frost next 3 weeks.

NEW JERSEY: Temperatures 6 to 12° above normal. Extremes: 35 and 94°. Rainfall 1.00 in. north 0.50 in. central and 0.30 in. south. Estimated soil moisture in percent of field capacity averaged: 87% north, 67% central and 57% south. Four in. soil moisture temperature: 50 to 55° north and central and 58° south. Weekend showers beneficial, more rain needed. Plowing, planting, lime and fertilizer spreading active. Harvest of asparagus, spinach and greens increasing. Onions up 8 in. Sweet corn and tomato planting increasing. Apple bloom past.

Peaches in shuck split stage central areas past in south Jersey. Strawberries and blueberries in bloom. Small grains growing nicely.

NEW MEXICO: Cold with light rain and snow 18th and 19th, otherwise dry. Temperatures near normal. Soil moisture short. Dryland wheat poor, irrigated winter wheat and barley fair eastern areas, good elsewhere. Durum wheat good. Cotton planting activity increased, some damaged from freeze. Alfalfa greening, slight alfalfa weevil infestations reported. Ranges and livestock in fair condition.

NEW YORK: Temperatures 4 to 8° above normal. Rain above normal except extreme north and eastern Long Island. Above normal temperatures into midweek cooling thereafter. Rain mainly west 21st. Heavy precipitation in all but extreme north 25th. Unseasonably cold with rain mixed with snow north-east. Good progress spring fieldwork. Oats 35% planted, corn planting started. Wheat condition good. Long Island potato planting complete Upstate underway. Lettuce replanting underway after burn off. Celery transplants irrigated, condition good. Cabbage transplanting almost complete. Strawberries in blossom. Some McIntosh and Cortland bud damage Hudson Valley. Grape buds showing green. Tying 50% complete.

NORTH CAROLINA: Unseasonably warm and dry. Temperatures in 80's and low 90's for afternoon highs. Rainfall generally insignificant. Fieldwork: 5.9 days suitable. Soil moisture 65% very short and 35% short. Most crops suffering from lack of rain. Small grains, Irish potatoes, and tobacco plant beds mostly fair to

good. Tobacco in fields poor to mostly fair; 27% transplanted, 1975 17%, average 18%. Vegetables and pasture mostly fair. Peaches poor to good but mostly fair. Corn 70% planted, 1975 45%, average 40%. Cotton 28% planted, sorghum, peanuts and soybeans all 5% planted.

NORTH DAKOTA: Temperatures 4° below normal. Extremes: 65 and 21°. Precipitation above normal except northeast, ranging from 0.42 in. above normal to 0.02 in. below normal. Weekend temperatures below normal with rain.

Cool, wet weather slowed spring planting but still ahead of average. Hard red spring wheat 31% planted compared with 21% average and 0% last year. Durum 13% planted, 10% average and 0% last year. Pasture condition improving.

OHIO: Needed precipitation 21st, 24th and 25th. Range: 2.12 in. northwest to 0.33 in. southeast. Temperatures above normal 10° north to 16° south. Extremes: 89 and 32°.

Planting completed: corn - 25%, 10% 1975 and 10% normal, oats - 95%, 85% 1975, and 60% normal; sugarbeets - 95%, 90% 1975 and 55% normal; potatoes - 50%, 40% 1975 and 30% normal, a few fields of soybeans north, ahead of normal. Average wheat height, 8 in. Wheat and oats condition fair to good. Soil moisture supplies: 50% short, 50% adequate. Fieldwork: 6 days favorable.

OKLAHOMA: Temperatures 1° below normal to 2° above normal. Precipitation 1.18 in. southwest to 4.66 in. east central. Weekend cool to mild with a few scattered showers.

Wheat crop heading on short straw. Crop 44% headed, 2% year ago, 27% average. Half crop rated good, but 20% remains poor. Moisture supplies ample except western Panhandle where more rain needed to assure grain crop. Oats and barley heading rapidly, both crops good to fair condition. Wet soils held planting of corn and sorghums to minimum, slowed seedbed preparation for cotton, peanuts, and soybeans. Alfalfa making good growth, insect problems waning. First cutting underway this week, near average. Ranges making good growth, condition shows marked improvement. Livestock need supplemental feeding few areas. Cattle reflecting improved condition of ranges.

OREGON: Temperatures 3 to 8° below normal. Extremes: 60's, 30's west; 60's, 20's east. Precipitation 0.39 to 1.63 in. along coast, 0.60 in. in Willamette Valley, 0.08 to 0.39 in. east.

PENNSYLVANIA: Temperatures 10 to 15° above normal. Sunny, warm and dry early, cooling trend thereafter. Extremes: 96 and 29°. Showers and thunderstorms, heaviest rain 1.00 to 2.00 in. west and north. South central and southeast 0.25 to 0.75 in. Snow up to 1 in. north central mountains.

Fall seeded crops in fair to good condition. Spraying fall crops for vetch and mustard. Fertilizing fall crops near completion. Spring land preparation continues. Bloom heavy in most cherry orchards. Italian prunes and pears in full bloom. Peaches just past full bloom. Growers spraying filberts for leafroller. Potato planting continues. Onions emerging. Livestock in good condition. Pastures improving but need warm weather. Hay supplies tight some areas.

PUERTO RICO: Island average rainfall 0.86 in. or

0.44 in. below normal. Highest total 5.08 in. Pico Del Este-Luquillo. Temperatures averaged 75° coast, 70° interior. Sunny weather favored sugarcane harvesting and tobacco harvest and drying. Flowering of coffee started but lack of rain worries farmers. In few areas of interior, west sectors, pastures recovering, more rain needed most areas. Food crop cultivation continues but more rain needed for new plantations.

Soil moisture mostly short. Fieldwork: 6 days suitable. Activities: plowing, planting oats, corn and potatoes, grape trimming and tying, general orchard work. Plowing 77%, three weeks ahead of 1975. Oats sown 73%, two weeks ahead of 1975. Potatoes planted 41%, 12 days ahead of 1975. Corn planted 8%, last year and usual under 5%. Barley and wheat near 5% boot, same as 1975. Hay fair to good. Feed from pastures below average, need rain. Fruit development two weeks ahead of usual. Apples 63% full bloom, peaches 73%, cherries 83%.

SOUTH CAROLINA: Temperatures 4 to 8° above normal. Scattered showers 21st, precipitation mostly central, north central. Light, scattered rain occurred end week.

Dry conditions slowed activities. Soil moisture short to very short. All areas need rain. Disease, drought damage to small grains. Preparing for soybean planting. Some limited planting underway. Sand, wind damage to corn, tomatoes. Tobacco stands fair; cut worm, flea beetle, snails causing trouble. Stands hurt by dry weather, wind retransplanted some areas. Plant supply inadequate. Corn planted 85%, 1976; 63%, 1975; 62%, average. Tobacco planted 91%, 1976; 70%, 1975, 67%, average. Cotton planted 53%, 1976; 23%, 1975; 32%, average. Watermelons 92%, 1976; 84%, 1975; 79%, average. Peanuts 37%, 1976; 26%, 1975; 22%, average.

SOUTH DAKOTA: Temperatures 0 to 2° below normal. Highs in 60's to low 70's. Lows in 20's and 30's. Extremes: 73 and 24°. Precipitation covered State. Amounts varied but 0.50 in. and most reports 0.50 in. and below.

Topsoil moisture short in central stretching from east to west border and across southern border east to Missouri River. Elsewhere, topsoil moisture is adequate. Fieldwork slowed slightly by rains, but plowing and grain seeding two to three weeks ahead of normal. Spring plowing 65% complete, 1975 10%, normal 34%. Spring wheat 95% seeded, 1975 9% seeded, normal 54%. Oats 92% seeded, 1975 12% normal 57%. Corn being planted in southern areas; further north, farmers waiting for warmer weather. Corn 1% seeded. Livestock in good condition, few problems reported. Cattle moved to pastures. Pastures short, but improving. Spring lambing far along, early lambing completed. Calving underway.

TENNESSEE: Two cold fronts brought rain ranged from 0.20 in. northeast to 1.50 in. west. Temperatures about 3° above normal west to 5° above normal east.

Rains west and light showers east alleviated dry soil conditions which slowed planting progress and crop development. Fieldwork made rapid progress. Main activities: plowing, disking, fertilizing and planting. Fieldwork: 5.5 days suitable. Alfalfa and small grain growth slowed due to dry soil before weekend. Moisture in east short. Alfalfa weevil damage reported middle. Crop development considerably ahead of normal. Oats 40% headed, wheat 67%. Corn over 50% and cotton over 40% seeded.

TEXAS: Rainfall ranged from 0 extreme west to 0.50 in. above normal eastern half. Showers east Texas 24th followed by more showers west Texas 26th continued south central, southeast Texas 28th. Temperatures 2 to 7° above normal.

Wheat and oats showing good response to recent rains though for dryland stands rains too late. Planting cotton, corn, sorghum, peanuts good progress before rains drove farmers from fields. Stands showing satisfactory growth southern half, some localities grass and weed problems along with scattered insects. Lower Rio Grande Valley: Onion harvest continues. Cabbage, carrots, potato harvest active. Peppers, cantaloups, tomatoes, watermelons making good progress. Coastal Bend: Cucumber picking slowed because rains. Heavy winds whipped off some small melons in some locales. Laredo: Melons emerged, making satisfactory progress. San Antonio Winter Garden: Most onions bulbing. Cantaloups, watermelons making good growth with early fields blooming. Carrot digging active. Central: Watermelons developing slowly due cool, damp weather. Tomatoes showing good progress most areas with early fields fruiting. East: Watermelon planting passed peak. Most tomatoes showing good progress. Sweetpotato land ready planting. Knox-Haskell: Irish potatoes making good progress. Heavy winds along with blowing sand damaged some early watermelons. Trans-Pecos: Weeding onion fields underway. High Plains: Potatoes, onions making good progress. Peaches: Making normal to rapid development. Citrus: Harvest nearing completion.

Ranges continue excellent response recent rains grazing improving rapidly. Livestock condition improving also. Ranchers Edwards Plateau Trans-Pecos ending winter feeding programs. Sheep shearing excellent progress but southern areas screwworms becoming problem. First cutting hay made scattered areas most localities show good prospects.

UTAH: Scattered rain or snow northwest. Accumulated amounts extremely variable locally very heavy northwest. Average temperatures near normal but locally 3 to 8° below normal. Colder valleys, northwest.

Planting progress varies. Spring wheat 55% planted, oats 45% planted, barley 50% planted. Sugarbeets 40% planted, corn planting not started. Fruit prospects good with little or no freeze damage. Calving 70% completed, shearing about 30% completed, range lambing about 25% complete.

VIRGINIA: Extremely high temperatures first averaged 13° above normal for week. Extremes 97 and 35°. Precipitation very light, less than 0.10 in.

Fieldwork: 5.8 days suitable. Topsoil moisture: 98% short, 2% adequate. Corn planting 34%; 1975, 21%; average 15%. Fieldwork slowed by dry weather. Most tobacco plantbeds being irrigated. Soybean and peanut planting started. Small grains need rain badly, heading out short. Vegetable planting slowed by lack of moisture. Freeze damage to fruit 40% to 100% loss. Pastures and

hay in poor condition. Feeding hay to some animals on grazing land. Yields from first hay cuttings will be short.

WASHINGTON: West: Temperatures 2° to 6° subnormal. Precipitation well above normal except along coast and in Brekerton.

Planting: green peas, lettuce, radishes, seed beets. Early turnips and cabbage fields blooming. Preparing ground for silage and sweet corn. Pasture growth slow and too short for grazing.

East: Readings 5 to 1° subnormal. Precipitation near normal to 0.50 in. above normal.

Temperatures fell sufficiently to cause orchard heating. No frost damage. Cherries, peaches in full bloom. Pears near full bloom. Apples reached first pink. Some cherry growers anticipating problem in over-set fruit and preharvest drop. Plantings in Columbia Basin: potatoes, alfalfa, sugarbeets, field corn. Irrigation widespread. Pastures and fall seeded wheat weed warm weather. Spring work included: spraying, fertilizing, preparing seed beds for spring seeded cereals, peas, lentils. Hay supplies short.

WEST VIRGINIA: Temperatures above normal, averaged 70°. Precipitation below normal occurred as showers midweek.

Fieldwork: 5.3 days suitable. Soil moisture short to adequate. Crops fair. Planted: oats 83%, potatoes 79%, tobacco seeded 98% with 51% emerged. Spring planting ahead of last year. Farm activities: plowing, fencing and gardening. Cattle in good condition on pasture.

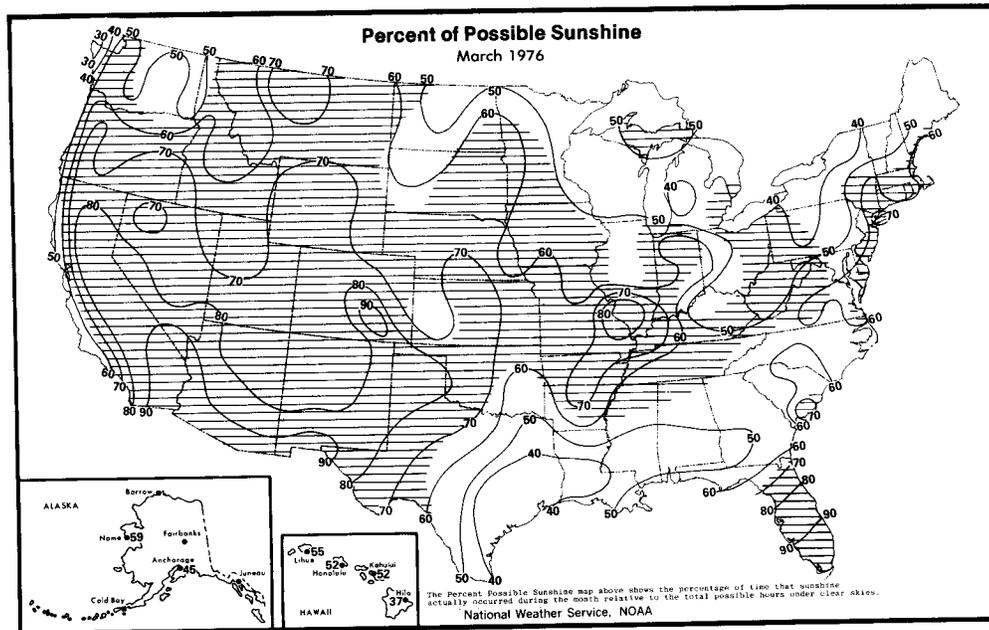
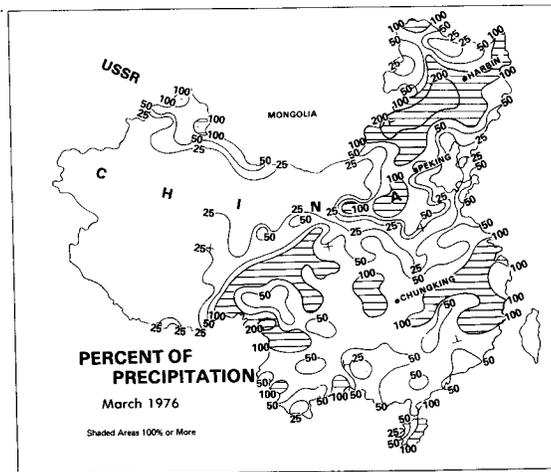
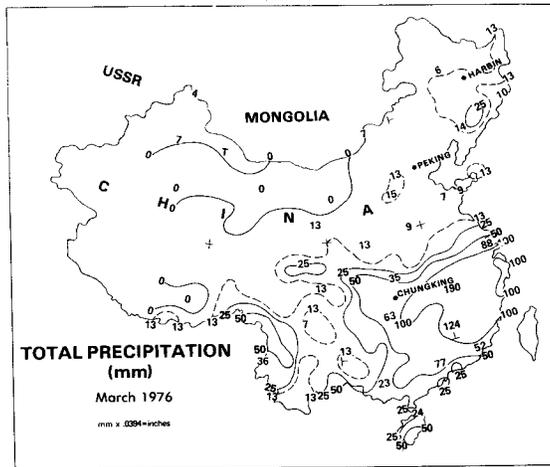
WISCONSIN: Wet, cool week. Temperatures near normal but cooler than previously. Rain heavy as showers and thunderstorms. South weekly totals exceeded normal average for entire month.

Rains stopped fieldwork. Oats 38% seeded, 1975 2%, normal 20%. Early oats and other small grains up and doing good. Some washing of newly planted grain fields from heavy rains. Winter wheat generally good. Spring plowing 32% done, 1975 5%, normal 20%. Corn 1% planted, 1975 and normal none. Hay and pastures growing well, best and earliest start in many years. Moisture plentiful for continued growth. Soil moisture 52% adequate, 48% surplus prior to weekend rains. Some early potatoes, peas, and cabbage planted. Tobacco beds being seeded, early seeded beds look good. Need sunny and warm weather for next several days to dry fields.

WYOMING: Temperatures below normal. Light precipitation well below normal.

Major activities: row crop seedbed preparation and planting, irrigation, calving, lambing, and shearing. Topsoil moisture: 25% short, 75% adequate. Sugarbeet plantings jumped from 1 week behind to 1 week ahead normal at 58% seeded, spring wheat 62%, oats 46%, barley 66%--all ahead of normal. Range shearing slowed by unsettled weather. Calving 74% completed, about normal. Ewes lambed: farm flock 80%, range 40%. Sheep shorn: farm flocks 78%, range 46%.

China Precipitation



THIS TABLE IS REPRINTED FROM LAST WEEK'S BULLETIN TO CORRECT THE TOTAL PRECIPITATION AND ITS DEPARTURE FROM NORMAL BEGINNING WITH YOUNGSTOWN, OHIO

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., April 18, 1976

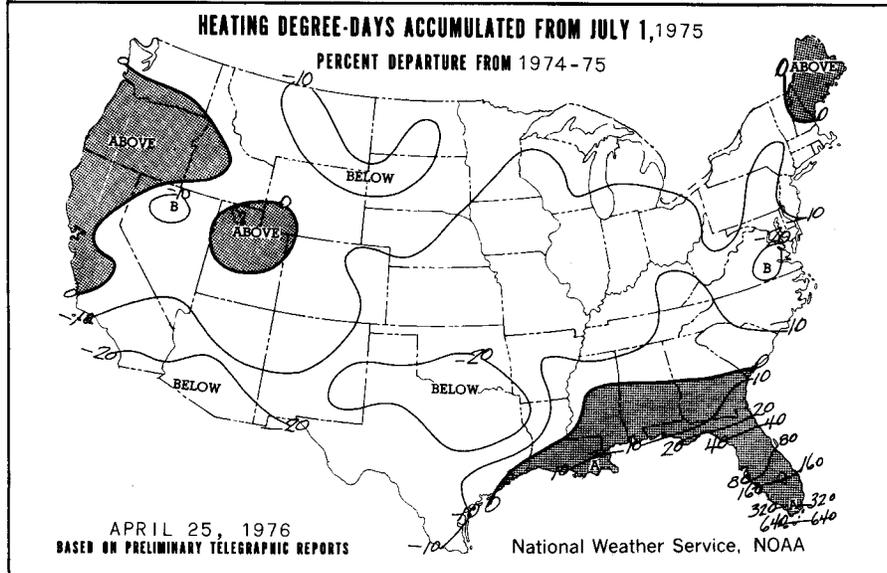
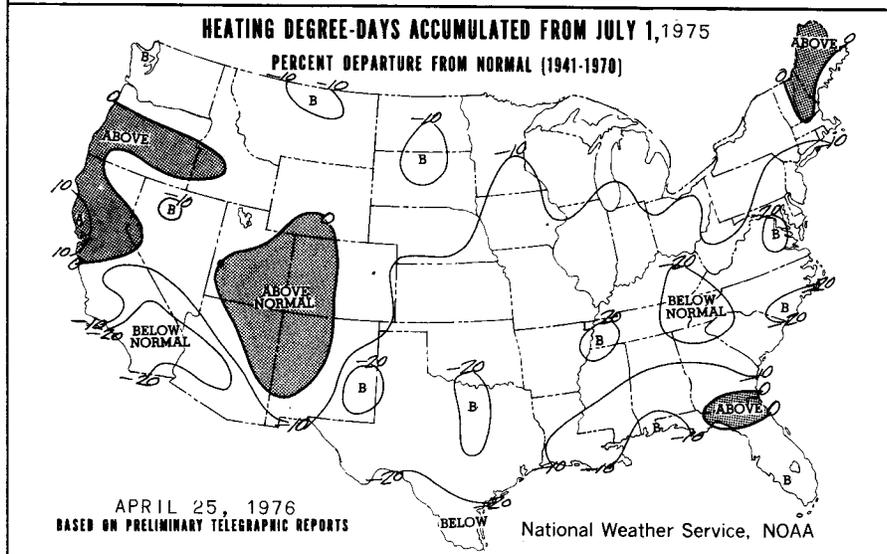
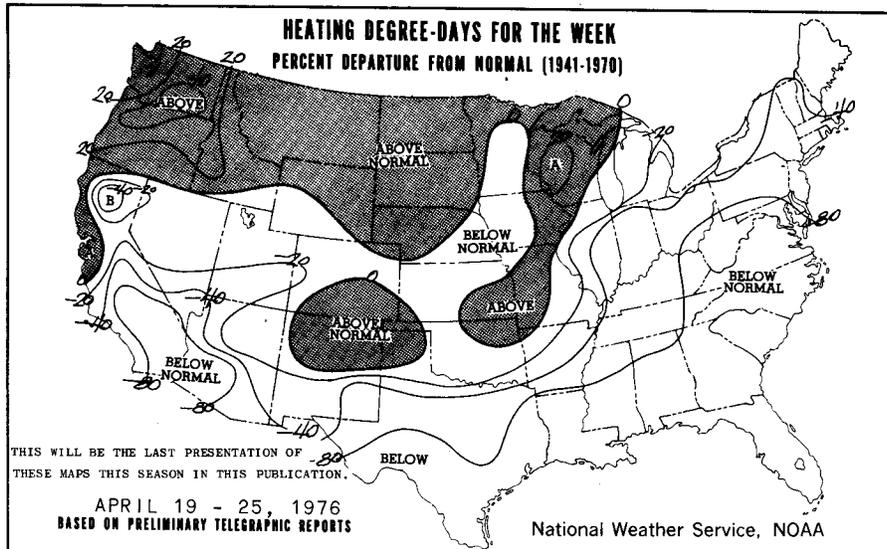
States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	65	+ 2	.1	-1.0	La. Baton Rouge . . .	72	+ 4	T	-1.2	Youngstown . . .	59	+11	T	-.8
Mobile . . .	72	+ 4	.7	-.6	Lake Charles . . .	72	+ 3	.2	-.8	OKLA. Okla. City . . .	66	+ 5	1.0	+ .2
Montgomery . . .	67	+ 2	T	-1.0	New Orleans . . .	72	+ 3	T	-1.0	Tulsa . . .	66	+ 5	2.4	+1.4
ALASKA Anchorage . . .	33	- 2	.2	+ .1	Shreveport . . .	74	+ 5	T	-1.2	OREG. Astoria . . .	46	- 2	1.3	+ .2
Barrow . . .	-	-	-	-	MAINE Caribou . . .	33	- 3	.1	-.5	Burns . . .	37	- 7	2	+ .1
Fairbanks . . .	30	+ 1	T	- .1	Portland . . .	47	+ 4	T	-.8	Medford . . .	43	- 7	.9	+ .7
Juneau . . .	40	+ 1	.6	- .1	MD. Baltimore . . .	61	+ 7	0	-.7	Pendleton . . .	45	- 7	.2	0
Kodiak . . .	-	-	-	-	MASS. Boston . . .	61	+12	.1	-.7	Portland . . .	47	- 3	.4	- .1
Nome . . .	6	-12	T	- .2	Chatham . . .	49	-	T	-	Salem . . .	44	- 6	.3	-.2
ARIZ. Flagstaff . . .	32	-10	2.9	+2.6	MICH. Alpena . . .	59	+19	.5	-.1	PA. Allentown . . .	58	+ 8	0	-.9
Phoenix . . .	59	- 9	.7	+ .6	Detroit . . .	60	+12	.3	-.5	Erie . . .	56	+11	T	-.8
Tucson . . .	56	- 9	.6	+ .5	Flint . . .	59	+13	1.3	+ .6	Harrisburg . . .	59	+ 6	0	-.7
Winslow . . .	45	- 9	.2	+ .1	Grand Rapids . . .	60	+13	1.8	+1.0	Philadelphia . . .	61	+ 8	T	-.8
Yuma . . .	59	-12	.4	+ .4	Houghton Lake . . .	58	+16	.1	-.5	Pittsburgh . . .	57	+ 7	0	-.8
ARK. Fort Smith . . .	68	+ 6	1.6	+ .5	Lansing . . .	61	+14	.8	+ .1	Scranton . . .	57	+ 9	T	-.7
Little Rock . . .	67	+ 5	.3	-.9	Marquette . . .	56	+16	.2	-.4	R.I. Providence . . .	58	+11	.1	-.8
CALIF. Bakersfield . . .	57	- 6	.5	+ .2	Muskegon . . .	58	+13	.5	-.3	S.C. Charleston . . .	64	0	0	-.6
Eureka . . .	46	- 4	.4	- .3	S. Ste. Marie . . .	52	+14	.4	-.1	Columbia . . .	67	+ 3	0	-.8
Fresno . . .	53	- 7	.1	- .2	MINN. Duluth . . .	51	+12	.6	0	Greenville . . .	62	+ 1	0	-1.0
Los Angeles . . .	54	- 8	.4	+ .1	Internatl Falls . . .	51	+13	.7	+ .3	S.D. Aberdeen . . .	55	+11	.5	0
Red Bluff . . .	54	- 5	T	-.4	Minneapolis . . .	62	+17	.3	-.2	Huron . . .	54	+ 8	.4	- .1
San Diego . . .	58	- 3	1.0	+ .8	Rochester . . .	60	+15	1.4	+ .8	Rapid City . . .	51	+ 6	.8	+ .3
San Francisco . . .	52	- 3	T	-.4	St. Cloud . . .	58	+15	.6	+ .1	Sioux Falls . . .	58	+12	1.0	+ .5
Stockton . . .	52	- 6	T	-.3	MISS. Jackson . . .	71	+ 5	.1	-1.0	TENN. Chattanooga . . .	62	+ 1	0	-1.0
COLO. Denver . . .	50	+ 2	.4	0	Meridian . . .	68	+ 3	T	-1.2	Knoxville . . .	62	+ 2	0	-.8
Grand Junction . . .	49	- 3	.4	+ .2	MO. Columbia . . .	63	+ 8	.2	-.7	Memphis . . .	69	+ 6	.5	-.8
Pueblo . . .	51	- 1	.1	- .2	Kansas City . . .	63	+ 8	1.5	+ .7	Nashville . . .	64	+ 4	0	-1.0
CONN. Bridgeport . . .	55	+ 7	T	-.8	St. Louis . . .	64	+ 7	T	-.9	TEX. Abilene . . .	62	- 3	2.4	+1.8
Hartford . . .	59	+11	.2	-.7	Springfield . . .	64	+ 7	.8	-.2	Amarillo . . .	57	0	.7	+ .4
D.C. Washington . . .	63	+ 7	0	-.6	MONT. Billings . . .	49	+ 4	1.1	+ .7	Austin . . .	70	+ 1	4.1	+3.2
FLA. Apalachicola . . .	67	- 1	T	-.9	Glasgow . . .	50	+ 7	T	-.1	Beaumont . . .	73	+ 4	T	-1.0
Daytona Beach . . .	66	- 4	0	-.6	Great Falls . . .	47	+ 3	.5	+ .2	Brownsville . . .	77	+ 2	.1	-.2
Ft. Myers . . .	69	- 4	.1	-.3	Havre . . .	52	+ 8	.1	-.1	Corpus Christi . . .	77	+ 4	.7	+ .2
Jacksonville . . .	64	- 4	T	-.7	Helena . . .	43	0	.2	0	Dallas . . .	-	-	-	-
Key West . . .	74	- 4	.5	0	Kalispell . . .	42	0	.6	+ .4	Del Rio . . .	70	- 2	1.0	+ .6
Lakeland . . .	70	- 2	0	-.6	Miles City . . .	52	+ 7	.7	+ .4	El Paso . . .	59	- 5	.3	+ .3
Miami . . .	73	- 2	.9	+ .1	Missoula . . .	45	+ 1	.2	0	Fort Worth . . .	68	+ 3	2.8	+1.8
Orlando . . .	69	- 2	T	-.6	NEBR. Grand Island . . .	61	+11	1.1	+ .5	Galveston . . .	73	+ 4	0	-.6
Tallahassee . . .	69	+ 1	T	-.9	Lincoln . . .	61	+12	.8	+ .1	Houston . . .	72	+ 3	8.3	+7.5
Tampa . . .	69	- 3	T	-.5	Norfolk . . .	61	+12	.8	+ .3	Lubbock . . .	61	+ 1	1.2	+1.0
W. Palm Beach . . .	72	- 2	0	-.8	N. Platte . . .	52	+ 4	1.0	+ .6	Midland . . .	64	0	1.0	+ .8
GA. Atlanta . . .	65	+ 4	0	-1.1	Omaha . . .	63	+13	1.5	+ .8	San Angelo . . .	60	- 7	.9	+ .5
Augusta . . .	64	0	T	-.8	Valentine . . .	53	+ 7	.6	+ .2	San Antonio . . .	69	- 1	2.6	+2.0
Macon . . .	67	+ 1	0	-.8	NEV. Ely . . .	33	- 8	.6	+ .3	Victoria . . .	73	+ 2	1.9	+1.3
Savannah . . .	64	- 2	0	-.6	Las Vegas . . .	54	-10	.1	0	Waco . . .	68	+ 1	2.5	+1.5
HAWAII. Hilo . . .	-	-	-	-	Reno . . .	40	- 7	.2	+ .1	Wichita Falls . . .	67	+ 2	2.0	+1.3
Honolulu . . .	-	-	-	-	Winnemucca . . .	41	- 4	.4	+ .2	UTAH. Blanding . . .	42	- 5	.7	+ .5
Kahului . . .	-	-	-	-	N. H. Concord . . .	51	+ 7	0	-.7	Salt Lake City . . .	46	- 3	.6	+ .1
Lihue . . .	-	-	-	-	N. J. Atlantic City . . .	55	+ 3	0	-.8	VT. Burlington . . .	55	+12	0	-.6
IDAHO. Boise . . .	43	- 6	.5	+ .2	Trenton . . .	60	+ 3	0	-.7	VA. Lynchburg . . .	61	+ 4	0	-.6
Lewiston . . .	46	- 4	.9	+ .6	N. MEX. Albuquerque . . .	48	- 8	.3	+ .2	Norfolk . . .	62	+ 4	0	-.6
Pocatello . . .	42	- 3	.3	0	Roswell . . .	61	+ 1	.1	0	Richmond . . .	62	+ 4	0	-.6
ILL. Cairo . . .	67	+ 7	T	-1.0	N. Y. Albany . . .	55	+ 8	.3	-.3	Roanoke . . .	61	+ 5	0	-.6
Chicago . . .	66	+16	T	-.9	Binghamton . . .	54	+ 9	.2	-.5	WASH. Colville . . .	42	- 4	4	+ .2
Moline . . .	64	+13	.3	-.6	Buffalo . . .	61	+ 9	T	-.8	Omak . . .	45	- 3	T	-.2
Peoria . . .	64	+12	T	-1.1	New York . . .	57	+11	.8	+ .2	Quillayute . . .	43	- 3	1.9	- .1
Rockford . . .	61	+13	.9	0	Rochester . . .	55	+ 8	2.9	+2.1	Seattle-Tacoma . . .	43	- 6	.4	-.2
Springfield . . .	63	+10	T	-1.0	Syracuse . . .	58	+ 2	0	-.8	Spokane . . .	41	- 5	.6	+ .4
IND. Evansville . . .	64	+ 7	0	-.9	N. C. Asheville . . .	62	+ 1	0	-.8	Walla Walla . . .	48	- 5	4	0
Ft. Wayne . . .	60	+11	0	-.8	Charlotte . . .	64	+ 5	0	-.7	Yakima . . .	45	- 4	T	- .1
Indianapolis . . .	60	+ 8	0	-.9	Greensboro . . .	59	0	0	-.7	W. Va. Beckley . . .	58	+ 6	0	-.8
South Bend . . .	64	+16	.4	-.6	Hatteras . . .	63	+ 3	0	-.7	Charleston . . .	60	+ 4	0	-.8
IOWA. Burlington . . .	63	+12	.2	-.7	Raleigh . . .	63	+ 3	0	-.7	Huntington . . .	60	+ 4	0	-.7
Des Moines . . .	64	+14	3.5	+2.8	Wilmington . . .	65	+ 2	0	-.6	Parkersburg . . .	59	+ 4	0	-.8
Dubuque . . .	59	+11	1.3	+ .3	N. DAK. Bismarck . . .	49	+ 6	1.4	+1.0	WIS. Green Bay . . .	58	+14	.4	-.2
Sioux City . . .	61	+11	.9	+ .4	Fargo . . .	53	+11	.1	-.4	La Crosse . . .	60	+12	2.2	+1.6
KANS. Concordia . . .	61	+ 8	1.6	+1.1	Williston . . .	47	+ 4	.7	+ .4	Madison . . .	60	+15	1.1	+ .5
Dodge City . . .	61	+ 7	2.0	+1.6	OHIO. Akron-Canton . . .	57	+ 9	0	-.8	Milwaukee . . .	61	+16	.1	-.6
Goodland . . .	55	+ 6	.3	0	Cincinnati . . .	63	+ 9	0	-.8	WYO. Casper . . .	46	+ 3	.9	+ .5
Topeka . . .	65	+10	2.4	+1.5	Cleveland . . .	58	+10	.1	-.7	Cheyenne . . .	45	+ 2	.2	-.2
Wichita . . .	62	+ 5	1.0	+ .3	Columbus . . .	57	+ 6	0	-.8	Lander . . .	44	+ 1	.6	0
KY. Lexington . . .	60	+ 5	0	-.9	Dayton . . .	59	+ 8	0	-.8	Sheridan . . .	48	+ 4	.8	+ .3
Louisville . . .	62	+ 6	0	-.9	Toledo . . .	60	+12	0	-.7	P.R. San Juan . . .	77	- 1	3.7	+2.9

Heating Degree Days (Base 65°) For Week Ending April 25, 1976

States and Stations	Weekly		Seasonal Accumulation July 1, 1975			States and Stations	Weekly		Seasonal Accumulation July 1, 1975			States and Stations	Weekly		Seasonal Accumulation July 1, 1975		
	TOTAL	Departure*	TOTAL	Departure*	Departure From 1974-75		TOTAL	Departure*	TOTAL	Departure*	Departure From 1974-75		TOTAL	Departure*	TOTAL	Departure*	Departure From 1974-75
ALA. Birmingham	1	-15	2528	288	26	Portland	105	-35	6814	-106	111	Tulsa	27	2	3122	-517	-661
Mobile	0	-3	1393	291	70	MD. Baltimore	2	-62	3859	-722	385	OREG. Astoria	125	11	4453	-116	114
Montgomery	0	-9	2119	137	153	MASS. Boston	34	-65	4654	-660	535	Burns	156	24	7037	519	470
ARIZ. Flagstaff	137	-11	6295	249	385	MICH. Alpena	132	-22	7310	-502	278	Medford	112	18	4502	-24	39
Phoenix	0	-3	1089	458	463	Detroit	73	-30	5656	-426	676	Pendleton	116	29	3452	-1443	-888
Tucson	6	-5	1459	243	710	Flint	83	-33	5876	-721	625	Portland	118	25	4110	231	150
Winslow	57	-11	4700	145	424	Grand Rapids	101	-10	6034	-384	914	Salem	141	43	4560	200	370
Yuma	0	-3	910	95	235	Houghton Lake	121	-19	7190	-558	479	PA. Allentown	34	55	4992	-571	-455
ARK. Fort Smith	16	-1	3080	231	509	Lansing	99	-12	6148	-361	514	Erie	87	7	5751	-604	-566
Little Rock	13	-6	2776	547	284	Marquette	179	-23	7231	-380	236	Harrisburg	15	55	4513	-542	-662
CALIF. Bakersfield	2	-24	2005	144	96	Muskegon	110	-9	5767	-666	706	Philadelphia	16	54	4069	-633	-397
Eureka	108	3	4268	342	236	S. Ste. Marie	167	-1	8246	-142	311	Pittsburgh	21	65	5126	-521	-355
Fresno	10	-24	2943	373	128	MINN. Duluth	166	2	8628	-143	553	Scranton	42	56	5293	-683	-364
Los Angeles	20	-22	1180	427	230	Internat'l Falls	174	10	9609	-203	101	R. I. Providence	46	63	5218	338	-277
Red Bluff	17	-26	2767	178	267	Minneapolis	105	-15	6890	-988	-1047	S. C. Charleston	0	7	1837	-298	-104
San Diego	10	-18	1006	350	267	Rochester	126	6	6884	-898	-1175	Columbia	0	9	2119	-462	-187
San Francisco	66	3	2995	326	101	St. Cloud	121	-10	8073	-304	689	Greenville	0	22	2920	200	-280
Stockton	41	0	2914	214	66	MISS. Jackson	0	-7	2058	-231	8	S. DAK. Aberdeen	126	4	7194	-952	-587
COLO. Denver	96	-9	5213	404	595	Meridian	1	-8	2362	-14	195	Huron	139	27	7074	-568	-623
Grand Junction	62	-16	5644	237	61	MO. Columbia	57	1	4400	-517	945	Rapid City	133	11	6244	-551	-789
Pueblo	85	8	5015	158	225	Kansas City	57	2	4488	-518	919	Sioux Falls	111	1	6796	-651	-788
CONN. Bridgeport	57	-43	4692	458	361	St. Louis	41	-6	4214	-395	782	TENN. Chattanooga	15	11	3328	-111	-363
Hartford	49	-54	5398	639	460	Springfield	54	6	3891	-551	768	Knoxville	3	25	3343	-73	-75
DEL. Wilmington	17	-55	4194	576	455	MONT. Billings	140	16	6365	-358	709	Memphis	9	8	2536	-660	-342
D. C. Washington	0	-46	3283	830	444	Glasgow	142	12	7559	-834	377	Nashville	9	18	3014	-622	-399
FLA. Apalachicola	0	-1	1351	10	336	Great Falls	147	16	6650	-390	771	TEX. Abilene	7	8	2240	-353	-584
Daytona Beach	0	0	851	46	283	Helena	149	15	6841	-1403	-1050	Amarillo	55	5	3539	-528	-829
Ft. Myers	0	0	397	60	251	Kalispell	163	26	7205	-302	632	Austin	1	3	1394	-343	-324
Jacksonville	0	0	1390	63	222	Miles City	155	13	7139	-636	563	Brownsville	0	0	518	-134	-34
Key West	0	0	57	5	50	Missoula	141	10	6809	-438	243	Corpus Christi	0	0	740	-191	-122
Lakeland	0	0	625	53	255	NEBR. Grand Island	83	-4	5621	-523	965	Del Rio	0	0	1177	-348	-277
Miami	0	0	202	4	143	Lincoln	80	3	5382	-601	-1122	El Paso	8	3	2404	-268	-514
Orlando	0	0	660	44	273	Norfolk	85	-9	6028	-650	856	Fort Worth	3	7	1844	-533	-498
Tallahassee	0	-3	1594	31	47	North Platte	113	12	6641	-263	107	Galveston	0	0	985	-239	51
Tampa	0	0	668	50	277	Omaha	66	-4	5103	-738	-1209	Houston	0	0	1309	-125	-25
W. Palm Beach	0	0	306	7	194	Valentine	114	2	6497	-387	460	Lubbock	19	12	2849	-652	-772
GA. Atlanta	0	-22	2697	-361	-174	NEV. Ely	138	-14	6894	-110	196	Midland	3	9	2183	-433	-360
Augusta	0	-11	2139	-393	-504	Las Vegas	6	-14	2304	-277	291	Beaumont	0	0	1341	-177	-113
Macon	0	-7	2047	-182	-10	Reno	105	-11	5653	-178	126	San Angelo	1	7	2032	-208	-333
Savannah	0	-7	1735	-214	198	Winnemucca	104	-22	5374	-665	660	San Antonio	0	0	1400	-170	-212
IDAHO. Boise	128	29	5504	82	226	N. H. Concord	83	-45	7277	-371	12	Victoria	0	0	995	-232	9
Lewiston	111	21	4774	-317	-127	N. J. Atlantic City	28	-49	4634	-127	-88	Waco	3	2	1640	-418	-704
Pocatello	122	0	6374	-137	-287	Trenton	22	-52	4192	-577	440	Wichita Falls	13	2	2312	-574	-707
ILL. Cairo	16	-9	3184	-597	-649	N. MEX. Albuquerque	58	7	4386	-180	-299	UTAH. Salt Lake C	87	9	5479	-121	242
Chicago	76	-12	5431	-711	-921	Roswell	7	-23	2778	-885	-878	VT. Burlington	78	-56	7024	-373	-237
Moline	86	-4	5335	-518	-713	N. Y. Albany	56	-52	6055	-480	-742	VA. Lynchburg	0	46	3718	-403	-522
Peoria	54	-24	6133	-389	-579	Binghamton	66	-57	6335	-477	-787	Norfolk	0	39	2827	-587	-365
Rockford	101	3	4734	-641	-682	Buffalo	81	-42	5906	-561	-348	Richmond	0	39	3032	-822	-897
Springfield	41	-25	4734	-641	-682	New York	36	-41	4167	-551	-451	Roanoke	0	52	3588	-587	-638
IND. Evansville	16	-30	3981	-521	-440	Rochester	71	-42	5823	-494	-543	WASH. Quillayute	146	19	4647	-491	-354
Fort Wayne	32	-59	5261	-652	-797	Syracuse	70	-41	5987	-300	-409	Seattle-Tacoma	117	12	4317	-319	-183
Indianapolis	22	-52	4816	-547	-635	N. C. Asheville	17	-35	3860	-233	-81	Spokane	153	35	6257	-31	-318
South Bend	48	-52	5137	-984	-674	Hatteras	0	-31	2160	-507	-217	Walla Walla	111	36	4309	-255	-119
IOWA. Burlington	79	1	5216	-699	-955	Charlotte	0	-22	2840	-334	-397	Yakima	136	40	5468	-145	93
Des Moines	74	-13	5340	-1107	-1121	Greensboro	0	-33	3156	-591	-405	W. VA. Beckley	15	65	4527	-777	-783
Debuque	116	15	6338	-580	-950	Raleigh	0	-30	2895	-556	-651	Charleston	2	50	3839	-597	-944
Sioux City	90	2	6036	-642	-880	Wilmington	0	-13	1908	-513	-341	Huntington	3	50	3795	-671	-627
KANS. Concordia	69	-1	4722	-685	-827	N. Dak. Bismarck	154	25	7612	-890	-1169	Parkersburg	4	55	4213	-441	-492
Dodge City	61	-1	4141	-733	-775	Fargo	140	5	8077	-680	-691	WIS. Green Bay	142	14	7221	-367	-532
Goodland	87	-8	4994	-796	-924	Williston	146	13	8227	-371	-350	LaCrosse	123	24	6613	-475	-729
Topeka	57	-1	4465	-613	-767	OHIO. Akron-Canton	38	-60	5165	-732	-514	Madison	116	1	6388	-900	-737
Wichita	49	2	4100	-463	-719	Cleveland	56	-43	5260	-554	-564	Milwaukee	113	-11	5965	-961	-897
KY. Lexington	15	-40	4212	-371	-316	Columbus	22	-60	4879	-585	-402	WYO. Casper	141	3	6716	-218	-680
Louisville	12	-40	3706	-798	-572	Cincinnati	11	-53	4443	-442	-542	Cheyenne	140	2	6414	-203	-603
LA. Baton Rouge	0	-1	1548	-122	90	Dayton	26	-53	4759	-655	-543	Lander	136	1	7194	-58	-242
Lake Charles	0	0	1401	97	62	Toledo	73	-25	5737	-317	-466	Sheridan	145	14	6689	-398	-865
New Orleans	0	0	1430	35	135	Youngstown	31	-72	5509	-554	-636						
Shreveport	0	-7	1780	-380	-478	OKLA. Okla City	26	-1	2980	-664	-774						
MAINE. Caribou	140	-38	9087	213	123												

* Based on 1941-70 Normals.

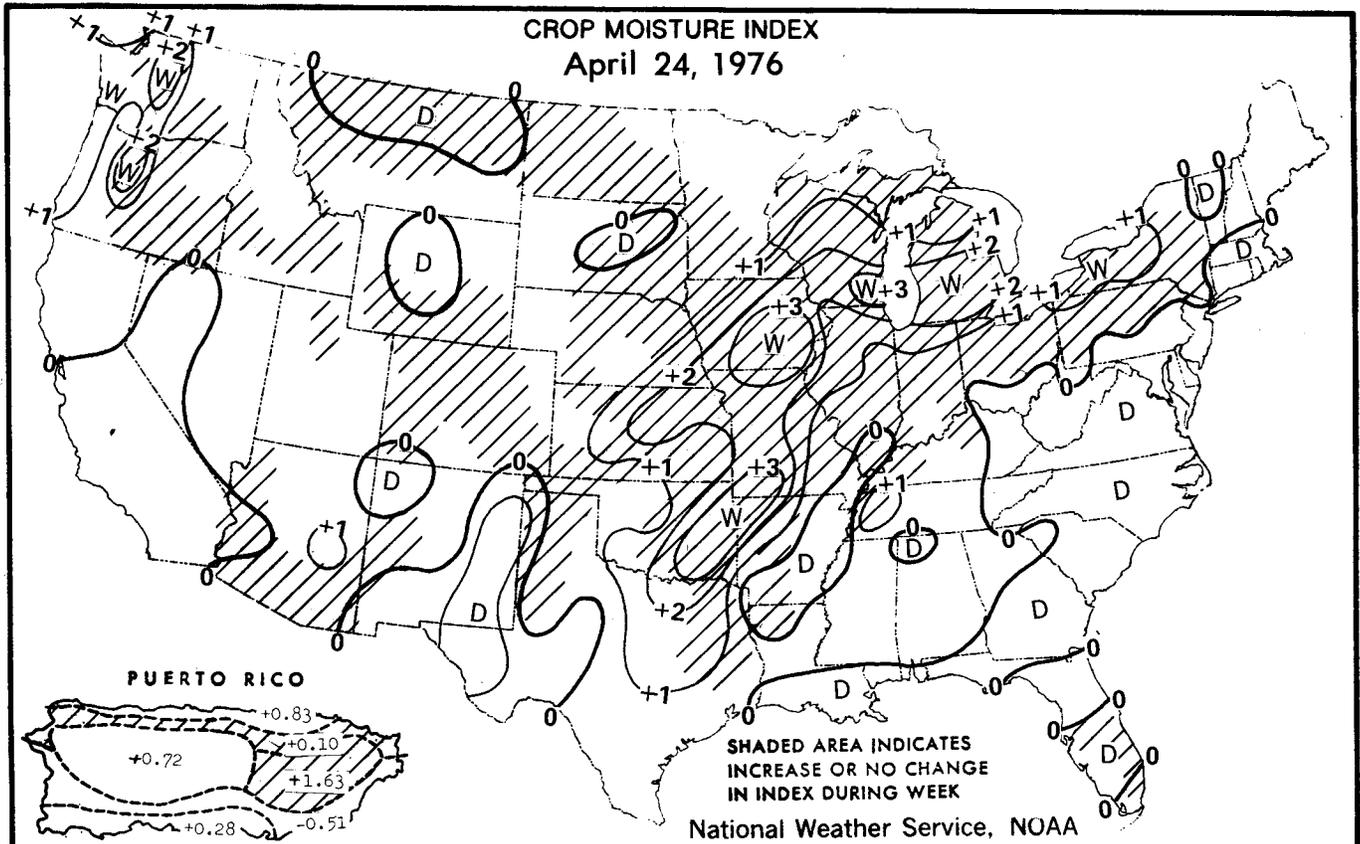
THIS WILL BE THE LAST TABLE THIS SEASON.



Heating Degree Days (Base 65°) For Week Ending April 18, 1976

States and Stations	Weekly		Seasonal Accumulation July 1, 1975			States and Stations	Weekly		Seasonal Accumulation July 1, 1975			States and Stations	Weekly		Seasonal Accumulation July 1, 1975		
	TOTAL	Departure*	TOTAL	Departure*	Departure From 1974-75		TOTAL	Departure*	TOTAL	Departure*	Departure From 1974-75		TOTAL	Departure*	TOTAL	Departure*	Departure From 1974-75
ALA. Birmingham . . .	10	15	2527	-273	-5	Portland . . .	126	-30	6709	71	151	Tulsa . . .	5	-35	3113	-501	-656
Mobile . . .	0	8	1393	-288	72	MD. Baltimore . . .	52	-27	3857	660	341	OREG. Astoria . . .	135	14	4328	-127	123
Montgomery . . .	0	16	2119	-128	162	MASS. Boston . . .	56	-59	4620	595	477	Burns . . .	192	46	6880	494	482
ARIZ. Flagstaff . . .	232	71	6158	-238	-370	MICH. Alpena . . .	61	-113	7178	480	251	Medford . . .	145	40	4390	42	52
Phoenix . . .	46	32	1089	-450	-460	Detroit . . .	56	-65	5583	396	625	Pendleton . . .	138	39	3336	-1472	-901
Tucson . . .	68	51	1453	-238	-702	Flint . . .	61	-72	5793	688	580	Portland . . .	128	26	3992	-256	144
Winslow . . .	134	52	4643	156	-410	Grand Rapids . . .	59	-70	5933	374	882	Salem . . .	148	40	4419	157	358
Yuma . . .	39	32	910	-92	-234	Houghton Lake . . .	58	-103	7069	539	440	PA. Allentown . . .	68	-38	4958	-516	-393
ARK. Fort Smith . . .	5	24	3064	-230	-504	Lansing . . .	55	-74	6049	349	489	Erie . . .	72	-69	5664	-567	-510
Little Rock . . .	14	17	2763	-541	-277	Marquette . . .	62	-111	7052	403	238	Harrisburg . . .	56	-30	4498	-487	-595
CALIF. Bakersfield . . .	56	22	2003	-120	-73	Muskegon . . .	66	-72	5657	657	685	Philadelphia . . .	54	-32	4053	-579	-350
Eureka . . .	130	23	4160	339	239	S. Ste. Marie . . .	93	-94	8079	141	287	Pittsburgh . . .	67	-37	5105	-459	-272
Fresno . . .	80	37	2933	397	170	MINN. Duluth . . .	103	-81	8662	145	528	Scranton . . .	70	-46	5251	-327	-305
Los Angeles . . .	70	23	1160	-405	-201	Internatl Falls . . .	96	-91	9435	213	89	R. I. Providence . . .	68	-56	5172	-628	-220
Red Bluff . . .	63	11	2750	202	-210	Minneapolis . . .	37	-105	6785	971	1020	S. C. Charleston . . .	23	11	1837	-292	95
San Diego . . .	46	12	996	-332	-248	Rochester . . .	42	-100	6758	904	1173	Columbia . . .	14	-3	2119	-453	176
San Francisco . . .	93	24	2929	323	123	St. Cloud . . .	55	-99	7952	294	667	Greenville . . .	23	-8	2920	-182	-260
Stockton . . .	90	39	2878	219	43	MISS. Jackson . . .	0	-16	2058	224	3	S. DAK. Aberdeen . . .	69	-76	7068	-956	-585
COLO. Denver . . .	104	19	5117	-395	-612	Meridian . . .	0	-17	2361	6	213	Huron . . .	73	-60	6935	-595	-628
Grand Junction . . .	113	17	5582	253	-50	MO. Columbia . . .	31	-40	4343	518	958	Rapid City . . .	94	-48	6111	-562	814
Pueblo . . .	97	3	4930	-166	-250	Kansas City . . .	12	-58	4401	550	967	Sioux Falls . . .	51	-80	6685	-652	-774
CONN. Bridgeport . . .	76	41	4635	-415	-312	St. Louis . . .	32	-29	4173	389	778	TENN. Chattanooga . . .	24	-12	3313	-100	-331
Hartford . . .	67	55	5349	-585	-423	Springfield . . .	21	42	3837	557	785	Knoxville . . .	29	-9	3340	48	44
DEL. Wilmington . . .	67	24	4177	-521	-399	MONT. Billings . . .	107	36	6118	481	845	Memphis . . .	5	-23	2526	-653	-341
D. C. Washington . . .	44	17	3283	-784	-410	Glasgow . . .	102	52	7417	846	398	Nashville . . .	26	-13	3005	-604	-386
FLA. Apalachicola . . .	0	7	1351	-9	338	Great Falls . . .	124	-26	6503	406	782	TEX. Abilene . . .	10	-13	2233	-345	-579
Daytona Beach . . .	1	2	851	-46	283	Helena . . .	153	-2	7042	328	643	Amarillo . . .	57	-6	3484	-530	-856
Ft. Myers . . .	0	0	397	60	251	Kalispell . . .	157	4	6984	649	560	Austin . . .	4	-5	1393	-340	-325
Jacksonville . . .	8	3	1390	63	224	Miles City . . .	93	45	6718	580	502	Brownsville . . .	0	0	518	-134	34
Key West . . .	0	0	57	5	50	Missoula . . .	138	9	6668	448	223	Corpus Christi . . .	0	0	740	-190	-122
Lakeland . . .	0	0	625	-53	255	NEBR. Grand Island . . .	35	-72	5538	519	969	Del Rio . . .	0	-1	1177	-346	-277
Miami . . .	0	0	202	4	143	Lincoln . . .	34	-62	5302	604	1127	El Paso . . .	53	34	2396	-266	-502
Orlando . . .	0	0	660	-44	273	Norfolk . . .	39	-76	5943	641	845	Fort Worth . . .	4	-15	1841	-526	-492
Tallahassee . . .	0	0	1594	34	52	North Platte . . .	86	-35	6528	251	138	Galveston . . .	0	-1	985	-239	51
Tampa . . .	0	0	668	-50	277	Omaha . . .	29	-61	5037	732	1212	Houston . . .	0	-3	1309	-125	23
W. Palm Beach . . .	0	0	306	7	194	Valentine . . .	85	-48	6383	389	482	Lubbock . . .	32	-11	2830	-640	-773
GA. Atlanta . . .	7	24	2697	-339	-157	NEV. Ely . . .	219	52	6756	96	164	Midland . . .	27	5	2180	-424	-353
Augusta . . .	13	6	2139	-382	-490	Las Vegas . . .	72	42	2298	263	276	Beaumont . . .	0	-7	1341	-177	-105
Macon . . .	0	11	2047	-175	-2	Reno . . .	172	43	5548	189	93	San Angelo . . .	11	-5	2031	-196	-326
Savannah . . .	14	1	1735	-207	204	Winnemucca . . .	171	31	5270	643	638	San Antonio . . .	4	-3	1400	-170	-209
IDAHO. Boise . . .	153	40	5376	53	208	N. H. Concord . . .	108	-39	7194	416	56	Victoria . . .	0	0	995	-232	9
Lewiston . . .	131	27	4663	-338	-135	N. J. Atlantic City . . .	78	-16	4606	78	33	Waco . . .	4	-7	1637	-416	-696
Pocatello . . .	163	25	6252	-137	-267	Trenton . . .	60	-30	4172	523	384	Wichita Falls . . .	2	-22	2299	-572	-706
ILL. Cairo . . .	20	19	3168	-588	-650	N. MEX. Albuquerque . . .	120	55	4328	173	298	UTAH. Salt Lake C . . .	130	18	5392	-112	259
Chicago . . .	35	70	5135	-617	-753	Roswell . . .	37	-5	2771	862	860	VT. Burlington . . .	85	-69	6945	-318	-168
Moline . . .	35	65	5345	-715	-914	N. Y. Albany . . .	75	-51	5999	428	670	VA. Lynchburg . . .	48	-11	3718	-357	-485
Peoria . . .	33	62	5281	-494	-687	Binghamton . . .	84	-57	6269	420	700	Norfolk . . .	49	-3	2827	-548	-333
Rockford . . .	48	69	6032	-392	-560	Buffalo . . .	81	-59	5825	519	298	Richmond . . .	51	0	3232	-583	-661
Springfield . . .	35	49	4693	-616	-662	New York . . .	48	-45	4131	510	407	Roanoke . . .	48	-17	3588	-535	-601
IND. Evansville . . .	33	26	3960	-496	-425	Rochester . . .	69	-63	5752	452	487	WASH. Quillayute . . .	175	39	4501	-510	-343
Fort Wayne . . .	23	86	5198	-624	-761	Syracuse . . .	79	-50	5917	259	353	Seattle-Tacoma . . .	153	38	4200	-331	-167
Indianapolis . . .	15	74	4762	-527	-617	N. C. Asheville . . .	49	-16	3843	198	52	Spokane . . .	169	36	6104	-66	-320
South Bend . . .	44	74	5089	-932	-615	Hatteras . . .	51	-8	2160	476	197	Walla Walla . . .	121	34	4198	-291	-135
IOWA. Burlington . . .	30	66	5137	-700	-955	Charlotte . . .	30	-2	2840	312	380	Yakima . . .	135	25	5332	-189	70
Des Moines . . .	29	78	5268	-1092	-1120	Greensboro . . .	31	-14	3156	558	379	W. VA. Beckley . . .	65	-28	4512	-706	-728
Decorah . . .	50	71	6222	-595	-945	Raleigh . . .	33	7	2895	526	622	Charleston . . .	57	-9	3832	-552	-894
Sioux City . . .	41	68	5946	-644	-887	Wilmington . . .	30	9	1908	500	333	Huntington . . .	55	-13	3792	-621	-585
KANS. Concordia . . .	37	50	4653	-684	-846	N. Dak. Bismarck . . .	108	-44	7458	915	1179	Parkersburg . . .	57	-17	4209	-386	-430
Dodge City . . .	37	41	4907	-732	-806	Fargo . . .	80	78	7937	685	673	WIS. Green Bay . . .	56	-92	7079	-381	-525
Goodland . . .	67	46	4907	-788	-936	Williston . . .	123	34	8081	384	356	LaCrosse . . .	42	-79	6490	-499	-728
Topeka . . .	24	51	4408	-612	-791	OHIO. Akron-Canton . . .	65	51	5127	672	447	Madison . . .	45	-92	6270	-901	-722
Wichita . . .	25	38	4035	-481	-750	Cleveland . . .	65	52	5209	506	499	Milwaukee . . .	49	-92	5852	-950	-843
KY. Lexington . . .	49	21	4197	-331	-285	Columbus . . .	68	30	4860	522	339	WYO. Casper . . .	134	-21	6575	-219	-703
Louisville . . .	39	26	3694	-759	-546	Cincinnati . . .	43	35	4332	489	592	Cheyenne . . .	139	-17	6274	-205	-615
LA. Baton Rouge . . .	0	7	1548	-121	92	Dayton . . .	58	38	4733	602	486	Lander . . .	146	-8	7058	-55	-244
Lake Charles . . .	0	4	1401	-97	68	Toledo . . .	64	52	5674	282	416	Sheridan . . .	119	-31	6544	-407	-882
New Orleans . . .	0	6	1430	-35	136	Youngstown . . .	60	60	5478	482	535						
Shreveport . . .	0	13	1780	-373	-471	OKLA. Okla. City . . .	15	-25	2950	667	782						
MAINE. Caribou . . .	204	4	8947	251	167												

* Based on 1941-70 Normals.



The Crop Moisture Index measures the degree to which moisture requirements of growing crops were met during the previous week. The index is computed from average weekly values of temperature and precipitation. These values are used to calculate the potential moisture demand. Taking into account the previous soil moisture condition and current rainfall, the actual moisture loss is determined.

If the potential moisture demand, or potential evapotranspiration, exceeds available moisture supplies, actual evapotranspiration is reduced and the CMI gives a negative

value. However, if moisture meets or exceeds demand the index is positive.

Shaded areas indicate the index was unchanged or increased from the previous week's value; soils dried in the unshaded areas. Centers of positive and negative areas are identified by W for wet and D for dry.

Local moisture conditions may vary because of differences in rainfall distribution or soil types. The type of agriculture and stage of crop development must be considered when assessing the impact of moisture conditions based on the Crop Moisture Index. Some general guidelines follow.

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

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

210

PLANTING PROGRESS

PERCENT OF ACREAGE PLANTED
As of April 25

corn

	Avg	1975	1976
Ga.	50	50	83
Ill.	3	6	24
Ind.	0	5	15
Iowa	3	1	6
Kans.	15	5	20
Ky.	13	NA	41
Mich.	0	0	5
Minn.	0	0	4
Mo.	21	13	43
Neb.	0	0	5
N. C.	40	45	70
Ohio	10	10	25
S. Dak.	0	0	1
Wis.	0	0	1
U. S.	8	11	17

These 14 States produced
89% of the Nation's corn in
in 1975.

cotton

	Avg	1975	1976
Ala.	32	27	54
Ark.	6	16	26
Ga.	24	16	58
La.	17	6	20
Miss.	19	6	35
Mo.	5	6	26
N. C.	23	16	28
Okla.	0	0	0
S. C.	32	23	53
Tenn.	12	11	40
Tex.	15	17	22
11-States	15	13	28

These 11 States produced 68%
of the Nation's cotton in 1975.