

# WEEKLY WEATHER AND CROP BULLETIN

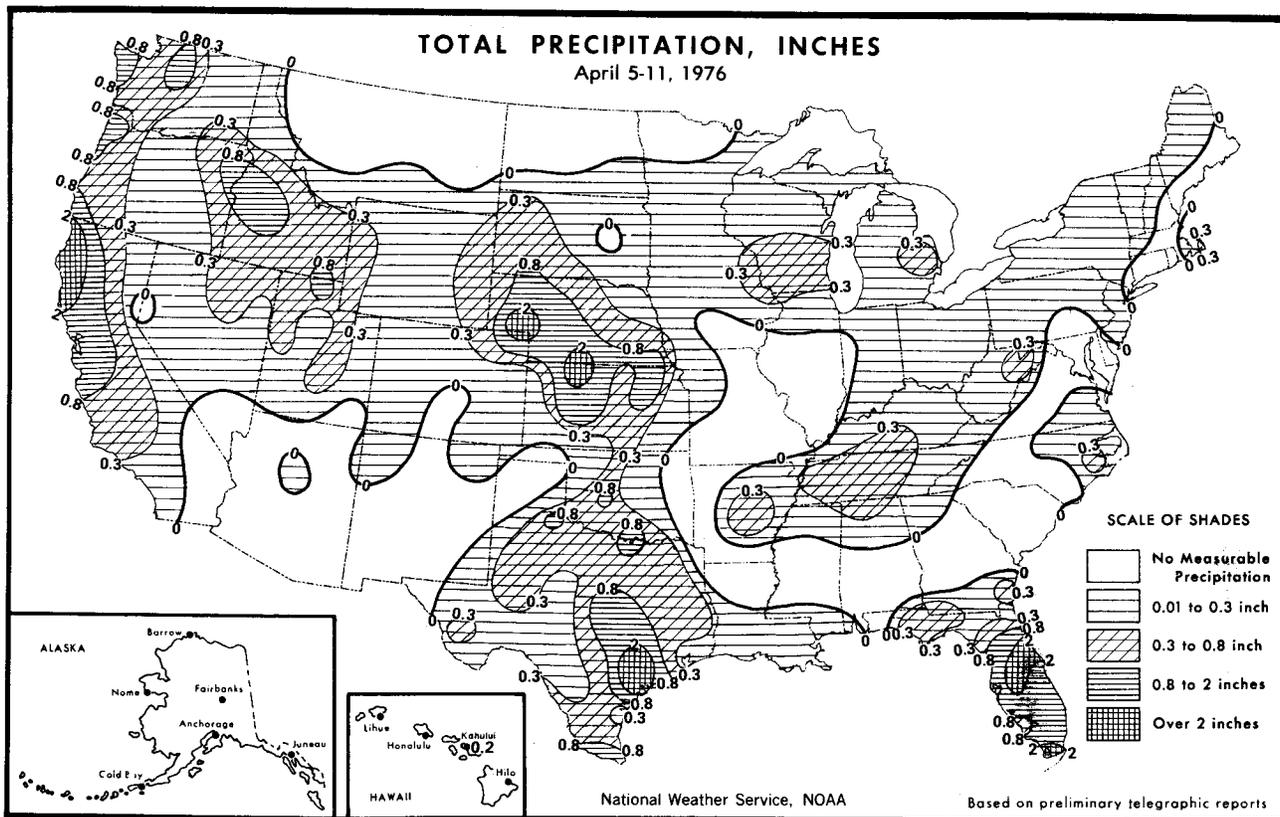
U.S. DEPARTMENT OF COMMERCE  
National Weather Service, NOAA

U.S. DEPARTMENT OF AGRICULTURE  
Statistical Reporting Service

Volume 63, No. 15

Washington, D.C.

April 13, 1976



## National Weather Summary

For the week of April 5-11

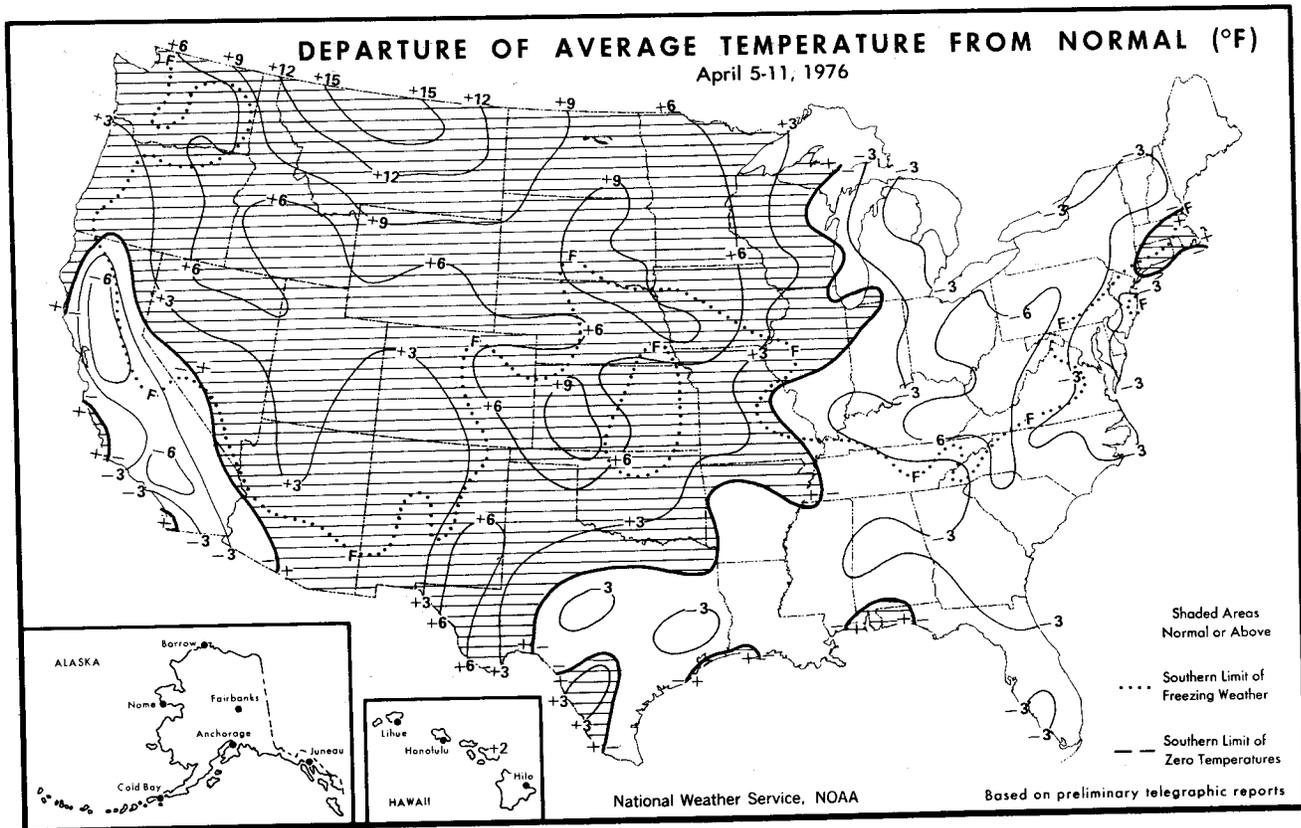
**HIGHLIGHTS:** Top billing for the week's weather goes to temperatures across much of eastern U.S. that averaged as low as 7° below normal, thanks to an end-of-the-week cold air blast. Centered over the Ohio Valley, an expansive high pressure system swept wintry air from the central Plains eastward, where temperatures plunged as much as 20° from earlier readings. Elsewhere seasonably warm readings prevailed, especially along the northern border States west of the Great Lakes. Welcome rains in the western U.S. eased drought-stricken sections of California, Texas, and the west central Plains.

Heavy weekend rains in central and southern Texas diminished to light, scattered activity on Monday. Showers and a few thundershowers turned up over parts of Colorado, New Mexico, and Utah and scattered snowfall drifted into sections of Nevada and Arizona.

Near or above normal temperatures dominated the Nation. Especially mild readings favored areas from the western Dakotas into interior Washington and Oregon, where in places the mercury even climbed into the 70's. Along the Pacific Coast and in the Northeast, thermometers registered mostly in the 50's. Elsewhere 60's and 70's prevailed with a few 80's along the Gulf Coast. Readings in the 30's pushed northern Maine to the top as the Nation's cool spot.

Typical early spring weather greeted the Plains and Rockies on Tuesday. Forecasters spotted rain and snow-capped peaks from the central Rockies into northern California and western Oregon.

Thundershowers in the Plains and southeast U.S. highlighted daytime precipitation patterns. A weak frontal system crossing the Plains touched off scattered afternoon thundershowers from western Kansas into South Dakota. Many showers and thundershowers persisted over Florida and the central



Gulf Coast region.

Midweek precipitation interrupted widespread fair weather across the Nation in the form of a band of showers and thundershowers from north central Texas southward into Mexico. Triggered by a stationary front, another area of scattered thundershowers traced the northeast Florida Coast.

Nearly a dozen tornadoes and widespread hail created severe weather conditions as vigorous storms thundered across portions of Texas in the afternoon and evening. One location measured hail 2 inches in diameter and up to 7 inches deep from a single storm. Northward, thunderstorms gunned across the Plains States into South Dakota. Rains picked up strength along the Pacific Coast and by evening penetrated western Washington and northern California.

As a trough of low pressure in the eastern Pacific joined forces with a cold front on Thursday, more light rain moistened the coast from Washington to southern California. Two other principal moisture areas: Drizzle and rain from the central High Plains southward and rainshowers in northern Florida.

Rains that occurred over most of California were welcome, especially in drought-stricken areas that at 3 p.m. claimed over an inch of rain in the last 24 hours.

Daytime thundershowers over Florida during the day gave rise to some severe weather in central areas, where tornadoes uprooted trees and winds gusted to 65 mph.

Centered over the Ohio Valley, Friday's high pressure system swept cold air into the lower Great Lakes and Ohio Valley. Amid fair morning skies the mercury dipped into the teens and twenties. During the day cool weather held its ground in eastern U.S., where afternoon temperatures halted in the 40's from the eastern Great Lakes

region across the northern and central Appalachians into New England.

At the same time the expansive high pressure system produced favorable spring weather from the Great Plains to the Atlantic Coast. Clear skies opened up from the central Plains into New England and south to Louisiana and Florida. Noontime readings in the 60's reached as far north as North Dakota.

Saturday's weather watchword in the Southeast--cold. Before sunrise frost crept as far south as north Georgia. Temperatures skidded into the 20's along eastern portions of the Great Lakes region as the Ohio Valley pressure system pulled more wintry air into eastern U.S. Record low honors went to Raleigh/Durham, N.C., 27° and Little Rock, Ark., 35°.

Showers and thundershowers continued in the upper Mississippi Valley and spread into portions of the central Plains and over southern Texas. Scattered rains drummed along the northern two-thirds of the Pacific Coast.

On Sunday the large high shifted into the upper Great Lakes. From the central Plains through the Ohio Valley, forecasters pinned the blame for the steadily declining temperatures on the complex system. Cooler air and lots of clouds dominated an area from western New England across the Ohio Valley into the Central Plains. In the central Plains temperatures slipped around 20° from previous readings into the 40's and 50's in Nebraska and Iowa.

By the end of the week cold air gripped much of the Nation east of the Continental Divide. A band of showers and thunderstorms marked the tail end of the chilly blast. Some activity grew into heavy thunderstorms in west central Texas, where 0.40 inch in Lubbock exceeded its previous rainfall total for so far this year.

## National Agricultural Summary

For the week of April 5-11

**HIGHLIGHTS:** Mild temperatures and light precipitation over the Nation continued to aid land preparation and growth of crops. Spring seeding of small grains is far ahead of normal. Winter wheat on irrigated fields made fair growth; however dryland wheat condition generally declined slightly. Planting of corn, cotton, rice, and tobacco in the Southern States was ahead of normal planting rates. Orchard work across the Nation varied as crop development ranged from bloom to fruit growth. Harvest of spring vegetables increased in the southern vegetable areas. Pastures are responding to the mild temperatures. Some general moisture is needed to help the new growth.

**SMALL GRAINS:** Spring seeding of small grains is far ahead of normal in Indiana, Illinois, Wisconsin, Minnesota, and Iowa. Missouri oats are 2 weeks ahead of normal.

South Dakota spring wheat is 68% seeded compared to 13% normal and oats are 61% seeded compared to 14% normal. Winter wheat conditions are poor to fair with army worms being reported.

Rain helped winter wheat in northern Kansas, but conditions remained poor in the southwest. Wheat is 20% jointed compared to 15% average.

Oklahoma received no significant rain and the condition of the small grains continued to decline. The winter wheat is 70% jointed, near normal. Irrigated winter wheat on the Texas High Plains had fair growth but dryland condition declined. Rain was beneficial to wheat in the Low Plains and southeastward.

Condition in the South Atlantic and Southern States is mostly good and ahead of normal development.

**OTHER CROPS:** Corn planting is just starting in Ohio, Illinois, and Iowa. Missouri planting, at 14%, is 1 week ahead of normal while Kansas planting is normal. South Carolina corn planting of 60% compares to 25% average while Georgia reports a record completion of 62%. Georgia average planting is 17%. Florida's early corn crop is fair to good and the State is 80% planted. Alabama and Mississippi are ahead of their normal schedule of corn planting. Louisiana planting of 55% compares to 35% last year. Corn seeding in Texas is making good progress across the State with 40% seeded.

Missouri's cotton crop, at 4% planted, is 1 week early. In South Carolina and Georgia the cotton crop is 10% ahead of average plantings. Alabama reports some early planting and Arkansas, at 4%, is normal. Texas's cotton planting made excellent progress from the Blacklands to East Texas. Good stands are reported in the southern half of the State due to rains. The State is 12% planted compared to 10% average.

In Texas, sorghum planting is making excellent progress from the Blacklands southward. About 49% of the crop is planted compared to 37% average.

The Mississippi rice crop is 20% planted and Arkansas, at 17% planted, is ahead of its 6% average. The Louisiana crop is slightly behind the average of 43%. In Texas, rice planting made excellent progress although rains caused some delays. The State is 67% seeded compared to 62% average.

Tobacco planting and transplanting are ahead of schedule. Ohio tobacco is slightly

ahead of normal. Maryland and Delaware beds are planted and in good condition. North Carolina beds are fair to good, and flue-cured tobacco is 8% transplanted. Its condition is mostly fair. The South Carolina tobacco crop is 71% planted compared to a 27% average. Georgia's tobacco is fair to mostly good and has a transplanted record of 89% versus a 69% average. Kentucky's tobacco beds are 95% seeded compared to an average of 89%.

In New Jersey potato planting is nearing completion. Ohio and Wisconsin plantings are on schedule. Potatoes are emerging in Virginia. Potatoes in North Carolina are fair to good. Washington Columbia Basin growers are seeding. In Oregon, potato plantings continue in Hermiston and the early seeded crop looks good.

**FRUITS AND NUTS:** Citrus tree condition in Florida improved as rain fell in all areas. Bloom was complete and trees were setting new fruit. In southern California bloom was underway in the citrus orchards. The Texas citrus harvest remained active during the week and in Arizona valencia orange harvest was increasing, but grapefruit harvest was slow.

Peaches were making good development in Texas, Florida, Georgia, and Arkansas, but in North Carolina the crop was in poor to good condition. All fruits in the Northwest were in various stages of bloom. Orchard spraying in Washington was tapering off, but pruning activities continued. Apples were in the cluster bud stage. Some raspberries were being planted and development of all bushberries was good in both Washington and Oregon.

**VEGETABLES:** Florida spring vegetable harvest increased in volume for crops such as cabbage, celery, carrots, cucumbers, and tomatoes. Other major crops were either holding steady in volume or declining slightly. Rains benefitted most crops, but some watermelon losses resulted from frosts in the north. Watermelons were in good condition in Georgia and planting and development of other truck crops in the South Atlantic States were progressing well.

Harvests of onions, carrots, and cabbage were slowed by rain in Texas' Lower Rio Grande Valley. Watermelons were making good growth in most areas, and planting was active in Central and East Texas. In the Winter Garden carrot harvest was underway and cantaloups were being planted. Tomato planting and crop development were good in all areas.

In California rains slowed vegetable harvest in the Coastal areas. Except for carrots and squash, vegetable harvest in the Desert Valley was over. Arizona's truck crop harvest was in full swing and cantaloups were growing well.

**PASTURES AND LIVESTOCK:** Pastures and ranges were greening in response to the mild temperatures. Pasture condition in the South Atlantic States was fair to good. Livestock and pasture conditions improved in the South Central States where conditions were generally fair. The North Central States need general moisture to start good pasture growth. Western ranges were beginning to green but some supplemental feeding was still necessary. Lambing and calving continued to make good progress with below normal losses.

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

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA.Birmingham . . .	58	-3	.2	-1.0	La.Baton Rouge . . .	66	-1	.1	-1.1	Youngstown . . .	40	-5	.1	-.7
ALA.Mobile . . .	68	+2	T	-1.4	Lake Charles . . .	67	0	T	-1.0	OKLA.Okla. City . . .	63	+5	T	-.7
ALA.Montgomery . . .	62	-1	0	-1.2	New Orleans . . .	66	-1	.1	-.9	Tulsa . . .	62	+4	0	-.9
ALASKA.Anchorage . . .	--	--	---	---	Shreveport . . .	64	0	0	-1.2	OREG.Astoria . . .	50	+3	.5	-.7
ALASKA.Barrow . . .	--	--	---	---	MAINE.Caribou . . .	31	-2	.1	-.5	Burns . . .	46	+4	.1	0
ALASKA.Fairbanks . . .	--	--	---	---	Portland . . .	39	-1	0	-.8	Medford . . .	50	+1	.4	+.2
ALASKA.Juneau . . .	--	--	---	---	MD.Baltimore . . .	49	-2	0	-.7	Pendleton . . .	56	+7	.5	+.3
ALASKA.Kodiak . . .	--	--	---	---	MASS.Boston . . .	47	+1	T	-.8	Portland . . .	52	+3	.8	+.2
ALASKA.Nome . . .	--	--	---	---	Chatham . . .	43	--	T	-.4	Salem . . .	50	+2	.6	0
ARIZ.Flagstaff . . .	43	+3	.2	-.2	MICH.Alpena . . .	37	0	T	-.6	PA.Allentown . . .	44	-3	T	-.8
ARIZ.Phoenix . . .	68	+2	0	-.1	Detroit . . .	43	-2	.1	-.6	Erie . . .	37	-5	.2	.6
ARIZ.Tucson . . .	64	+1	0	-.1	Flint . . .	40	-3	.6	-.6	Harrisburg . . .	46	-4	T	-.7
ARIZ.Winslow . . .	52	+1	T	-.1	Grand Rapids . . .	41	-3	.2	-.6	Philadelphia . . .	48	-2	.1	.7
ARIZ.Yuma . . .	66	-3	0	-.1	Houghton Lake . . .	38	-1	.1	-.5	Pittsburgh . . .	42	-6	.1	.7
ARK.Fort Smith . . .	60	0	T	-1.0	Lansing . . .	41	-3	.1	-.5	Scranton . . .	42	-4	.1	.6
ARK.Little Rock . . .	58	-1	.5	-.7	Marquette . . .	38	+1	.2	-.4	R.I.Providence . . .	45	0	T	-.9
CALIF.Bakersfield . . .	60	-1	.2	0	Muskegon . . .	40	-3	.2	-.5	S.C.Charleston . . .	59	-4	0	-.7
CALIF.Eureka . . .	51	+2	2.2	+1.4	S. Ste. Marie . . .	31	-4	.3	-.2	Columbia . . .	58	-4	T	-.9
CALIF.Fresno . . .	54	-4	.6	+.2	MINN.Duluth . . .	41	+5	T	-.6	Greenville . . .	53	-6	0	1.1
CALIF.Los Angeles . . .	55	-6	.1	-.3	Internatl Falls . . .	41	+6	0	-.4	S.D.Aberdeen . . .	51	+10	T	-.4
CALIF.Red Bluff . . .	51	-7	1.7	+1.2	Minneapolis . . .	50	+8	T	-.4	Huron . . .	50	+8	T	-.4
CALIF.San Diego . . .	61	+1	.1	-.1	Rochester . . .	47	+6	.3	-.2	Rapid City . . .	49	+8	.7	+.3
CALIF.San Francisco . . .	53	-2	.8	+.4	St. Cloud . . .	46	+7	T	-.5	Sioux Falls . . .	52	+9	.1	.4
CALIF.Stockton . . .	50	-7	1.1	+.7	MISS.Jackson . . .	62	-2	0	-1.1	TENN.Chattanooga . . .	56	-2	.1	-1.0
COLO.Denver . . .	51	+6	.1	-.3	Meridian . . .	60	-3	0	-1.3	Knoxville . . .	55	-3	.1	.8
COLO.Grand Junction . . .	51	+2	T	-.2	MO.Columbia . . .	53	+1	0	-.8	Memphis . . .	61	+1	.2	-1.1
COLO.Pueblo . . .	52	+3	T	-.3	Kansas City . . .	57	+5	.1	-.7	Nashville . . .	56	-2	.4	-.6
CONN.Bridgeport . . .	46	0	0	-.8	St. Louis . . .	52	-2	0	-.9	TEX.Abilene . . .	63	0	.3	-.2
CONN.Hartford . . .	46	+1	T	-.9	Springfield . . .	57	+3	T	-.9	Amarillo . . .	58	+4	0	-.2
D.C.Washington . . .	52	-2	0	-.7	MONT.Billings . . .	52	+10	.3	-.1	Austin . . .	65	-2	1.8	+1.1
FLA.Apalachicola . . .	65	-1	.1	-.8	Glasgow . . .	53	+14	0	-.1	Beaumont . . .	65	-2	.1	-.8
FLA.Daytona Beach . . .	66	-2	4.2	+3.6	Great Falls . . .	55	+15	T	-.2	Brownsville . . .	71	-2	1.1	+.9
FLA.Ft. Myers . . .	69	-3	.7	+.2	Havre . . .	56	+16	0	-.2	Corpus Christi . . .	70	-1	.1	-.3
FLA.Jacksonville . . .	62	-4	.3	-.5	Helena . . .	50	+10	T	-.2	Dallas . . .	--	--	---	---
FLA.Key West . . .	75	-2	4.3	+3.8	Kalispell . . .	52	+13	T	-.2	Del Rio . . .	69	-1	.3	0
FLA.Lakeland . . .	69	-2	2.5	+1.8	Miles City . . .	54	+12	0	-.3	El Paso . . .	64	+2	0	-.1
FLA.Miami . . .	74	0	1.4	+.7	Missoula . . .	52	+11	T	-.2	Fort Worth . . .	63	0	.5	-.4
FLA.Orlando . . .	69	-1	1.6	+.9	NEBR.Grand Island . . .	54	+7	.6	+.1	Galveston . . .	68	+1	.3	-.3
FLA.Tallahassee . . .	64	-2	.4	-.6	Lincoln . . .	55	+7	.6	0	Houston . . .	65	-3	.3	-.4
FLA.Tampa . . .	69	-2	1.5	+.9	Norfolk . . .	54	+9	T	-.4	Lubbock . . .	62	+4	.5	+.3
FLA.W.Palm Beach . . .	71	-2	1.2	+.4	N.Platte . . .	49	+4	1.2	+.8	Midland . . .	64	+2	.7	+.6
GA.Atlanta . . .	58	-1	T	-1.2	Omaha . . .	57	+10	.2	-.4	San Angelo . . .	62	-3	T	-.3
GA.Augusta . . .	58	-4	0	-.8	Valentine . . .	51	+9	.4	0	San Antonio . . .	71	+3	.5	0
GA.Macon . . .	61	-3	0	-.9	NEV.Ely . . .	42	+3	.2	0	Victoria . . .	68	-1	2.0	+1.5
GA.Savannah . . .	60	-4	0	-.7	Las Vegas . . .	62	+1	0	-.1	Waco . . .	64	-1	1.0	+.1
HAWAII.Hilo . . .	--	--	---	---	Reno . . .	45	0	T	-.1	Wichita Falls . . .	64	+2	.5	-.1
HAWAII.Honolulu . . .	--	--	---	---	Winnemucca . . .	49	+6	.3	+.2	UTAH.Blanding . . .	47	+2	0	-.2
HAWAII.Kahului . . .	75	+2	.2	-.2	N.H.Concord . . .	38	-3	T	-.7	Salt Lake City . . .	52	+5	.2	-.3
HAWAII.Lihue . . .	--	--	---	---	N.J.Atlantic City . . .	44	-5	.1	-.7	VT.Burlington . . .	37	-3	.1	.5
IDAHO.Boise . . .	53	+6	.8	+.5	Trenton . . .	47	-3	.1	-.7	VA.Lynchburg . . .	50	-4	0	-.6
IDAHO.Lewiston . . .	55	+7	.2	-.1	N.MEX.Albuquerque . . .	55	+2	0	-.1	Norfolk . . .	54	-2	.1	-.5
IDAHO.Pocatello . . .	47	+4	.5	+.3	Roswell . . .	63	+6	0	-.1	Richmond . . .	52	-3	T	-.6
ILL.Cairo . . .	57	-1	0	-1.0	N.Y.Albany . . .	42	-2	.1	-.5	Roanoke . . .	50	-4	0	-.6
ILL.Chicago . . .	47	0	.1	-.8	Binghamton . . .	38	-4	.1	-.6	WASH.Colville . . .	50	+6	.2	0
ILL.Moline . . .	49	+1	T	-.9	Buffalo . . .	38	-4	.3	-.4	Omak . . .	52	+6	T	-.2
ILL.Peoria . . .	50	+2	T	-1.0	New York . . .	49	0	T	-.8	Quillayute . . .	49	+4	1.1	-1.0
ILL.Rockford . . .	45	0	.2	-.7	Rochester . . .	40	-3	.1	-.5	Seattle-Tacoma . . .	51	+4	.4	-.2
ILL.Springfield . . .	51	+1	0	-1.0	Syracuse . . .	41	-3	.2	-.5	Spokane . . .	51	+7	T	-.3
IND.Evansville . . .	51	-3	.1	-.9	N.C.Asheville . . .	50	-4	T	-.9	Walla Walla . . .	56	+5	.5	+.3
IND.Ft. Wayne . . .	45	-1	T	-.8	Charlotte . . .	53	-6	0	-.9	Yakima . . .	51	+4	.2	+.1
IND.Indianapolis . . .	47	-3	.1	-.8	Greensboro . . .	54	-2	T	-.8	W.Va.Beckley . . .	43	-7	.1	.7
IND.South Bend . . .	46	+1	.2	-.7	Hatteras . . .	54	-3	.2	-.5	Charleston . . .	46	-7	.1	.7
IOWA.Burlington . . .	51	+3	0	-.9	Raleigh . . .	54	-3	T	-.7	Huntington . . .	48	-5	.2	.6
IOWA.Des Moines . . .	54	+8	T	-.6	Wilmington . . .	57	-4	T	-.7	Parkersburg . . .	45	-7	.1	.7
IOWA.Dubuque . . .	48	+4	.3	-.7	N.DAK.Bismarck . . .	47	+8	0	-.3	WIS.Green Bay . . .	40	-1	.2	.4
IOWA.Sioux City . . .	53	+7	.1	-.4	Fargo . . .	46	+7	.2	-.3	La Crosse . . .	47	+3	.1	.5
KANS.Concordia . . .	55	+5	.3	-.1	Williston . . .	49	+10	0	-.3	Madison . . .	45	+3	.5	-.1
KANS.Dodge City . . .	61	+10	.2	-.2	OHIO.Akron-Canton . . .	40	-6	.1	-.7	Milwaukee . . .	44	+2	.1	-.1
KANS.Goodland . . .	53	+7	.2	-.1	Cincinnati . . .	48	-3	.2	-.6	WYO.Casper . . .	45	+5	.2	-.1
KANS.Topeka . . .	56	+5	.3	-.5	Cleveland . . .	40	-6	.2	-.6	Cheyenne . . .	44	+4	.5	+.2
KANS.Wichita . . .	60	+6	.4	-.2	Columbus . . .	42	-7	.1	-.7	Lander . . .	46	+6	.2	-.3
N.Y.Lexington . . .	47	-6	.2	-.7	Dayton . . .	45	-4	.2	-.6	Sheridan . . .	50	+9	.1	-.4
N.Y.Louisville . . .	51	-2	.1	-.9	Toledo . . .	42	-4	.2	-.5	P.R.San Juan . . .	--	--	---	---

Publication of the Weekly Weather and Crop Bulletin began in 1872 as the Weekly Weather Chronicle. It is now issued under general authority of the Act of January 12, 1895 (44USC 213), 53d Cong., 3d Session. Contents of the Bulletin may be reprinted freely, with proper credit.  
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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:** Pleasant spring week. Temperatures near normal. Scattered frost on 10th. Rainfall light to moderate.

Generally 5 days suitable for fieldwork. Corn 23% planted, last year 17%, 5-year average 15%. Soil moisture mostly adequate. Few acres cotton and peanuts planted. Wheat good condition. Pastures improving rapidly. Livestock fair to good.

**ARIZONA:** Low humidity. Few light showers north. Temperatures 4° above to 5° below normal.

Planting, cultivating cotton active Yuma County. Some irrigation. Planting Graham, Pima Counties. Irrigation, fertilizer, insect control activities wheat, barley. Yuma County sugarbeet growth satisfactory. Diseases hindered growth some fields. Harvesting alfalfa underway. Lettuce seasonal volume central, western. Harvest mixed vegetables full swing. Cantaloups excellent growth. Grapefruit harvest slow. Harvest Valencia oranges increasing. Range conditions poor to fair below 4,000 ft., fair to good above. Water supplies generally adequate. Condition cattle, calves good. Fat lamb shipments active.

**ARKANSAS:** No rain and below normal temperatures except above normal 2 to 4° northwest. Extremes: 87 and 27°. Fieldwork advanced rapidly. Soil moisture adequate. Cotton planting 4% complete, 2% 1975, and average. Rice 17% planted, 5% 1975, 6% average. Early rice emerging. Soybean planting barely begun. Corn, sorghum planting underway. Small grains good to excellent condition and heading. Peach and apple prospects excellent. Peaches two weeks ahead of average. Pastures adequate.

**CALIFORNIA:** Periods of precipitation during week with heavier amounts end of week. Weekly totals ranged from over 3 in. some northwestern mountains to 1-2 in. Sacramento Valley, less than 1 in. San Joaquin Valley and Central and South Coasts and none in low southeast deserts. Continued cool with low mostly above freezing low valleys. Weekly averages near normal northwest and mostly 2-6° below other areas. Rains broke drought north half State. Dryland small grain some areas past recovery. Sugarbeet harvest continues. Cotton planting increasing San Joaquin Valley, first fields emerging. Corn planting still light. Normal field work: control sprays for blight. Mildew after recent rains. New crop citrus bloom underway, southern California. Almond set good to heavy. Rain slowed California vegetable activities primarily along coastal areas. Harvests reduced or stopped. Most Desert Valley harvests completed or near completion. Exceptions, carrots and squash. Effects of rain varied. Valley grasses already dried. Foothill, mountain areas benefit. Ranchers culling herds as feed dwindle. Supplemental feeding continues. Lambing, calving in northeastern counties. Stock water supplies fair to critically short.

**COLORADO:** Mild weather during week. Temperatures 4° above normal. Low temperatures in 20's and 30's with few in teens. High reported 83° at La Junta. Precipitation general, but average amounts light, ranging from 0.07 to 0.23 in. Snowfall from 6 to 12 in. occurred in most

mountain sections. First thundershowers and hail of year in southern mountains and over east. Winter wheat in very poor condition southeast, fair to poor rest of State. Spring barley 45% seeded, 13% 1975, average 30%; 10% emerged. Oats 45% planted, 22% 1975, average 39%; 15% up. Summer potato planting active. Livestock in good condition. Below normal death loss. Pastures and ranges in fair to poor condition.

**FLORIDA:** Stationary front central Florida, April 6-9, brought heavy rains to peninsula. Fair weather prevailed end of week. Temperatures averaged near normal. Rainfall averaged from .25 in. or less Panhandle to over 3.00 in. central peninsula. Soil moisture improved many areas but continues short in central and northern counties. Corn planting 80% complete. Peanut planting underway all areas. Early planted corn, peanuts fair to good condition. Sugarcane harvest practically complete. Peaches, nectarines good condition. Small grains headed. Grazing varies widely from very poor to good. Pastures greening up well where frequent shower activity. Some central, south areas continue suffer moisture shortage. Cattle, calves poor to excellent condition. Citrus tree condition improved. Rain all areas, irrigation stopped. Bloom complete, new fruit setting. Spring vegetable harvest picked up momentum. Total volume up 25%. Crops increasing were cabbage, celery, carrots, Chinese cabbage, cucumbers, eggplant, peppers, potatoes, radishes, squash, and tomatoes. Crops holding steady were snap beans, sweet corn, escarole-endive, and lettuce. Strawberry supplies declined. Steady to increasing supplies expected most crops week of 12th. Cucumbers, eggplant, squash near peak production. Rain generally beneficial. Locally heavy thunderstorms caused some damage. Substantial watermelon losses due to frost, dry weather north. First watermelon harvest expected April 17.

**GEORGIA:** Mostly fair weather. Temperatures near normal south, 8° above north. Some frost in the northeast. Little or no rain north about 0.10 in. south, 0.20 in. south central.

Soil moisture short to very short southeast, adequate elsewhere. Land preparation and planting extremely active, 5 days suitable. Tobacco fair to mostly good, transplanting most advanced of record; 89% complete, 1975 80%, average 69%. Corn fair to mostly good, completion highest of record; 62% planted, 1975 27%, average 17%. Cotton fair to good; 10% planted, 1975 2%, average 1.5%. Peanuts mostly good; 3% planted, 1975 1%, average 0.5%. A few fields of soybeans seeded. Small grains fair to mostly good, considerable acreage headed, growth good except for dry areas. Apples good. Peaches mostly good to excellent, spraying very active. Watermelons fair to mostly good; 81% planted, 1975 48%, some replanting. Pastures and cattle fair to mostly good. Hogs good.

**HAWAII:** Weather cool and wet. Winds stronger than normal bruised some crops. Snap beans quality will be slightly down.

Head and semi-head lettuce remain heavy. Mustard, cabbage production declining. All others light to moderate. Banana supplies light. Papaya light. Wet weather causing disease losses. Pineapple light. Sugar harvesting getting active. Pastures good condition.

IDAHO: Temperatures averaged above normal all stations for the week with afternoon readings reaching into the 70's at most lower valley stations around midweek. Precipitation was well below normal north and well above normal southern.

Planting and seed bed preparation active lower elevations. Planting progress slightly ahead of normal for all crops. Percent planting complete. Spring wheat and oats 12%, spring barley 10%, mixed grain 19%, sugar beets 28%, onions 78%, dry peas 18%. Winter wheat good progress. Calving and lambing normal. Losses light.

ILLINOIS: Temperatures normal north; 0-4° above normal west and southwest; 1-3° below normal south; 9th week State above normal. Precipitation: 0.0-0.33 in., heaviest northwest. Oats 95% seeded, 32% 1975, average 40%. Corn and soybean acreage 90% plowed, 68% 1975, average 57%. Some corn planted. Winter wheat 30% excellent, 65% good, 4% fair, 1% poor. Alfalfa 14% excellent, 76% good, 10% fair. Pastures mostly good, supplying 47% livestock roughage requirements. Livestock mostly good condition. Soil moisture 22% short, 22% adequate, 1% surplus. Fieldwork: 6.0 days suitable.

INDIANA: Sunny and warm touching 70's than freezing over weekend. Temperatures declined to 20's over State. Very little precipitation last 2 weeks. Topsoil and subsoil short to mostly adequate.

Corn and soybean land 70% plowed, 55% 1975, 40% average. Oats 75% seeded, 35% 1975, 20% average. Winter wheat 7 in. high, 4 in. 1975 and average. Pastures fair to good. Peaches in full bloom April 4, apples April 14.

IOWA: Mild temperatures past week, 3-5° above normal. High 79° on 6th, low 24° on 12th. Precipitation much below normal. Greatest amounts reported 0.50 in. northeast Saturday night. Rapid fieldwork progress due to warm, dry weather. Fieldwork well underway in all areas. Main activities seedbed preparation, herbicide application. Fertilizing 65% complete. Isolated reports of corn planting on small plots. Corn planting should become common next week. Plowing 85% complete, 60% last year, 5-year average 53%. Plowing well advanced all districts. Oats seeding 91% complete, just underway last year, 5-year average 30%. Winter wheat condition fair to good. A few reports of winter wheat plowed under due to winterkill. Pasture fair to good. Little growth due to dryness. Moisture supplies lowered. Topsoil moisture 27% short, 73% adequate. Some concern about subsoil moisture. Days suitable 6.5 days.

KANSAS: Precipitation northwest and north central 1.00 to 2.00 in. Southwest 1.00 in. or greater. Moisture east and south generally light. Temperatures averaged from 56° northwest and north central, 61° south, 8 to 12° above normal. Rains benefited wheat in northern third, condition very poor southwest. Wheat 20% jointed, 5% 1975, 15% average. Greenbugs, brown wheat mites, army cutworms, alfalfa weevil reported across State. Corn 5% planted, 0% 1975, 5% average. Oats 95% planted, 35% 1975, 75% average. Barley 90% planted, 45% 1975, 70% average.

KENTUCKY: Fair weather prevailed until 11th when showers covered State. Temperatures averaged in 40's and 50's, low temperature 21, high 76. Precipitation ranged from a trace to 0.25 in.

Weather ideal for spring farmwork. Soil moisture mostly adequate for groundwork--although dry in north. Plowing 75% complete, 64% last week, average 48%. Tobacco plant beds 95% seeded, 87% last week, 89% average. Wheat averaged 11 in. in height, barley 10 in., oats 9 in. Pasture condition 96%, 94% last week, 89% average.

LOUISIANA: Temperatures near normal. Extremes: 85 to 39°. Scattered showers southwest 5th. Heaviest 1-day rainfall 0.66 in. 5th. Land preparation good progress. Soil moisture adequate. Days suitable for fieldwork 5.5. Rice 37% planted, 46% last year, 43% average. Corn 55% planted, 35% last year. Sugarcane fertilization, cultivation, herbicide application active; growth fair to good. Strawberry harvest full swing; size and quality good. Small grains good. Pastures average. Cattle fair to good.

MARYLAND & DELAWARE: Temperatures normal to slightly below normal. Extremes: 17-70°. Precipitation ranged 0.12 to 0.80 in.

Plowing for corn 60% complete. Planting expected to start next week. Small grains good condition. Tobacco beds planted, and good condition. Many stripping and grading tobacco in preparation of marketing. Orchardists pruning and spraying. No serious frost damage. Peaches in full bloom, apples this week. Soil moisture supplies adequate.

MICHIGAN: Temperatures slightly below normal, 2 to 5° over State, with exception of extreme northwest with temperatures normal to slightly above normal. Generally cool beginning of week with marked warming toward end of week. Precipitation averaged 0.15 in. over State. Highest precipitation recorded along Lake Michigan. Some fields are plowed in the drier areas of State. Farm activity limited mostly to pruning fruit trees, feeding livestock, and farm chores.

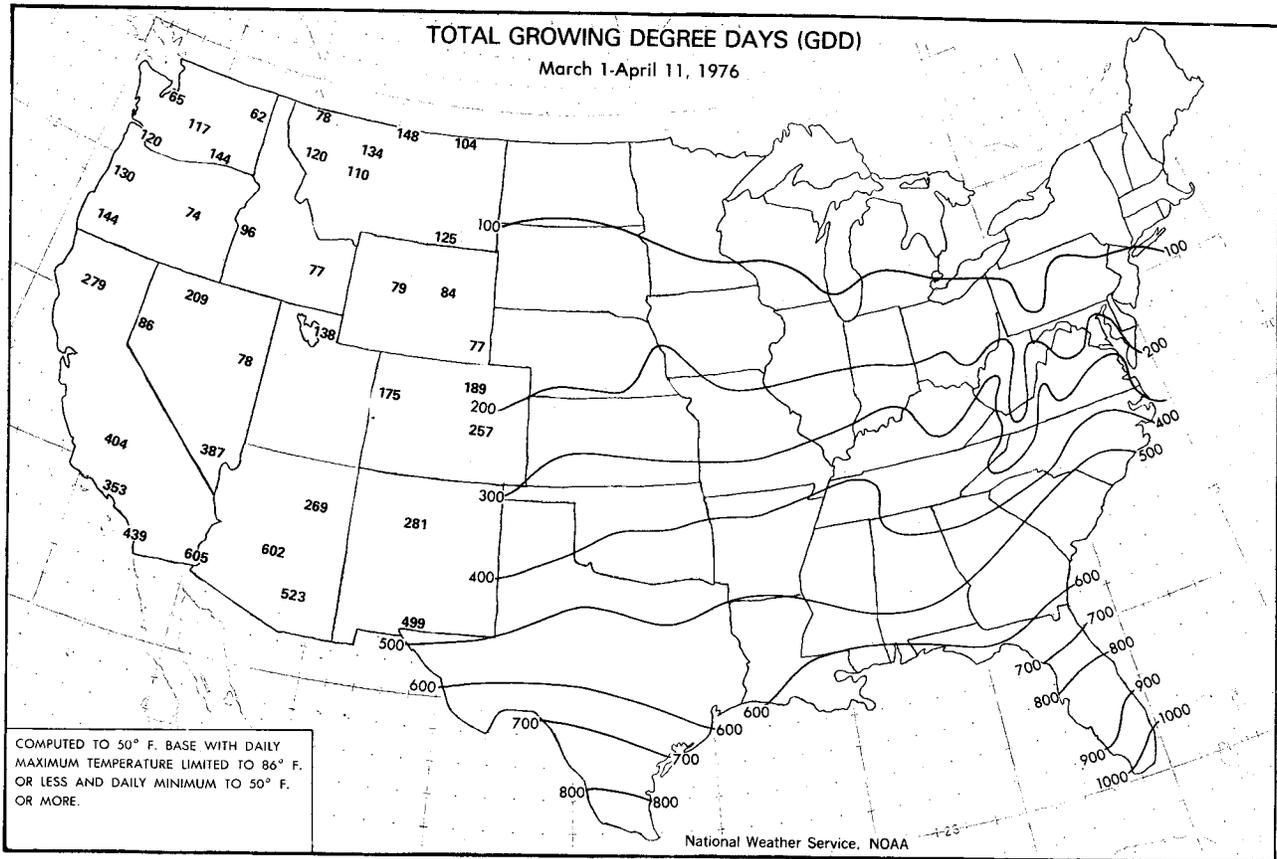
MINNESOTA: Temperatures 6° above normal northeast, 9° above normal southwest. Extremes: 76 and 18°. Precipitation 0.35 to 0.50 in. subnormal. Central and southeast averaged only 0.10 in. with traces elsewhere. Southwest quarter of State remains very dry. Small grain seeding rapid progress west central, southwest. Beginning other areas. Planting progress: spring wheat 19%, normal 5%, oats 23%, normal 4%, barley 7%, normal 2%; none seeded 1975. Some corn fields worked, none planted. Topsoil moisture short west central, southwest; mostly adequate elsewhere. Rain needed for pasture, hay, winter wheat, rye growth.

MISSISSIPPI: Temperatures near normal. Extremes 85 and 35°. Greatest 24-hour rainfall 0.18 in. at Biloxi on the 6th.

Soil moisture adequate. Fieldwork: 5.3 days suitable. Rice 20% planted. Corn 33% planted, 19% 1975; 15% average; 11% up to stand. Winter wheat 86% jointed, 71% 1975; 26% headed. Oats 85% jointed, 72% 1975; 25% headed. Plowing 59% completed. All crops in fair to good condition. Livestock in fair condition.

MISSOURI: Temperatures 2° below normal East Ozarks 1 to 7° above normal elsewhere. Virtually no precipitation was reported.

Fieldwork: 6.6 days suitable. Plowing 86% complete, 3 weeks ahead of normal. Oats 96% sown, 2 weeks ahead of normal. Corn 14% planted, one week ahead of normal. Cotton 4% planted in Boot-



heel, one week ahead of normal. Wheat condition good. Pastures fair. Soil moisture, adequate 53% short 47%.

**MONTANA:** Temperatures unseasonably warm, averaging 9-16° above normal. Precipitation below normal. Showers Friday with most measurable amounts southwest and south central divisions. Spring seeding underway--one week ahead of normal. Spring wheat and oats about 10% planted, barley 15% done. Winter wheat condition fair to good. Topsoil moisture short to adequate. Subsoil moisture adequate. Field tillage starting statewide. Southern areas well underway. Ranges starting to green. Calving and lambing losses below normal. Calving, lambing, shearing, near 60% complete.

**NEBRASKA:** Precipitation general throughout State early in week. Heaviest over west and south central, lighter east. Temperatures 8° above normal. 4.5 days suitable for fieldwork. Soil moisture improved. Winter wheat condition rated poor 28% of counties, 60% fair and 12% good. Alfalfa and wild hay in fair condition. Some alfalfa fields report army cutworm. Spring alfalfa seeding continues. Oats 60% planted, less than 10% 1975. Barley 65% planted, less than 5% 1975. Pasture and range feed supplies generally short. Pastures are greening up but too early for much feed. Calving moving well.

**NEVADA:** Unsettled, showery weather common north and central. Precipitation near normal west and extreme south, above normal northeast and south central. Average temperatures near to slightly above normal north and central, slightly below extreme south. Extremes: 15 to

83°. Seedbed preparation delayed another week. Pasture and range grass growth also limited.

**NEW ENGLAND:** Nighttime lows below normal; daytime highs above normal. Precipitation 0.33 in. Cape Cod April 9th. Snow flurries north mountains 5th and 6th; showers south 7th and 8th. Fire potential high southern New England. Maple sap collection continues but is ending.

**NEW JERSEY:** Cold dry week. Temperatures as much as 10° below normal. Extremes: 21 at Charlotteburg and Newton on the 12th and 6° at Long Valley on 11th. Weekly rainfall averaged trace north, 0.04 in. central, 0.06 in. south. Heaviest 24 hr total 0.10 in. at Hammonton on 9th. Estimated soil moisture in percent of field capacity: 94 north, 92 central and 91 south. Four inch soil temperature 12th averaged: 41° north, and 47° south.

Strong winds and cold temperatures on the 11th and 12th could result in some crop losses. Soil moisture adequate. Potato planting nearing completion. Peaches in full bloom. Blueberry bloom beginning. Small grains in good condition.

**NEW MEXICO:** Widely scattered light showers northern mountains and northeast early week. Rainfall near 0.25 in. or less. Soil moisture short, ranges poor-fair, livestock fair, shearing, lambing, calves well advanced. Dryland wheat poor, irrigated wheat 50% jointing and fair eastern areas but good elsewhere. Durum good. Lettuce, onions good.

**NEW YORK:** Temperatures averaged 4° below normal. Precipitation most areas less than 0.10 in. Temperatures moderated early in week, colder mid-week, moderated 10th and sharply colder 11th. Significant precipitation limited to 10th and

11th. Rain showers ahead of cold front changed to light snow or flurries. Extremes: 64° Chemung, 6° Newcomb.

**NORTH CAROLINA:** Temperatures slightly below normal. Rainfall spotty and light. Days suitable fieldwork: 5.2. Land preparation active. Soil moisture short to mostly adequate. Small grains mostly good. Tobacco plant beds fair to good. Flue-cured 8% transplanted, mostly fair. Irish potatoes, truck crops, pasture fair to mostly good. Peaches poor to mostly good. Corn 25% planted.

**NORTH DAKOTA:** Temperatures 9 to 13° above normal. Extremes: 71 to 20°. Precipitation below normal all areas. Weekend brought average temperatures, no precipitation. Major fieldwork rock picking, some seeding southern counties. Calving and lambing full swing.

**OHIO:** Below freezing 5 days with near record lows 9th and 11th. Temperatures 5° below normal for week. Extremes: 71° southwest, 8th; 20° northwest, 9th. Precipitation light, ranging up to 0.35 in.

Plowing 85% done, 70% 1975 and 60% normal. 3 weeks ahead of normal. Tobacco 55% sown, 70% 1975 and 50% normal. Planting completed: Oats, 55%, 35% 1975 and 25% normal; potatoes 10%, equal to 1975 and normal; sugarbeets 25%, 15% 1975 and 15% normal; and corn started which is normal.

Wheat condition northwest remains poor to fair; good elsewhere. Heaving damage possible due to cold nights and dry weather. Soil moisture supplies: 12% short, 82% adequate, and 6% surplus. Cver 6 days favorable for fieldwork.

**OKLAHOMA:** Temperatures averaged from 1 to 5° above normal. Precipitation averaged from none northeast to 0.40 in. south central. Weekend warm with few showers. Another week with no significant rain in most wheat areas. Small percent of the crop heading southwest. Heading two weeks ahead of year ago, and one week earlier than average. 70% of crop jointing, near normal for date. Oats and barley showed some lower condition, with few fields heading. Corn planting started in Panhandle, some sorghums planted south and eastern areas. Planting conditions decline as topsoils dry. Topsoil moisture short 70% of State. Weevil infestations heavy in alfalfa. Ranges making slow growth. Cattle condition down slightly.

**OREGON:** Temperatures ranged up to 5° above average. Extremes: 70's, 30's west; 70's, 20's east. Precipitation along coast ranged 0.30 to 1.28 in., 0.28 to 0.61 in. Willamette Valley, 0.07 in. to 0.94 in. east. Winter wheat fair to good condition, some reseeding necessary. Spring land preparation, seeding continuing. Fertilizing, cultivating, weed spraying continuing. Summer-fallow progressing. Peaches in full bloom, cherries nearing bloom. Prunes expected to bloom next week. Filberts leafing up. Caneberries look good. Cultivating strawberries. Cranberry growth 2 to 3 weeks behind normal. Planting salad crops, onions, peas, beets. Preliminary field work beginning for row crops. Rhubarb harvest beginning. Potato planting continuing, Hermiston area. Early seeded potatoes look good. Ranges, pastures improving. Most livestock going on grass, feed supplies limited. Calving continuing.

**PENNSYLVANIA:** Cool dry week. Daily maxima 40's

to 60's. Overnight minima teens to 30's. Extremes: 70 and 12°. Weekly temperatures near normal south-east ranging to 6° below normal north central. Few showers, snow flurries mostly Sunday. Weekly precipitation traces south central and under 0.25 in. elsewhere.

Fieldwork included hauling manure, topdressing, plowing and discing.

**PUERTO RICO:** Very dry week. Island average rainfall 0.03 in., 0.83 in. below normal. Highest weekly total 1.07 in. Temperatures averaged 76° on coasts and 70° interior divisions. Extremes: 92 and 49°. Sugarcane harvest active under favorable weather. Coffee trees blooming. Rains needed. Good weather for tobacco harvesting and drying in the shed. Pastures affected by lack of rain. Rains needed badly food crop zones. Soil preparation for planting in progress.

**SOUTH CAROLINA:** Temperatures ranged from near normal early week to below normal end of week. Temperatures morning of 10th 8 to 10° below normal. Frost over much of northern, western part of State. Practically rainless.

Planting, land preparation major activities. Corn planted 66%, 1976; 30%, 1975; 23%, five-year average. Cotton planted 16%, 1976; less than 5%, 1975 and five-year average. Tobacco planted 71%, 1976; 21%, 1975; 27%, five-year average. Soil moisture short to very short. Northwest adequate.

**SOUTH DAKOTA:** Temperatures 6 to 12° above normal. Extremes: 82° and 16°. Precipitation 0.10 to 0.50 in. Most areas, 0.50 to 1.00 in. Black Hills.

Fieldwork advancing 2 to 3 weeks ahead of normal due to warm dry weather. Spring plowing 36% complete, 1975 1%, normal 8%. Spring wheat 68% seeded, 1975 2%, normal 13%. Oats 61% seeded, 1975 1%, 14% normal. Barley 54% seeded, 0% 1975, 10% normal. Blowing soil may cause some small grains to be reseeded. Winter wheat ranges from poor to good, army cutworm infestations reported in major growing area. Rye ranges from fair to good. All crops need moisture. Livestock remain in good condition. Few diseases. Calf and lamb losses below normal due to ideal weather. Sheep shearing in full swing. Pasture growth slow but feed supplies still generally adequate.

**TENNESSEE:** Cold front moved across State early Sunday night. Fair skies prevailed during the week. Rainfall averaged less than 0.50 in. Temp. 1 to 5° above normal. Cool dry windy weather dried wet soils enabling fieldwork to get back into full swing. Plowing, discing, fertilizing, tobacco bed seeding, corn and cotton planting main activities. Five days suitable for fieldwork. Pastures supporting cattle. Most farm activities and crop development are 2-3 weeks ahead of normal due to early spring. Many lowlands remain wet delaying soil preparation.

**TEXAS:** Temperatures little above normal over Texas. Precipitation, widespread and variable. Panhandle, temperatures 5° above normal, elsewhere 1-2° above normal. Precipitation every day but extremely variable. Central Texas, South Plains, precipitation normal. Heaviest amounts observed South Central, 1.0 in. Northeast Texas, Far West Texas, northern Panhandle, little or no precipitation. Wheat, oats satisfactory progress where adequate moisture available. High Plains, irrigated stands making satisfactory progress. Planting cotton, corn, sorghum, rice and peanuts making excellent progress. Good planting moisture available Low Plains southward crops. Wheat continues fair growth High

Low Plains where irrigation available. Dryland wheat continues decline. Rains Low Plains southward boosted prospects many localities. Corn seeding making excellent progress High Plains to Lower Rio Grande Valley. Stands making good growth following recent rains most areas. Planting; 48% completion; 52% last year, 3-yr. average 47%. Cotton: planting making excellent progress Blacklands East Texas. Good growth noted stands Coastal Bend, South, South-central Texas, Lower Rio Grande Valley following beneficial rains. Planting, State 12% completion, 11% 1975, 3-yr. average 10%. Sorghum: planting making excellent progress from Blacklands southward. Planting; 49% completion, 36% 1975, 3-yr. average 37%. Rice: seeding making excellent progress South-central Texas, Upper Gulf Coast though rains caused some delay. Seeding State: 67% completion, 73% last year, 3-yr. average 62%.

Commercial vegetables: Lower Rio Grande Valley: Harvest of onions, carrots and cabbage slowed by recent rains. Melon crop developing rapidly. Mildew control programs started on early fields. Coastal Bend: most dryland watermelons showing quick recovery result of recent rains. Cucumbers and watermelons vining, blooming and setting fruit throughout area. San Antonio-Winter Garden: potatoes maturing rapidly with harvest expected to begin next week on reds. Watermelons and other vegetables making good growth. Carrots being harvested. Cantaloups planted. Central Texas: tomatoes making good growth. Tomato and watermelon planting remains active. East Texas: watermelon and tomato planting remain active. Sweetpotatoes have been bedded. North Texas: Irish potatoes showing good growth. Field setting of tomato remains active. Knox-Haskell: Irish potatoes showing good growth. Trans-Pecos: onions continue satisfactory progress. High Plains: onion and potato planting rapidly nearing completion. Peaches continue to make good development. Citrus harvest remains active.

Range and Livestock: Good rains except High Plains Trans-Pecos boosted grazing pasture conditions. Stock water still short Cross-Timbers, Low Plains, Edwards Plateau. Feeding still necessary to maintain livestock condition many areas until new growth. Warmer weather resulted more confirmed screwworm cases South Texas, Lower Rio Grande Valley.

UTAH: Recurring periods precipitation most sections. Accumulation generally light south and east but moderate to locally heavy along Wasatch Front and in a portion of Northern mountains. Average temperatures generally near normal but ranging 4 to 6° above normal.

Weather conditions generally favorable for fieldwork with exception of muddy areas in Northern Utah. Winter wheat appears fair to good; spring wheat and barley 50% planted; oats 40% planted. Sugarbeets just starting and some early vegetables. Fruit prospects appear favorable to date. Calving 60% completed, farm lambing 75% completed, range lambing just getting underway.

VIRGINIA: Brisk wind, seasonal cool temperature. Extremes: 83 and 23°. Rainfall light. Average 0.10 in. Fieldwork: 5.0 days suitable. Topsoil

moisture 77% adequate, 19% short, 4% surplus. Corn planting progress 8%; 1975 2%; average 1%. Tobacco planting beds excellent. Some small grains beginning to head out. Potatoes emerging. Some planting of snap beans and cucumbers. Pastures overseeded and fertilized. Plowing, fertilizing, liming and herbicide applications continue in preparation for spring planting.

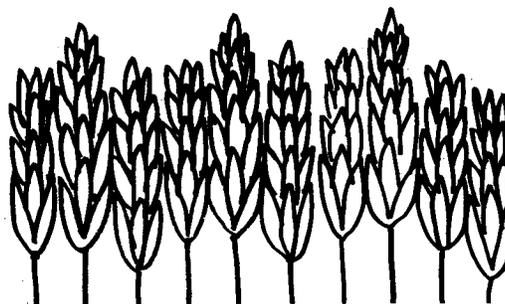
WASHINGTON: West: Temperatures at or slightly above normal. Precipitation averaged much below normal. Pastures growing well but many too short to provide feed. Harvesting forced rhubarb. Planting early vegetables, rhubarb, raspberries, strawberries. Older raspberries and strawberries making new growth. Picking daffodils. Cattle in good shape. Green chopping underway.

East: Temperatures near normal to 2 to 5° above normal. Precipitation near normal to much below normal. Apricots in full bloom. Peaches, pears, cherries, prunes beginning to bloom. Orchard spraying tapering off. Other activities in fruit areas, pruning and renewal. Apples moved into cluster bud stage. Irrigation widespread in Columbia Basin. Basin growers seeding potatoes, spring wheat, alfalfa, pasture, sugarbeets, stringing hops, spraying, fertilizing, preparing summerfallow. Most of fall seeded wheat looking good. Grass growing but behind normal.

WEST VIRGINIA: Good week farm work, 4.6 days. Moisture adequate except for few areas. Activities: Plowing, fencing, gardening. Crops good condition, except fruit poor due frost and freeze. Weekly temperatures below normal, ranging 14° to 73°. Pastures greening, livestock good condition.

WISCONSIN: Sunny, mild days, cold nights most of week. Canadian cold front 10th brought cooler temperatures. Produced only substantial rainfall of period. High temperatures 50's and 60's except 40's near Lake Michigan. Overnight lows 20's and 30's. Temperatures on 10th were lower 70's south but 40's northeast behind cold front. Much colder 11th with upper 30's to lower 50's with strong northerly winds. Evening temperatures 11th in low teens and 20's. Rainfall for week averaged less than 0.50 in. north and west, 0.50 in. east and south. Early start on field work. Oats 15% planted, mostly in south where some farmers finished, 1975 none, normal 3%. Spring plowing 10% done, 1975 none, normal 2%. Some early potatoes and peas planted central and south. North and east starting field work on lighter soils. Feed and bedding supplies adequate, some hay shortages. New alfalfa seedings and winter grains appear good. Maple sap run good. Soil moisture 10% short, 80% adequate, 10% surplus.

WYOMING: Temperatures above seasonal. Precipitation averaged below normal, except Lower Plate Valley. Major Activities: Calving, lambing, seedbed preparations and seeding. Moisture aided winter wheat and rangeland. Spring wheat and barley planting 1 week ahead five year average. Spring wheat 28% seeded, oats 17%, barley 41%, sugar beets 5%. Moisture adequate or short most areas. Calving 52% completed. Ewes lambed: Farm flocks 68%, range 21%. Sheep shorn: Farm flocks 63%, range 28%.



### Winter Wheat Prospects Tumble

Prospects for the 1976 winter wheat crop from the five major southern and central Great Plains producing States tumbled 8% between December and April, according to the Department of Agriculture's Crop Reporting Board.

The latest accounting of the crop from Kansas, Colorado, Texas, Oklahoma, and New Mexico is for a harvest this summer of 522 million bushels, and that would be 48 million bushels short of the estimate made in December. Compared with the 1975 crop taken from the fields in those States, this season's effort, if it continues at the present level, would be off 26% or 182 million bushels.

The downturn over the winter reflects the dry and blowing conditions faced by the wheat crop. For example, in Kansas, the Nation's leading wheat State, prospects for the crop varied greatly. In the western two-thirds of the State, growth has been below normal because of the lack of subsoil and topsoil moisture. Kansas farmers expect to harvest 11 million acres of wheat this year, down 1.1 million from a year earlier. Yields point toward 26 bushels per acre, against last year's 29. In December, the Kansas crop was forecast for 327.5 million bushels; now, the view is for 286 million.

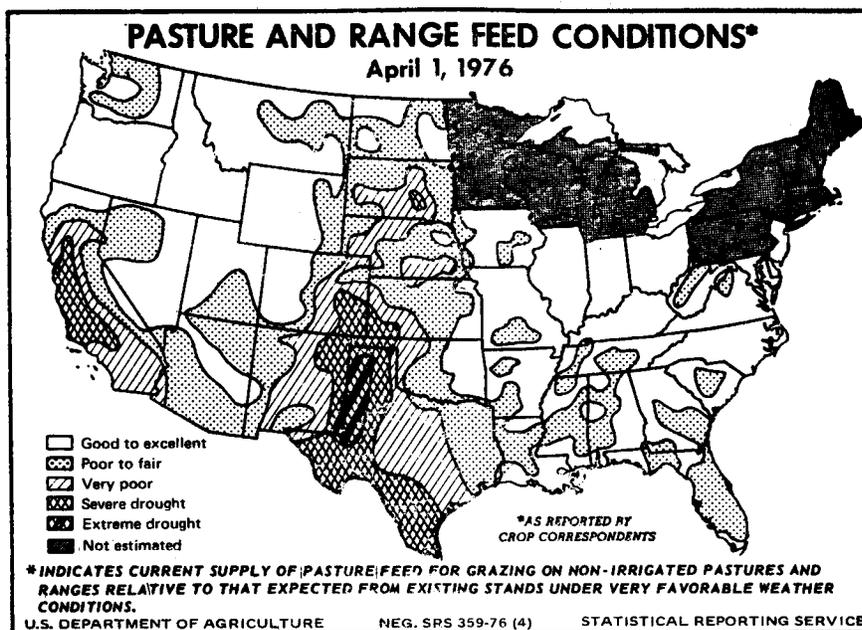
The situation is similar for several other States in that area of the Great Plains. The Colorado crop is now expected to be 42.8 million bushels, compared with the December forecast of

48.1 million; the yield is likely to be off 1.5 bushels per acre. The New Mexico winter wheat stand may produce 4.7 million bushels, which is down from the earlier expectation of 5.4 million. Texas, the second largest producing State in the region, is looking for 66.3 million bushels. In December, the outlook indicated 75.6 million. The Texas yield may slip from 1975's reading of 23 bushels per acre to 17 bushels this season.

While prospects for four of these major winter wheat States were declining, condition of the Oklahoma crop gained since December. The Crop Reporting Board now expects the harvest to bring in 121.8 million bushels of Oklahoma wheat, in December they had anticipated nearer 113.2 million. Oklahoma farmers expect to harvest 5.8 million acres with a yield of 21 bushels. Last year the harvest was 6.7 million acres at 24 bushels.

Over the five States, grain is expected to be harvested from a total 23 million acres, 15% below last year. Acreage planted for the 1976 crop was slightly more than a year earlier, but the April 1 indication for grain is only 76%, compared with 91% harvested last year. The average yield a year ago was nearly 26 bushels and for this season it's closer to 22.7 bushels.

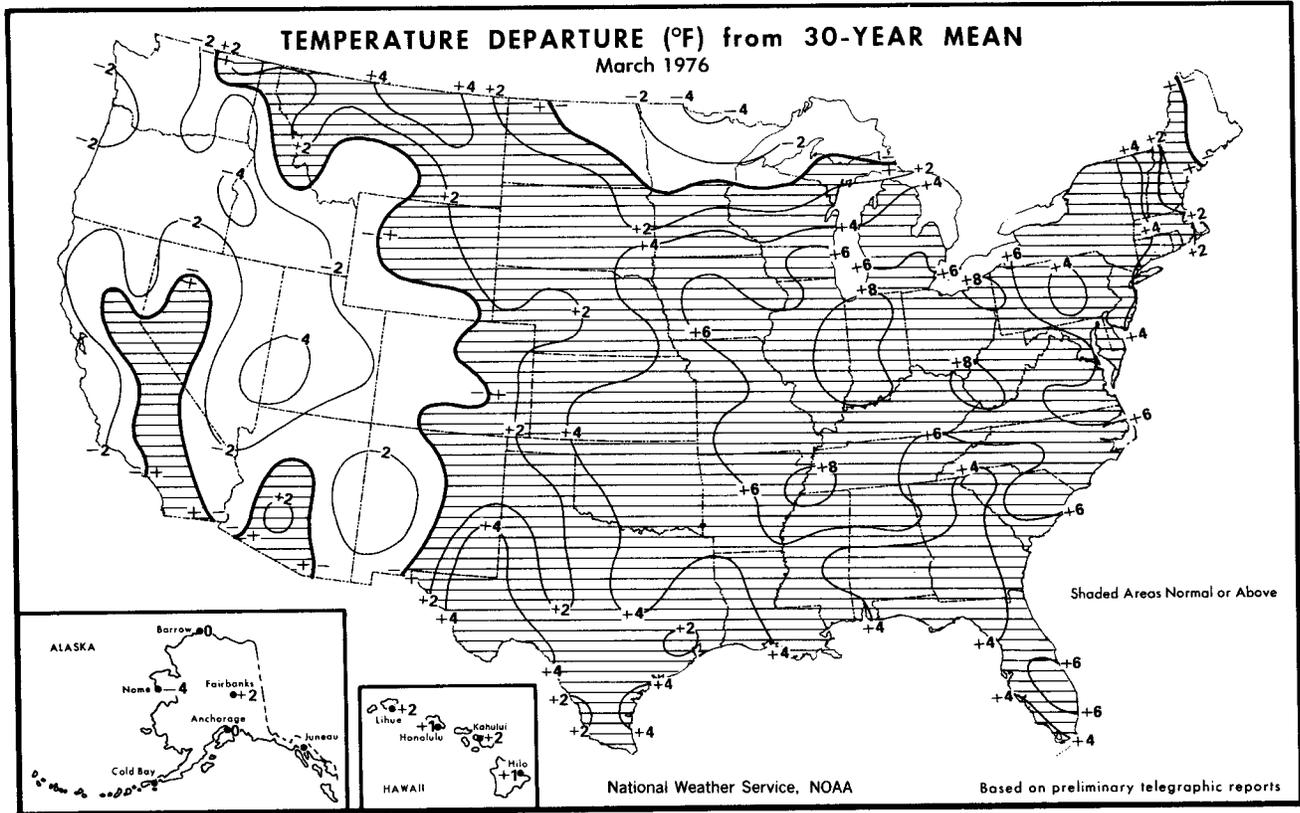
The winter wheat crop for the entire Nation was forecast at 1.5 billion bushels last December. The next forecast for the full 1976 crop will be released in the May 10 Crop Production report.



Heating Degree Days (Base 65°) For Week Ending

April 11, 1976

States and Stations	Weekly		Seasonal Accumulation			States and Stations	Weekly		Seasonal Accumulation			States and Stations	Weekly		Seasonal Accumulation		
	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 . . .	45	7	2517	-258	44	Portland . . . . .	182	7	6583	-41	186	Tulsa . . . . .	0	56	3088	-486	-636
Mobile . . . . .	0	16	1393	-280	96	MD.Baltimore . . . .	113	17	3805	-633	277	OREG.Astoria . . . .	104	24	4193	-141	123
Montgomery . . . . .	21	4	2119	-112	206	MASS.Boston . . . .	121	12	4564	-536	406	Burns . . . . .	133	28	6688	-448	456
ARIZ.Flagstaff . . . .	156	19	5926	-308	410	MICH.Alpena . . . . .	194	1	7117	-367	-127	Medford . . . . .	107	8	4245	-82	46
Phoenix . . . . .	6	13	1043	-482	-488	Detroit . . . . .	151	10	5527	-331	-526	Pendleton . . . . .	62	50	3198	-1511	-928
Tucson . . . . .	14	11	1385	-289	721	Flint . . . . .	173	20	5732	-616	-489	Portland . . . . .	88	22	3864	-282	133
Winslow . . . . .	91	5	4509	104	-424	Grand Rapids . . . .	167	17	5874	-304	-781	Salem . . . . .	106	10	4271	-117	337
Yuma . . . . .	7	0	871	-124	-259	Houghton Lake . . . .	190	6	7011	-436	-318	PA.Allentown . . . .	148	23	4890	-478	-330
ARK.Fort Smith . . . .	30	14	3059	-206	-459	Lansing . . . . .	168	18	5994	-275	-389	Erie . . . . .	194	34	5592	-498	-403
Little Rock . . . . .	34	11	2749	-524	-240	Marquette . . . . .	185	8	6990	-292	-116	Harrisburg . . . . .	128	23	4442	-457	-521
CALIF.Bakersfield . . .	36	4	1947	-142	-83	Muskegon . . . . .	174	17	5591	-585	-583	Philadelphia . . . .	97	6	3960	-586	-327
Eureka . . . . .	100	12	4030	-316	243	S. Ste. Marie . . . .	235	26	7986	-47	-165	Pittsburgh . . . . .	162	40	5038	-422	-190
Fresno . . . . .	77	25	2853	-360	170	MINN.Duluth . . . . .	169	38	8559	-64	-430	Scranton . . . . .	157	22	5181	-581	-237
Los Angeles . . . . .	55	6	1090	-428	-215	Internatl Falls . . . .	164	49	9339	-122	0	R.I.Providence . . . .	141	0	5104	-272	-151
Red Bluff . . . . .	94	34	2687	-191	-179	Minneapolis . . . . .	107	61	6748	-866	-899	S.C.Charleston . . . .	38	13	1814	-303	78
San Diego . . . . .	29	9	950	-344	-251	Rochester . . . . .	122	47	6716	-804	-1067	Columbia . . . . .	47	18	2105	-405	-147
San Francisco . . . . .	81	9	2836	-299	133	St. Cloud . . . . .	130	50	7897	-195	-543	Greenville . . . . .	82	35	2897	-174	-216
Stockton . . . . .	100	40	2788	-180	-46	MISS.Jackson . . . . .	23	2	2058	-208	45	S.DAK.Aberdeen . . . .	100	-71	6999	-880	-508
COLO.Denver . . . . .	97	44	5013	-376	573	Meridian . . . . .	33	6	2361	-11	265	Huron . . . . .	103	56	6862	-535	-541
Grand Junction . . . .	93	19	5469	-236	47	MO.Columbia . . . . .	79	12	4312	-478	-906	Rapid City . . . . .	109	57	6017	-514	-736
Pueblo . . . . .	88	26	4833	-169	-241	KANSO City . . . . .	57	36	4389	-492	-898	Sioux Falls . . . . .	90	-66	6634	-572	-682
CONN.Bridgeport . . . .	131	3	4559	-374	-247	St. Louis . . . . .	87	7	4141	-360	-732	TENN.Chattanooga . . .	65	14	3289	-88	-265
Hartford . . . . .	130	11	5282	-497	-333	Springfield . . . . .	53	28	3816	-515	-724	Knoxville . . . . .	72	18	3311	-39	5
DEL.Wilmington . . . .	117	10	4110	-497	333	MONT.Billings . . . . .	90	73	6118	-338	-656	Memphis . . . . .	31	-12	2521	-630	-297
D.C.Washington . . . .	90	12	3239	-767	363	Glasgow . . . . .	80	102	7315	-794	-293	Nashville . . . . .	65	10	2979	-591	-342
FLA.Apalachicola . . . .	4	8	1351	-2	352	Great Falls . . . . .	76	97	6388	-371	-669	TEX.Abilene . . . . .	20	14	2223	-332	-561
Daytona Beach . . . . .	2	5	850	-44	288	Havre . . . . .	62	121	6644	-131	-889	Amarillo . . . . .	45	35	3427	-524	-832
Ft. Myers . . . . .	0	0	397	-60	251	Helena . . . . .	101	76	6889	-326	-590	Austin . . . . .	8	9	1389	-335	-313
Jacksonville . . . . .	21	11	1382	-60	230	Kalispell . . . . .	94	87	6827	-645	-560	Brownsville . . . . .	0	0	518	-134	34
Key West . . . . .	0	0	57	-5	50	Miles City . . . . .	76	86	6625	-535	-402	Corpus Christi . . . .	0	0	740	-190	-122
Lakeland . . . . .	0	5	625	-53	255	Missoula . . . . .	90	76	6530	-439	-210	Del Rio . . . . .	2	-5	1177	-345	-273
Miami . . . . .	0	0	202	-4	143	NEBR.Grand Island . . .	75	54	5503	-447	-876	El Paso . . . . .	9	-22	2343	-300	-521
Orlando . . . . .	1	4	660	-44	273	Lincoln . . . . .	71	48	5268	-542	-1054	Fort Worth . . . . .	21	-10	1837	-511	-471
Tallahassee . . . . .	13	0	1594	41	75	Norfolk . . . . .	72	69	5904	-565	-753	Galveston . . . . .	0	9	985	-238	56
Tampa . . . . .	0	5	668	-50	277	North Platte . . . . .	133	11	6462	306	-69	Houston . . . . .	6	4	1309	-122	7
W. Palm Beach . . . . .	0	0	306	7	194	Omaha . . . . .	51	62	5008	-671	-1142	Lubbock . . . . .	27	32	2798	-629	-755
GA.Atlanta . . . . .	46	1	2690	-315	-97	Valentine . . . . .	93	65	6298	-341	-416	Midland . . . . .	15	18	2153	-429	-332
Augusta . . . . .	45	14	2126	-376	-450	NEV.Ely . . . . .	160	22	6537	-148	-181	Beaumont . . . . .	2	12	1541	-170	83
Macon . . . . .	27	3	2047	-164	42	Las Vegas . . . . .	24	15	2226	-305	-299	San Angelo . . . . .	21	4	2020	-191	-321
Savannah . . . . .	31	8	1721	-208	213	Reno . . . . .	141	0	5376	-146	-91	San Antonio . . . . .	4	8	1396	-167	-206
IDAHO Boise . . . . .	83	44	5223	-13	181	Winnemucca . . . . .	107	47	5099	-674	-632	Victoria . . . . .	1	6	995	-232	9
Lewiston . . . . .	67	50	4532	-365	-147	N.H.Concord . . . . .	187	22	7086	-455	-112	Waco . . . . .	15	7	1633	-409	-665
Pocatello . . . . .	123	33	6089	-162	-272	N.J.Atlantic City . . . .	147	35	4528	-62	38	Wichita Falls . . . . .	15	23	2297	-550	-670
ILL.Cairo . . . . .	57	1	3148	-569	-615	Trenton . . . . .	123	16	4112	-493	-324	UTAH.Salt Lake C . . . .	92	35	5262	-130	267
Chicago . . . . .	126	1	5100	-547	-676	N.MEX.Albuquerque . . . .	65	18	4208	118	-312	VT.Burlington . . . . .	191	14	6860	-249	-71
Moline . . . . .	107	16	5310	-650	-840	Roswell . . . . .	17	41	2734	-857	-839	VA.Lynchburg . . . . .	102	26	3670	-346	-429
Peoria . . . . .	106	11	5248	-432	-609	N.Y.Albany . . . . .	158	10	5924	-377	-590	Norfolk . . . . .	74	6	2775	-548	-271
Rockford . . . . .	137	1	5984	-323	-489	Binghamton . . . . .	187	24	6185	-363	-606	Richmond . . . . .	87	19	3181	-583	-605
Springfield . . . . .	98	6	4658	-567	-603	Buffalo . . . . .	185	25	5744	-460	-212	Roanoke . . . . .	99	18	3540	-518	-541
IND.Evansville . . . . .	95	18	3932	-465	-360	New York . . . . .	109	2	4083	-465	-336	WASH.Quillayute . . . .	111	32	4326	-549	-381
Fort Wayne . . . . .	138	8	5175	-538	-635	Rochester . . . . .	175	23	5683	-389	-403	Seattle-Tacoma . . . .	99	25	4047	-369	-198
Indianapolis . . . . .	127	19	4747	-453	-517	Syracuse . . . . .	169	19	5838	-209	-275	Spokane . . . . .	99	50	5935	-1024	-348
South Bend . . . . .	133	5	5045	-858	-525	N.C.Asheville . . . . .	104	25	3794	-182	0	Walla Walla . . . . .	65	34	4077	-325	-150
IOWA.Burlington . . . .	95	22	5107	-634	-883	Hatteras . . . . .	75	17	2109	-484	-157	Yakima . . . . .	99	24	5197	-214	42
Des Moines . . . . .	74	58	5237	-1016	-1050	Charlotte . . . . .	83	36	2810	-310	-343	W.VA.Beckley . . . . .	150	40	4447	-678	-653
Debouque . . . . .	122	23	6172	-524	-863	Greensboro . . . . .	77	15	3125	-544	-334	Charleston . . . . .	129	47	3775	-543	-831
Sioux City . . . . .	82	53	5905	-576	-812	Raleigh . . . . .	77	21	2866	-515	-564	Huntington . . . . .	120	36	3737	-608	-540
KANS.Concordia . . . . .	68	40	4616	-634	-786	Wilmington . . . . .	58	25	1878	-509	-310	Parkersburg . . . . .	139	48	4152	-369	-379
Dodge City . . . . .	26	74	4043	-691	-767	N.Dak.Bismarck . . . . .	124	57	7350	-871	-1084	WIS.Green Bay . . . . .	172	2	7023	-289	-422
Goodland . . . . .	84	51	4840	-742	-879	Fargo . . . . .	131	54	7857	-607	-583	LaCrosse . . . . .	125	21	6448	-420	-630
Topeka . . . . .	62	34	4384	-561	-740	Williston . . . . .	109	76	7957	-351	-271	Madison . . . . .	136	24	6225	-809	-631
Wichita . . . . .	37	45	4010	-443	-708	OHIO.Akron-Canton . . . .	171	36	5062	-621	-366	Milwaukee . . . . .	147	15	5803	-858	-727
KY.Lexington . . . . .	125	38	4148	-310	-231	Cleveland . . . . .	173	37	5139	-459	-414	WYO.Casper . . . . .	137	40	6441	-198	-652
Louisville . . . . .	96	13	3655	-733	-493	Columbus . . . . .	159	44	4792	-492	-274	Cheyenne . . . . .	148	29	6135	-188	-573
LA.Baton Rouge . . . . .	2	11	1548	-114	-117	Cincinnati . . . . .	115	18	4282	-461	-528	Lander . . . . .	129	46	6912	-47	-206
Lake Charles . . . . .	2	9	1401	-93	89	Dayton . . . . .	140	25	4675	-564	-420	Sheridan . . . . .	101	69	6425	-376	-806
New Orleans . . . . .	4	8	1430	-29	162	Toledo . . . . .	160	24</									



**March Weather Summary**

From the Continental Divide westward March average temperatures were generally slightly below normal. East of this area temperatures averaged above normal but weren't as high as last month. The Midwest claimed the greatest departures, which ranged 6 to 8° above normal. Coupled with previous warm weather, these warm temperatures hint at an early spring; already many fields are greening. As plants begin to grow, demand for moisture is up and in most areas supplies have been adequate. From the 100th meridian to the Appalachians the month furnished above normal rainfall with some exceptions. Less than normal rain along most of the West Coast worsened critically low water supplies in California. The important winter wheat area in western Kansas, Oklahoma, and Texas received less than half the expected and much needed rain. Dryness along the East Coast from Virginia southward is the result of below normal March precipitation and drought is plaguing southwest Florida.

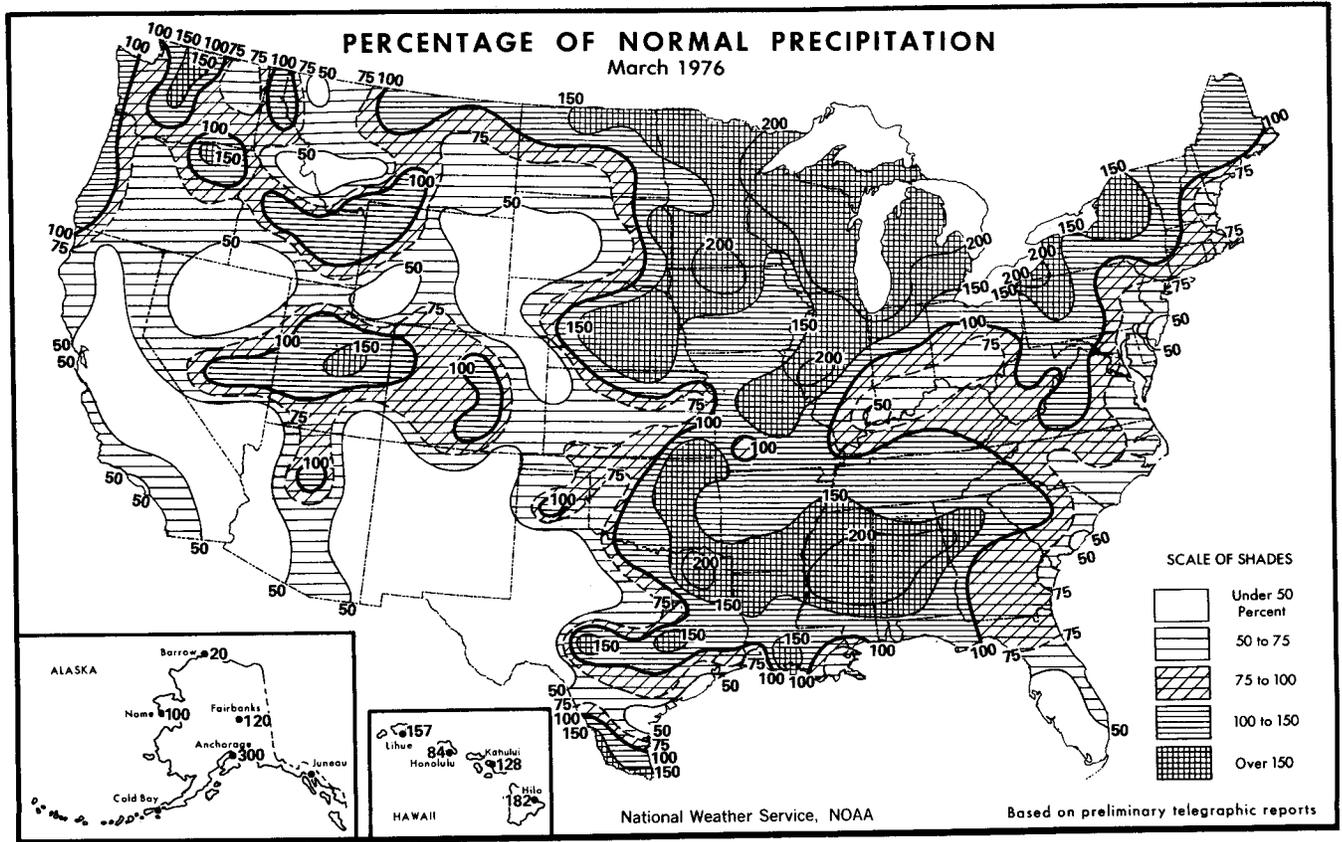
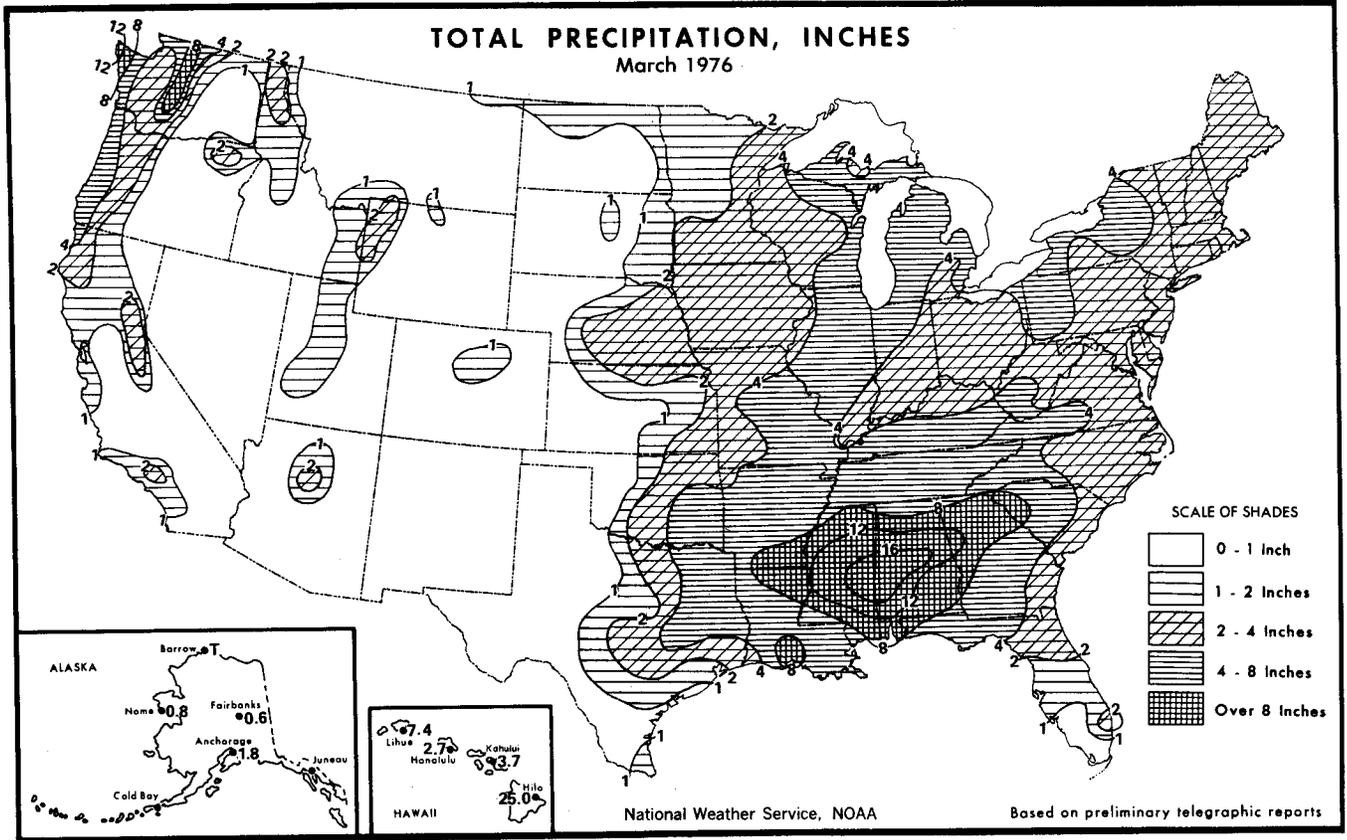
The first week of March saw a return to winter for the northwestern half of the Nation. West of a line from New Mexico to the Great Lakes region average temperatures ranged to 12 to 15° below normal in the northern Rockies and 6 to 9° below in most other places. The East remained above normal with maximum departures 15 to 18° above from the middle Mississippi Valley to the East Coast. Greatest precipitation ranged from 1 to 2 inches from the lower Mississippi Valley to the Great Lakes and eastward through New York. Freezing rain and snow characterized precipitation around the Great Lakes area and in New York.

In the second week heavy rain fell in the mid-South. Maximum amounts exceeded 5 inches in cen-

tral Mississippi. Thunderstorms accompanied most of the mid-South rain and several tornadoes were reported. Showers extended westward to the Texas Panhandle, but were only light and widely scattered in the Panhandle, where moisture is badly needed. Rain was spotty and very light over the rest of the winter wheat area. Temperatures ranged near normal over most of the country.

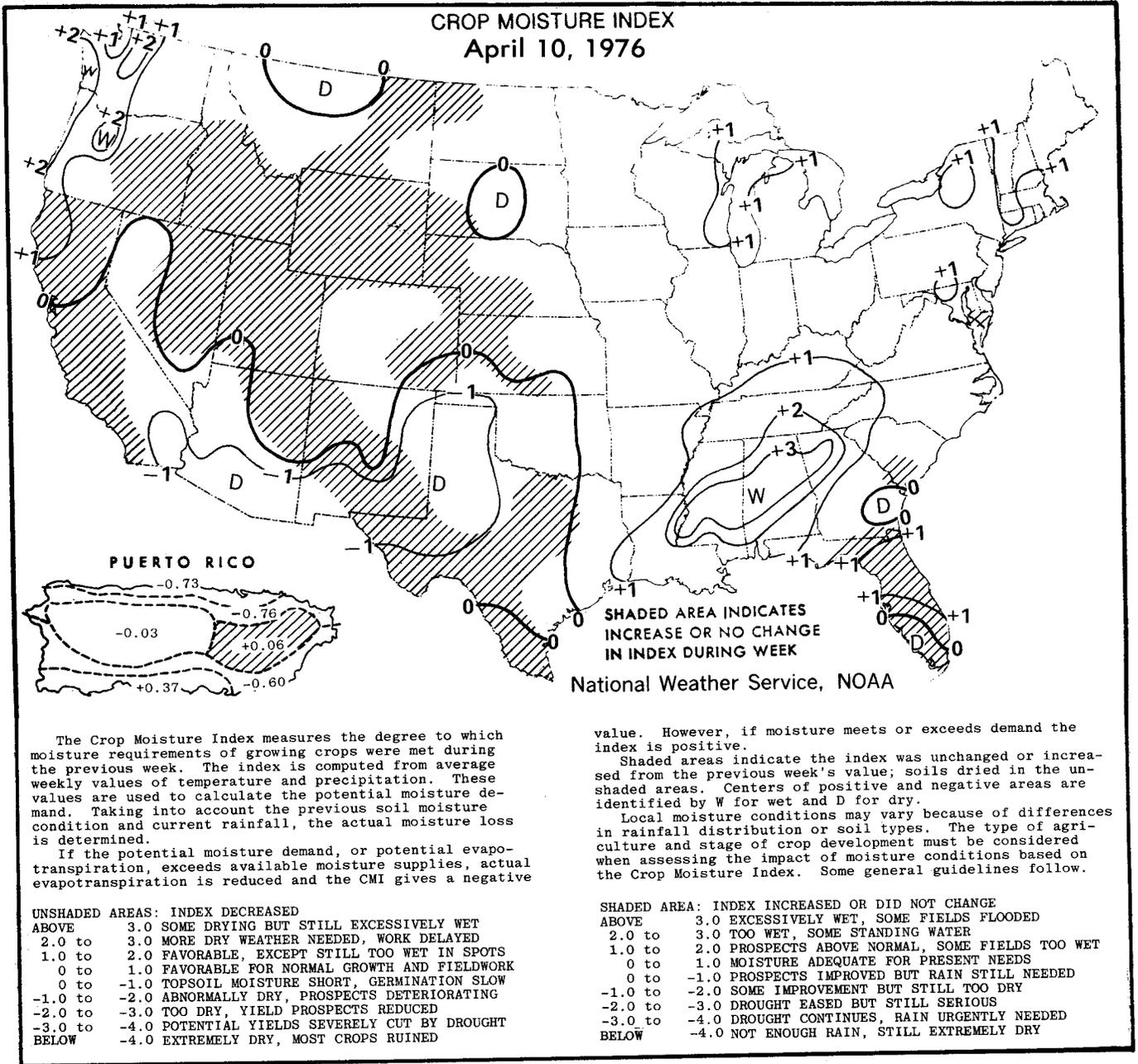
In the third week more heavy rains in the mid-South dumped more than 5 inches in Alabama and northern Georgia. Heavy rain extended into South Carolina. Again, severe thunderstorms spawned damaging tornadoes and hail in the Southeast. Except in the Pacific Northwest, little or no precipitation fell west of the Mississippi River Valley. Although freezing weather dipped far south--almost to the Gulf Coast--early in the week, later warming pushed average weekly temperatures above normal in most of the Nation. Central Montana was 12° above normal. Temperatures averaged 6° above in most of central U.S., but were near normal along both coasts. Even though spring officially arrived in the early part of the week, forecasters cited snow from Michigan and the eastern Ohio Valley and the central and northern Appalachians and over the northern Atlantic Coast States.

March roared out as heavy rain with thunderstorms and tornadoes continued in the mid-South. The thunderstorm area extended northward up the Mississippi River Valley by mid-week. Dry areas in the U.S.--the western Plains, the Southwest, California, and southern Florida--remained dry. In the final week above normal temperatures continued across most of the Nation and averaged as much as 12° above normal in the central Plains.



Temperature and Precipitation Data for March 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 . . .	59	+6	14.1	+ 7.9	La. Baton Rouge . . .	64	+4	5.2	+ 1.1	Youngstown . . .	43	+8	4.0	+ .8
Mobile . . .	64	+5	9.6	+ 2.5	Lake Charles . . .	63	+3	2.5	- 1.3	OKLA. Okla. City . . .	52	+4	3.1	+1.0
Montgomery . . .	59	+2	9.4	+ 3.4	New Orleans . . .	65	+4	3.1	- 2.4	Tulsa . . .	52	+4	4.0	+1.5
ALASKA. Anchorage . . .	24	0	1.8	+ 1.2	Shreveport . . .	60	+3	6.7	+ 2.6	OREG. Astoria . . .	44	0	7.2	+ .6
Barrow . . .	-15	0	T	. 2	MAINE. Caribou . . .	23	-1	2.6	+ .4	Burns . . .	34	-2	. 5	- .4
Fairbanks . . .	12	+2	. 6	+ .1	Portland . . .	32	0	2.5	- 1.1	Medford . . .	43	-2	1.1	- .5
Juneau . . .	---	---	---	---	MD. Baltimore . . .	48	+5	2.2	- 1.5	Pendleton . . .	43	-1	1.7	+ .7
Kodiak . . .	---	---	---	---	MASS. Boston . . .	41	+3	2.4	- 1.6	Portland . . .	45	-1	2.9	- .7
Nome . . .	3	-4	. 8	0	Chatham . . .	39	+1	3.2	- . 5	Salem . . .	43	-2	3.7	- .6
ARIZ. Flagstaff . . .	35	+1	2.1	+ .3	MICH. Alpena . . .	31	+5	4.4	+ 2.5	PA. Allentown . . .	42	+4	2.6	-1.0
Phoenix . . .	62	+2	. 4	- .4	Detroit . . .	40	+5	4.2	+ 1.7	Erie . . .	39	+6	6.8	+4.0
Tucson . . .	58	0	. 4	- .2	Flint . . .	39	+6	3.7	+ 1.6	Harrisburg . . .	44	+3	3.3	+ .1
Winslow . . .	43	-2	. 2	- .2	Grand Rapids . . .	38	+5	5.0	+ 2.5	Philadelphia . . .	46	+4	2.4	-1.3
Yuma . . .	63	-1	T	. 2	Houghton Lake . . .	31	+4	5.7	+ 4.0	Pittsburgh . . .	45	+7	4.5	+ .9
ARK. Fort Smith . . .	54	+4	4.2	+ .6	Lansing . . .	38	+5	3.9	+ 1.5	Scranton . . .	41	+4	2.2	- .4
Little Rock . . .	55	+5	5.5	+ .6	Marquette . . .	28	+1	4.0	+ 2.1	R. I. Providence . . .	39	+2	3.4	- .6
CALIF. Bakersfield . . .	57	0	4	- .4	Muskegon . . .	38	+5	6.6	+ 4.2	S. C. Charleston . . .	62	+5	2.3	-2.5
Eureka . . .	46	-2	3.1	- 1.7	S. Ste. Marie . . .	23	-1	5.0	+ 3.3	Columbia . . .	61	+7	5.2	+ .5
Fresno . . .	52	-2	. 4	- 1.2	MINN. Duluth . . .	22	-2	3.7	+ 1.9	Greenville . . .	54	+3	7.3	+2.0
Los Angeles . . .	58	-1	1.0	- 1.2	Internatl Falls . . .	17	-4	1.8	+ .7	S. D. Aberdeen . . .	31	+4	. 7	- .2
Red Bluff . . .	52	-1	1.5	- 1.0	Minneapolis . . .	31	+3	2.8	+ 1.1	Huron . . .	31	+2	. 7	- .4
San Diego . . .	60	+2	1.0	- .6	Rochester . . .	32	+4	2.9	+ 1.2	Rapid City . . .	34	+3	. 3	- .7
San Francisco . . .	51	-2	1.2	- 1.3	St. Cloud . . .	26	0	1.8	+ . 5	Sioux Falls . . .	35	+5	1.6	+ .2
Stockton . . .	51	-2	. 6	- 1.4	MISS. Jackson . . .	60	+4	15.1	+ 9.5	TENN. Chattanooga . . .	54	+4	5.4	- .2
COLO. Denver . . .	37	0	1.3	+ . 1	Meridian . . .	58	+2	16.5	+10.3	Knoxville . . .	53	+3	5.2	+ .3
Grand Junction . . .	39	-2	. 8	0	MO. Columbia . . .	47	+5	4.4	+ 1.8	Memphis . . .	59	+8	7.7	+2.6
Pueblo . . .	39	-1	. 9	+ .2	Kansas City . . .	45	+4	2.5	- . 1	Nashville . . .	56	+7	5.3	+ .3
CONN. Bridgeport . . .	40	+2	2.8	- .7	St. Louis . . .	49	+6	4.3	+ 1.3	TEX. Abilene . . .	57	+2	1.3	- .7
Hartford . . .	40	+4	2.9	- .9	Springfield . . .	50	+6	2.5	- . 5	Amarillo . . .	47	+1	. 8	0
D. C. Washington . . .	51	+6	2.5	- .8	MONT. Billings . . .	32	-1	1.0	0	Austin . . .	62	+2	2.1	+ .2
FLA. Apalachicola . . .	64	+3	4.9	+ .2	Glasgow . . .	29	+4	. 3	- . 1	Beaumont . . .	63	+3	2.7	- .4
Daytona Beach . . .	68	+4	2.0	- 1.4	Great Falls . . .	32	+1	. 8	- .2	Brownsville . . .	71	+3	1.3	+ .6
Ft. Myers . . .	72	+3	. 9	- 2.2	Havre . . .	31	+4	. 7	+ .2	Corpus Christi . . .	69	+4	. 2	- .9
Jacksonville . . .	65	+4	3.4	- .2	Helena . . .	30	-1	. 4	- .3	Dallas . . .	---	---	---	---
Key West . . .	72	+2	1.9	- 2.1	Kalispell . . .	32	+1	. 4	- .5	Del Rio . . .	67	+4	. 1	- .6
Lakeland . . .	72	+6	1.9	- 2.1	Miles City . . .	33	+3	. 4	- .3	El Paso . . .	56	+1	T	- .4
Miami . . .	76	+5	2	- 1.9	Missoula . . .	35	+2	. 4	- .3	Fort Worth . . .	59	+4	2.3	- .2
Orlando . . .	71	+5	1.7	- 1.8	NEBR. Grand Island . . .	39	+3	2.2	+ 1.0	Galveston . . .	64	+3	. 9	-1.7
Tallahassee . . .	63	+3	5.3	- .6	Lincoln . . .	39	+2	2.6	+ 1.1	Houston . . .	62	+1	1.5	-1.2
Tampa . . .	71	+5	1.6	- 2.3	Norfolk . . .	37	+4	2.7	+ 1.3	Lubbock . . .	62	+3	. 2	- .7
W. Palm Beach . . .	63	+7	2.4	- .9	N. Platte . . .	34	0	2.0	+ 1.0	Midland . . .	57	+3	. 3	- .3
GA. Atlanta . . .	56	+5	11.0	+ 5.2	Omaha . . .	40	+5	2.1	+ . 5	San Angelo . . .	58	+1	. 3	- .6
Augusta . . .	60	+5	4.1	- .6	Valentine . . .	33	+2	. 6	- .2	San Antonio . . .	64	+3	1.2	- .3
Macon . . .	60	+3	4.8	- .4	NEV. Ely . . .	30	-3	. 8	- . 1	Victoria . . .	65	+3	1.5	- .4
Savannah . . .	63	+5	2.5	- 1.9	Las Vegas . . .	53	-2	T	- .3	Waco . . .	61	+4	1.6	- .8
HAWAII. Hilo . . .	72	+1	25.0	+11.3	Reno . . .	38	-2	. 4	- .3	Wichita Falls . . .	56	+3	1.9	+ .3
Honolulu . . .	74	+1	2.7	- .5	Winnemucca . . .	38	0	. 3	- .4	UTAH. Blanding . . .	38	-0	. 3	- .6
Kahului . . .	74	+2	3.7	+ .8	N. H. Concord . . .	32	0	2.0	- .8	Salt Lake City . . .	38	-2	1.9	+ .3
Lihue . . .	74	+2	7.4	+ 2.7	N. J. Atlantic City . . .	43	+2	1.4	- 2.9	VT. Burlington . . .	34	+5	2.4	+ .5
IDAHO. Boise . . .	37	-4	. 7	- .3	Trenton . . .	45	+4	2.2	- 1.6	VA. Lynchburg . . .	51	+5	4.1	+ .6
Lewiston . . .	41	-2	. 8	- .2	N. MEX. Albuquerque . . .	44	-2	. 1	- .4	Norfolk . . .	53	+5	2.2	-1.2
Pocatello . . .	33	-2	1.1	+ .2	Roswell . . .	54	+5	. 2	- .3	Richmond . . .	53	+6	2.1	-1.3
ILL. Cairo . . .	54	+6	3.3	- 1.4	N. Y. Albany . . .	37	+4	3.6	+ 1.0	Roanoke . . .	51	+6	4.5	+1.2
Chicago . . .	43	+6	5.4	+ 2.7	Binghamton . . .	36	+5	2.8	- . 1	WASH. Colville . . .	39	+2	. 8	- .3
Moline . . .	41	+5	3.7	+ 1.1	Buffalo . . .	37	+5	5.6	+ 2.7	Omak . . .	37	-2	1.3	+ .5
Peoria . . .	44	+7	4.3	+ 1.5	New York . . .	45	+4	2.3	- 1.7	Quillayute . . .	40	-2	14.2	+3.4
Rockford . . .	39	+5	4.9	+ 2.2	Rochester . . .	37	+4	3.5	+ .9	Seattle-Tacoma . . .	41	-3	2.7	- .9
Springfield . . .	45	+6	5.6	+ 2.9	Syracuse . . .	37	+4	4.6	+ 1.6	Spokane . . .	35	-3	. 8	- .7
IND. Evansville . . .	52	+8	2.3	- 2.4	N. C. Asheville . . .	51	+5	5.0	. 3	Walla Walla . . .	43	-3	1.6	+ .2
Ft. Wayne . . .	44	+7	3.5	+ .6	Charlotte . . .	55	+4	4.4	- . 1	Yakima . . .	39	-3	. 7	+ .1
Indianapolis . . .	47	+7	3.5	- .3	Greensboro . . .	54	+6	2.4	- 1.3	W. Va. Beckley . . .	48	+8	3.3	- .9
South Bend . . .	44	+9	8.0	+ 5.2	Hatteras . . .	57	+6	2.7	- 1.1	Charleston . . .	52	+7	4.2	+ .2
IOWA. Burlington . . .	43	+6	3.4	+ .7	Raleigh . . .	56	+7	3.2	- .2	Huntington . . .	52	+8	3.9	- .2
Des Moines . . .	40	+6	3.0	+ .7	Wilmington . . .	61	+7	2.6	- 1.5	Parkersburg . . .	50	+7	2.8	-1.0
Dubuque . . .	37	+5	3.7	+ .7	N. DAK. Bismarck . . .	27	+2	. 5	- .2	WIS. Green Bay . . .	31	+2	3.7	+2.0
Sioux City . . .	36	+3	2.6	+ 1.1	Fargo . . .	23	-1	1.0	+ .2	La Crosse . . .	34	+3	2.9	+ .9
KANS. Concordia . . .	42	+3	2.6	+ 1.0	Williston . . .	25	0	. 7	+ . 1	Madison . . .	37	+7	4.8	+2.9
Dodge City . . .	45	+4	. 7	- .4	OHIO. Akron-Canton . . .	43	+7	3.5	+ .3	Milwaukee . . .	39	+8	7.0	+4.8
Goodland . . .	39	+3	. 3	- .6	Cincinnati . . .	47	+5	2.1	- 2.0	WYO. Casper . . .	32	+1	. 5	- .4
Topeka . . .	45	+4	1.4	- .8	Cleveland . . .	45	+9	3.1	0	Cheyenne . . .	31	-1	. 3	- .8
Wichita . . .	46	+2	1.5	- .3	Columbus . . .	46	+7	2.2	- 1.2	Lander . . .	32	+1	. 4	- .8
KY. Lexington . . .	50	+6	3.7	- 1.1	Dayton . . .	46	+7	3.0	- .2	Sheridan . . .	31	0	. 4	- .8
Louisville . . .	52	+8	2.9	- 2.2	Toledo . . .	42	+6	3.6	+ 1.1	P. R. San Juan . . .	77	+1	2.0	0



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.



# FIRST CLASS MAIL

## WATER SUPPLY OUTLOOK FOR THE WESTERN UNITED STATES Issued as of April 1, 1976

The table below shows the runoff forecast in percent of the 15-year (1958-72) average. The forecasts are for the remainder of the water year (October thru September), except for the full water year for the Sacramento and San Joaquin Basins; April 1 to September 30, 1976, for the Missouri, Yellowstone, and North Platte Basins; November 1, 1975 to June 30, 1976, for the Little Colorado Basin; and January 1 to June 30, 1976, for the Gila Basin. The publication "Water Supply Outlook for the Western United States," issued as of April 1, 1976, contains the complete water supply forecasts for about 375 stations in the Western United States.

River	Station	Forecast 1,000 Acre-feet	Percent 15-year average
Columbia	Grand Coulee, WA	73,400	106
Columbia	The Dalles, OR	118,000	113
Snake	Lower Granite, WA	25,500	115
Sacramento	Red Bluff, CA	4,500	50
San Joaquin	Big Creek, CA	520	40
Weber	Gateway, UT	331	109
Jordan	Utah Lake, UT	288	110
Truckee	Lake Tahoe-Farad	70	25
Colorado	Lake Powell infl.	7,660	98
Green	Green River, UT	3,250	104
San Juan	Bluff, UT	1,100	107
Little Colo.	Woodruff, AZ	5.8	67
Gila	Solomon, AZ	32	59
Rio Grande	San Marcial, NM	423	120
Arkansas	Pueblo, CO	283	80
Missouri	Ft. Peck, MT	5,610	118
Yellowstone	Sidney, MT	8,880	127
North Platte	Glendo, WY	773	93

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