

WEEKLY WEATHER AND CROP BULLETIN

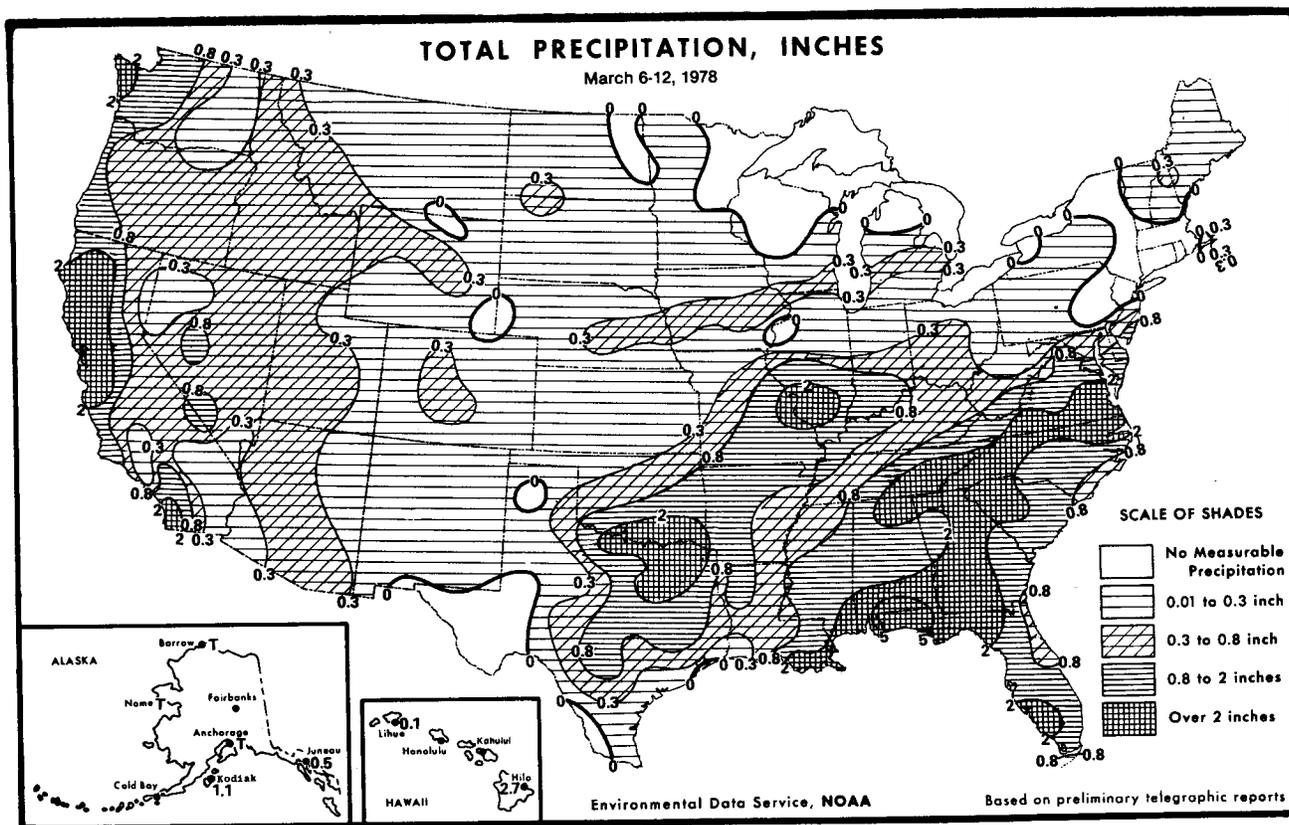
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National Weather Summary

March 6 - 12

HIGHLIGHTS: Nearly all sections of the Nation received some precipitation. The heaviest amounts fell along the northern half of the West Coast; from northeastern Texas to southern Illinois; and in the southeastern U.S. More than 5 inches of rain drenched portions of the Florida Panhandle.

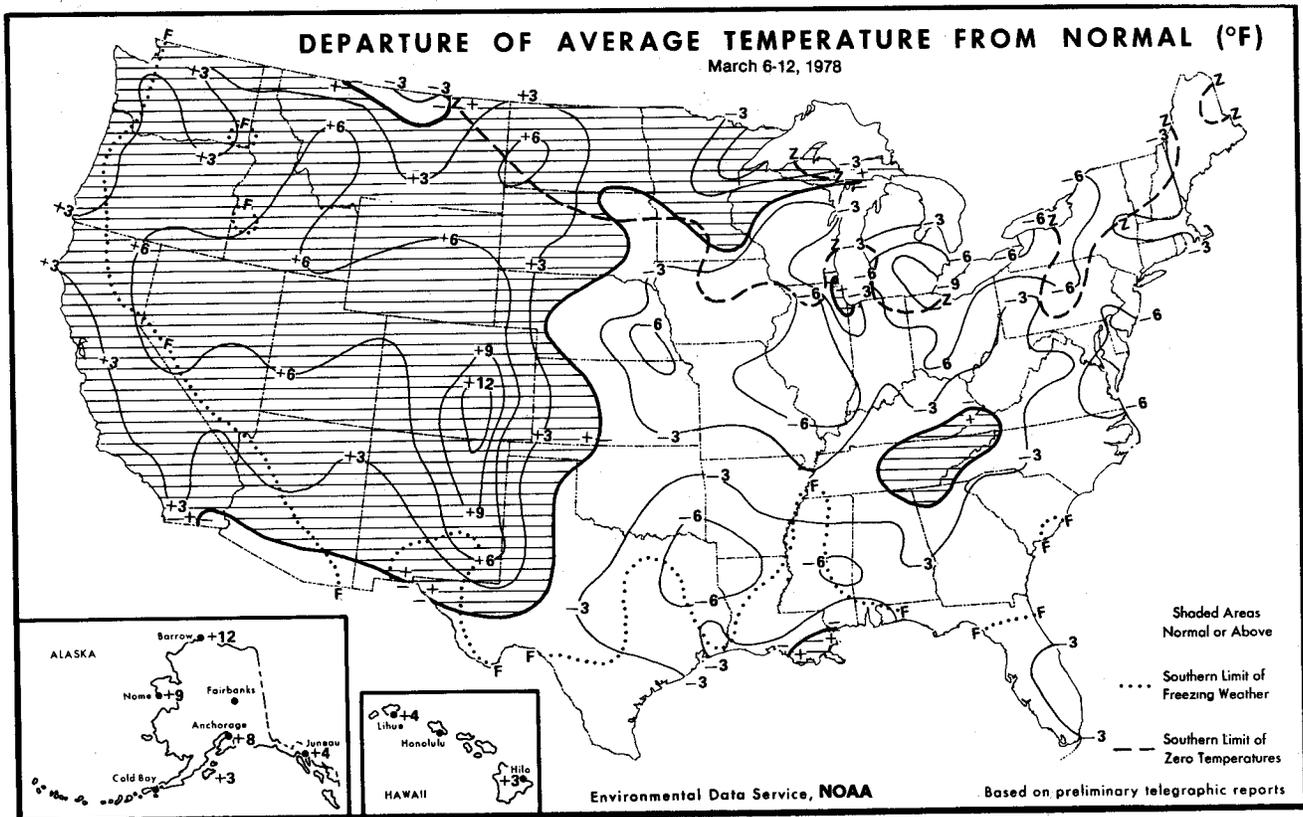
Although average temperatures were somewhat below normal for the week from the central Plains to the Atlantic Seaboard, readings warmed by week's end. Temperatures ran warmer than normal from the Pacific Coast through the Rockies into the west central Plains, and from the northern Plains to the western Great Lakes. The eastern slope of the central Rockies reached as much as 13 degrees above expected for this time of year.

When the week began, precipitation was falling lightly over a large portion of the Nation's mid-section. By early Monday evening, heavy snow hit the central Plains dumping up to 8 inches on some Nebraska points. Further south, Waco, Texas, gathered nearly 2 inches of rain while San Antonio chalked up one inch.

A light snowfall in Syracuse, N.Y., pushed the season's total to 157.3 inches, a new winter record.

Record low temperatures for Monday hit the East--Binghamton, N.Y. called in 2°; Atlantic City, N.J., reported 11°; and Philadelphia undercut the 1888 reading by 1, notching 10°.

On Tuesday, moisture moving northward from the Gulf of Mexico clashed with a cold front marching through the Plains. The resulting collision set off precipitation from the center of the country to the Atlantic Coast. Up to 10 inches of snow blanketed central Illinois, and more than 2 inches of rain soaked stations in Texas; Houston was battered by 40 mph winds and hail. Thunderstorms raked the South where 1 to 2 inches of rain



drenched cities from Louisiana to Florida. Heavy rains fell on the northern Pacific Coast triggering localized flooding in central California.

Springfield, Ill., shot past its 1913/14 snowfall record on Tuesday; this season's snow reached 49.7 inches, well above the old 43-inch plateau. Alpena, Mich., shivered through its record-setting 58th day below freezing, topping the 1880/81 mark. New low temperature records chilled Erie, Pa., -3°, and Atlantic City again, 11°; Grand Rapids, Mich., at 0°, equalled its low mark.

Heavy thunderstorms continued through Wednesday in Florida and Alabama; more than 2 inches hit Tallahassee. To the north, snow and freezing rain fell; 2 inches of snow covered Washington, D.C., and Philadelphia. Light snow still dusted much of the Nation's midsection and rain persisted on the West Coast; San Francisco got more than an inch.

Rain continued to soak the Southeast quadrant on Thursday with up to an inch and one-half more of rain. Northern California was also under a cloud---San Francisco's total rainfall reached above 2 inches. Snow still fluttered down in the upper reaches of the South while a warming trend visited the North.

Though nearly 10 record low readings chilled the Midwest's morning, temperatures climbed by afternoon. Omaha reached 40° for the first time since December. Alpena, Mich., shrugged off the cold to hit the 50's, something that was only a fond memory of November. Fargo, N. Dak., made it to 40°, the warmest since November 8, 1977. And an oddity of sorts---Lansing, Mich., set a new low of -11° in the morning, 12 degrees below the former record; yet by afternoon, the thermometer

edged up to 33° shooting past freezing for the first time in 59 days.

Friday's precipitation was generally light with some moderate rain along the Atlantic Coast. While portions of Wyoming and Colorado picked up an inch or two of snow, Raleigh/Durham, N.C., and Roanoke, Va., gathered more than an inch of rain. Toward evening, Dover, Del., and Millville, N.J., notched nearly an inch.

The Midwest warming trend melted large amounts of snow threatening overflow in some waterways.

Shreveport, La., broke a 45-year old record as it shivered through a new low temperature of 24°.

After a brief respite, winter returned to the Nation's northern tier when winds and snow blew in from Canada on Saturday. Temperatures dipped by afternoon, and 3 inches of snow covered Dubuque, Iowa, while Baileyville, in northeastern Kansas, gathered 6 inches. Further south, thunderstorms sprinkled some light rain. A low pressure system carried rain to the West Coast; up to two-thirds of an inch dampened some sections. The moisture reached the Plateau Region whitening Flagstaff, Ariz., with 3 inches of snow.

Charleston, W.Va., finally lost its snow cover after 61 consecutive days, overwhelming the former record of 43 days set just last winter.

The West's low pressure system moved through the Plateau Region on Sunday and intensified threatening the Rockies with snow; in north central Arizona, Williams counted 8 inches of snow. Laramie, Wyo., saw 6 inches of snow in 6 hours. Rain fell to the south; Tucson measured a third of an inch. Rain dotted portions of the Atlantic Coast States; Greenville, S.C., recorded one-third inch. Rainfall on the Pacific Coast produced three-quarters inch at Imperial Beach, Calif.



National Agricultural Summary

March 6-12

HIGHLIGHTS: The eastern half of the U. S. again recorded below normal temperatures, although the average departure was considerably less than the previous week. Melting snow was reported in several northern States as the spring thaw got underway. Spring farming activities across the South continued to be hindered by slowly warming soil temperatures. The extreme West Coast, parts of the south central region, and the Southeast received additional moisture limiting land preparation and planting. Growers managed to plant some corn and potatoes. Low soil temperatures in Texas slowed cotton and sorghum germination. Louisiana rice producers started planting. Winter wheat was greening up in Kansas and Oklahoma, accelerating growth in Texas, and jointing in Mississippi. Cattle feedlots and holding pens became muddy as rising temperatures melted snow and thawed soils. Much supplemental feeding of livestock persisted. Cattlemen kept a close watch on calving and lambing progress.

SMALL GRAINS: Less snow covered the northern winter wheat area while Kansas acreage was fully exposed and beginning to green up. Although Kansas wheat was still rated good to excellent, the western third of the State was short of topsoil and subsoil moisture. Oklahoma winter wheat scored good to fair with the crop beginning to green up in all areas. Many growers started fertilizing and spraying for insects. Wheat growth in Texas accelerated as temperatures warmed. Panhandle stands greened and started growth, but dryland acreage still needed rain. Grazing expanded from the Blacklands and eastern areas southward. Winter wheat in Mississippi was 2% jointed compared with 7% a year ago. The crop there and in Louisiana rated poor to fair. Arizona small grains grew well. Irrigated winter wheat in New Mexico scored fair to good while dryland acreage was considered fair. In the eastern north central area, Illinois winter wheat rated mostly good with much of the crop still snow covered.

In the Southeast, winter wheat was mostly fair, with good growth noted in Florida. Topdressing in Georgia was virtually complete in the southwest and east, and 50% complete in the northern and central areas. The first above normal rainfall in South Carolina should improve the small grain outlook.

Flooding continued to plague parts of the southern California crop, yellowing some acreage with some fields possibly lost. Farmers applied fertilizer to winter wheat acreage in Oregon and Washington.

OTHER CROPS: Tobacco plant beds improved in Florida and rated fair to good in Georgia. Tobacco plants shot up to a good stand in South Carolina with little insect damage. Plant sizes varied which was expected to affect transplanting dates. Virginia growers fumigated and seeded tobacco beds in the southeast. Plant bed preparation lagged in Tennessee, but got underway in Kentucky.

Irish potato planting continued active in Alabama and Louisiana. Mississippi growers planted 25% of their acreage, well behind last year's pro-

gress of 40%. North Carolina Irish potatoes were 5% seeded, compared with 25% a year ago. Potato planting was underway in Texas growing areas and in Washington.

Sugarcane harvest neared completion in Florida and the condition of young cane improved. Shaving stubble continued in Louisiana. Texas sugarcane harvest in the lower Rio Grande Valley remained active.

Corn planting progressed at a slower than normal rate. Texas growers reported 4% in the ground, compared with 4% in 1977 and the 14% average. Mississippi acreage was also 4% planted, 7% in 1977 and 6% average. Planting began in Florida, but at a slow rate.

Cotton seeding in the Texas lower Rio Grande Valley and coastal bend surged, but low soil temperatures slowed germination. Texas acreage stood at 1% planted, equal with the 1977 pace and only slightly behind the average of 2% for this date. Planting in California continued. Some of last year's crop remains for harvest in Arizona.

Texas sorghum planting moved into full swing with some early planted fields up in the south. The crop was 9% planted, 8% in 1977, and 18% average.

FRUITS AND NUTS: Florida citrus trees rated excellent with new growth and bloom buds progressing rapidly in all areas. Early and mid-orange harvest slowed. Arizona harvest of grapefruit, lemons, Valencias, and tangerines continued with the lemon harvest nearly complete. Some brown rot was noted in California Navel oranges. Valencia harvest started. Harvest continued for lemons, grapefruit and tangelos. Texas pecan trees remained dormant except in scattered locations in the south where buds were beginning to show. Peach trees in full bloom in the south had very little damage from cold nighttime temperatures last week. Buds swelled throughout the central counties. Deciduous fruit trees were budding in Arizona. The California almond bloom neared completion. Oregon growers pruned orchards.

VEGETABLES: Warm, sunny weather improved Florida vegetables. Growth, quality, fruit set, and size improved. Overall shipments increased 10% from the previous week. Volume held steady or increased for most crops. Shipments of cucumbers, peppers, radishes, squash, and tomatoes decreased. Watermelons rated fair to good. Texas growers harvested cabbage, carrots, lettuce, broccoli, onions, and spinach. Plantings of peppers, onions, tomatoes, and watermelons were active. Harvest of Arizona lettuce and mixed vegetables continued as weather permitted. Rains slowed California planting and harvesting. Producers harvested asparagus, broccoli, cauliflower, carrots, lettuce, and strawberries. Some onions were planted in eastern Oregon.

PASTURES AND LIVESTOCK: Below normal temperatures continued to limit pasture growth in the southern areas requiring supplemental feeding in most of the U. S. Feed supplies remained generally adequate with some local shortages. Calving, lambing, and shearing were very active with up to 50% progress reported. Death rate of the newborn climbed higher than normal in some areas. Many pastures, feedlots, and holding pens were extremely wet and muddy. Livestock condition spanned fair to mostly good.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., March 12, 1978

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 . . .	47	-4	1.4	-.1	LA. Baton Rouge . . .	54	-4	.5	-.7	Youngstown . . .	27	-5	.2	-.5
Mobile . . .	55	-3	2.5	+.9	Lake Charles . . .	53	-5	.1	-.8	OKLA. Okla. City . . .	44	-2	.4	-.0
Montgomery . . .	52	-3	1.3	-.1	New Orleans . . .	60	+1	1.6	+.3	Tulsa . . .	44	-2	.6	+.1
ALASKA Anchorage . . .	30	+8	T	-.1	Shreveport . . .	48	-7	.7	-.2	OREG. Astoria . . .	46	+2	1.3	+.3
Barrow . . .	-5	+12	T	0	MAINE. Caribou . . .	20	-1	T	-.5	Burns . . .	39	+4	.5	+.3
Fairbanks . . .	--	--	--	--	Portland . . .	27	-2	T	-.8	Medford . . .	48	+4	.8	+.4
Juneau . . .	35	+4	.5	-.3	MD. Baltimore . . .	36	-4	.4	-.4	Pendleton . . .	44	+2	.3	+.1
Kodiak . . .	34	+3	1.1	+.2	MASS. Boston . . .	33	-3	T	-.9	Portland . . .	47	+2	.7	-.2
Nome . . .	15	+9	T	-.2	Chatham . . .	32	--	.4	--	Salem . . .	47	+3	.3	-.8
ARIZ. Flagstaff . . .	37	+4	.8	+.4	MICH. Alpena . . .	22	-1	T	-.4	PA. Allentown . . .	31	-4	T	-.8
Phoenix . . .	60	+2	.4	+.2	Detroit . . .	26	-7	.1	-.4	Erie . . .	23	-7	.2	-.4
Tucson . . .	55	-1	.5	+.4	Flint . . .	22	-8	.4	0	Harrisburg . . .	33	-5	.7	-.7
Winslow . . .	46	+3	.1	0	Grand Rapids . . .	23	-7	.3	-.2	Philadelphia . . .	33	-6	.2	-.6
Yuma . . .	62	0	T	-.1	Houghton Lake . . .	21	-2	T	-.4	Pittsburgh . . .	33	-2	.1	-.7
ARK. Fort Smith . . .	44	-4	1.1	+.3	Lansing . . .	19	-11	.2	-.3	Scranton . . .	28	-5	T	-.9
Little Rock . . .	45	-3	.7	-.4	Marquette . . .	29	+4	0	0	R.I. Providence . . .	30	-5	1.1	0
CALIF. Bakersfield . . .	60	+4	.1	-.1	Muskegon . . .	26	-4	.2	-.3	S.C. Charleston . . .	51	-4	2.0	+.9
Eureka . . .	52	+4	1.6	+.4	S. Ste. Marie . . .	22	+1	T	-.4	Columbia . . .	47	-5	.4	+.9
Fresno . . .	57	+4	.7	+.3	MINN. Duluth . . .	23	+8	T	-.4	Greenville . . .	45	-4	2.1	+.9
Los Angeles . . .	59	0	.1	-.4	Internatl Falls . . .	19	+2	T	-.2	S.D. Aberdeen . . .	22	-1	.1	-.1
Red Bluff . . .	57	+5	3.0	+2.4	Minneapolis . . .	26	+1	.1	-.3	Huron . . .	26	+1	.2	0
San Diego . . .	61	+3	2.0	+1.6	Rochester . . .	25	+1	T	-.3	Rapid City . . .	32	+3	T	-.2
San Francisco . . .	54	+1	2.0	+1.4	St. Cloud . . .	25	+3	T	-.3	Sioux Falls . . .	25	-1	T	-.3
Stockton . . .	56	+4	1.2	+.7	MISS. Jackson . . .	50	-4	1.1	-.2	TENN. Chattanooga . . .	48	+1	2.1	+.8
COLO. Denver . . .	43	+8	.2	0	Meridian . . .	47	-7	1.1	-.3	Knoxville . . .	48	0	2.4	+1.3
Grand Junction . . .	43	+4	.3	+.2	MO. Columbia . . .	33	-6	.6	+.1	Knoxville . . .	47	-2	.4	-.7
Pueblo . . .	51	+13	.3	+.2	Kansas City . . .	33	-6	.2	-.3	Memphis . . .	46	0	.7	-.5
CONN. Bridgeport . . .	32	-4	0	-.8	St. Louis . . .	32	-8	2.4	+1.8	Nashville . . .	51	-1	T	-.2
Hartford . . .	30	-3	0	-.8	Springfield . . .	38	-3	.8	+.2	TEX. Abilene . . .	45	+1	T	-.1
D.C. Washington . . .	38	-5	.7	-.1	MONT. Billings . . .	33	+3	.2	0	Amarillo . . .	54	-4	.6	+.2
FLA. Apalachicola . . .	54	-5	2.7	+1.6	Glasgow . . .	33	+1	.1	0	Austin . . .	57	-1	T	-.7
Daytona Beach . . .	59	-4	.5	-.3	Great Falls . . .	20	-3	.1	0	Beaumont . . .	66	0	T	-.2
Ft. Myers . . .	62	-5	2.5	+1.8	Havre . . .	33	+5	.2	0	Brownsville . . .	62	0	T	-.2
Jacksonville . . .	56	-4	.5	-.3	Helena . . .	36	+8	T	-.1	Corpus Christi . . .	66	-1	T	-.3
Key West . . .	71	-3	.5	+.1	Kalispell . . .	31	+3	.2	0	Dallas . . .	60	0	.1	0
Lakeland . . .	62	-3	.9	0	Miles City . . .	30	+3	.1	0	Del Rio . . .	53	0	T	-.1
Miami . . .	67	-3	1.0	+.6	Missoula . . .	36	+5	.4	+.3	El Paso . . .	48	-5	.9	+.4
Orlando . . .	62	-3	.8	0	NEBR. Grand Island . . .	28	-5	.4	+.2	Galveston . . .	55	-4	0	-.6
Tallahassee . . .	53	-6	3.9	+2.5	Lincoln . . .	26	-7	.1	-.2	Houston . . .	55	-4	.4	-.2
Tampa . . .	61	-4	1.6	+.7	Norfolk . . .	28	-2	.2	-.1	Lubbock . . .	50	+3	.1	-.1
W. Palm Beach . . .	67	-2	.8	+.1	N. Platte . . .	30	-2	.2	0	Midland . . .	55	+3	0	-.1
GA. Atlanta . . .	48	-1	1.7	+.4	Omaha . . .	28	-3	.4	+.1	San Angelo . . .	53	-2	.4	+.2
Augusta . . .	48	-5	1.3	+.2	Valentine . . .	30	+2	T	-.1	San Antonio . . .	57	-2	1.0	+.6
Macon . . .	50	-4	2.0	+.8	NEV. Ely . . .	37	+6	.4	+.2	Victoria . . .	59	-1	1.1	+.3
Savannah . . .	52	-4	1.0	0	Las Vegas . . .	56	+3	.1	0	Waco . . .	50	-5	1.9	+1.4
HAWAII. Hilo . . .	74	+3	2.7	-.5	Reno . . .	45	+6	.2	0	Wichita Falls . . .	49	-1	2.6	+2.3
Honolulu . . .	--	--	--	--	Winnemucca . . .	45	+9	.2	0	UTAH. Blanding . . .	42	+5	.2	0
Kahului . . .	--	--	--	--	N.H. Concord . . .	25	-5	.1	-.5	Salt Lake City . . .	45	+7	.2	-.2
Lihue . . .	75	+4	.1	-1.0	N.J. Atlantic City . . .	33	-6	1.2	+.2	VT. Burlington . . .	21	-5	T	-.4
IDAHO. Boise . . .	45	+5	.5	+.3	Trenton . . .	35	-4	T	-.9	VA. Lynchburg . . .	38	-5	1.4	+.6
Lewiston . . .	45	+3	.6	+.4	N. MEX. Albuquerque . . .	48	+4	T	-.1	Norfolk . . .	39	-7	3.0	+2.2
Pocatello . . .	39	+5	.5	+.3	Roswell . . .	54	+7	.2	+.1	Richmond . . .	37	-7	2.3	+1.5
ILL. Cairo . . .	40	-5	1.4	+.3	N.Y. Albany . . .	28	-2	T	-.6	Roanoke . . .	40	-3	2.0	+1.2
Chicago . . .	37	+3	T	-.5	Binghamton . . .	24	-4	T	-.6	WASH. Colville . . .	37	+2	.2	-.1
Moline . . .	29	+3	T	-.5	Buffalo . . .	24	-5	T	-.6	Omak . . .	40	+3	.8	+.6
Peoria . . .	27	-7	.2	-.3	New York . . .	34	-4	0	-.9	Quillayute . . .	42	0	3.0	+.4
Rockford . . .	25	-6	.3	-.2	Rochester . . .	23	-7	T	-.6	Seattle-Tacoma . . .	47	+3	1.4	+.5
Springfield . . .	29	-7	1.1	+.6	Syracuse . . .	24	-6	.1	-.6	Spokane . . .	39	+3	.2	-.2
IND. Evansville . . .	35	-7	1.2	+.1	N.C. Asheville . . .	44	0	2.3	+1.2	Walla Walla . . .	46	+2	.3	0
Ft. Wayne . . .	27	-7	.4	-.4	Charlotte . . .	46	-2	1.5	+.4	Yakima . . .	43	+3	1.1	0
Indianapolis . . .	33	-4	.4	-.4	Greensboro . . .	40	-5	1.9	+1.1	W. Va. Beckley . . .	37	-1	.7	-.2
South Bend . . .	27	-5	.2	-.3	Hatteras . . .	46	-3	.6	-.3	Charleston . . .	40	-2	.6	-.3
IOWA. Burlington . . .	29	-5	T	-.5	Raleigh . . .	43	-4	1.9	+1.1	Huntington . . .	36	-4	.2	-.6
Des Moines . . .	27	-4	.3	-.2	Wilmington . . .	46	-6	.6	-.4	Parkersburg . . .	36	-4	T	-.3
Dubuque . . .	24	-5	.4	-.2	N. DAK. Bismarck . . .	26	+5	.1	0	WIS. Green Bay . . .	22	-6	T	-.4
Sioux City . . .	25	-5	.1	-.2	Fargo . . .	21	+1	T	-.1	La Crosse . . .	25	-2	.1	-.3
KANS. Concordia . . .	33	-3	.2	-.1	Williston . . .	25	+4	T	-.1	Madison . . .	27	-1	.3	-.2
Dodge City . . .	41	+2	T	-.2	OHIO. Akron-Canton . . .	28	-5	.1	-.6	Milwaukee . . .	37	+8	.4	+.2
Goodland . . .	37	+3	T	-.2	Cincinnati . . .	33	-6	.5	-.4	WYO. Casper . . .	38	+8	T	-.2
Topeka . . .	33	-5	.1	-.3	Cleveland . . .	27	-6	.1	-.5	Cheyenne . . .	36	+7	.1	-.1
Wichita . . .	38	-3	.1	-.3	Columbus . . .	30	-6	.6	-.1	Lander . . .	32	+3	T	-.2
KY. Lexington . . .	37	-4	.6	-.5	Dayton . . .	32	-4	.4	-.3	Sheridan . . .	32	+3	T	-.2
Louisville . . .	39	-2	1.0	-.1	Toledo . . .	22	-11	.1	-.4	P.R. San Juan . . .	79	+3	1.9	+1.4

Based on 1941-70 normals

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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 ESCS State offices in cooperation with the National Weather Service.

ALABAMA: Showers followed by warming trend. Temperatures averaged 3° below normal. Rainfall amounts from 1.01 to 5.18 in.

Showers delayed fieldwork. Small grains fair condition. Planting of spring Irish potatoes continued. Pastures provided limited grazing. Supplemental feeding of livestock still necessary. Livestock fair condition.

ARIZONA: Widely scattered showers 6th, mostly fair, mild through mid-week, major winter storms 10th, 12th with rain, snow, colder air. Precipitation over 1.00 in. central basins and mountains. Temperatures near normal.

Fields saturated late week. Some cotton remains. Small grains growing well. Safflower good progress. Sugarbeets good development, alfalfa haying limited, wet fields. Weeds causing serious problems, control impossible. Field preparations other crops delayed. Harvest lettuce, mixed vegetables continued conditions permitting. Later planted vegetables all stages. Cantaloup preparations resumed temporarily. Grapes showing leaves, vine development. Deciduous fruit budding. Harvest grapefruit, lemons, Valencias, tangerines continued. Lemon harvest nearly complete, bloom underway early varieties. Ranges greening up statewide. Stock tanks full, soil moisture excess. Overall conditions good to excellent. Cattle, calves, sheep, lambs good condition.

ARKANSAS: General rains over state early in week. Light snow extreme northern section. Amounts ranged 1.55 in. Hot Springs, 0.34 in. Rowher. Temperatures cold early in week, warming sharply end of week. Extremes: 71 and 15°. Departures from normal ranged -2 to -7°.

Cattle on full feed, fair condition. Some short hay supplies. Field activities very light, especially eastern section. Some nitrogen applied fescue and small grain pastures. Fruit trees being pruned in Clarksville area.

CALIFORNIA: Considerable precipitation all areas. Temperatures above normal.

Crops benefited warm weather, rainfall where flooding, saturation not problem. Some fields lost southern area, excessive moisture. Other low lying fields yellowed. Alfalfa ahead of normal south. Rains halted many field operations. Planting cotton, sugarbeets continued. Some Hass avocados picked. Grape vines pruned, tied, buds swelled. Nectarines full bloom. Peach bloom various stages. Plums, pears, prunes bloomed. Navel orange brown rot, puffiness. Lemons, grapefruit, tangelos harvests continued. Valencia harvest started. Almond bloom neared completion. Vegetable planting and harvest activity slow. Asparagus harvest light, increasing. Broccoli and cauliflower plentiful. Carrot harvest active, but slow. Lettuce complete Imperial Valley, peak Palo Verde. Strawberry harvest light, crop slowed wet conditions. Market tomato planting active. Need warmer weather maximum production. Supplemental feeding still necessary. Stock ponds full. Dairy pens, feed lots wet, muddy. Lambing, calving continue. Bee movement active.

COLORADO: Storms brought additional moisture to mountains and west slope, twelve inches new snow in west central mountains on 6th and brought the first thunderstorm of the season to the eastern

Plains, but little moisture. Skies clear until late 11th. Snow in southwest, central, and northern mountains 12th. Temperatures were above normal. Readings at lower elevations were 4 to 6° above normal and 4 to 8° above normal in mountains.

FLORIDA: Fair to partly cloudy through the 8th with mostly cloudy skies and a few thundershowers ending most areas on 10th. Generally fair to partly cloudy and mild over weekend. Temperatures averaged slightly below normal. Rainfall averaged 1.00 to 3.00 in. statewide.

Soil moisture mostly excessive. Fieldwork limited due to wet soils. Corn planting underway but progress slow. Tobacco plant beds improving. Sugarcane harvest nearing completion. Condition of young cane improving. Small grains making good growth. Pasture conditions poor to fair Panhandle, southern Peninsula, very poor elsewhere. Many pastures excessively wet. Some fertilizer applied, conditions permitting. Some small grain pastures showing new growth. Cattle condition variability poor to good. Citrus trees excellent condition. Moisture adequate to surplus, no serious problems. New growth and bloom buds progressing rapidly all areas. Early and mid orange harvest slowing. Vegetables generally in fair to good condition. Growth, quality, fruit set, size improving, spot resetting light. Overall shipments increased 10% from previous week. Volume steady to increased, most crops, including snap beans, cabbage, carrots, celery, chinese cabbage, sweet corn, eggplant, escarole, strawberries, potatoes, lettuce, okra held steady. Shipments cucumbers, peppers, radishes, squash, tomatoes decreased. Watermelon crop fair to good. Plant recovery, growth good. Planting active central, north areas.

GEORGIA: Temperatures 8 to 10° below normal. Averages ranged from 39° extreme northeast to 52° extreme south. Rain last half of week. Amounts 1.50 to 3.00 in. north portion and 1.00 to 2.00 in. south. Some light rain occurred 11th and 12th.

Soil moisture excessive. Farm activities limited due to wet conditions. Land preparation approximately 25% complete. Some seeding in southwest and east portions. Small grains fair to good condition. Topdressing small grains virtually complete in southwest and east, about 50% complete north and central. Pastures poor north, fair to good elsewhere. Cattle fair condition. Tobacco plants fair to good condition.

HAWAII: Weather favorable. Showers most areas including drought sections.

Crops, pastures showing improvement statewide. Spraying to keep disease, insect damage crops minimal. Progress crops fair to good. Vegetable supplies: cucumbers, green peppers light; others moderate to heavy. Banana supplies light. Papaya supplies moderate. Pineapple harvesting light. Sugar getting active. Pastures improving; showers beneficial.

IDAHO: Temperatures averaged 5° above normal south, near normal north. Precipitation 0.50 in. to 0.75 in. north and southwest, highly variable remainder.

Limited seedbed preparation on lighter soils in southwest. Farm activities mostly limited to marketing, caring for livestock. Recent warm weather causing muddy conditions in feeding areas.

Calving nearing half-way mark. Feed supplies adequate.

ILLINOIS: Temperatures: 2 to 9° below normal, coldest south. Below normal 9th straight week. Precipitation light north, moderate to heavy central and south. Seven to 17 in. snow, southwest and west central sections; record yearly total some areas.

Winter wheat mostly good, much still snow covered. Livestock condition good, feedlots muddy. Soil moisture adequate to surplus.

INDIANA: Cold stormy week. Temperatures averaged 5° below normal and ranged from zero to 56°. Precipitation about 0.20 in. mostly as snow early in period. Later 0.80 in. rain along Ohio River. Snow cover now 1.00 to 7.00 in. central and north after thawing period. Fieldwork nil. Waiting for snow melt. Heavy manure build-up causing problems. Activities: Caring for livestock and chores.

IOWA: Temperatures averaged 4 to 6° below normal. Light precipitation in the form of snow fell over the southwest portion 6th and in scattered areas over the state 10th and 11th. Snow cover decreased the latter part of the week as temperatures moderated somewhat. Snow depths varied from a trace in the extreme southeast to 8 in. in the northeast. In most areas snow depths were in the 2 to 4 in. range with water equivalents of 0.25 to 1.50 in.

KANSAS: Temperatures moderated during week averaging 34° northeast to 42° southwest, 3 to 5° above normal western one-third to near normal southeast, 2 to 4° below normal elsewhere. Precipitation averaged 0.25 in. northeast to less than 0.10 in. elsewhere.

Warming trend end of week. Remaining snow melted, feedlots muddy. Wheat condition unchanged, rated good to excellent. Wheat beginning to green up. Topsoil and subsoil short western one-third adequate elsewhere. Oat seeding 0%, 45% last year, normal 10%. Barley seeding 0%, 40% last year, 10% normal. Cattle receiving supplemental feed. Some nitrogen applied to wheat. Starting irrigation of wheat pre-irrigation of row crops.

KENTUCKY: Precipitation averaged 0.50 to 0.75 in. occurring at midweek and weekend. Temperatures averaged about 1° below normal.

Tobacco farmers are preparing plantbeds. Little or no other spring work. Burley tobacco sales near completion.

LOUISIANA: Temperatures 4 to 6° below normal. Extremes: 24 and 78°. Scattered showers.

Land and equipment preparation and caring for livestock. Fieldwork: 1.9 days suitable. Soil moisture adequate west, surplus elsewhere. Rice and corn planting begun, Irish potato planting active. Shaving sugarcane stubble. Strawberries, vegetables late. Small grains poor to fair condition. Pastures poor. Cattle fair.

MARYLAND & DELAWARE: Temperatures averaged 10° below normal. Highs in 30's, lows in 20's. Western areas cooler. Precipitation was widespread. Amounts varied from 1.00 to 3.00 in. on Eastern Shore to 0.50 in. elsewhere. Weekend mild.

Farmers limited to inside work and winter chores.

MICHIGAN: Temperatures averaged well below normal central and southern Lower and slightly above normal northern Lower and most of Upper. Ranges were from 12° below normal at Lansing to 5° above normal at Houghton. Precipitation light to non-existent except moderate amounts of 0.20 to 0.36 in.

in the narrow east to west strip between Grand Rapids and Flint. All other areas received 0.10 in. or less. Snow depth in southern Lower Michigan ranged from 5 in. at Detroit to 11 in. at Muskegon. Amounts of 8 to 18 in. covered northern Lower and Upper Michigan.

Deep snow slowing tapping of maple trees.

MINNESOTA: Temperatures averaged 1 to 5° above normal except locally as much as 5° below normal extreme south. Precipitation totaled a trace north and from 0.02 to 0.16 in. in the southwest and central. South central and southeast averaged from 0.10 to 0.30 in. Totals were from 0.10 to 0.35 in. below normal across state. Snowfall averaged from trace in north to 1 to 3 in. south. Snow depth more than 20 in. north central and 5 to 15 in. elsewhere over the other northern zones. Southern zones were from 6 to 8 in. except from 8 to 15 in. southeast.

MISSISSIPPI: Temperatures 10 to 15° subnormal. Extremes: 10 and 72°.

Soil moisture surplus. Fieldwork: 1.0 days suitable. Acreage plowed 21%, 40% 1977, 27% average. Irish potatoes 25% planted, 40% 1977. Corn 4% planted, 7% 1977, 6% average. Winter wheat 2% jointing, 6% 1977. Oats 2% jointing, 3% 1977. Winter wheat and oats in poor to fair condition.

MISSOURI: Weather cool and wet throughout week. Temperatures ranged from 12° below normal in Bootheel to 7° below normal in western Ozarks. Snow fell in north and central sections and rain fell in south on 7th and 8th. Heaviest precipitation 1.5 in.

MONTANA: Warmer week between 2 to 8° above normal all except north central divisions. Maximums reached between 40 to 50° all divisions and lowest minimum remained above 0°. Wetter than normal western division, below elsewhere.

Winter wheat condition and snowcover good. Livestock condition fair to good except poor to fair eastern third. Livestock losses higher than normal due to weakened condition caused by long winter. Scours reported in many areas. Calving and lambing 25% complete, shearing 25% complete.

NEBRASKA: Temperatures ranged 5 to 7° above normal west to 5 to 7° below normal east. Most precipitation came early in the week as snow. Spring thaw in.

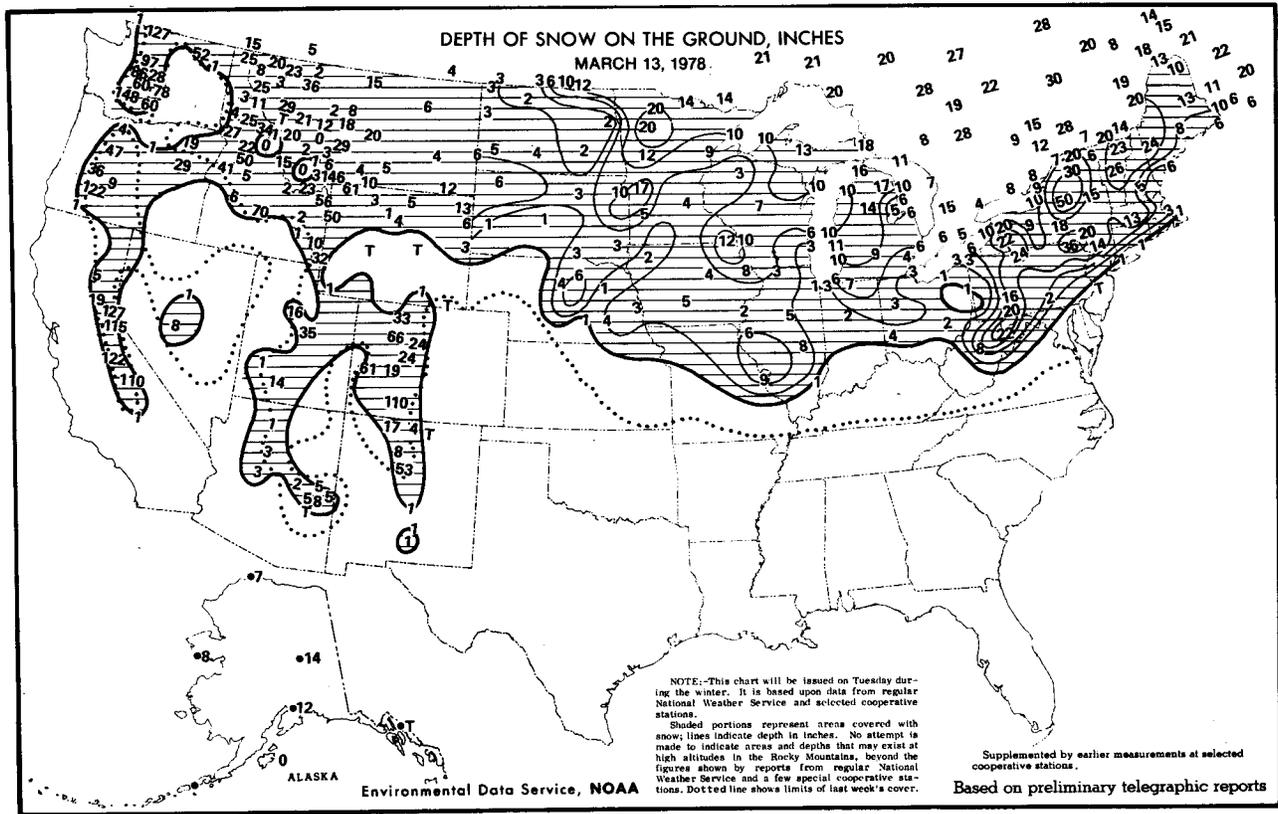
NEVADA: Dry, mild early, cool showery weather remainder. Temperatures mostly 5 to 10° above normal. Extremes: 17 and 70°. Precipitation fairly uniform statewide.

Seedbed preparation underway south. Calving and lambing gaining momentum.

NEW ENGLAND: Temperatures averaged from 5 to 12° below normal 6th-8th. Moderation began on 9th leading to near normal temperatures in most sections 10th and 11th and to temperatures 5 to 10° above normal on 12th. Precipitation was slight occurring as snow flurries 11th giving a few hundredths of an in. to northern sections and traces to the south.

NEW JERSEY: Temperatures 5° below normal. Extremes: 5 and 57°. Precipitation averaged 0 in. north, 0.19 in. central and 1.16 in. south.

Snow covered soils continue over much of state. Early vegetable planting of onions, lettuce, spinach and cabbage is being delayed about 10 days. Water is lying in low areas of many fields in the



south Jersey vegetable area. Routine chores on livestock farms continue.

NEW MEXICO: Light precipitation early in week and again over the weekend. Totals near 0.33 in. most of north and west except almost 0.75 in. Raton. Very light amounts eastern plains and central valley sections.

Dryland winter wheat, fair. Irrigated winter wheat and winter barley, fair to good. Planting of irrigated spring barley 60% completed. Lettuce and onions in Mesilla Valley, good. Alfalfa showing near growth in southern counties. Ranges fair with supplemental feeding in most areas. Cattle, good with 40% calving. Sheep, good with 50% ewes lambed and 30% sheep shorn.

NEW YORK: Cold at beginning; mild at end. Precipitation under 0.10 in. Thawing late in week, but snow depths still restricting outdoor work.

NORTH CAROLINA: Temperature well below normal. Precipitation above normal.

Fieldwork: 1 day suitable. Soil moisture mostly surplus. Condition small grains fair; pastures poor to fair. Hay and roughage short to adequate; feed grains short to mostly adequate. Irish potatoes 5% planted, 1977 25%.

NORTH DAKOTA: Temperatures started cold then warmed considerably. By weekend thawing temperatures had spread over whole state. Extremes: -24 to 48°. Precipitation was light except in the southwest.

Calving and lambing progressing. Warmer temperatures are welcomed by herdsmen during this critical time.

OHIO: Temperatures below normal, moderating trend. Daytime highs were above freezing nearly every day

in the extreme south and over the entire state from the 9th to 12th. Extremes: 59 and 4°. Total precipitation 0.50 in. central and southwest to 0.10 in. or less north. Snow depth at regular reporting points was 4.00 in. or less at end of week. Water standing in some fields in southern half state as ice, snow blocking natural drainage.

Farm activities primarily feeding of livestock and farm chores.

OKLAHOMA: Temperatures continued below normal ranging from 7° below normal north central to 2° below normal Panhandle. Precipitation fell all divisions ranging from trace Panhandle to 1.47 in. southeast.

Topsoil and subsoil moisture supplies adequate. Wheat rated good to fair, crop is beginning to green up all areas. Many have begun fertilizing and spraying for insects. Ground breaking for row crops has begun. Preparations for planting spring-seeded oats and barley underway. Cattle rated fair to good. Spring calving continues. Native pastures and ranges fair condition.

OREGON: Rainfall amounts were generally under 1.00 in. across west except for well over 3.00 in. along southern coast. Precipitation in east ranged from 0.05 in. to nearly 1.50 in. along the southern border. Temperatures averaged above normal except in the Columbia River Basin east of the Cascades where temperatures were below normal. Extremes: mid 60's, low 30's west; low 60's, mid 20's east.

Soil moisture supply is adequate. Spring land preparation underway. Fertilizing fall grain fields. Most grain fields look good. Field peas suffering from wet weather. Some snow mold in crimson clover. Pruning berries and orchards. Few onions planted in east. Livestock in good condition. Feeding is locally heavy, supplies are good.

PENNSYLVANIA: Cold early, moderating later. Temperatures still averaged 4 to 8° below normal. Extremes: -12 and 54°. Sixth consecutive dry week as most amounts less than 0.10 in. except in extreme southeast and northwest where slightly greater. Snow depths decreased somewhat but still averaging 6.00 in. south to 18.00 north. Normal winter chores.

PUERTO RICO: Island average rainfall 2.13 in. Highest weekly total 9.14 in. at Luquillo Mountains. Temperatures averaged 77° on coasts and 72° interior. Extremes: 91 and 58°.

SOUTH CAROLINA: Temperatures averaged considerably below normal, but trended higher over weekend. Extremes: 14 and 71°. First above normal rainfall in several weeks.

Rainfall beneficial to pastures, small grains, but slowed land preparation for spring planting, pre-plant multipurpose soil pesticide and herbicide application. Tobacco plants up to a good stand, little insect damage; size, transplant date varies. Harvesting greens, cabbage.

SOUTH DAKOTA: Temperatures warmer, 2 below to 5° above normal. Extremes: -4 and 56°. Precipitation general over state, most areas received 0.10 in. or less.

TENNESSEE: Cloudy much of week with rain or drizzle. Weak stationary front on 7th and 8th brought heavy rains. Amounts averaged 0.75 in. west and middle to 2.00 in. east. Temperatures averaged 1 to 4° below normal west--normal to 3° above normal east.

Very little fieldwork has been done. Equipment ready when fields dry out. Tobacco plant bed preparation and vegetable planting behind schedule. General farm chores main activity.

TEXAS: Temperatures 2 to 4° above normal Trans-Pecos, south; near normal elsewhere. Rainfall below normal Panhandle; normal Trans-Pecos, south, Gulf Coast; above normal elsewhere. Soil temperatures southern areas ranged from upper 50's to low 70's.

Planting active southern areas. Land preparations, fertilizer application active Panhandle, but delayed Cross-Timbers eastward by rain. Cotton planting very active lower Rio Grande Valley, Coastal Bend, but cool soil temperatures slowed germination. Sorghum planting in full swing lower Valley, Coastal Bend, south. Germination slow due to low soil temperature, but some early planted fields up in south. Corn planting active from lower Valley north to lower Blacklands. Some fields planted upper coast but cool, wet soils slowing progress. Wheat growth accelerating. Stands Panhandle green, beginning to grow in response to milder weather but dryland fields still need rain. Growth from Blacklands, east Texas southward improving; many fields now being grazed. Oat stands improving. Stands Cross-Timbers received moisture but rain spotty Edwards Plateau. Stands from the Blacklands southward furnishing fair to good grazing. Flax growth slow; moisture needed. Some fields south beginning to bloom. Sugarcane harvest continues active in lower Rio Grande Valley. Sorghum planted 9%, 8% 1977, 18% average. Cotton planted 1%, 1% 1977, 2% average. Corn planted 4%, 4% 1977, 14% average. Lower Rio Grande Valley cabbage, carrot, lettuce, broccoli, onion, citrus harvest active. Coastal Bend watermelon planting continued. San Antonio-Winter Garden area movement cabbage and carrots continued, spinach harvest near completion. Warmer temperatures prompted onion and carrot development,

caused spinach quality to decline. Watermelon planting active. Laredo supplies of spinach and cabbage available. Upper Gulf Coast planting of potatoes, peppers, onions, tomatoes, watermelons active. East Texas planting active in better drained areas. North Texas potato and onion planting continued. Central Texas land preparation and planting active as fields dried. High Plains onion and potato planting active. Pecan trees dormant except in scattered locations in south where buds are beginning to show. Peach trees in south in bloom, very little damage from cold nighttime temperatures. Buds swelling on trees throughout central counties.

Native pastures, range land began growth but presently furnishing little grazing. Small grains providing some grazing where moisture adequate but many close-grazed stands need more time to recover. Livestock generally fair condition with supplemental feeding continuing most areas.

UTAH: Scattered areas rain in valleys, snow in mountains northwest portion early in period spreading over most of state latter part of week. Accumulated amounts of moisture generally moderate to heavy. Average temperatures continued much above normal many localities ranging from near normal to 7°.

Many areas wet and muddy from rain and melting snow. Livestock on ranges in good condition. Some spring calving and farm flock early lambing in progress.

VIRGINIA: Temperatures 12° below normal. Extremes: 63 and 10°. Precipitation heavy, averaging about 1.50 in. Topsoil moisture adequate to surplus.

Pastures, winter grains fair. Farmers almost two weeks behind usual progress. Days suitable for fieldwork: 0.1. Above average losses of newborn. Feed nearing critically low levels north, northwest, central sections, short to adequate elsewhere. Rain, snow limiting pasture forage.

WASHINGTON: West: Temperatures averaged 3° above normal. Precipitation near normal except 0.30 in. below San Juans, 1.00 in. below coastal, and 0.80 in. below east Cascades foothills.

Forced rhubarb and daffodil harvest near completion; tulip harvest to begin soon. Radishes and lettuce planting has started. Fertilizer being applied to pastures, seed cabbage and winter wheat.

East: Temperatures averaged 1° above normal except 4° above northeast and 2° below normal central basin. Precipitation averaged near normal.

Ranges and pastures starting to green. Mint, spring wheat, and early potatoes planting beginning. Fertilizer and herbicide application continue. Grape pruning nears completion, fruit tree pruning on schedule.

WEST VIRGINIA: Temperatures below normal statewide. Precipitation below normal.

Limited fieldwork, ground, snow covered, too wet elsewhere. Hay supply short, grain and other supplies mostly adequate.

WISCONSIN: Temperatures moderated to above normal by weekend. Highs in teens and 20's beginning week, 30's and mid 40's end of week. Lows sub-zero 5th but 20's and 30's 11th-12th. Extremes: -10 to 45°. Precipitation light, mainly limited to 0.10 in. south late 10th and early 11th. Snow cover reduced. Some bare ground now showing. Frost depths changed little. Averaging 17 in.

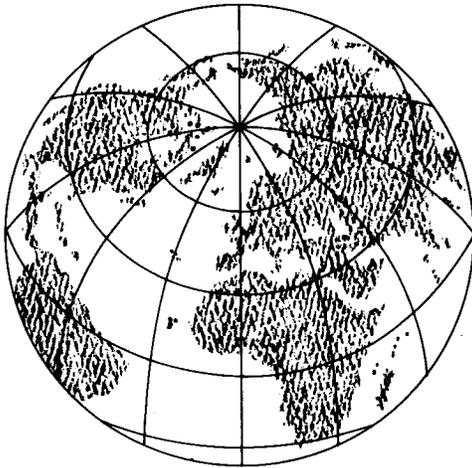
WYOMING: Temperatures above normal. Precipitation generally below normal with very few exceptions.

Winter wheat fair to good condition. More than average snow cover improved moisture conditions most areas. Livestock generally good condition.

Snow cover necessitated heavier than normal feeding. Hay supplies dwindled considerably many ranches--however, most areas have adequate supplies at this time. Early calving and lambing continues. Snowy, cold weather resulted in some death loss of young livestock.

World Weather and Crop Update

March 6 - 12



USSR. Spring continued to push northward over the winter grain areas of European USSR with daytime temperatures going above the freezing mark over widespread areas. Snow cover declined over most of European USSR and completely melted in the southern regions, including most of the Ukraine and the Lower Volga. Fieldwork continued to increase with some sowing of early summer crops already underway in the more southerly regions.

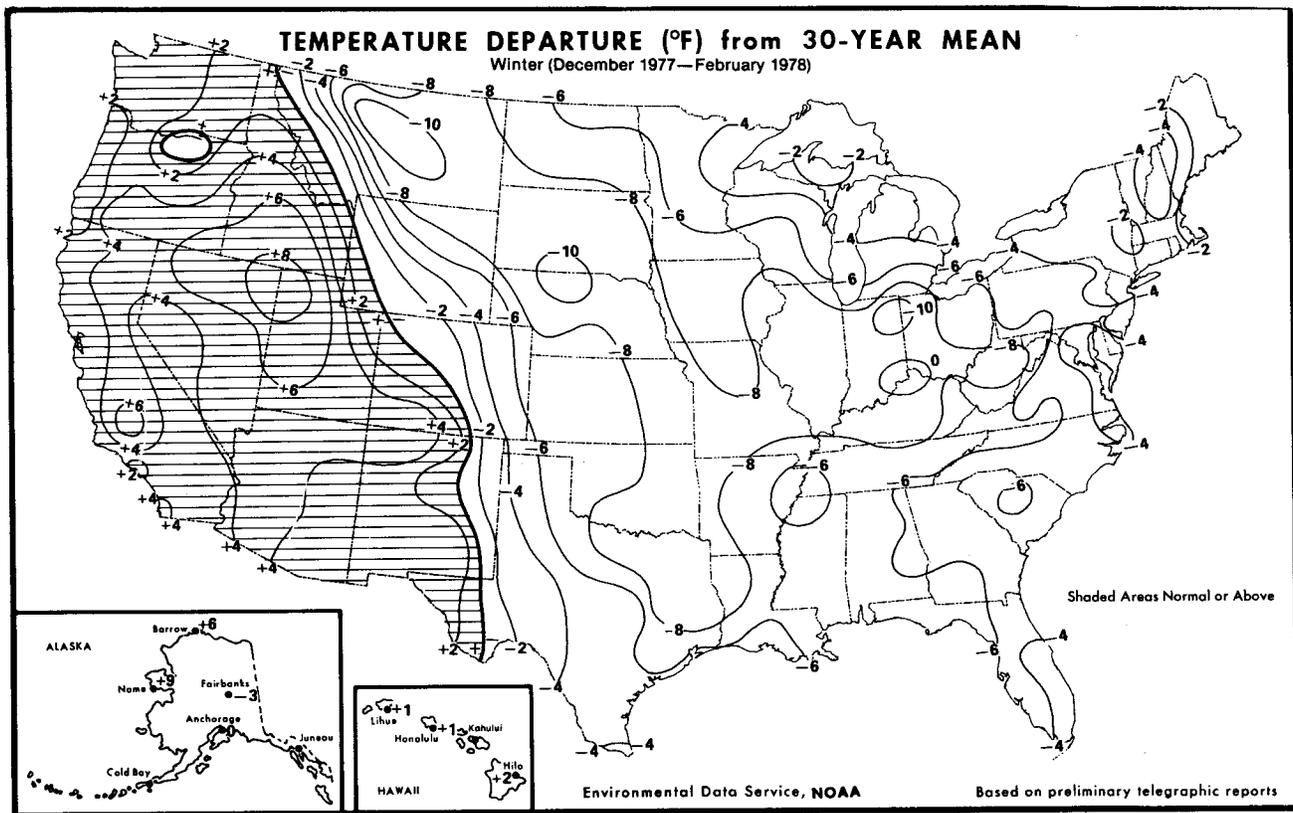
ASIA. Winter grains throughout China's northern wheat belt received significant precipitation. Heavy rains in the rice-growing areas of the south greatly improved water supplies which soon will be needed for transplanting the rice seedlings. India's main wheat regions in the north received light to heavy showers, but the rest of India was seasonally dry.

AUSTRALIA. Rainfall was scanty over the principal grain areas. Non-irrigated crops and pastures in the southeast and South Australia required moisture because of very light precipitation in recent weeks.

AFRICA. Scattered light to moderate showers covered the principal grain areas in North Africa. Early rains greatly improved the moisture situation in Algeria and Tunisia, but more rain was needed in these countries to prevent deterioration of winter grains and promote optimum sowing condition for spring crops. Growing conditions continued favorable in South Africa as moderate to heavy showers fell throughout the maize triangle.

EUROPE. Mild weather prevailed over the European subcontinent. Precipitation fell lightly permitting fieldwork in some areas. Eastern Europe also enjoyed mild weather with only light amounts of moisture. Light precipitation and mild temperatures prevailed in the main winter wheat areas of Turkey.

SOUTH AMERICA. Weekend showers and thunderstorms dotted most of Argentina's main grain areas with 15 mm to 25 mm. Locally heavy amounts drenched most areas. Corn and soybean harvests got underway in Brazil; most of the important sections received some precipitation which will help late varieties. A serious drought in the principal growing areas of northern Peru hurt the rice crop, especially in the La Libertad and Lambayeque departments. The drought is particularly damaging because it occurred at the time of transplanting and reduced rice acreage.



Winter Weather Review

HIGHLIGHTS: Another severe winter has gone into the record books. The area east of the Rocky Mountains reported colder-than-normal readings while the West called in warmer-than-expected temperatures. Many records for rain, snow, temperature, and storminess were broken. The average temperature for the three-month period was as much as 11 degrees colder than normal in the East and 6 to 8 degrees warmer in the West. Two streams of weather marked the winter pattern. Arctic air from Canada swept southward keeping the East very cold while, at the same time, moist maritime air from the Pacific surged eastward bringing heavy rain---snow in the mountains---and warm weather to the West.

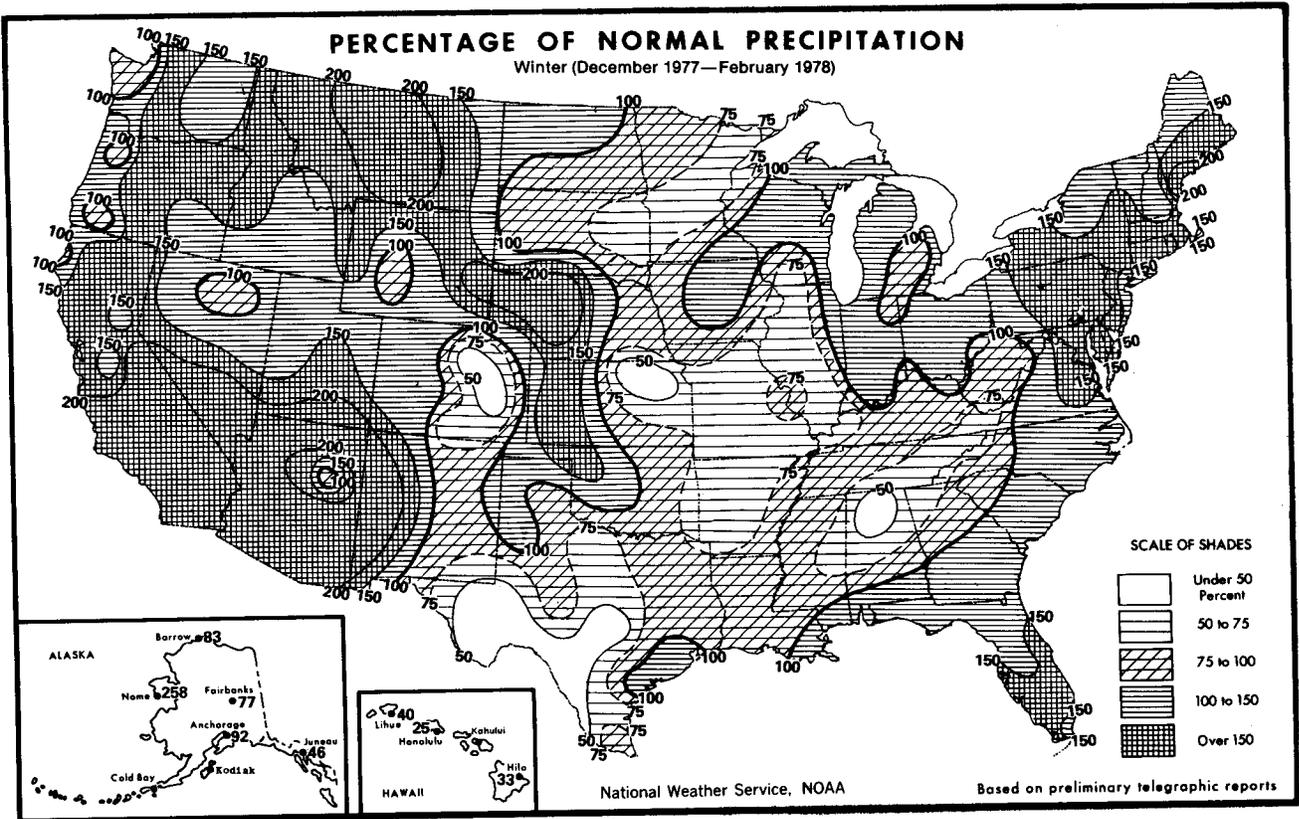
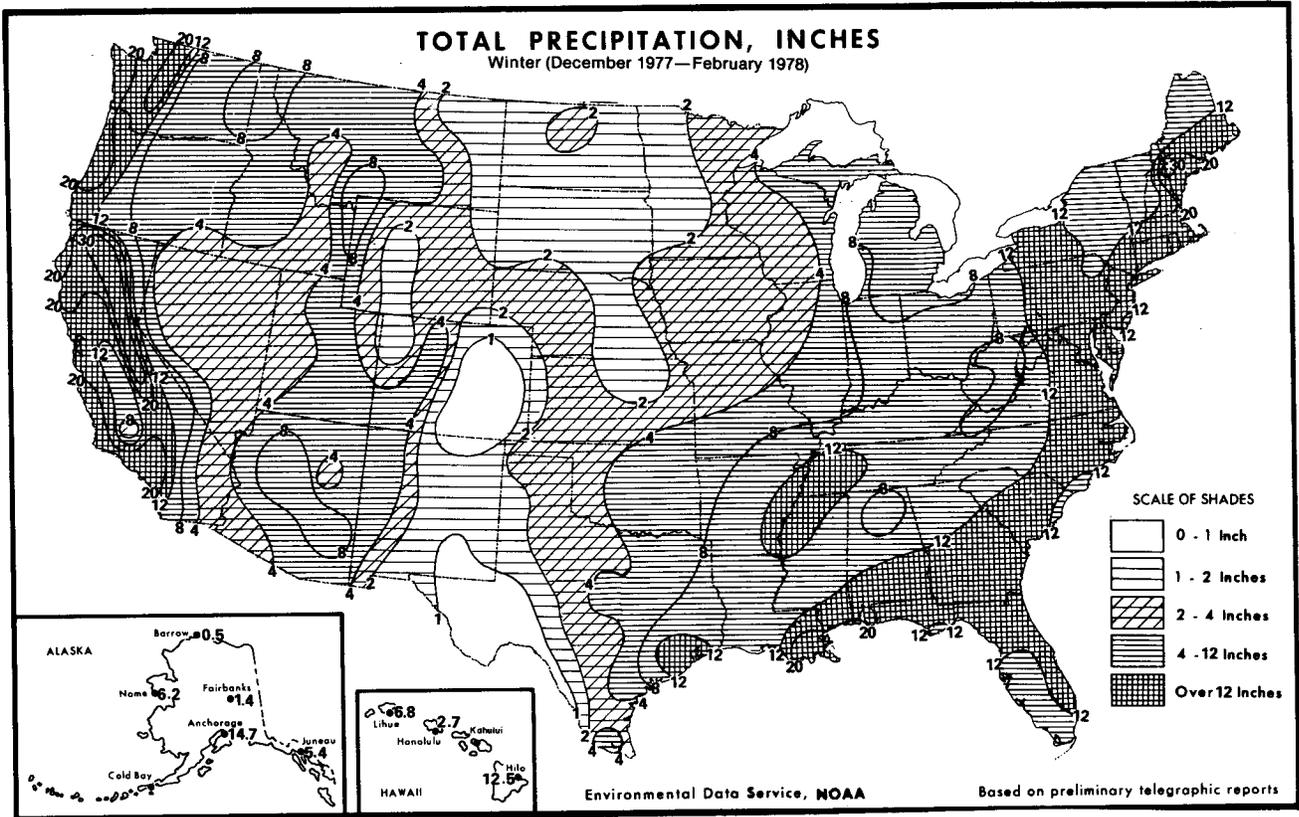
The first winter month, December, brought normal or better precipitation to the drought-stricken western U.S. Some areas in the Sierra Nevada mountains had snow which equaled over 12 inches of water when melted. The significant precipitation missed most of Utah and the Southwest except California. The Colorado Rockies piled up some snow but the dry eastern portion of the State remained dry. Elsewhere, the southern Plains and most of the South had less than normal rain, but precipitation in the northern Plains, the Lakes area and eastern U.S. was heavy. The snow cover line crept southward in the Appalachians and included all of West Virginia.

December temperatures averaged a little colder than normal in most of the East, but were well above normal in the West. Freezing temperatures reached well into the South and extended to the Orlando area in Florida by the end of the month.

The midwinter month of January was severely cold. From the western slopes of the Rockies to the East Coast, average temperatures for the month were colder than normal, 12 to 14 degrees colder

in much of the Plains and Midwest. Almost continuous surges of cold air from central Canada kept the eastern portion of the Nation shivering. Freezing temperatures again reached into Florida and below zero readings dropped into Kansas. During the same period, another branch of the weather stream was bringing warm, moist air into the central West Coast causing heavy amounts of rain---snow at higher elevations---and warm air into the area west of the Rockies. Temperatures and precipitation averaged well above normal---as much as three times normal in many areas. Much of the Plains had less than expected amounts of precipitation for the month, but from East Texas to the Great Lakes and eastward, precipitation was well above normal. Snow cover in the East reached southward into North Carolina, Tennessee, and Arkansas.

February continued the harsh winter. Again the East was colder than normal and the West warmer. For many areas, it was the coldest February of record. The northern and central Plains were even colder than last year's record breaker. The average temperature for the month was 12 to 15 degrees colder than normal in the Great Plains, as much as 17 degrees colder in the Midwest, and down 10 degrees in Florida. The same pattern that had marked the previous winter months continued throughout February. Cold arctic air plunged southward from central Canada to keep the East cold, and warm, moist maritime air surged eastward through southern California. Precipitation was heavy in the West and above normal in the western Plains. Much of the heavy rain in California was accompanied by high winds and flooding which caused considerable crop damage. Florida also recorded heavy rain while the rest of eastern U.S. had less than normal precipitation---mostly in the form of snow.

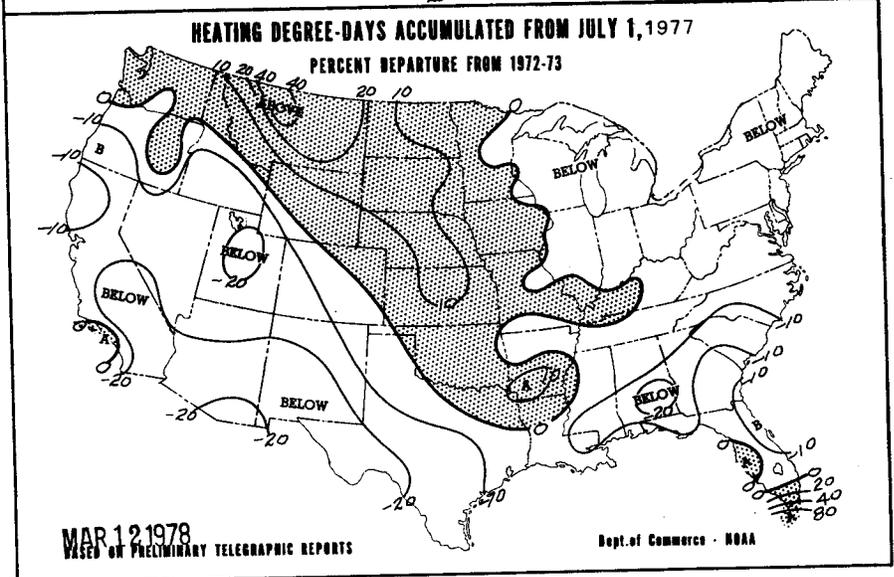
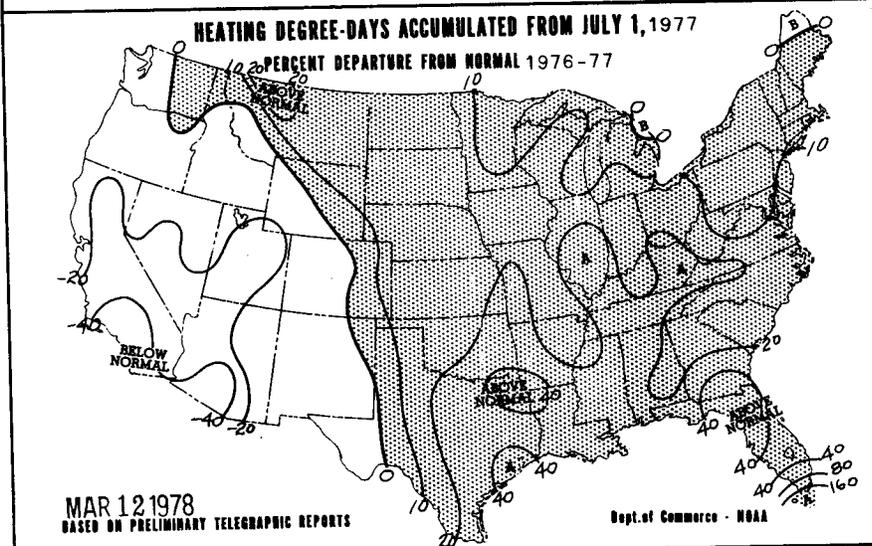
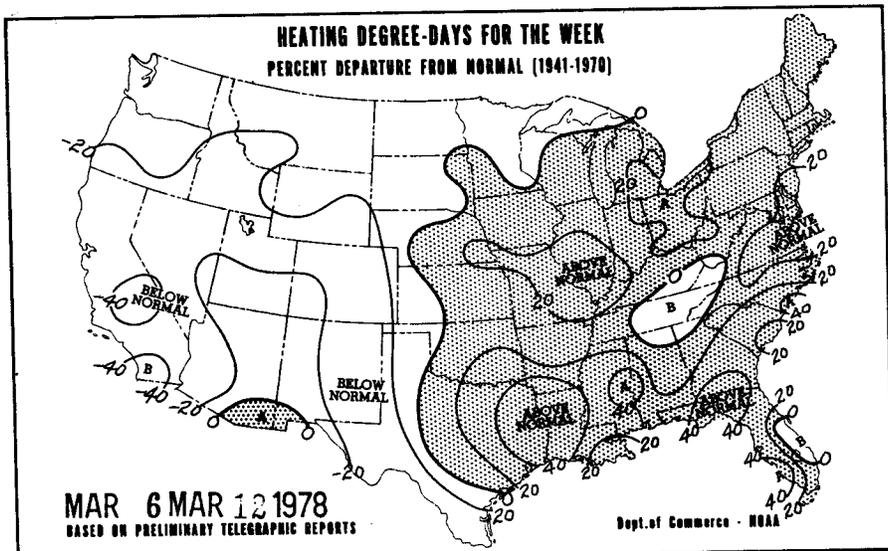


WATER SUPPLY OUTLOOK FOR THE WESTERN UNITED STATES
Issued as of March 1, 1978

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, 1978, for the Missouri, Yellowstone, and North Platte Basins; November 1, 1977 to June 30, 1978 for the Little Colorado Basins; and January 1 to June 30, 1978, for the Gila Basin. The publication "Water Supply Outlook for the Western United States," issued as of March 1, 1978, 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	64,600	94
Columbia	The Dalles, OR	103,000	98
Snake	Lower Granite, WA	24,700	111
Sacramento	Red Bluff, CA	11,500	129
San Joaquin	Big Creek, CA	1,850	142
Weber	Gateway, UT	365	108
Jordan	Utah Lake, UT	369	114
Truckee	L. Tahoe-Farad	360	112
Colorado	L. Powell infl.	10,370	124
Green	Green River, UT	4,470	133
San Juan	Bluff, UT	1,270	113
Little Colo.	Woodruff, AZ	10.1	117
Gila	Solomon, AZ	189	185
Rio Grande	San Marcial, NM	300	90
Arkansas	Pueblo, CO	287	107
Missouri	Ft. Peck, MT	5,680	120
Yellowstone	Sidney, MT	8,400	120
North Platte	Glendo, WY	1,010	122

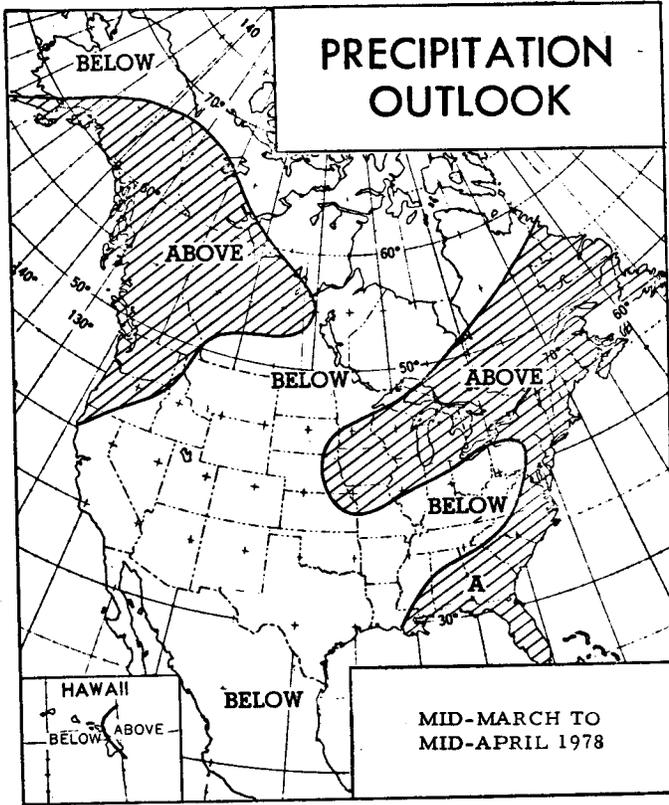
Office of Hydrology
National Weather Service



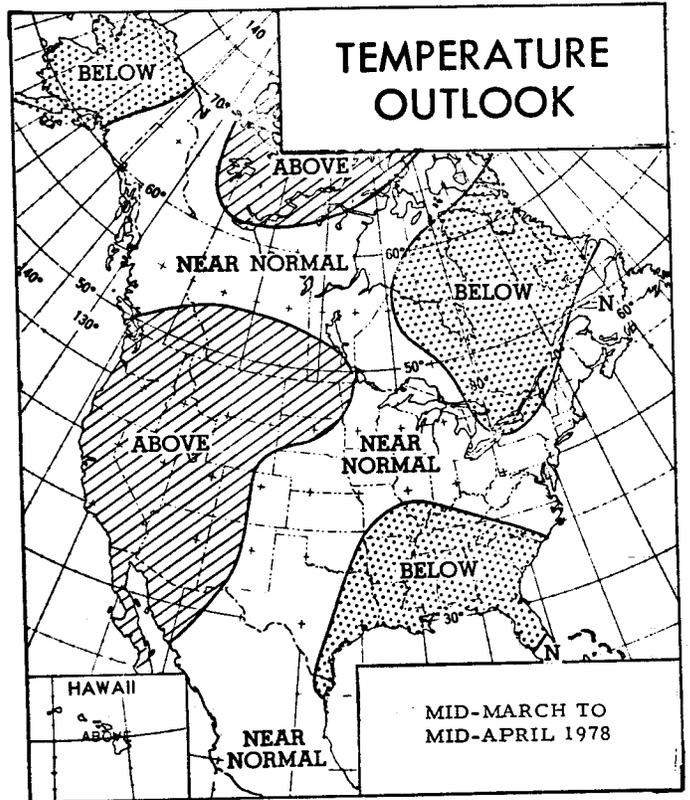
HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING MAR. 12, 1978.

STATES AND STATIONS	WEEKLY		SEASONAL ACCUMULATION *			STATES AND STATIONS	WEEKLY		SEASONAL ACCUMULATION *			STATES AND STATIONS	WEEKLY		SEASONAL ACCUMULATION *		
	TOTAL	DEPARTURE*	TOTAL	DEPARTURE*	DEPARTURE FROM 1976-77		TOTAL	DEPARTURE*	TOTAL	DEPARTURE*	DEPARTURE FROM 1976-77		TOTAL	DEPARTURE*	TOTAL	DEPARTURE*	DEPARTURE FROM 1976-77
ALA. BIRMINGHAM.....	122	140	309	59	204	MAINE CARIBOU.....	50	15	7301	100	756	YOUNGSTOWN.....	267	39	5646	556	576
MOBILE.....	124	140	309	59	204	PORTLAND.....	26	15	5978	225	407	OKLA. OKLAHOMA CITY.....	144	10	3784	596	224
HUNTSVILLE.....	124	140	309	59	204	MD. BALTIMORE.....	201	28	4201	304	212	TULSA.....	144	10	3863	675	186
MT. GORE.....	124	140	309	59	204	MASS. BOSTON.....	226	21	4472	62	275	OREG. ASTORIA.....	134	13	3556	187	166
ARIZ. FLAGSTAFF.....	137	37	440	38	68	MICH. ALPENA.....	97	4	6407	440	440	BURNS.....	134	13	3556	187	166
PHOENIX.....	137	37	440	38	68	DETROIT.....	97	4	6407	440	440	REDFORD.....	134	13	3556	187	166
TUCSON.....	137	37	440	38	68	FLA. MIAMI.....	97	4	6407	440	440	PENDLETON.....	134	13	3556	187	166
TUSCON.....	137	37	440	38	68	GRAND RAPIDS.....	97	4	6407	440	440	PORTLAND.....	134	13	3556	187	166
YUMA.....	137	37	440	38	68	HOUGHTON LAKE.....	97	4	6407	440	440	SALEM.....	134	13	3556	187	166
ARK. FORT SMITH.....	142	22	448	71	193	LANSING.....	97	4	6407	440	440	PA. ALLENTOWN.....	134	13	3556	187	166
LITTLE ROCK.....	142	22	448	71	193	MARQUETTE.....	97	4	6407	440	440	ERIE.....	134	13	3556	187	166
CALIF. BAKERSFIELD.....	142	22	448	71	193	MUSKEGON.....	97	4	6407	440	440	HARRISBURG.....	134	13	3556	187	166
EUREKA.....	142	22	448	71	193	S. STE. MARIE.....	97	4	6407	440	440	PHILADELPHIA.....	134	13	3556	187	166
FRESNO.....	142	22	448	71	193	MINN. DULUTH.....	97	4	6407	440	440	PITTSBURGH.....	134	13	3556	187	166
LOS ANGELES.....	142	22	448	71	193	INTERNATIONAL FALLS.....	97	4	6407	440	440	SCRANTON.....	134	13	3556	187	166
RED BLUFF.....	142	22	448	71	193	ROCHESTER.....	97	4	6407	440	440	R. I. PROVIDENCE.....	134	13	3556	187	166
SAN DIEGO.....	142	22	448	71	193	ST. CLOUD.....	97	4	6407	440	440	S. C. CHARLESTON.....	134	13	3556	187	166
SAN FRANCISCO.....	142	22	448	71	193	MISS. JACKSON.....	97	4	6407	440	440	COLUMBIA.....	134	13	3556	187	166
STOCKTON.....	142	22	448	71	193	MERIDIAN.....	97	4	6407	440	440	GREENVILLE.....	134	13	3556	187	166
COLO. DENVER.....	145	5	453	114	19	MO. COLUMBIA.....	223	39	4975	74	345	S. DAK. ABERDEEN.....	134	13	3556	187	166
GRAND JUNCTION.....	145	5	453	114	19	KANSAS CITY.....	223	39	4975	74	345	HURON.....	134	13	3556	187	166
WUELO.....	145	5	453	114	19	ST. LOUIS.....	223	39	4975	74	345	RAPID CITY.....	134	13	3556	187	166
CONN. BRIDGEPORT.....	148	18	449	260	172	SPRINGFIELD.....	223	39	4975	74	345	SIOUX FALLS.....	134	13	3556	187	166
HARTFORD.....	148	18	449	260	172	MONT. BILLINGS.....	220	22	6621	101	1452	TENN. CHATTANOOGA.....	116	9	3531	48	294
DEL. WILMINGTON.....	229	48	4568	543	123	GLASGOW.....	220	22	6621	101	1452	KNOXVILLE.....	116	9	3531	48	294
D. C. WASHINGTON.....	183	27	3729	194	259	GREAT FALLS.....	220	22	6621	101	1452	MEMPHIS.....	116	9	3531	48	294
FLA. APALACHICOLA.....	7	25	1718	474	198	HAVRE.....	220	22	6621	101	1452	NASHVILLE.....	116	9	3531	48	294
DAYTONA BEACH.....	7	25	1718	474	198	HELENA.....	220	22	6621	101	1452	TEXAS. ABILENE.....	98	2	2768	46	224
FORT MYERS.....	7	25	1718	474	198	KALISPELL.....	220	22	6621	101	1452	AMARILLO.....	98	2	2768	46	224
JACKSONVILLE.....	7	25	1718	474	198	MILES CITY.....	220	22	6621	101	1452	AUSTIN.....	98	2	2768	46	224
KEY WEST.....	7	25	1718	474	198	MISSOULA.....	220	22	6621	101	1452	BEAUMONT.....	98	2	2768	46	224
LAKELAND.....	7	25	1718	474	198	NEBR. GRAND ISLAND.....	59	33	5935	720	587	BONNIEVILLE.....	98	2	2768	46	224
MIAMI.....	7	25	1718	474	198	LINCOLN.....	59	33	5935	720	587	CORPUS CHRISTI.....	98	2	2768	46	224
ORLANDO.....	7	25	1718	474	198	NORFOLK.....	59	33	5935	720	587	DEL RIO.....	98	2	2768	46	224
TALLAHASSEE.....	7	25	1718	474	198	NORTH PLATTE.....	59	33	5935	720	587	EL PASO.....	98	2	2768	46	224
TAMPA.....	7	25	1718	474	198	OMAHA.....	59	33	5935	720	587	FORT WORTH.....	98	2	2768	46	224
NEST PALM BEACH.....	7	25	1718	474	198	VALENTINE.....	59	33	5935	720	587	GALVESTON.....	98	2	2768	46	224
GA. ATLANTA.....	118	3	3131	447	465	NEV. ELV.....	49	4	505	748	689	HOUSTON.....	98	2	2768	46	224
AUGUSTA.....	118	3	3131	447	465	LAS VEGAS.....	49	4	505	748	689	LUBBOCK.....	98	2	2768	46	224
MACON.....	118	3	3131	447	465	WINNEBUCCA.....	49	4	505	748	689	MIDLAND.....	98	2	2768	46	224
SAVANNAH.....	118	3	3131	447	465	N. H. CONCORD.....	89	31	6439	653	307	SAN ANGELO.....	98	2	2768	46	224
IDAHO. BOISE.....	138	40	4009	563	927	N. J. ATLANTIC CITY.....	225	41	4361	372	525	SAN ANTONIO.....	98	2	2768	46	224
LEXINGTON.....	138	40	4009	563	927	TRENTON.....	225	41	4361	372	525	VICTORIA.....	98	2	2768	46	224
POCATELLO.....	138	40	4009	563	927	N. MEX. ALBUQUERQUE.....	15	33	3283	327	883	WACO.....	98	2	2768	46	224
ILL. CAIRO.....	195	53	4371	1049	242	ROSWELL.....	73	52	2590	634	628	UTAH. SALT LAKE CITY.....	137	55	3689	1042	904
CHICAGO.....	195	53	4371	1049	242	N. Y. ALBANY.....	46	16	5700	103	288	VT. BURLINGTON.....	305	31	6585	394	127
HOLINE.....	195	53	4371	1049	242	BINGHAMTON.....	46	16	5700	103	288	VA. LYNCHBURG.....	186	32	4076	520	263
PEORIA.....	195	53	4371	1049	242	BUFFALO.....	46	16	5700	103	288	NORFOLK.....	178	42	3824	317	127
ROCKFORD.....	195	53	4371	1049	242	NEW YORK.....	46	16	5700	103	288	RICHMOND.....	178	42	3824	317	127
SPRINGFIELD.....	195	53	4371	1049	242	ROCHESTER.....	46	16	5700	103	288	ROANOKE.....	178	42	3824	317	127
IND. EVANSVILLE.....	207	40	4768	860	75	SYRACUSE.....	46	16	5700	103	288	WASH. QUELLAYUTE.....	44	17	4104	109	249
FORT WAYNE.....	207	40	4768	860	75	N. C. ASHEVILLE.....	150	1	4003	488	322	SEATTLE-TACOMA.....	44	17	4104	109	249
INDIANAPOLIS.....	207	40	4768	860	75	CHARLOTTE.....	150	1	4003	488	322	SPOKANE.....	44	17	4104	109	249
SOUTH BEND.....	207	40	4768	860	75	GREENSBORO.....	150	1	4003	488	322	HALLA HALLA.....	44	17	4104	109	249
IOWA. BURLINGTON.....	242	24	5933	874	28	HATTERAS.....	150	1	4003	488	322	W. VA. BECKLEY.....	90	11	5089	576	431
DES MOINES.....	242	24	5933	874	28	WILMINGTON.....	150	1	4003	488	322	CHARLESTON.....	90	11	5089	576	431
DUBUQUE.....	242	24	5933	874	28	N. DAK. BISHARCK.....	370	36	8006	783	756	HUNTINGTON.....	90	11	5089	576	431
STOUC CITY.....	242	24	5933	874	28	FARGO.....	370	36	8006	783	756	PARKERSBURG.....	90	11	5089	576	431
KANS. CONCORDIA.....	225	25	5393	775	513	HILLISTON.....	370	36	8006	783	756	WIS. GREEN BAY.....	114	36	6927	533	451
DODGE CITY.....	225	25	5393	775	513	OHIO. AKRON-CANTON.....	260	39	5117	659	374	LACROSSE.....	114	36	6927	533	451
GOODLAND.....	225	25	5393	775	513	CINCINNATI.....	260	39	5117	659	374	MADISON.....	114	36	6927	533	451
TOPEKA.....	225	25	5393	775	513	CLEVELAND.....	260	39	5117	659	374	WILAUKEE.....	114	36	6927	533	451
WICHITA.....	225	25	5393	775	513	COLUMBUS.....	260	39	5117	659	374	WYO. CASPER.....	114	36	6927	533	451
KY. LEXINGTON.....	196	26	4718	777	202	DAYTON.....	260	39	5117	659	374	CHEYENNE.....	114	36	6927	533	451
LOUISVILLE.....	196	26	4718	777	202	TOLEDO.....	260	39	5117	659	374	LANDER.....	114	36	6927	533	451
LA. BATON ROUGE.....	75	17	1906	373	237	LA. BATON ROUGE.....	75	17	1906	373	237	SHERIDAN.....	114	36	6927	533	451
LAKE CHARLES.....	80	26	1908	538	87	LAKE CHARLES.....	80	26	1908	538	87	LAKE CHARLES.....	80	26	1908	538	87
NEW ORLEANS.....	60	19	1795	453	180	NEW ORLEANS.....	60	19	1795	453	180	NEW ORLEANS.....	60	19	1795	453	180
SHREVEPORT.....	119	42	2793	849	187	SHREVEPORT.....	119	42	2793	849	187	SHREVEPORT.....	119	42	2793	849	187

BASED



Average Monthly Weather Outlook



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