

WEEKLY WEATHER AND CROP BULLETIN

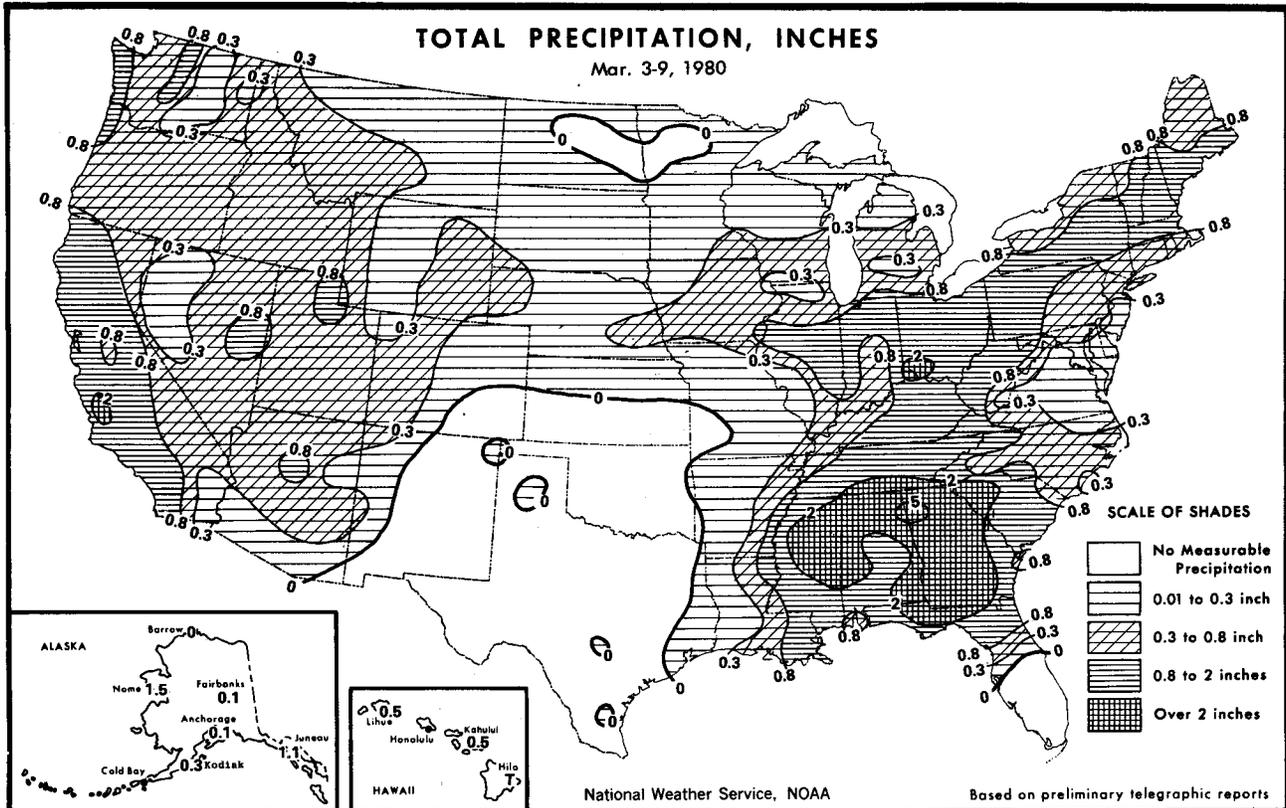
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National Weather Summary

March 3 - 9

HIGHLIGHTS: Moderate rain fell over much of California before moving on to the Plateau Region, where high elevations received snow. Moisture edged through the Pacific Northwest into Montana. Moderate rain covered most localities east of the Mississippi River; springlike thunderstorms and tornadoes with some hail drove down on the Southeast.

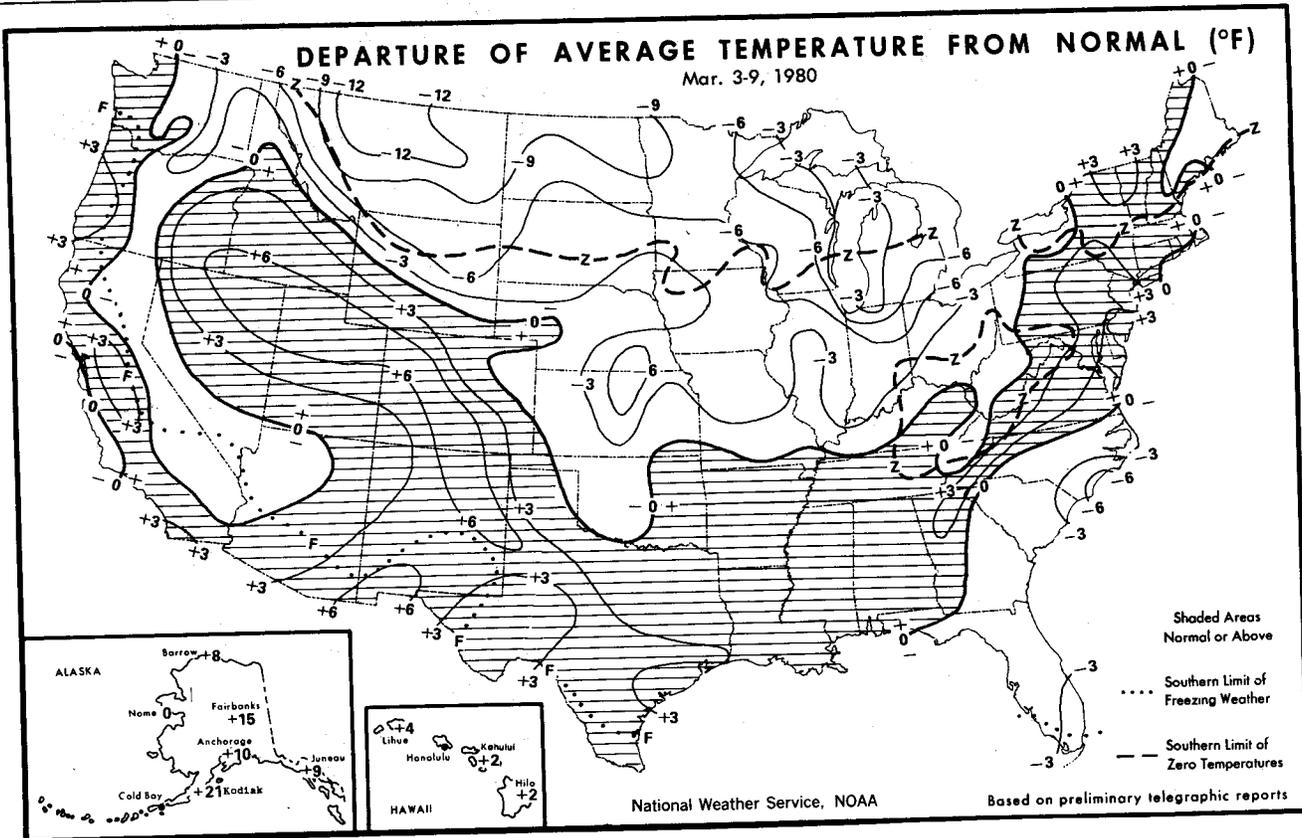
Warmer than normal temperatures continued over the Plateau and most of the Rockies, while readings averaged colder than normal in the upper half of the Plains and Midwest.

On Monday, very cold air lingered over the eastern half of the Nation, while rain dampened the West Coast, and a snowstorm intensified over the northern Rockies and west central Plains.

In California, both Los Angeles and Fresno measured about a half-inch of rain with snow extending into northern Arizona. A cold front stretched from Idaho to northern Kansas triggering snowfall; about 4 inches whitened Casper, west central Wyoming.

The extreme cold that gripped the Nation east of the Plains produced numerous monthly and daily record low readings; a sampling of new March record lows showed Cincinnati's -11°, 15° at Jackson, Miss., 32° at Miami Beach, Nashville's 2°, and 4° at Charlotte, southern North Carolina. Daily low temperature records included New Orleans's 25°, 19° at Montgomery, Ala., 9° at Chattanooga, eastern Tennessee, -5° at Beckley, southern West Virginia, and 10° at Roanoke, southwestern Virginia.

Record cold air continued to hover over the Southeast, and snow persisted from the Rockies through the upper half of the Plains on Tuesday.



Up to 8 inches of snow blanketed southwestern South Dakota and the northern Nebraska Panhandle. Snow reached as far east as Milwaukee. Meantime, hail peppered Little Rock and Hot Springs in Arkansas, and rain spread from the Mississippi Delta Region through the Ohio and Tennessee Valleys to West Virginia; amounts ranged below a half-inch.

The record cold continued to chill a large segment of the South. New marks included Miami Beach's 45°, 19° at Augusta, eastern Georgia, -3° at Elkins, east central West Virginia, and 9° at Wilmington, southern North Carolina, which undercut the old record by 11 degrees.

Snow fell from southeastern Washington through the northern parts of the Plateau and Rockies on Wednesday; Butte, western Montana, accumulated more than a half-foot.

Rain reached down the West Coast from the Pacific Northwest through most of California. Totals generally stayed below an inch.

Rain and hail hit the Southeast, and snow showers dusted an area from the Great Lakes to New England. Though rain fell lightly in most areas, very heavy hail pounded portions of Alabama and Georgia.

On Thursday, rain continued in California and moved to Nevada and Arizona, where snow fell in the high elevations. San Diego gathered 1.5 inches of rain, while up to 4 inches of snow piled up in Ely, eastern Nevada, and Flagstaff, northern Arizona.

Light snow also fell over the upper Midwest and the western sections of Pennsylvania and New York State.

A variety of weather spanned the Mississippi Valley on Friday. To the north, below-zero temperatures combined with snow and sleet. In the

southern half, hail and rain fell, and a tornado touched down in southwestern Illinois.

Heavy rains and severe storms struck the Tennessee Valley and Gulf Coastal States. One to 2 inches of rain soaked Greenwood, west central Mississippi, Muscle Shoals, northwestern Alabama, and Chattanooga. Five inches of rain in 3 hours deluged Rome, northwestern Georgia. Five tornadoes were sighted in Mississippi and Georgia.

Wintry weather still prevailed in southeastern Nebraska, where 5 inches of snow fell; lesser amounts whitened sections of the Midwest and Northeast.

Weather took different forms over the eastern half of the country on Saturday.

While heavy snow fell over parts of the Midwest and into the Northeast, very severe weather pummeled the Southeast, and record warmth brought springlike temperatures to other areas.

Eight inches of snow blanketed the vicinity of South Bend, northern Indiana, and one foot-plus covered some Michigan points. Lighter snow fell from New York State through parts of New England.

In the South, heavy rains doused the area from Louisiana to South Carolina. One to 2 inches soaked Atlanta and Charleston, S.C. A tornado touched down near Dothan, southeastern Alabama.

Warm air brought record readings to the Baltimore/Washington Airport, 70°, Harrisburg, Pa., 68°, and Atlantic City, N.J., 60°. Mobile, southern Alabama, notched a record-tying 83°.

On Sunday, thunderstorms produced heavy rain, high winds, and hail over parts of the South and Southeast.

More than an inch of rain fell over New Orleans, and, in Florida, Tallahassee got more than 3 inches, and Jacksonville received 1.3 inches.

Half-inch rainfalls moistened sections of western Washington State. Light snow whitened portions of the Midwest and New England.



National Agricultural Summary

March 3 - 9

HIGHLIGHTS: Rains throughout the eastern half of the Nation continued to keep soils saturated preventing much fieldwork. Earlier snows, which produced heavy accumulations in the middle Atlantic States, melted and added moisture to saturated soils. Farmers had only 1 to 3 days suitable for fieldwork in the Southeast but were able to accomplish some discing, plowing, spraying, and fertilization. Winter wheat generally rated good, although some tipburn from low temperatures was evident in the southern Plains and some parts of the Southeast. Most winter wheat had no snowcover. Oats planting began in the central Plains. Corn planting advanced slowly in the South following the recent low temperatures; some fields must be replanted because of freeze damage. Cotton planting was confined to the Southwest. Tobacco plantbeds sustained some damage from low temperatures and snow. Pastures rated fair to good but deteriorating because low temperatures set back growth. Livestock rated fair to good; mild weather in the West reduced newborn losses, while recent severe weather in the East increased the death rate.

SMALL GRAINS: Winter wheat generally rated good throughout major production areas. Low temperatures at the end of the previous week produced light tipburn on the southern Plains and in the Southeast. Most wheat stands have no snowcover; exceptions could be found in Montana and parts of the Dakotas. The crop showed greening as far north as Kansas.

Kansas wheat had no snowcover, and some blowing resulted; stands began greening in southern areas of the State. Oklahoma wheat enjoyed mild open weather; however, a sharp cold snap arrested wheat growth, and the crop did not respond to the warmer temperatures until the end of the week. Some Oklahoma stands showed signs of tipburn. Scattered rain throughout Texas did little to alleviate dry conditions, and many stands of wheat needed moisture. Freezing temperatures damaged some stands; insect damage was insignificant. Cattle were moved from wheat fields earmarked for grain harvest. Arizona wheat rated good as heading advanced. Irrigated New Mexico wheat rated good, but dryland stands scored only poor to fair. California wheat rated good, although erosion produced some losses; early stands began heading. Pacific Northwest winter wheat rated good; winterkill caused only slight damage. Washington growers began planting spring wheat. Corn Belt winter wheat rated good; growers were fertilizing.

OTHER CROPS: Low temperatures at the end of the previous week caused some corn losses in the Southeast, but growers have time to replant lost stands. Planting advanced slowly during the week following the low temperatures and stood at 3% in Louisiana and 11% in Texas.

Texas sorghum planting advanced to 15% surpassing last year's 2% and the 13% average; major progress occurred in the lower Rio Grande Valley. Oklahoma sorghum seedbed preparation advanced to 15%, equaling last year and 5 points ahead of the average.

Texas cotton planting advanced to 3%; a year ago, none was planted and, on the average, 2% has

been seeded by this date. Cotton planting advanced rapidly in the Rio Grande Valley, and warmer temperatures provided excellent conditions for planting and field preparations. Ginning of last season's cotton crop neared completion on the Plains. Arizona cotton growers prepared beds statewide and planted in western areas.

Southeastern tobacco plantbeds sustained some freeze damage; however, no significant losses were reported.

FRUITS & NUTS: Deciduous fruit growers continued to prune trees in northern areas. Texas peach and plum trees began blooming in eastern areas. Low temperatures damaged some buds and blooms; however, only light losses were noted in major Texas production areas.

Florida citrus trees and fruit showed varying conditions after the previous week's freeze. Some ice was found in over half of the Valencia oranges sampled for damage. Harvest was very active in areas which sustained the lowest temperatures.

Texas early and mid-season orange and grapefruit harvests neared completion; the Valencia harvest was active. Arizona growers harvested tangelos, tangerines, grapefruit, and an increasing volume of Valencias; the lemon harvest was practically complete. Citrus groves showed new blooms and rated good. California rains delayed the Navel harvest in southern areas and some flooding and waterlogging damaged some citrus crops. The lemon harvest was almost complete in desert areas.

VEGETABLES: Florida vegetable production areas sustained low temperatures early in the week, but a warming trend pushed readings into the eighties. Overall crop conditions were highly variable ranging from poor to mostly good. Shipments increased 1% from the previous week with okra up considerably; only cauliflower, cucumbers, eggplant, parsley, squash, and tomatoes showed declines. Low temperatures caused substantial plant loss to cucumbers, squash, tomatoes, peppers, and potatoes in northern and west central areas.

Texas growers harvested carrots, cabbage, and lettuce in light volume from the lower Rio Grande Valley. Low temperatures damaged melons, young cabbage plants, cucumbers, and some onions and potatoes. Growers prepared land and began planting summer crops.

California growers harvested increasing supplies of asparagus, a heavy volume of broccoli, a light volume of cauliflower, celery, lettuce, and processing spinach. Wet fields slowed harvests of most crops. The first strawberries picked after the recent heavy rains were shipped for juice; volume and quality should improve shortly. Tomato planting for fresh and processing use should increase sharply if fair weather continues.

PASTURE & LIVESTOCK: Grasslands across the South generally rated only fair to good because recent low temperatures slowed growth and damaged some top growth. The Southwest was an exception where mild temperatures and plenty of soil moisture produced fair to mostly good rangeland conditions. Stock ponds were full in most areas of the Southwest. Grazing was restricted to southern portions of the Nation. Feed and forage supplies were adequate with the exception of the Northwest. Livestock generally rated fair to good. Calving and lambing increased. Western areas enjoyed above-normal temperatures which tended to limit death losses among newborn animals; however, the recent harsh weather in the East increased losses.

Weather Data for the Week Ending March 9, 1980

States and Stations	Temperature °F						Precipitation						Relative Humidity, percent		Number of Days				
	Average maximum	Average minimum	Extreme high	Extreme low	Average	Departure from normal	Weekly total, in.	Departure from normal	Greatest in 24-hour, in.	Total, in., since March 3	Pct. normal since March 3	Average maximum	Average minimum	90 and above	32 and below	Temperature °F		Precipitation	
																.01 inch or more	.50 inch or more		
ALA. Birmingham.	65	40	80	11	52	1	2.0	.5	.9	2.0	133	81	42	0	2	4	2		
Mobile.	72	51	83	23	62	4	.7	.9	.4	.7	44	89	58	0	1	4	0		
Montgomery.	69	43	82	19	56	1	1.4	0	.8	1.4	100	70	48	0	2	4	1		
ALASKA. Anchorage.	35	27	38	21	31	10	.1	0	.1	.1	100	71	62	0	7	0	0		
Barrow.	-7	-14	-2	-22	-10	8	0	0	0	0	0	72	63	0	5	0	0		
Fairbanks.	30	9	40	4	19	15	.1	0	.1	.1	100	76	53	0	7	5	0		
Kodiak.	45	35	47	30	40	9	1.1	.1	.1	1.1	110	73	63	0	2	1	1		
Seward.	30	23	33	11	26	21	.3	.1	.2	.3	150	81	73	0	7	6	0		
ARIZ. Flagstaff.	41	24	50	10	33	0	1.5	1.1	.8	1.5	375	83	52	0	6	3	2		
Phoenix.	71	50	75	44	60	2	.4	.2	.3	.4	200	70	27	0	0	2	0		
Tucson.	70	47	74	42	58	2	T	.1	T	0	63	22	0	0	4	2	0		
Winslow.	54	32	59	25	43	0	.2	.1	.1	.2	200	54	27	0	0	1	0		
Yuma.	75	51	80	47	63	1	.1	0	.1	.1	100	78	35	0	4	1	0		
ARK. Fort Smith.	64	31	78	15	47	0	.1	.7	.1	.1	13	78	45	0	2	2	0		
Little Rock.	63	36	76	21	50	0	T	1.1	T	0	81	45	0	2	2	1	1		
CALIF. Bakersfield.	63	47	70	42	55	-1	.9	.7	.6	.9	450	92	64	0	0	4	1		
Eureka.	57	43	61	40	50	2	.9	.3	.5	.9	75	92	64	0	0	4	1		
Fresno.	64	46	70	42	55	2	1.7	1.3	.8	1.7	425	90	53	0	0	5	2		
Los Angeles.	63	51	73	57	54	-2	1.5	.9	.9	1.5	250	85	61	0	0	3	1		
Rud Buff.	61	43	71	35	52	0	1.4	.8	.6	1.4	233	90	53	0	0	5	2		
San Diego.	68	56	73	51	62	4	1.0	.6	.9	1.0	250	80	51	0	0	3	1		
San Francisco.	62	44	66	41	53	0	1.8	1.2	1.2	1.8	300	91	54	0	0	4	1		
Stockton.	64	44	71	39	54	2	.7	.2	.5	.7	140	52	0	0	1	1	1		
COLO. Denver.	46	27	53	23	36	1	.1	.1	T	.1	50	75	43	0	6	3	0		
Grand Junction.	50	33	54	26	42	3	.5	.4	.2	.5	500	79	51	0	2	4	0		
Pueblo.	59	26	71	18	43	5	0	.1	0	0	0	26	0	5	0	0	0		
CONN. Bridgeport.	43	28	49	15	36	0	.3	.5	.3	.3	38	63	52	0	4	2	0		
Hartford.	41	22	50	8	32	-1	.6	.2	.4	.6	75	68	50	0	6	2	0		
D.C. Washington.	57	36	73	15	46	4	.2	.6	.1	.2	25	72	44	0	2	2	0		
FLA. Apalachicola.	66	48	75	22	57	-2	1.2	.1	1.2	1.2	109	81	71	0	2	1	0		
Daytona Beach.	73	48	85	26	61	-2	T	.8	T	0	87	49	0	2	0	0	0		
Ft. Myers.	77	54	84	33	66	-2	0	.7	0	0	87	51	0	0	0	0	0		
Jacksonville.	71	44	81	23	58	-2	1.4	.6	1.4	1.4	175	86	46	0	2	1	1		
Key West.	75	64	82	49	70	-1	0	.4	0	0	90	64	0	0	0	0	0		
Miami.	73	57	84	32	65	-5	0	.4	0	0	88	58	0	1	0	0	0		
Orlando.	77	48	85	25	63	-2	0	.8	0	0	86	44	0	1	0	0	0		
Tallahassee.	70	46	78	20	58	-1	3.1	1.7	.7	3.1	221	85	60	0	2	3	1		
Tampa.	73	52	83	29	63	-2	T	.9	T	0	87	55	0	2	0	0	0		
W. Palm Beach.	72	52	80	30	62	-7	0	.7	0	0	86	58	0	1	0	0	0		
GA. Atlanta.	65	39	78	11	52	3	3.5	2.2	1.7	3.5	269	80	45	0	2	5	3		
Augusta.	66	36	76	12	51	-1	1.8	.7	1.3	1.8	164	85	48	0	2	3	1		
Macon.	67	40	77	14	54	-1	2.6	1.4	1.5	2.6	217	90	50	0	2	4	2		
Savannah.	66	44	75	20	55	-1	.7	.3	.5	.7	70	80	54	0	2	3	1		
HAWAII. Hilo.	80	70	81	67	75	2	T	.7	T	0	85	60	0	0	1	0	0		
Honolulu.	80	70	81	67	75	2	T	.7	T	0	85	60	0	0	1	0	0		
Kahului.	80	70	81	67	75	2	T	.7	T	0	85	60	0	0	1	0	0		
Lihue.	80	70	81	67	75	2	T	.7	T	0	85	60	0	0	1	0	0		
IDAHO. Boise.	53	33	55	27	43	4	.5	.2	.2	.5	167	85	45	0	4	3	0		
Lewiston.	46	35	56	29	41	-1	.5	.3	.3	.5	250	81	60	0	1	4	0		
Pocatello.	43	32	47	26	38	4	.4	.2	.2	.4	200	81	54	0	4	2	0		
ILL. Cairo.	54	33	63	20	44	0	.4	.7	.2	.4	36	80	62	0	3	2	0		
Chicago.	36	18	42	6	27	-6	.4	.1	.3	.4	80	93	62	0	7	4	0		
Moline.	36	17	42	12	27	-5	.5	0	.3	.5	100	84	61	0	7	4	1		
Peoria.	40	22	48	13	31	-3	.8	.3	.6	.8	160	80	60	0	7	4	0		
Rockford.	33	17	38	8	25	-6	.2	.3	.1	.2	40	87	65	0	7	3	0		
Springfield.	41	23	51	11	32	-4	.6	.1	.4	.6	120	81	65	0	7	4	0		
IND. Evansville.	49	26	59	3	37	-4	.5	.5	.2	.5	50	87	54	0	6	4	0		
Ft. Wayne.	33	20	38	4	26	-7	1.0	.4	.7	1.0	167	78	64	0	7	4	0		
Indianapolis.	40	22	47	1	31	-5	.7	.1	.2	.7	87	79	58	0	7	4	0		
South Bend.	37	20	44	12	29	-4	1.0	.5	.8	1.0	200	77	76	0	7	4	1		
IOWA. Burlington.	39	21	50	10	30	-3	.9	.4	.4	.9	180	--	--	0	7	4	0		
Des Moines.	37	18	52	5	28	-3	.3	.1	.1	.3	75	78	52	0	7	2	0		
Dubuque.	30	13	41	0	21	-7	.3	.2	.1	.3	60	83	65	0	7	2	0		
Sioux City.	39	16	57	5	27	-2	.1	.2	.1	.1	33	83	49	0	7	1	0		
KANS. Concordia.	41	19	58	8	30	-6	.1	.2	.1	.1	33	81	49	0	7	2	0		
Dodge City.	51	23	72	12	37	-1	0	.2	T	0	84	37	0	7	0	0	0		
Goodland.	44	21	58	14	33	-1	T	.2	T	0	92	48	0	7	1	0	0		
Topeka.	49	24	62	11	36	-2	T	.4	T	0	72	38	0	6	2	0	0		
Wichita.	49	24	61	14	37	-4	0	.3	0	0	71	37	0	7	0	0	0		
KY. Lexington.	50	30	70	0	40	0	1.2	.1	.6	1.2	109	75	51	0	3	3	1		
Louisville.	51	29	65	1	40	-1	.7	.4	.4	.7	64	75	53	0	3	4	0		

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending March 9, 1980

States and Stations	Temperature °F						Precipitation						Relative Humidity, percent		Number of Days				
	Average maximum	Average minimum	Extreme high	Extreme low	Average	Departure from normal	Weekly total, in.	Departure from normal	Greatest in 24-hours, in.	Total, in., since March 3	Pct. normal since March 3	Average maximum	Average minimum	Temperature °F		Precipitation			
														90 and above	32 and below	.01 inch or more	.50 inch or more		
LA. Baton Rouge . . .	68	50	78	21	59	2	.7	-	.5	.7	58	85	63	0	1	3	0		
LA. Lake Charles . . .	69	50	77	25	60	1	.1	-	.8	.1	11	85	73	0	1	2	0		
LA. New Orleans . . .	71	52	84	25	62	3	1.2	-	.1	1.1	1.2	92	84	0	1	2	1		
LA. Shreveport . . .	67	43	76	20	55	0	.1	-	.8	.1	11	88	54	0	1	1	0		
MAINE. Caribou . . .	30	9	33	-10	19	-	.5	0	.3	.5	100	87	66	0	7	4	0		
MAINE. Portland . . .	38	19	43	3	29	0	1.2	.4	1.1	1.2	150	79	50	0	6	3	1		
MD. Baltimore . . .	54	30	70	13	42	2	.3	-	.5	.2	.3	38	66	39	0	3	3	0	
MASS. Boston . . .	46	27	53	14	37	1	.8	-	.1	.8	.8	53	37	0	0	2	1	1	
MASS. Chatham . . .	42	28	48	20	35	-	.6	-	.5	.6	89	80	61	0	6	2	1		
MICH. Alpena . . .	31	5	39	-7	18	-	.3	-	.1	.2	.3	75	-	-	0	7	3	0	
MICH. Detroit . . .	35	15	43	6	25	-	.7	-	.2	.5	.7	140	87	59	0	7	4	0	
MICH. Flint . . .	34	11	42	6	23	-	.7	-	.4	.1	.4	100	87	57	0	7	5	0	
MICH. Grand Rapids . . .	36	19	40	14	27	-	.3	-	.2	.3	.1	2	40	90	64	0	7	4	0
MICH. Houghton Lake . . .	31	6	37	-1	19	-	.4	-	.2	.1	.2	50	82	54	0	7	4	0	
MICH. Lansing . . .	33	16	41	9	25	-	.5	-	.3	.1	.3	60	89	65	0	7	3	0	
MICH. Marquette . . .	27	2	36	-5	15	-	.9	-	.3	T	.1	25	81	54	0	7	2	0	
MICH. Muskegon . . .	32	21	36	12	26	-	.3	-	.2	.1	.3	60	80	70	0	7	4	0	
MICH. S. Ste. Marie . . .	27	4	32	-3	15	-	.5	-	.3	T	.1	25	82	62	0	7	3	0	
MINN. Duluth . . .	24	1	31	-8	13	-	.7	-	.3	T	0	0	80	52	0	7	1	0	
MINN. Internatl. Falls . . .	22	-6	31	-18	8	-	.8	-	.1	.1	.1	50	73	39	0	7	1	0	
MINN. Minneapolis . . .	28	7	39	-1	18	-	.7	-	.1	.1	.2	67	77	45	0	7	3	0	
MINN. Rochester . . .	28	5	38	-3	17	-	.7	-	.4	.1	.4	133	85	57	0	7	3	0	
MINN. St. Cloud . . .	27	0	37	-10	14	-	.7	-	.1	.1	.1	50	79	40	0	7	2	0	
MISS. Jackson . . .	69	41	81	15	55	1	.9	-	.4	.8	.9	69	92	52	0	2	2	1	
MISS. Meridian . . .	69	42	83	15	55	2	2.5	-	1.1	1.7	2.5	179	72	50	0	2	4	1	
MO. Columbia . . .	44	25	56	14	34	-	.4	-	.3	.1	.2	40	81	60	0	5	3	0	
MO. Kansas City . . .	43	22	57	9	32	-	5	-	.4	.1	.1	20	67	50	0	7	2	0	
MO. St. Louis . . .	48	26	57	15	37	-	.3	-	.5	T	.1	17	74	60	0	5	3	0	
MO. Springfield . . .	55	26	73	20	41	0	T	-	.6	T	0	0	76	36	0	6	0	0	
MONT. Billings . . .	30	14	42	2	22	-	.8	-	.4	.2	.1	.4	200	78	53	0	6	2	0
MONT. Glasgow . . .	24	-3	39	-13	10	-	11	-	.1	0	T	.1	100	76	53	0	7	2	0
MONT. Great Falls . . .	26	4	42	-10	15	-	13	-	.2	0	.1	.2	100	72	50	0	7	2	0
MONT. Havre . . .	24	-4	44	-18	10	-	13	-	.2	.1	.1	.2	200	78	57	0	7	2	0
MONT. Helena . . .	27	8	42	-4	17	-	11	-	.6	.5	.4	.6	600	74	55	0	6	3	0
MONT. Kalispell . . .	30	13	39	3	21	-	.7	-	.2	0	.1	.2	100	79	64	0	6	2	0
MONT. Miles City . . .	29	5	42	-12	17	-	10	-	.2	.1	.1	.2	200	84	55	0	7	2	0
MONT. Missoula . . .	32	17	41	10	24	-	.7	-	.4	.3	.2	.4	400	85	71	0	6	5	0
NEBR. Grand Island . . .	39	16	55	6	28	-	.5	-	.5	.3	.3	.5	250	84	48	0	7	2	0
NEBR. Lincoln . . .	38	18	52	7	28	-	.5	-	.3	0	-.3	100	83	58	0	7	0	0	
NEBR. Norfolk . . .	38	18	52	6	28	-	1	-	.1	.2	.1	.1	33	80	53	0	7	1	0
NEBR. N. Platte . . .	42	20	57	8	31	-	1	-	.1	.1	.1	.1	50	75	45	0	7	2	0
NEBR. Omaha . . .	35	18	50	3	27	-	.7	-	.3	0	.1	.3	100	87	60	0	7	2	0
NEBR. Valentine . . .	34	15	49	2	25	-	.5	-	.1	0	.1	.1	100	91	58	0	7	2	0
NEV. Ely . . .	43	26	48	17	35	-	.3	-	.9	.7	.3	.9	450	87	47	0	7	5	0
NEV. Las Vegas . . .	62	43	67	39	52	-	1	-	.4	.3	.2	.4	400	73	36	0	0	2	0
NEV. Reno . . .	47	26	53	20	37	-	.2	-	.1	.1	.1	.1	50	90	34	0	6	3	0
NEV. Winnemucca . . .	52	31	58	23	41	5	.2	0	-.2	0	-.2	100	77	41	0	3	3	0	
N.H. Concord . . .	40	15	47	-11	28	-	.8	-	.2	.5	.8	133	74	48	0	7	5	1	
N.J. Atlantic City . . .	51	28	60	12	39	1	T	-	1.0	T	0	0	74	40	0	5	1	0	
N.J. Trenton . . .	50	33	63	14	42	4	.3	-	.5	.1	.3	38	-	-	0	2	3	0	
N.MEX. Albuquerque . . .	63	32	68	25	47	4	T	-	.1	T	0	0	66	19	0	3	0	0	
N.MEX. Roswell . . .	71	37	78	32	54	7	0	-	.1	0	0	0	-	-	0	1	0	0	
N.Y. Albany . . .	39	22	48	5	31	1	1.0	.4	.9	1.0	167	69	50	0	7	3	1		
N.Y. Binghamton . . .	41	23	48	2	32	4	1.1	.5	.6	1.1	183	77	50	0	7	3	1		
N.Y. Buffalo . . .	33	22	40	9	28	-	.6	0	.3	.6	100	83	66	0	7	2	0		
N.Y. New York . . .	49	33	53	18	41	3	.6	-	.3	.4	.6	67	60	38	0	2	2	0	
N.Y. Rochester . . .	35	22	43	-1	29	-	.6	0	.4	.6	100	71	56	0	7	3	0		
N.Y. Syracuse . . .	37	21	43	5	29	-	.9	-	.2	.3	.9	129	89	59	0	7	5	0	
N.C. Asheville . . .	61	34	73	9	48	4	.5	-	.6	.3	.5	45	79	43	0	2	3	0	
N.C. Charlotte . . .	56	35	66	4	46	-	1.3	.2	.7	1.3	118	73	58	0	2	3	1		
N.C. Greensboro . . .	54	36	64	10	45	0	.7	-	.1	.6	.7	87	69	51	0	2	2	1	
N.C. Hatteras . . .	53	39	65	22	46	-	.3	-	.1	.4	.8	89	93	67	0	2	3	0	
N.C. Raleigh . . .	55	34	65	12	45	-	.2	-	.5	.3	.4	.5	63	74	62	0	3	2	0
N.C. Wilmington . . .	58	36	71	9	47	-	.3	-	.7	.2	.3	30	80	49	0	3	3	0	
N.DAK. Bismarck . . .	26	2	45	-7	14	-	.7	-	.1	T	0	0	77	48	0	7	1	0	
N.DAK. Fargo . . .	19	-2	36	-10	9	-	11	-	.1	T	0	0	81	63	0	7	0	0	
N.DAK. Williston . . .	25	-1	41	-11	12	-	9	-	.1	T	0	0	76	44	0	7	1	0	
OHIO. Akron-Canton . . .	42	23	55	6	32	-	1	1.6	.9	.6	1.6	229	79	48	0	7	4	2	
OHIO. Cincinnati . . .	47	23	64	-11	35	-	4	2.9	.6	2.9	322	83	61	0	6	4	2		
OHIO. Cleveland . . .	37	22	41	4	29	-	4	1.1	.5	.7	1.1	183	80	58	0	7	4	1	
OHIO. Columbus . . .	43	23	58	1	33	-	3	1.1	.4	.3	1.1	157	75	53	0	6	4	0	
OHIO. Dayton . . .	41	23	51	0	32	-	4	1.3	.6	.5	1.3	186	79	54	0	7	4	0	
OHIO. Toledo . . .	35	19	43	8	27	-	6	.8	.3	.4	.8	160	84	65	0	7	5	0	
OHIO. Youngstown . . .	39	21	48	0	30	-	2	1.6	.9	.8	1.6	229	70	47	0	7	4	1	

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending March 9, 1980

States and Stations	Temperature °F						Precipitation						Relative Humidity, percent		Number of Days				
	Average maximum	Average minimum	Extreme high	Extreme low	Average	Departure from normal	Weekly total, in.	Departure from normal	Greatest in 24-hours, in.	Total, in., since March 3	Pct. normal since March 3	Average maximum	Average minimum	Temperature °F		Precipitation			
														90 and above	32 and below	.01 inch or more	.50 inch or more		
OKLA.Okla. City . . .	62	29	69	19	45	0	0	.4	0	0	0	69	24	0	5	0	0	0	
Tulsa . . .	62	30	76	20	46	1	0	.5	0	0	0	71	31	0	4	0	0	1	
OREG.Astoria . . .	51	40	53	36	46	2	.9	.7	.2	.3	150	95	47	0	6	4	0	0	
Burns . . .	47	29	54	23	38	4	.3	.1	.2	.4	100	83	46	0	2	2	0	0	
Medford . . .	58	35	63	31	47	3	.4	.4	.4	.4	167	89	65	0	3	3	0	0	
Pendleton . . .	48	32	54	20	40	-2	.5	.2	.4	.5	56	91	62	0	0	3	0	0	
Portland . . .	53	40	57	37	46	1	.5	.4	.4	.5	36	88	64	0	1	3	0	0	
Salem . . .	54	38	57	31	46	2	.4	.7	.3	.4	50	74	52	0	4	3	0	0	
PA.Allentown . . .	48	29	62	11	39	-4	.4	.4	.2	.4	200	--	--	0	7	4	0	0	
Erie . . .	35	21	41	3	28	-3	1.2	.6	.4	.4	1.2	200	--	0	7	4	0	0	
Harrisburg . . .	52	28	68	14	40	3	.5	.2	.3	.5	71	75	45	0	5	3	0	0	
Philadelphia . . .	49	31	61	15	40	1	.3	.2	.2	.3	38	76	54	0	3	2	0	0	
Pittsburgh . . .	44	23	60	4	33	-2	1.6	.8	.5	1.6	200	69	47	0	7	3	0	0	
Scranton . . .	45	28	55	8	37	4	.3	.2	.2	.3	60	68	45	0	3	3	0	0	
R.I.Providence . . .	47	26	52	14	36	2	.3	.6	.3	.3	33	63	39	0	6	2	0	1	
S.C.Charleston . . .	65	39	77	15	52	-3	1.7	.6	1.5	1.7	155	89	51	0	2	3	0	0	
Columbia . . .	63	36	71	4	49	-3	1.3	.2	.9	1.3	118	94	50	0	2	4	1	1	
Greenville . . .	58	35	68	11	47	-2	2.2	1.0	1.0	2.2	183	76	56	0	3	4	1	0	
S.DAK.Aberdeen . . .	26	8	40	-6	17	-6	.1	0	.1	.1	50	81	50	0	7	3	0	0	
Huron . . .	31	8	45	0	20	-5	.1	.1	.1	.1	200	77	60	0	7	2	0	0	
Rapid City . . .	32	13	46	4	22	-6	.2	.1	.1	.1	0	87	54	0	7	2	0	0	
Sioux Falls . . .	35	15	49	3	25	-1	T	.3	T	.2	0	0	0	0	3	2	1	0	
TENN.Chattanooga . . .	59	35	75	10	47	0	3.1	1.8	1.9	3.1	238	81	51	0	0	4	1	0	
Knoxville . . .	58	33	74	1	45	-2	1.6	.4	.5	1.6	133	85	50	0	2	4	0	0	
Memphis . . .	60	37	66	20	49	1	.9	.4	.9	.8	82	78	55	0	2	3	0	0	
Nashville . . .	57	32	71	2	45	-1	.9	.2	.9	.7	83	47	0	3	4	0	0	0	
TEX.Abilene . . .	71	40	82	28	55	3	0	0	0	0	52	21	0	2	0	0	0	0	
Amarillo . . .	63	25	75	15	44	1	.1	.2	.1	.1	100	67	15	0	6	1	0	0	
Austin . . .	75	48	85	25	61	4	T	.5	T	.3	0	75	36	0	1	0	0	0	
Beaumont . . .	70	53	78	25	62	4	.3	.2	.3	.3	38	85	68	0	1	3	0	0	
Brownsville . . .	80	60	85	34	70	4	T	.5	T	.2	0	90	53	0	0	0	0	0	
Corpus Christi . . .	78	55	86	29	67	4	0	.3	0	0	0	84	49	0	1	0	0	0	
Del Rio . . .	80	50	90	33	65	5	0	.2	0	0	0	64	26	1	0	0	0	0	
El Paso . . .	72	44	76	39	58	6	0	.1	0	0	0	44	16	0	0	0	0	0	
Fort Worth . . .	70	39	84	24	54	2	0	.5	0	0	0	69	31	0	3	0	0	0	
Galveston . . .	64	54	70	37	59	0	.1	.6	.1	.1	17	82	80	0	0	2	0	0	
Houston . . .	72	49	78	25	61	2	.1	.5	.1	.1	14	89	60	0	1	2	0	0	
Lubbock . . .	69	34	78	22	52	5	0	.2	0	0	0	54	16	0	3	0	0	0	
Midland . . .	69	34	77	28	52	0	0	.1	0	0	0	67	18	0	3	0	0	0	
San Angelo . . .	71	39	81	25	55	0	0	.2	0	0	0	64	25	0	2	0	0	0	
San Antonio . . .	77	48	85	30	63	4	T	.4	T	0	0	73	36	0	1	0	0	0	
Victoria . . .	73	50	80	26	61	1	T	.4	T	0	0	81	55	0	1	0	0	0	
Waco . . .	70	43	83	29	56	1	T	.5	T	0	0	80	41	0	2	0	0	0	
Wichita Falls . . .	67	32	78	24	49	-1	0	.3	0	0	0	71	23	0	3	0	0	0	
UTAH.Blanding . . .	46	28	50	24	37	1	.4	.2	.2	.4	200	81	55	0	7	3	0	0	
Salt Lake City . . .	51	37	53	34	44	7	.9	.6	.4	.9	300	85	46	0	0	4	0	0	
VT.Burlington . . .	36	18	40	-8	27	2	.6	.2	.5	.6	150	86	60	0	7	3	1	0	
VA.Lynchburg . . .	54	36	69	14	44	2	.3	.5	.3	.3	38	68	58	0	2	1	0	0	
Norfolk . . .	55	35	66	20	45	-1	T	.8	T	0	0	73	50	0	3	1	0	0	
Richmond . . .	60	37	73	16	48	4	.1	.7	.1	.1	13	75	43	0	2	1	0	0	
Roanoke . . .	56	31	75	10	43	1	.3	.5	.3	.3	38	72	47	0	3	1	0	0	
WASH.Colville . . .	40	24	47	12	32	-3	.5	.2	.4	.5	167	--	--	0	7	2	0	0	
Omak . . .	42	25	46	10	33	-2	.1	.1	.1	.1	50	60	49	0	6	1	0	0	
Quillayute . . .	52	36	55	26	44	2	.9	1.7	.7	.9	35	91	58	0	2	3	1	0	
Seattle-Tacoma . . .	48	40	51	31	44	1	.3	.6	.2	.3	33	83	65	0	1	4	0	0	
Spokane . . .	42	29	50	21	35	-1	.1	.3	.1	.1	25	85	60	0	6	1	0	0	
Walla Walla . . .	46	36	54	24	41	-3	.5	.2	.2	.5	167	89	61	0	2	3	0	0	
Yakima . . .	51	32	60	30	42	1	.2	.1	.2	.2	200	87	55	0	5	1	0	0	
W.VA.Beckley . . .	48	27	67	-5	37	0	.2	.8	.1	.2	20	73	49	0	5	4	0	0	
Charleston . . .	53	26	72	0	40	-2	1.0	.1	.4	.8	89	71	42	0	3	4	0	0	
Huntington . . .	52	29	73	-2	41	-1	.8	.1	.4	.8	150	74	50	0	5	4	2	0	
Parkersburg . . .	48	25	67	2	37	-2	1.2	.4	.5	1.2	100	85	61	0	7	4	0	0	
WISC.Green Bay . . .	28	8	34	-4	18	-7	.3	0	.2	.3	75	83	63	0	7	4	0	0	
La Crosse . . .	32	12	43	0	22	-5	.3	.1	.2	.3	100	87	64	0	7	4	0	0	
Madison . . .	30	10	35	0	20	-7	.4	0	.3	.4	100	87	64	0	7	4	0	0	
Milwaukee . . .	33	15	38	2	24	-4	.3	.1	.3	.3	75	82	64	0	7	3	0	0	
WYO.Casper . . .	35	12	42	3	24	-5	.5	.3	.4	.5	250	86	56	0	7	4	0	0	
Cheyenne . . .	40	23	44	13	32	2	.3	.1	.2	.3	150	70	48	0	7	2	0	0	
Lander . . .	39	20	46	13	29	0	.1	.1	.1	.1	50	78	48	0	7	2	0	0	
Sheridan . . .	31	12	46	-2	22	-7	.2	0	.1	.2	100	93	54	0	7	2	0	0	
P.R.San Juan . . .	84	72	86	71	78	2	.8	.3	.2	.8	160	91	62	0	0	5	0	0	

Based on preliminary reports and 1941-70 normals

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: Temperatures 2° above normal. Rain of 1.00 in. statewide.

Fieldwork: 2.5 days suitable. Soil moisture adequate. Soil testing, equipment preparation, caring for livestock, main activities. Plowing 37% complete. Pastures fair condition; feed short. Stored feed adequate. Wheat mostly good condition. Livestock fair to good.

ARIZONA: Vigorous cold front moved through 3d followed by another on 6th. Snow levels dropped to 5,500 ft. and produced less than 4 in. of new snow at higher elevations. Temperatures near normal.

Small grains continued to make good progress. Seedbed preparations for cotton active. Many fields ready to plant. Limited planting under-way western areas. Good progress sugarbeets. Safflower planting continued. Second cutting alfalfa begun west. Lettuce, cabbage, broccoli, cauliflower harvests continued. Final seedbed preparation, planting, irrigation, stand establishment cantaloups, watermelons progressing satisfactorily. Harvest tangelos, tangerines, grapefruit continued. Harvest Valencia oranges increasing. Lemon harvest practically over. Citrus groves generally good condition, new bloom developing. LP gas, diesel, gasoline supplies adequate. Range, pasture conditions generally fair but supplying below average feed in southern northeast. Stock water, soil moisture mostly adequate. Cattle continue fair to good condition.

ARKANSAS: Very dry week with near to slightly below normal temperatures. Week began cold but moderated to near normal temperatures by end. Rainfall very light; less than 0.33 in.

Fieldwork active; discing, bedding, stalk destruction. Growth of wheat substantial. Wheat fertilization complete. Some fertilizer applied to pastures. Pastures in need of rain. Cattle condition good; supplemental feeding continuing.

CALIFORNIA: Unsettled weather prevailed with scattered showers. Two separated frontal systems brought rainy periods on 3d and again 5th. Heavy snow fell in Sierra. Daytime temperatures remained on cool side although averages near normal at low elevations. Conditions improved to clear or partly cloudy by 7th except for a few flurries in high Sierra.

Wet soils limited field activities. Small grains generally good progress, earliest fields heading. Some acreage lost due erosion, standing water. Controls applied for aphids in wheat; aphids, weevils in alfalfa. Rodent controls applied sugarbeets. Rains delayed Navel harvest in southern areas. Some flooding and waterlogging damage to citrus crops. Lemon harvest nearly completed desert area. Artichoke supplies increased central coast. Asparagus volume increasing. Broccoli fairly heavy supply central coast but wet fields slowing harvest. Celery harvest south coast still slowed by wet fields. Lettuce harvest nearly finished Imperial Valley; cutting very active Palo Verde Valley. Processing spinach harvest delayed by wet fields San Joaquin Valley, central coast. First strawberries after heavy

rains gone to juice; volume, quality should improve this week. Planting sweetpotatoes in hotbeds active San Joaquin Valley. Planting market, processing tomatoes will increase sharply if fair weather holds. Ranges good shape. Excellent soil moisture. Some areas need warmer temperatures to increase grass growth. Stock ponds full. Livestock good condition. Movement bees from almond orchards beginning. Farm fuel generally adequate with a few localized areas of tight diesel, gasoline supplies.

COLORADO: Rain or snow mountains and west throughout week with amounts varying from 0.25 to 0.50 in. western valleys to more than 3.00 in. San Juan Mountains. Average precipitation more than 1.00 in. Little precipitation east of mountains and in San Luis Valley except along northern foothills where amounts of 0.10 to 0.50 in. fell on 6th and 7th. Temperatures averaged 7° above normal in Colorado basin, 4° above in San Luis Valley and near normal elsewhere.

FLORIDA: Record low temperatures occurred 4th with low 20's north and central and 30's south and highs 40's and 50's. Temperatures warmed to highs in 70's on 6th thru 10th with some 80's central, south. Most lows in 50's and 60's. Scattered showers north on 6th averaged less than 0.25 in. More rain fell over weekend in Panhandle and north with over 1.00 in. in several places.

Soil moisture mostly adequate. Freezing temperatures on the 3d slowed fieldwork and killed most of small acreage of early corn that was up. Small grains, young sugarcane received minor damage from cold. Farmwork back to normal by weekend. Fuel supplies mostly adequate. Permanent pastures deteriorated, mostly poor to fair condition. Cattle fair to good. Citrus tree and fruit condition varies after last week's freeze. Some ice found in more than one-half Valencia orange samples cut. Soil moisture adequate, harvest very active in coldest areas. Severe cold front in vegetable growing areas 2d, 3d preceded by strong winds, heavy showers. Rainfall variable, ranging from 2.00 in. to as much as 4.00 in. some locations. Temperatures dipped into mid to high 20's as far south as Everglades early 3d. Light breeze accompanied freezing temperatures lowering the chill factor several degrees. Warming trend set in 4th and temperatures climbed into 80's by the end of week. Overall crop condition continues variable from poor to mostly good, some excellent. Harvest planting activity delayed. Growth, progress slowed. Quality, size, yields fair to good, excellent some crops. Overall shipments up 1% from previous week. Shipments okra increased considerably; cabbage, carrots, chinese cabbage, sweet corn, potatoes, radishes, strawberries, also increased. Snap bean, celery, escarole, lettuce, pepper supplies held steady but cauliflower, cucumbers, eggplant, parsley, squash, tomatoes decreased. Strawberries, potatoes, watermelons sustained minimal damage southern growing areas. Freezing temperatures in northern west central areas caused substantial acreage loss, plant kill to cucumber, squash, tomatoes, peppers,

potatoes. Heavy replanting necessary most crops. Cabbage, celery, cauliflower, lettuce, carrot, snap bean damage minimal.

GEORGIA: Temperatures averaged upper 30's north and upper 40's south. Readings 8 to 10° below normal. Temperatures well below normal early week but moderated to above normal by weekend. Extremes: -3 and 75°. Precipitation averaged near 1.50 in. over northern quarter, decreasing uniformly to less than 0.50 in. extreme southeast.

Soil moisture adequate southeast, surplus elsewhere. Pastures good central, north central, southwest; fair north; fair to good southeast. Livestock condition good. Tobacco plants good southwest, fair southeast. Record cold temperatures caused freeze burn injury to tobacco plants but expected to survive. Too early for complete assessment of freeze damage to wheat; indications for recovery of most fields with light loss. Rye more serious damage. Freezing temperatures caused loss of most emerged and some germinated corn, replanting will be necessary for fields lost to freeze.

HAWAII: Weather improved. Showers beneficial to most crops. Spoilage losses leafy crops some areas. Spraying frequent to minimize insects and diseases.

Vegetable supplies increasing some crops; head cabbage heavy, chinese cabbage shipments to mainland U.S.A., lettuce harvest up, cucumber picking steady, other generally light. Banana supplies light; rains beneficial. Papayas gradually increasing; weather favorable, good fruit development. Pineapple harvesting light. Sugar harvesting upswing; more mills grinding. Pasture generally fair to good. Fuel supplies adequate however deliveries remain erratic because of strike.

IDAHO: Temperatures from 8° above normal. Average in high 30's. Extremes: 62 and -4°. Below normal precipitation except southeast.

Too wet for active fieldwork. Weed spraying and crop marketing main activities. Calving and lambing continued. General livestock condition good. Feed supplies vary as to location, but many adequate.

ILLINOIS: Temperatures 2 to 5° below normal. Precipitation 0.25 to 0.90 in.; 0.10 in. extreme southwest. Snow 1 to 2 in. north.

Winter wheat good condition, fertilizing. Seeding clover. Quality stored grain good. Livestock good condition, supplemental feeding continuing, minimal disease, losses.

INDIANA: Cloudy and wet. Sunshine 48% of possible. Daily high temperatures 5° below normal. Daily lows 2° above normal. Temperatures ranged from 10 to 59°. Precipitation 0.80 in. Snowcover 2 in. near Lake Michigan. Soils frozen to 4 in. central and north.

Caring for livestock and preparing for spring. Some fertilizing, legume seeding and hauling manure. Cutting wood and maintaining equipment.

IOWA: Cold followed by mild weekend. Temperatures averaged from 1° below normal northwest to about 6° below normal northeast. Precipitation averaged near normal. Storm on March 5th left 3 to 5 in. of snow in a narrow band from west central through central into northeast.

KANSAS: Precipitation averaged from less than 0.10 in. north to little or none south. Local

accumulations of over 0.25 in. From 1 to over 3 in. snow along northern border. Temperatures ranged from 31° north central to 42° southeast and 33 to 37° elsewhere or from 4 to 5° below normal north central and southeast to from 1 to 2° below normal elsewhere.

Wheat beginning to green. Snowcover gone. Some blowing occurred central and south central on March 4. Fieldwork: 1.0 day available. Oat seeding less than 5%, near last year's pace, average 20%. Surface moisture mostly adequate.

KENTUCKY: Below normal temperatures, precipitation continued. Temperatures averaged 2 to 5° below normal. Precipitation averaged 0.50 to 1.00 in. Widespread snowcover gone.

Spring-like weather arrived weekend. Farmers spreading fertilizer, manure where soils dry. Pasture renovation and seeding grass seed some areas. Soils saturated. Tobacco growers preparing beds. Much concern over high fuel and fertilizer prices.

LOUISIANA: Temperatures 1 to 2° below normal. Extremes: 84 and 11°. Rain statewide.

Fieldwork: 3.4 days suitable. Soil moisture adequate to surplus. Spring plowing 23% complete. Shaving, off-barring sugarcane. Corn planting underway. Planting Irish potatoes, onions. Harvesting cabbage, greens. Small grains fair to good. Pastures fair. Livestock fair to good; supplemental feeding.

MARYLAND & DELAWARE: Temperatures averaged 5 to 10° lower than normal. Highs averaged upper 40's to low 50's. Lows averaged upper 20's to low 30's. Precipitation averaged 0.45 in. Weekend temperatures spring-like on 8th with a high of 70's. Lows in mid-40's. Much cooler 9th with high temperature the mid-50's and lows in mid-30's.

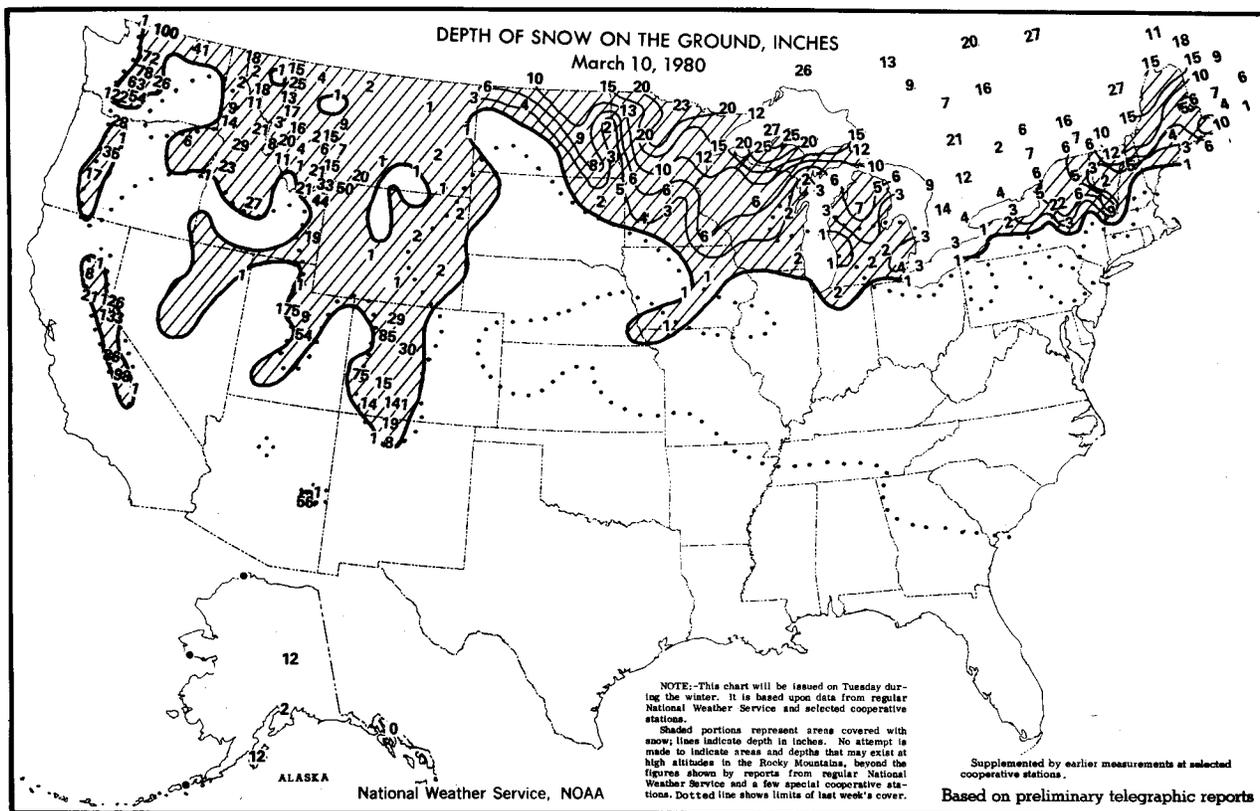
MICHIGAN: Cool with temperatures ranging 3 to 8° below normal. Average temperatures ranged from 13 to 19° across Upper and northern Lower, but substantially warmer across southern Lower Michigan by 23 to 27°. Precipitation generally below normal except for an early morning snowstorm which dumped 5 to 8 in. new snow over extreme southern Lower on 8th. Less than 0.10 in. precipitation fell over Upper and around 0.25 in. over central and northern Lower increasing to 0.75 in. over southern Lower.

Farm chores and feeding livestock main farm activities.

MINNESOTA: Temperatures averaged 8° below normal. Extremes: 42 and 18°. Precipitation averaged 0.22 in. below normal, except near normal south central and southeast. Precipitation totals ranged from less than 0.05 in. across most of north and west to 0.54 in. at Waseca. Snowfall trace northwest to 6 to 9 in. southeast. Snow depth trace to 3 in. southwest, 4 to 9 in. most of west, central and south; more than 18 in. north central.

MISSISSIPPI: Temperatures 5° below normal. Cold early week, warm late week. Extremes: 7 and 84°. Rain 4th and again late week.

Soil moisture adequate to surplus. Fieldwork: 2.6 days suitable. Rain slowed land preparation. Corn 3% planted, 2% last year. Winter wheat fair to good condition; 4% jointing, 2% last year. Pastures fair condition. Livestock fair to good condition. Hay and roughage supplies adequate. Feed grain supplies adequate to short. Diesel, gasoline, LP gas supplies adequate.



MISSOURI: Cold early week replaced by warm temperatures 6th and 7th. Average temperatures 7 to 9° below normal. Precipitation averaged from zero southwest to about 0.50 in. northeast prairie.

MONTANA: Very cold as temperatures averaged 7° below normal over southwest and west to 14° below normal north central. Elsewhere temperatures 9° below normal. Precipitation mostly moderate to heavy except over northeast where only light amounts fell.

Wind damage to winter wheat mostly light with moderate damage northeast and southwest. Snow-cover generally light except for west. Winter wheat condition fair. Livestock good condition. Calving and lambing losses running lighter than normal with 25% of calving and lambing complete. Shearing 30% completed.

NEBRASKA: Temperatures near to slightly below normal. Precipitation, as snow, averaged near 0.33 in.

NEVADA: Variable cloudiness and intermittent precipitation until late week. Temperatures averaged near normal. Extremes: 69 and 17°. Precipitation statewide. Snowpack in Sierras above 80 in.

Seedbed preparation starting south. Good progress calving and lambing. Mild weather easing feeding requirements livestock.

NEW ENGLAND: Cold temperatures early week gave way to near and above normal temperatures. Weak cold front 6th brought light rain or snow over region. Storm on 8th brought rain to southern and coastal regions and snow north. Precipitation 0.75 to 1.35 in. along coast to 3 to 5 in. of snow in north.

NEW JERSEY: Temperatures averaged 1 to 3° above normal. Extremes: 10 and 66°. Rainfall averaged 0.36 in. north, 0.32 in. central, 0.16 in. south. Soil temperature averaged 31° north, 38° central, 43° south.

Farmers caring for livestock, pruning fruit, tending to other normal chores.

NEW MEXICO: Rain and snow west and central early week and again on 7th. Totals generally light. Temperatures averaged 1 to 6° warmer than normal.

Open weather permitted outside activity to continue. Preplant operations continued southern areas. Irrigated wheat good condition, dryland poor to fair and needing moisture. Alfalfa starting to grow in south. Lettuce, onions making good progress. Ranges fair to good, showing some deterioration from lack of moisture. Weeds starting to grow. Cattle, sheep good condition; calving and lambing continues.

NEW YORK: Near normal average temperatures ranged from mid-20's in north country to mid-30's southeast. Above normal precipitation ranged from 1.50 in. Mohawk Valley to 0.50 in. north and west. Most precipitation was rain.

NORTH CAROLINA: Temperatures 5 to 10° below normal. Precipitation 0.50 to 2.00 in.

Soil moisture surplus. Conditions of wheat, oats, barley, rye fair to mostly good but declining; pastures mostly fair to good; tobacco beds fair to mostly good; potatoes fair to mostly good. Plantings of spring potatoes just underway. Supplies of hay, roughage, feed grains mostly adequate but declining. Major activities: Tending livestock, performing general maintenance, caring for plant beds, repairing machinery, removing snow. Some snow damage to poultry houses and plant beds.

NORTH DAKOTA: Temperatures, precipitation below normal except southwest, where normal. No major storms. Readings of -15 to -30° central and east and -5 to -15° west moderated to mid-30's and 40's by end of week. Extremes: -28 and 50°. Precipitation light; amounts from 0.10 in. west and south to 0.03 in. or less elsewhere.

Little change in dry conditions. Gradual melt of remaining snowcover. Calving and lambing underway. Stock generally excellent.

OHIO: Week began cool, but higher temperatures prevailed second half of week. High temperatures in low 40's north and near 70° south. Lowest temperature -5°. Rainfall ranged from 0.60 to 2.44 in. Soil temperatures below freezing north, but warmed to above freezing central. In south soil temperatures above freezing by weekend. Snowcover virtually gone except in parts of snowbelt northeast.

OKLAHOMA: Dry. Temperatures near normal.

Mild, open weather. Small grain growth development arrested by sharp cold snap February 29 through March 2. Crops did not respond to warmer temperatures until end week. Wheat crop rated good to fair condition. Cold weather previous weekend retarded growth and caused tip burn. Sorghum seedbeds prepared 15%, 15% 1979, 10% average. Fieldwork: 5.9 days suitable.

OREGON: Temperatures varied from about normal to as much as 5° above normal. Precipitation ranged from 0.30 to 0.60 in. west of Cascades, although a few spots at the coast measured over 1.00 in. Eastern precipitation from 0.10 to 0.50 in.

Soil moisture mostly adequate. Winter wheat condition mostly good to excellent in a few areas. Fertilization as weather permits; tilling getting underway. Livestock condition good. Range and pasture condition variable. Feed supply short. Grass beginning to green.

PENNSYLVANIA: Mildest and wettest week statewide this year. Temperatures averaged 3° below normal northwest to 6° above normal southeast with wide day to day fluctuations due to rapidly moving weather systems. Extremes: 6 and 68°. Precipitation, mostly as rain, 5 days with totals from 0.25 in. Pocono Mountains to 2.00 in. parts of west with 0.50 to 1.50 in. general. Severe thunderstorms 8th brought strong winds, hail and heavy rain brief periods over wide areas.

Normal winter chores.

PUERTO RICO: Island average rainfall 1.69 in. or 1.15 in. above normal. Temperatures averaged about 76° on coasts and 70 to 72° interior. Extremes: 91 and 52°.

SOUTH CAROLINA: Temperatures much below normal with snow covering most areas as week began; 2° above normal at closing. Extremes: -8 and 77°. Recurring rainfall generally above normal in most areas.

Much cropland remains wet, but discing, pre-plant pesticide, herbicide applications everywhere conditions permit. Tobacco plants good.

SOUTH DAKOTA: Average temperatures 1° above to 13° subnormal. Extremes: 55 and -17°. Precipitation 0.10 in. or less east; up to 0.55 in. west. Most snowcover gone.

Livestock good condition. Early lambing and calving progressing. Feed supplies plenti-

ful. Ranges and pastures fair to poor condition. Main activities: Livestock care, planning spring activities. Winter wheat and rye condition difficult to assess.

TENNESSEE: Week began cold, warming trend rest of week. Cold fronts 5th and 8th brought rain. Temperatures ranged from lows in 30's to weekend highs in 70's. Rain from 0.50 in. to 3.00 in. east.

Pastures and small grains fair. Cattle good. Hay supplies adequate. Tobacco beds being seeded.

TEXAS: Cold front pushed thru first part of week, no significant weather changes. Pacific front moved eastward during latter week, showers developing southeast Texas. Mean temperatures range from upper 40's Panhandle, northwest to lower 60's, Coast, South Texas. Temperatures 1 to 11° above normal. Precipitation range from less than 0.10 in. west, to 1.00 in. extreme east. Most sections did not receive any rainfall, only light amount coast, southeast Texas.

Cool temperatures and high winds early week; warming trend at weekend provided favorable conditions for planting corn, sorghum in lower Rio Grande Valley, Coastal Bend. Scattered fields south central, South Texas also being planted. Plains producers busy preparing fields for cotton planting, applying herbicides, fertilizers. Scattered showers did little to alleviate dry conditions. Small grains in need of rain. Winds dried topsoil Plains, Cross-Timbers but subsoil moisture adequate. Freezing temperatures caused some damage to small grains. Insect damage insignificant. Cotton planting moved rapidly Rio Grande Valley. Statewide cotton 3% planted, 0% 1979, 2% average. Warmer temperatures provided excellent conditions for planting and preparing fields. Cotton ginning near completion on Plains. Corn planting progressed in all areas except Plains where planting not begun. Corn 11% planted, 3% 1979, 8% average. Sorghum 15% planted, 2% 1979, 13% average. Major progress made in lower Valley, Coastal Bend. Few fields planted South, south central. Fuel supplies for farming improved slightly.

Lower Rio Grande Valley harvest carrots, cabbage, lettuce continued with light volume. Initial harvest spring onions began. Few fields cabbage shredded because of slow demand. Some melon fields replanted due to freeze damage. Harvest early and mid-season oranges; grapefruit neared completion. Valencia orange harvest active. San Antonio-Winter Garden area some freeze damage apparent to remaining winter vegetables; however, most harvest completed. Some onions, young cabbage suffered light freeze damage. Carrot harvest continued full swing and spring planting active. Coastal Bend some replanting cucumber necessary as frost damage apparent. Watermelons suffered slight damage. Central Texas land preparation continued for general planting of sweet corn, tomatoes, beans. East Texas land preparation, planting potatoes, onions, cabbage continued. North Texas planting onions, potatoes continued; only slight freeze damage observed. El Paso, early chili peppers emerging. Cabbage, onions good growth. High Plains, planting summer onions, potatoes continued. Land preparation fertilization active. Peach and plum trees beginning to bloom eastern half. Some freeze damage observed to buds and blooms, however, major producing areas were only lightly affected. High plains peaches beginning to bud.

Range, pasture growth received setback from recent freeze. New tender forage especially vulnerable to freeze damage. Moisture short many areas; grass extremely dry and fire hazard. Supplemental feeding continued, helped maintain livestock good condition. Cattle moved off wheatpastures where grain harvest planned. Sheep, goat shearing continued. Calving active.

UTAH: Recurring precipitation forepart period. Amounts generally light to moderate. Average temperatures 1 to 9° above normal.

Soil moisture adequate. Most livestock good condition. Some spring calving. Early lambing in progress on western ranges. Pruning fruit trees in progress. Snowfall accumulation locally very high with some avalanche damage to summer range.

VIRGINIA: Temperatures averaged a little above normal. Extremes: 68 and -2°. Rainfall averaged 0.25 to 0.50 in.; greatest amount southwest.

Snow, cold at beginning of period hampered fieldwork, increased livestock feed needs, caused some newborn calf and lamb deaths. Mild conditions at end of period melted snow, hinted at spring. Topsoil moisture adequate to surplus. Fieldwork: 0.4 day available. Pastures, winter grains good to excellent. Soil temperatures high enough for wheat and barley growth. Roughage, feed supplies adequate to ample. Farm fuel supplies mostly adequate. Activities: Sowing tobacco plant beds in southwest burley area; snow removal; pruning fruit trees, grape vineyards.

WASHINGTON: West: Temperatures averaged 3° above normal; precipitation below normal.

Pruning and tying caneberries near completion. Harvest of rhubarb, daffodils continued. Tulips,

grasslands showing good growth. Some cultivation but most areas too wet. Cattle on feed with hay supplies short.

East: Temperatures averaged slightly above normal; precipitation near normal.

Spring wheat planting begun. Winter wheat crop good condition, slight winterkill damage. Tree fruit and grape pruning continued. Calving and lambing progressing. Hay supplies short and expensive.

WEST VIRGINIA: Temperatures below normal except northeast. Coldest temperatures of winter on 3d. Extremes: 78 and -14°; old record 1° in 1925. Precipitation above normal. Some hail 8th.

Soil moisture adequate to surplus. Less than 1 day suitable for farmwork. Supplies of hay, grain, other seeds adequate. Fuel supplies adequate to tight.

WISCONSIN: Temperatures below normal. Seasonal highs in 30's beginning and end of week but colder teens and 20's midweek. Lows teens or less, with below zero readings north and central mornings 6th to 8th. Extremes: 43 and -12°. Snow 2 to 5 in. south 4th, less than 1 in. north. Snow 1 to 3 in. west central and southwest 6th, and 1 to 3 in. northwest 9th. Frost depths averaged 33 in. as of 7th, increase of 4 in. from two weeks earlier. Snow depths averaged 5 in., increase of 1 in. from two weeks earlier. Soil temperature 28° at 6 in. depth.

WYOMING: Temperatures averaged below normal. Maximums varied drastically from overnight minimums. Extremes: 54 and -13°. Precipitation generally above normal.

Livestock mostly good. Early calving, lambing underway. Supplemental feed supplies adequate. Winter wheat mostly good.

International Weather and Crop Summary

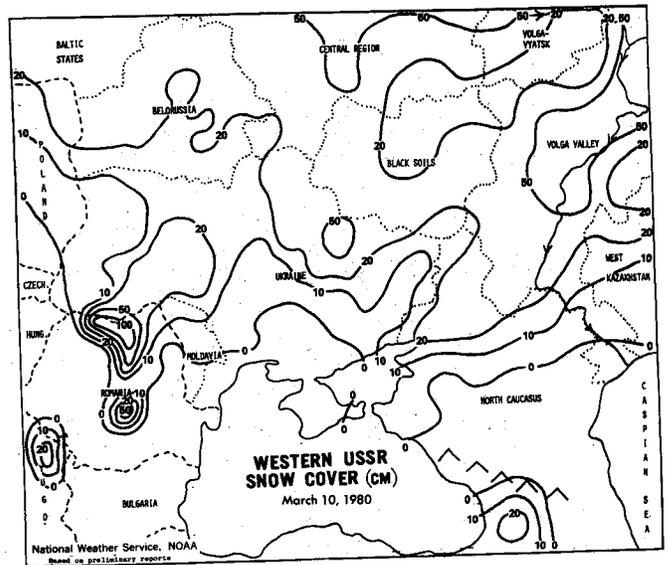
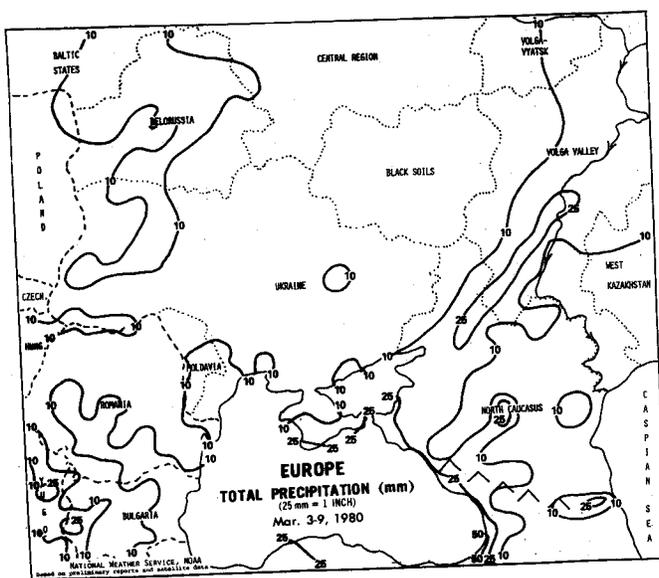
March 3 - 9

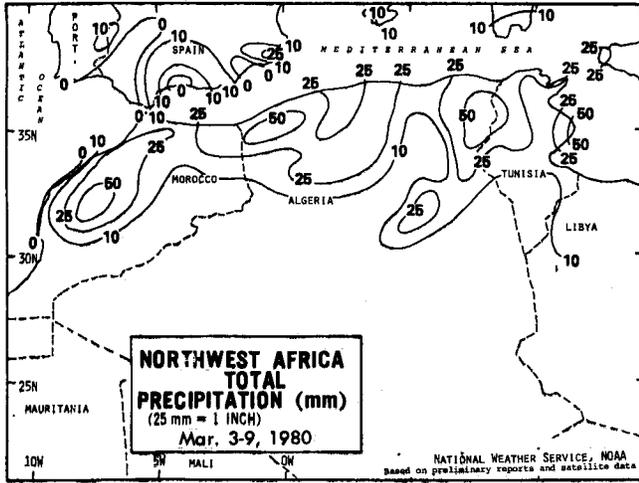
HIGHLIGHTS:

- USSR.** Winter grains dormant...snowcover adequate against cold in the northeast.
- EUROPE.** Winter grains mostly dormant, except in Spain...moderate precipitation in the northwest.
- CHINA.** Wheat dormancy breaking in many areas...precipitation spreading to the north.
- INDIA.** Wheat should be in heading stage...widespread rainfall in northern half of the belt.
- AFRICA.** Northwestern: winter grains nearly heading*...widespread beneficial rains.
South: most maize mature*...mostly light rains.
- ARGENTINA.** Soybeans flowering and podding...generally adequate soil moisture.
- BRAZIL.** Harvesting soybeans in Parana...generally favorable conditions.
Soybeans podding in Rio Grande do Sul...continued beneficial rainfall.
- MEXICO.** Heavy harvesting of vegetables...sunny and dry.
Cotton and grain sorghum planting...warm soils.

*Based on normal crop calendar information.

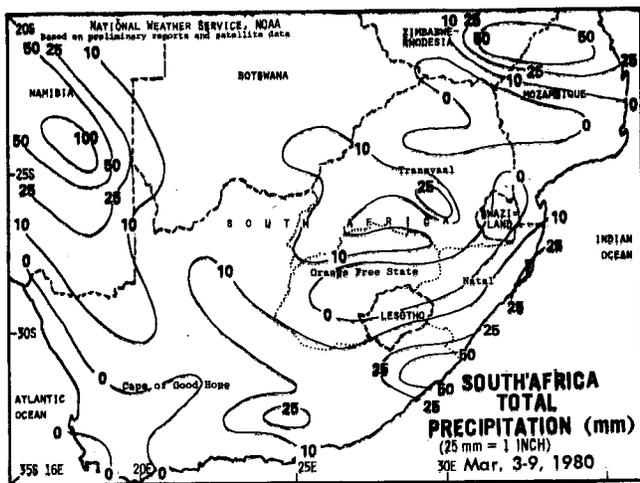
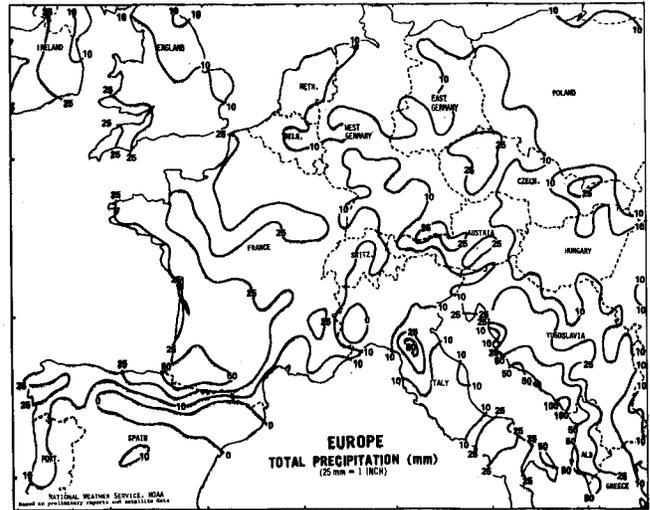
USSR. Much of the Ukraine and Black Soils Region received only light precipitation, but Belorussia and western portions of the Ukraine recorded above-normal totals of 10 to 25 mm. Similar amounts fell in a band from Rostov Oblast northeastward into the Volga Valley, providing additional protection before low temperatures down to -20°C pushed into northeastern portions of the winter grain belt over the weekend. Rising temperatures in extreme southern portions of the belt have not yet reached a point at which growth might resume.



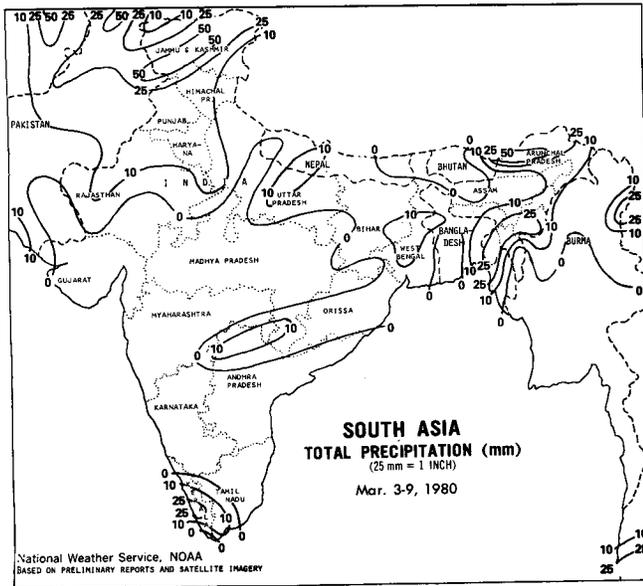


NORTHWESTERN AFRICA. Widespread abundant precipitation doused winter grain areas as a storm moved across the north during the week. This moisture, added to totals of the previous 2 weeks, improved conditions markedly, especially in Morocco and central Tunisia, as winter grains neared the heading stage. Very few areas escaped this beneficial precipitation.

EUROPE. A stationary storm system dropped near-normal precipitation over much of Europe. Heavier rains occurred where winds brought moist, oceanic air up against mountains in France, Yugoslavia, and Austria. East European crop areas stayed drier because the system simply could not advance to the east. Temperatures remained marginal for winter wheat growth in the northwestern areas, but growth continued in Spain and most of Italy. Only light moisture fell in Spain last week, but totals from previous weeks carried wheat through adequately.

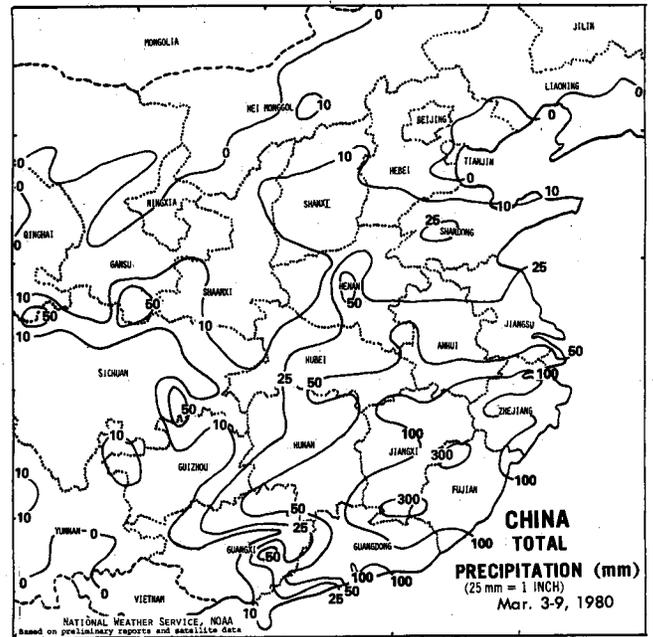


SOUTH AFRICA. Dry weather returned to the southern half of the Maize Triangle as the crop neared maturity. Above-normal rains fell only in a band across the north, and probably had no effect on maize yields.

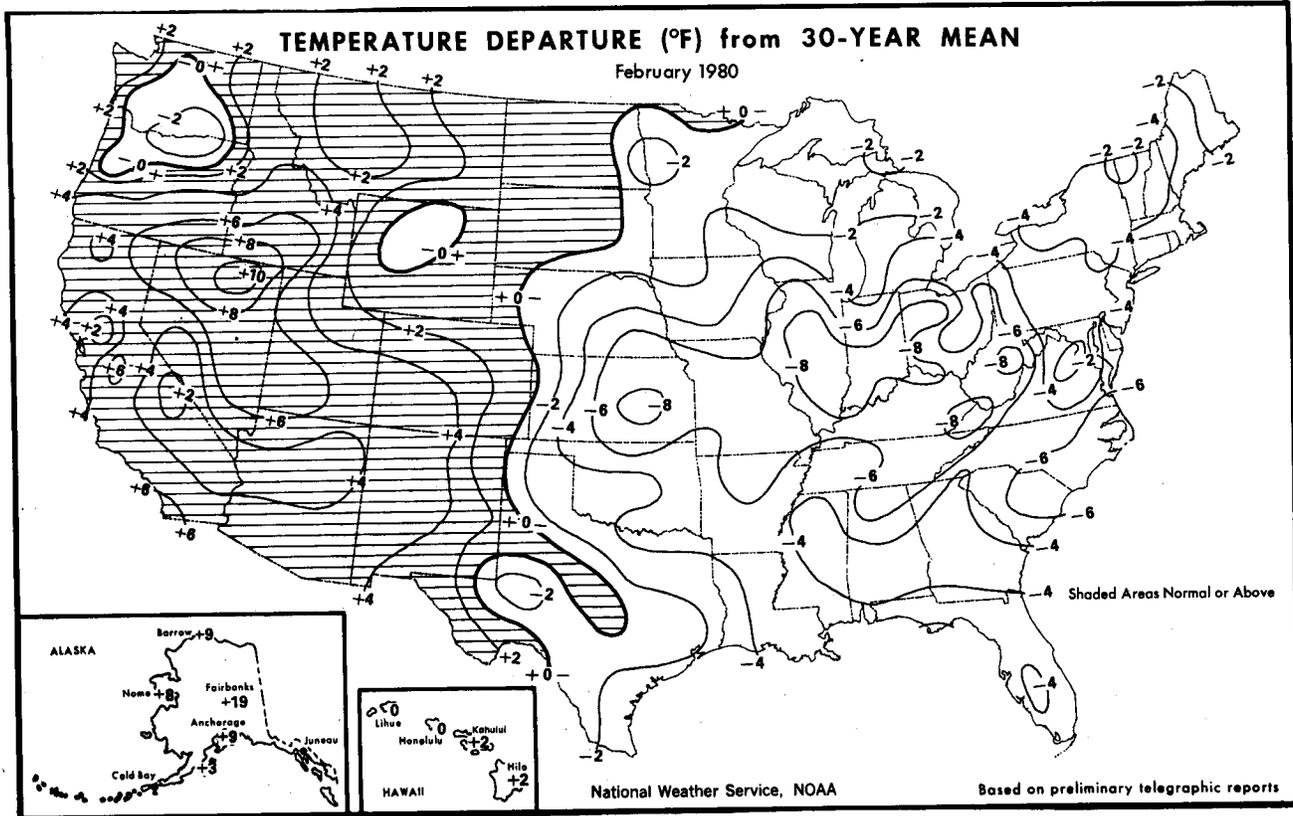


INDIA. A line of thunderstorms moved across the northern half of the wheat belt, with all stations in the area reporting thunderstorm activity, some of it severe. Resulting rainfall of 20 to 30 mm reached as far southeast as Agra (in western Uttar Pradesh), and while some damage was probably sustained due to hail and high winds, the timely rainfall benefited unirrigated wheat immensely. However, other wheat fields in Uttar Pradesh, Madhya Pradesh and Rajasthan received only light amounts, and conditions for unirrigated wheat remained poor.

CHINA. Above-normal rainfall continued to shift further northward across the North China Plain, and together with continued warm conditions, pushed renewed growth of wheat almost to the Yellow River. Rainfall over nearly all major crop areas ranged two to four times normal, with amounts of 10 to 20 mm falling over the major wheat belt and from 50 to over 300 mm south of the Yangtze River. Such an early advance of the rains will do much to improve growing conditions for winter wheat.



NATIONAL WEATHER SERVICE, NOAA
Based on preliminary reports and satellite data



February Weather Summary

HIGHLIGHTS: Storms out of the southern Pacific Ocean brought torrential rain to southern California and heavy rain to parts of Arizona. Warm air, borne eastward by the westerly flow, enveloped the entire Nation by midmonth. Winter temperatures were temporarily displaced by the warmer air, but by the end of the month, winter returned to the East with a vengeance when a frigid arctic airmass moved out of Canada. Precipitation for the month ranged well above normal for most of the area west of the Rockies but fell short of normal in the East.

Winter was in full swing as February began. Very cold air chilled all of the Nation except the Southwest and the extreme northern Plains. Freezing temperatures reached into Florida--as far south as Tampa and Orlando on the 2d and 4th of February. Warming began in the West and northern Plains during the period of February 4-10, but the central Plains and the Southeast remained much colder than normal.

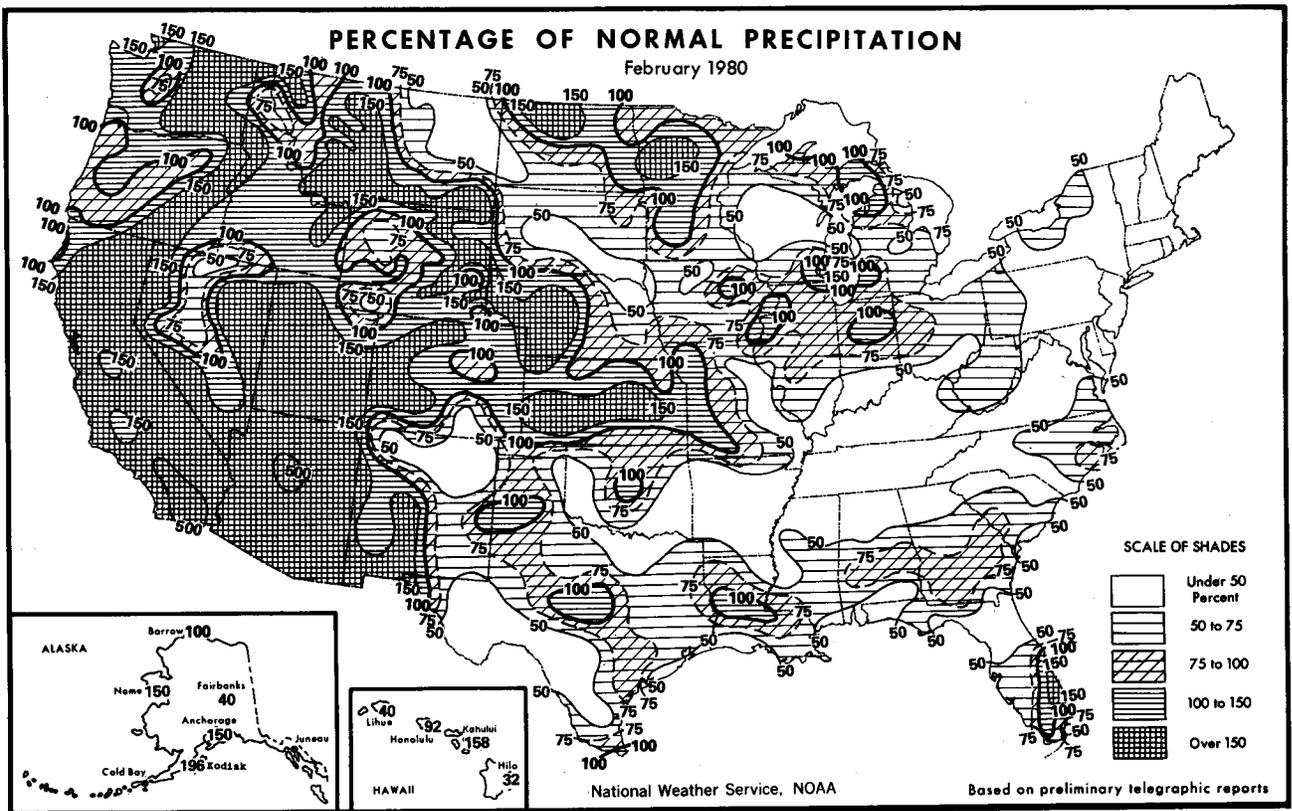
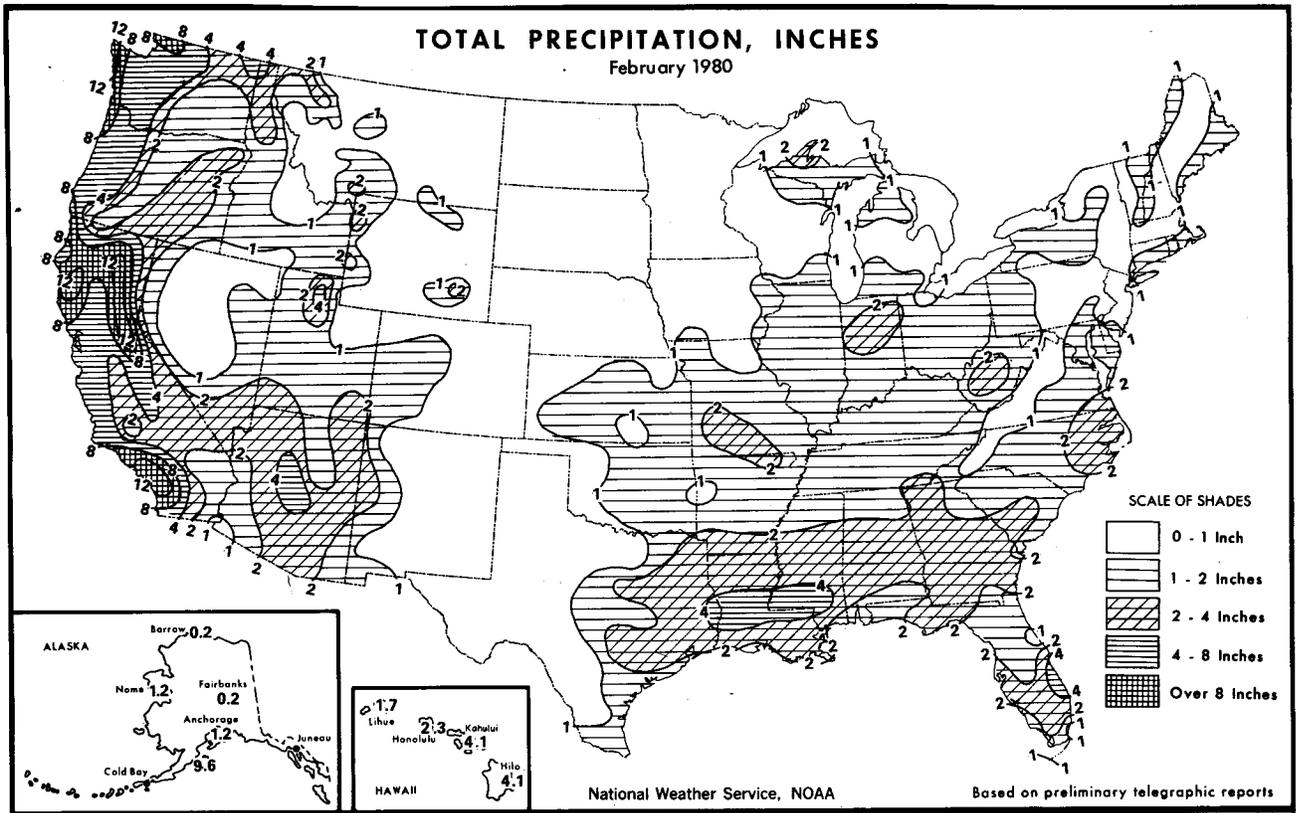
Seasonally heavy rain--snow at high elevations--persisted in the Pacific Northwest during the first 10 days of February, but southern California spent the period drying out from previous deluges. Elsewhere, snow lay down a protective blanket in the central Plains. By February 10th, up to a foot of snow covered Kansas. Rain was heavy from eastern Texas through Georgia, and heavy snow fell in parts of the Appalachians and mid-Atlantic States.

Heavy rain returned to southern California during the week of February 11-17. The hills around Los Angeles recorded as much as 20 inches. Rain was heavy throughout the State and into Arizona; flooding and property loss resulted. Precipitation

fell comparatively lightly through the rest of the Nation in this second week of February. Snow dusted Montana and Wyoming and was somewhat heavier from the lower Ohio Valley through New England. Light rain in West Texas increased in intensity as it edged eastward through the Gulf Coast States. Warm weather persisted in the Southwest. The northern States from North Dakota through New England neared normal. Temperatures averaged much colder than normal from central Montana through the central Plains.

The series of storms from the southern Pacific Ocean continued to plague southern California, Arizona, and the central Plateau during most of the week of February 18-24, but the storms moved further north by the end of the week. Warm weather moved across the entire United States with a westerly flow of air. Snowcover receded to the mountain ridges, the upper Mississippi Valley, and New England. Light to moderate rain fell in the area east of the Mississippi River. Temperatures, averaged from the week, ranged as much as 9 degrees above normal in many parts of the Nation.

Warm weather continued to the midpoint of the last 5 days of February; however, an arctic airmass spilled out of Canada through the Dakotas and spread rapidly southward and eastward. Many record low temperatures were established as the frigid air enveloped areas east of the Rockies. Snow fell from Montana through the Great Lakes and in the Midwest. Light amounts fell in parts of the central Plains. Heavy rain fell along the West Coast earlier in the week. At monthend, the cold air clashed with warm, moist air from the Gulf of Mexico and an intense storm was building in southern Louisiana; heavy rain fell along the coast.



Temperature and Precipitation Data for February 1980

States and Stations	Temperature of		Precipitation Inches		States and Stations	Temperature of		Precipitation Inches		States and Stations	Temperature of		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	42	- 5	2.4	- 2.9	LA. Baton Rouge . . .	50	- 4	3.6	- 1.2	Youngstown . . .	21	- 6	1.3	- 1.1
Mobile . . .	50	- 4	1.6	- 3.2	Lake Charles . . .	52	- 3	2.2	- 2.3	OKLA. Okla. City . . .	38	- 3	1.3	- 0
Montgomery . . .	48	- 3	3.3	- 1.0	New Orleans . . .	52	- 4	3.1	- 1.7	Tulsa . . .	37	- 4	1.3	- .4
ALASKA Anchorage . . .	27	19	1.2	.4	Shreveport . . .	48	- 3	3.1	-.6	OREG. Astoria . . .	46	- 2	9.6	1.8
Barrow . . .	-10	9	.2	.0	MAINE Caribou . . .	12	- 1	.8	- 1.3	Burns . . .	35	- 4	2.0	.8
Fairbanks . . .	16	19	.2	-.3	Portland . . .	21	- 2	1.4	- 2.1	Medford . . .	46	- 5	1.8	-.6
Juneau . . .	16	19	.2	-.3	MD. Baltimore . . .	32	- 3	1.1	- 1.7	Pendleton . . .	36	- 3	1.4	.3
Kodiak . . .	34	3	9.6	4.7	MASS. Boston . . .	28	- 2	.9	- 2.6	Portland . . .	42	- 1	4.0	.9
Nome . . .	13	8	1.2	.4	Chatham . . .	17	- 1	1.2	-.7	Salem . . .	43	0	4.0	-.8
ARIZ. Flagstaff . . .	33	3	7.8	6.3	MICH. Alpena . . .	28	- 1	1.5	-.9	PA. Allentown . . .	27	- 2	1.0	- 1.8
Phoenix . . .	61	3	2.1	1.5	Detroit . . .	22	- 5	1.0	-.8	Erie . . .	21	- 4	1.3	-.8
Tucson . . .	58	4	2.9	2.2	Flint . . .	20	- 4	1.9	-.7	Harrisburg . . .	29	- 3	.8	- 1.6
Winslow . . .	42	3	1.4	1.0	Grand Rapids . . .	23	- 2	1.8	-.3	Philadelphia . . .	30	- 4	1.0	- 1.6
Yuma . . .	64	5	.7	.4	Houghton Lake . . .	16	- 2	.7	-.5	Pittsburgh . . .	24	- 5	1.3	- 1.1
ARK. Fort Smith . . .	38	- 5	.7	- 2.5	Lansing . . .	20	- 4	1.0	-.6	Scranton . . .	24	- 4	.7	- 1.3
Little Rock . . .	39	- 6	1.3	- 3.1	Marquette . . .	13	- 1	1.5	-.2	R.I. Providence . . .	27	- 2	1.2	- 2.3
CALIF. Bakersfield . . .	56	4	1.0	0	Muskegon . . .	22	- 3	.7	- 1.1	S.C. Charleston . . .	46	- 5	1.3	- 2.0
Eureka . . .	53	5	4.7	-.5	S. Ste. Marie . . .	12	- 3	.8	-.7	Columbia . . .	41	- 7	1.9	- 1.8
Fresno . . .	54	4	3.3	1.6	MINN. Duluth . . .	11	- 1	.6	-.3	Greenville . . .	39	- 5	1.2	- 3.2
Los Angeles . . .	61	5	9.1	6.8	Internatl Falls . . .	15	- 1	.6	-.1	S.D. Aberdeen . . .	15	0	.4	-.2
Red Bluff . . .	54	4	7.8	4.6	Minneapolis . . .	8	- 2	.7	-.1	Huron . . .	19	- 1	.5	-.3
San Diego . . .	64	7	4.5	3.0	Rochester . . .	15	- 2	.5	-.2	Rapid City . . .	27	- 1	.5	-.5
San Francisco . . .	54	3	7.6	4.6	St. Cloud . . .	12	- 1	.8	0	Sioux Falls . . .	18	- 1	.5	-.5
Stockton . . .	55	6	2.7	.6	MISS. Jackson . . .	46	- 4	2.0	- 2.6	TENN. Chattanooga . . .	37	- 6	2.2	- 3.0
COLO. Denver . . .	35	2	.5	-.2	Meridian . . .	47	- 3	3.4	- 1.5	Knoxville . . .	37	- 6	1.8	- 2.9
Grand Junction . . .	38	4	1.1	.5	MO. Columbia . . .	27	- 7	1.4	-.4	Memphis . . .	40	- 4	1.1	- 3.6
Pueblo . . .	37	2	1.1	-.2	Kansas City . . .	25	- 7	1.4	-.1	Nashville . . .	36	- 5	1.4	- 3.0
CONN. Bridgeport . . .	28	- 3	1.1	- 1.6	St. Louis . . .	28	- 7	1.5	-.6	TEX. Abilene . . .	48	0	.7	-.3
Hartford . . .	24	- 3	1.0	- 2.2	Springfield . . .	32	- 5	2.6	.4	Amarillo . . .	38	- 2	.6	0
D.C. Washington . . .	36	- 1	1.2	- 1.3	MONT. Billings . . .	29	2	.8	-.2	Austin . . .	53	0	2.3	-.8
FLA. Apalachicola . . .	54	- 2	1.9	- 1.9	Glasgow . . .	16	1	.1	-.2	Beaumont . . .	53	- 2	1.9	- 2.3
Daytona Beach . . .	55	- 5	.8	- 2.1	Great Falls . . .	28	1	1.0	-.2	Brownsville . . .	61	- 2	1.7	-.2
Ft. Myers . . .	61	- 4	1.0	- 1.0	Havre . . .	21	3	.4	0	Corpus Christi . . .	58	- 2	1.0	- 1.0
Jacksonville . . .	51	- 5	1.1	- 2.5	Helena . . .	25	0	.7	.3	Del Rio . . .	56	0	.4	-.6
Key West . . .	67	- 5	.9	-.6	Kalspell . . .	27	2	1.9	-.9	El Paso . . .	51	3	.7	.3
Lakeland . . .	64	- 4	.9	- 1.1	Miles City . . .	24	2	.3	-.2	Fort Worth . . .	47	- 2	.8	- 1.6
Miami . . .	57	- 5	1.6	- 1.4	Missoula . . .	30	3	.6	-.1	Galveston . . .	53	- 3	.8	- 1.9
Orlando . . .	50	- 5	2.2	- 2.6	NEBR. Grand Island . . .	24	- 4	.7	-.1	Houston . . .	54	- 1	2.5	- 1.0
Tallahassee . . .	57	- 5	2.0	-.9	Lincoln . . .	22	- 6	.6	-.3	Lubbock . . .	44	- 1	.4	-.1
Tampa . . .	57	- 5	2.0	-.9	Norfolk . . .	21	- 3	.5	-.3	Midland . . .	46	- 2	.3	-.3
W. Palm Beach . . .	61	- 5	3.9	1.3	N. Platte . . .	26	- 2	.8	-.3	San Angelo . . .	49	- 1	.8	0
GA. Atlanta . . .	42	- 3	2.7	- 1.7	Omaha . . .	22	- 4	.8	-.2	San Antonio . . .	54	- 1	.7	- 1.4
Augusta . . .	43	- 5	3.2	- 2.6	Valentine . . .	24	- 1	.7	.2	San Antonio . . .	55	- 2	1.8	-.5
Macon . . .	47	- 3	2.4	- 1.0	NEV. Ely . . .	35	7	1.1	.5	Victoria . . .	49	- 2	1.8	-.6
Savannah . . .	49	- 3	1.3	- 1.6	Las Vegas . . .	53	4	2.3	2.0	Waco . . .	37	4	.6	-.6
HAWAII. Hilo . . .	73	2	4.1	- 8.8	Reno . . .	41	4	1.9	1.0	Wichita Falls . . .	37	4	2.9	2.0
Honolulu . . .	72	0	2.3	-.2	Winnemucca . . .	42	8	.4	-.4	UTAH. Blanding . . .	37	4	2.9	1.1
Kahului . . .	74	2	4.1	1.5	N.H. Concord . . .	19	- 4	.8	- 1.7	Salt Lake City . . .	36	3	2.3	1.1
Lihue . . .	71	0	1.7	- 2.6	N.J. Atlantic City . . .	29	- 5	.8	- 2.6	VT. Burlington . . .	18	- 1	.7	- 1.0
IDAHO. Boise . . .	40	4	1.3	-.1	Trenton . . .	30	- 3	1.0	- 1.7	VA. Lynchburg . . .	34	- 4	1.1	- 1.7
Lewiston . . .	40	2	1.6	.7	N. MEX. Albuquerque . . .	44	4	.6	-.2	Norfolk . . .	35	- 6	2.9	-.4
Pocatello . . .	35	6	1.1	-.3	Roswell . . .	45	2	.2	-.2	Richmond . . .	36	- 3	1.0	- 2.0
ILL. Cairo . . .	34	- 6	1.6	- 2.2	N.Y. Albany . . .	20	- 4	.9	- 1.2	Roanoke . . .	34	- 4	.7	- 2.4
Chicago . . .	22	- 4	1.2	-.1	Binghamton . . .	20	- 3	1.1	- 1.2	WASH. Colville . . .	33	2	3.4	2.0
Moline . . .	19	- 7	1.6	-.3	Buffalo . . .	21	- 3	1.1	- 1.5	Omak . . .	31	1	3.6	2.5
Peoria . . .	20	- 8	1.1	-.4	New York . . .	31	- 2	1.0	- 2.1	Quillayute . . .	44	3	13.1	1.1
Rockford . . .	17	- 7	1.1	-.2	Rochester . . .	20	- 5	1.2	- 1.2	Seattle-Tacoma . . .	44	2	5.0	.8
Springfield . . .	22	- 8	1.4	-.4	Rochester . . .	20	- 5	1.2	- 1.2	Spokane . . .	35	3	1.9	.2
IND. Evansville . . .	27	- 9	1.3	- 2.0	Syracuse . . .	20	- 5	1.4	- 1.4	Walla Walla . . .	38	- 2	1.6	.2
Ft. Wayne . . .	20	- 8	2.2	-.1	N.C. Asheville . . .	35	- 4	.5	- 3.1	Yakima . . .	34	- 2	1.3	.5
Indianapolis . . .	23	- 8	1.8	-.6	Charlotte . . .	39	- 5	1.3	- 2.5	W.VA. Beckley . . .	26	- 7	1.8	- 1.5
South Bend . . .	24	- 2	1.5	-.4	Greensboro . . .	36	- 5	1.8	- 1.6	Charleston . . .	30	- 7	2.3	-.8
IOWA. Burlington . . .	22	- 5	1.5	-.2	Hatteras . . .	39	- 7	2.4	- 1.8	Huntington . . .	29	- 7	1.7	- 1.2
Des Moines . . .	21	- 3	1.6	-.5	Raleigh . . .	37	- 5	1.9	- 1.4	Parkersburg . . .	28	- 7	1.3	- 1.5
Dubuque . . .	18	- 4	1.2	-.1	Wilmington . . .	42	- 6	1.5	- 1.9	WISC. Green Bay . . .	17	- 1	.4	-.6
Sioux City . . .	20	- 3	1.4	-.5	N. DAK. Bismarck . . .	15	- 1	.3	-.1	La Crosse . . .	18	- 2	.4	-.4
KANS. Concordia . . .	25	- 7	1.1	-.2	Fargo . . .	8	- 3	.6	-.2	Madison . . .	16	- 4	.6	-.4
Dodge City . . .	30	- 5	1.5	.9	Williston . . .	15	- 1	.3	-.2	Milwaukee . . .	20	- 3	1.8	.7
Goodland . . .	32	0	.5	-.1	OHIO. Akron-Canton . . .	23	- 5	1.6	-.6	WYO. Casper . . .	28	1	.6	.1
Topeka . . .	26	- 7	.9	-.1	Cincinnati . . .	24	- 9	1.0	- 2.0	Cheyenne . . .	29	0	.7	.2
Wichita . . .	28	- 8	.8	-.2	Cleveland . . .	22	- 6	1.3	-.9	Lander . . .	25	- 1	.5	-.2
KY. Lexington . . .	28	- 7	1.2	- 2.2	Columbus . . .	25	- 5	1.4	-.9	Sheridan . . .	25	- 1	.9	.1
Louisville . . .	30	- 6	1.1	- 2.4	Dayton . . .	23	- 7	1.7	-.5	P.R. San Juan . . .	79	3	1.7	-.9
					Toledo . . .	21	- 6	1.0	-.8					

Based on 1941-70 normals

Heating Degree Days (Base 65° F.)

February 1980

ALA. Birmingham	657	MAINE, Caribou	1534	OKLA. Okla. City	771
Mobile	454	Portland	1284	Tulsa	801
Montgomery	499	MD. Baltimore	967	OREG. Astoria	529
ALASKA, Anchorage	1084	MASS. Boston	1071	Burns U.	862
Barrow	2186	Chatham	1050	Medford	556
Fairbanks	1415	MICH. Alpena	1390	Pendleton	829
Juneau	--	Detroit	1233	Portland	647
Nome	1501	Flint	1288	Salem	627
ARIZ. Flagstaff	930	Grand Rapids	1221	PA. Allentown	1087
Phoenix	130	Houghton Lake	1424	Erie	1275
Tucson	202	Lansing	1308	Harrisburg	1034
Winslow	672	Marquette U	1508	Philadelphia	1016
Yuma	58	S. Ste. Marie	1520	Pittsburgh	1177
ARK. Fort Smith	772	MINN. Duluth	1573	Scranton	1175
Little Rock	765	Internatl Falls	1646	R.I. Providence	1104
CALIF. Bakersfield	266	Minneapolis	1436	S.C. Charleston	555
Eureka U.	331	Rochester	1442	Columbia	680
Fresno	319	St. Cloud	1541	Greenville	737
Los Angeles U	113	MISS. Jackson	709	S. DAK. Aberdeen	1452
Red Bluff	319	Meridian	540	Huron	1343
Stockton	301	Vicksburg U	--	Rapid City	1094
San Diego	50	MO. Columbia	1108	Sioux Falls	1349
San Francisco	298	Kansas City	1118	TENN. Chattanooga	813
COLO. Denver	876	St. Louis	1074	Knoxville	815
Grand Junction	741	Springfield	941	Memphis	733
Pueblo	749	MONT. Billings	1033	Nashville	848
CONN. Bridgeport	1063	Glasgow	1404	TEX. Abilene	496
Hartford	1174	Great Falls	1066	Amarillo	788
D.C. Washington	830	Havre	1239	Austin	357
FLA. Apalachicola	406	Helena	1148	Beaumont	377
Ft. Myers	164	Kalispell	1084	Brownsville	180
Jacksonville	406	Miles City	1195	Corpus Christi	247
Key West	45	Missoula	1018	Dallas	--
Daytona Beach	297	NEBR. Grand Island	1191	Del Rio	279
Miami	95	Lincoln	1241	El Paso	410
Orlando	245	Norfolk	1258	Fort Worth	530
W. Palm Beach	151	North Platte	1102	Galveston U.	348
Tallahassee	442	Omaha	1241	Houston	350
Tampa	262	Valentine	1189	Lubbock	592
GA. Atlanta	668	NEV. Ely	866	Midland	535
Augusta	631	Las Vegas	335	San Angelo	453
Macon	534	Reno	702	San Antonio	333
Savannah	489	Winnemucca	667	Victoria	309
IDAHO, Boise	725	N. H. Concord	1324	Waco	475
Lewiston	730	N. J. Atlantic City	1050	Wichita Falls	649
Pocatello	876	Trenton U	998	UTAH, Milford	810
ILL. Cairo U.	898	N. MEX. Albuquerque	595	Salt Lake City	835
Chicago	1254	Roswell	587	VT. Burlington	1371
Moline	1324	N. Y. Albany	1303	VA. Lynchburg	901
Peoria	1300	Binghamton	1294	Norfolk	872
Rockford	1380	Buffalo	1265	Richmond	835
Springfield	1249	New York	988	Roanoke	893
IND. Evansville	1103	Rochester	1306	WASH. Colville	925
Fort Wayne	1294	Syracuse	1302	Omak	--
Indianapolis	1224	N. C. Asheville	861	Quillayute	591
South Bend	1195	Charlotte	750	Seattle-Tacoma	610
IOWA, Burlington	1228	Greensboro	834	Spokane	880
Des Moines	1265	Hatteras R.	750	Walla Walla U.	773
Dubuque	1357	Raleigh	820	Yakima	902
Sioux City	1287	Wilmington	670	W. VA. Beckley	1130
KANS. Concordia	1154	N. DAK. Bismarck	1435	Charleston	1017
Dodge City	996	Fargo	1644	Huntington	1033
Goodland	936	Williston U	1447	Parkersburg U.	1057
Topeka	1123	OHIO. Akron-Canton	1202	WIS. Green Bay	1380
Wichita	1063	Cincinnati U.	1182	Madison	1424
KY. Lexington	1057	Cleveland	1224	Milwaukee	1290
Louisville	1021	Columbus	1148	WYO. Casper	1081
LA. Baton Rouge	433	Dayton	1217	Cheyenne	1027
Lake Charles	376	Toledo	1256	Lander	1145
New Orleans	384	Youngstown	1270	Sheridan	1171
Shreveport	494				

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

WATER SUPPLY OUTLOOK FOR THE WESTERN UNITED STATES
 Issued as of March 1, 1980

The table below shows the runoff forecast in percent of the 15-year (1963-77) average. The forecasts are for the remainder of the water year except for the full water year for the Sacramento and San Joaquin Basins; April 1 to September 30, 1980, for the Columbia, Missouri, Yellowstone, and North Platte Basins; April 1 to July 31, 1980, for the Snake; November 1, 1979 to June 30, 1980, for the Little Colorado Basins; and January 1 to June 30, 1980, for the Gila Basin. The publication "Water Supply Outlook for the Western United States", issued as of March 1, 1980, contains the complete water supply forecasts for about 375 stations in the western United States.

River	Stations	Forecast 1,000 Acre-feet	Percent 15-year average
Columbia	Grand Coulee, WA	57,700	85
Columbia	The Dalles, OR	85,100	82
Snake	Lower Granite, WA	18,000	78
Sacramento	Red Bluff, CA	9,800	109
San Joaquin	Big Creek, CA	2,000	156
Weber	Gateway, UT	371	120
Jordan	Utah Lake, UT	395	162
Truckee	L. Tahoe-Farad	355	130
Colorado	L. Powell infl.	10,000	144
Green	Green River, UT	4,000	134
San Juan	Bluff, UT	1,500	173
Little Colo.	Woodruff, AZ	57	471
Gila	Solomon, AZ	268	263
Rio Grande	San Marcial, NM	850	259
Arkansas	Pueblo, CO	412	157
Missouri	Ft. Peck, MT	2,368	48
Yellowstone	Sidney, MT	5,629	72
North Platte	Glendo, WY	1,032	107

National Weather Service
 and Soil Conservation Service, USDA

CROP PRODUCTION HIGHLIGHTS

CITRUS production is expected to total 15.8 million tons, 1 percent above last month and 19 percent above the 1978-79 crop.

ORANGE production is forecast at 262 million boxes, fractionally above the February 1 forecast and 25 percent above last season. By March 1, harvest of the U.S. crop was 45 percent complete.

GRAPEFRUIT production, forecast at 68.8 million boxes, is 2 percent above the February 1 forecast and 3 percent above the 1978-79 crop. About 53 percent of the crop had been harvested by March 1.

LEMON prospects at 21.5 million boxes, are 10 percent above last month's forecast and 11 percent above 1978-79.

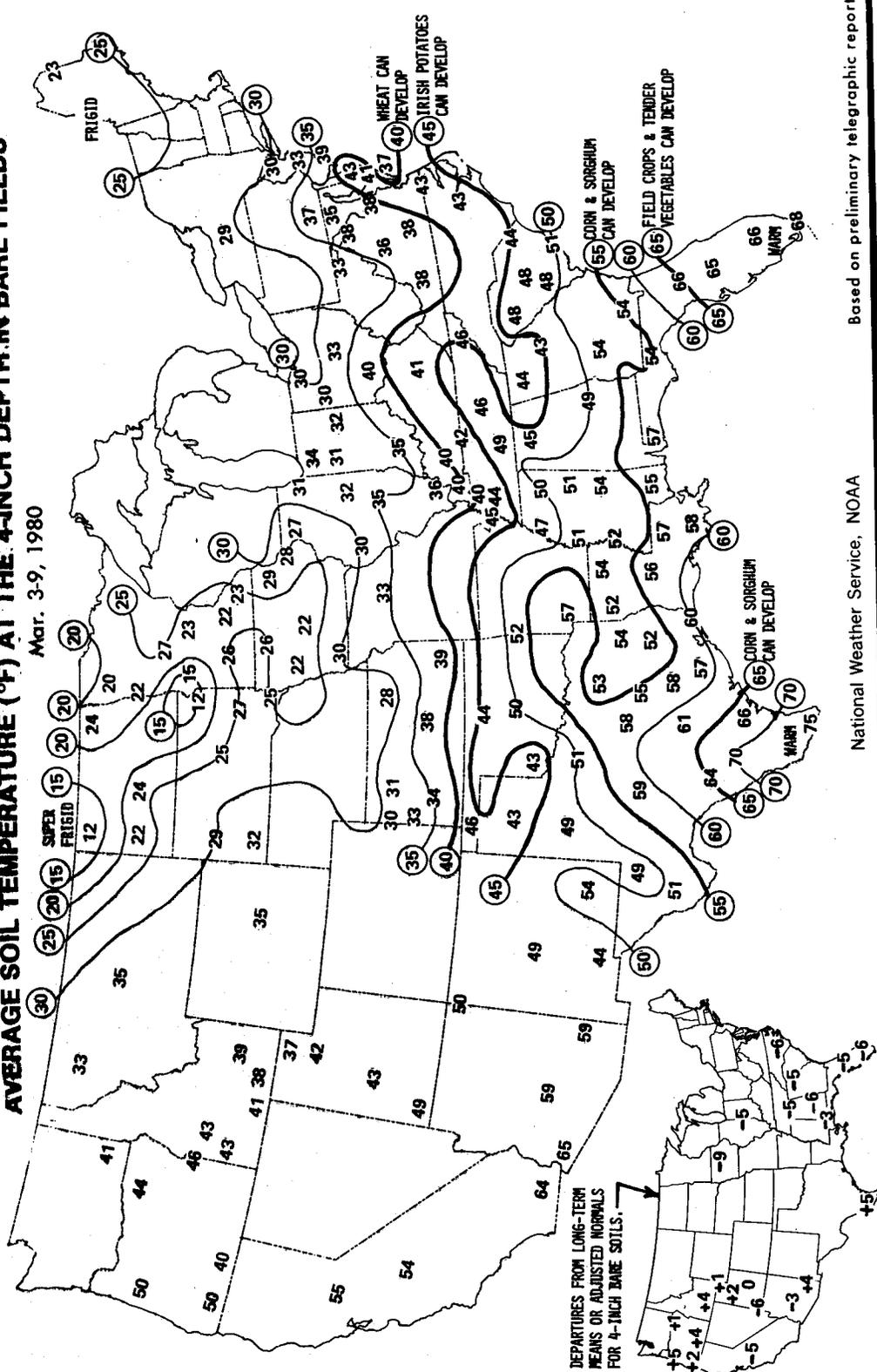
WINTER POTATO production is forecast at 2.36 million cwt, down 1 percent from both the February 1 forecast and the 1979 crop.

SPRING POTATO area for harvest is estimated at a record low 75.6 thousand acres, down 10 percent from last season (the previous record low) and 17 percent below the 1978 total.

Crop Reporting Board, ESCS, USDA

AVERAGE SOIL TEMPERATURE (°F) AT THE 4-INCH DEPTH IN BARE FIELDS

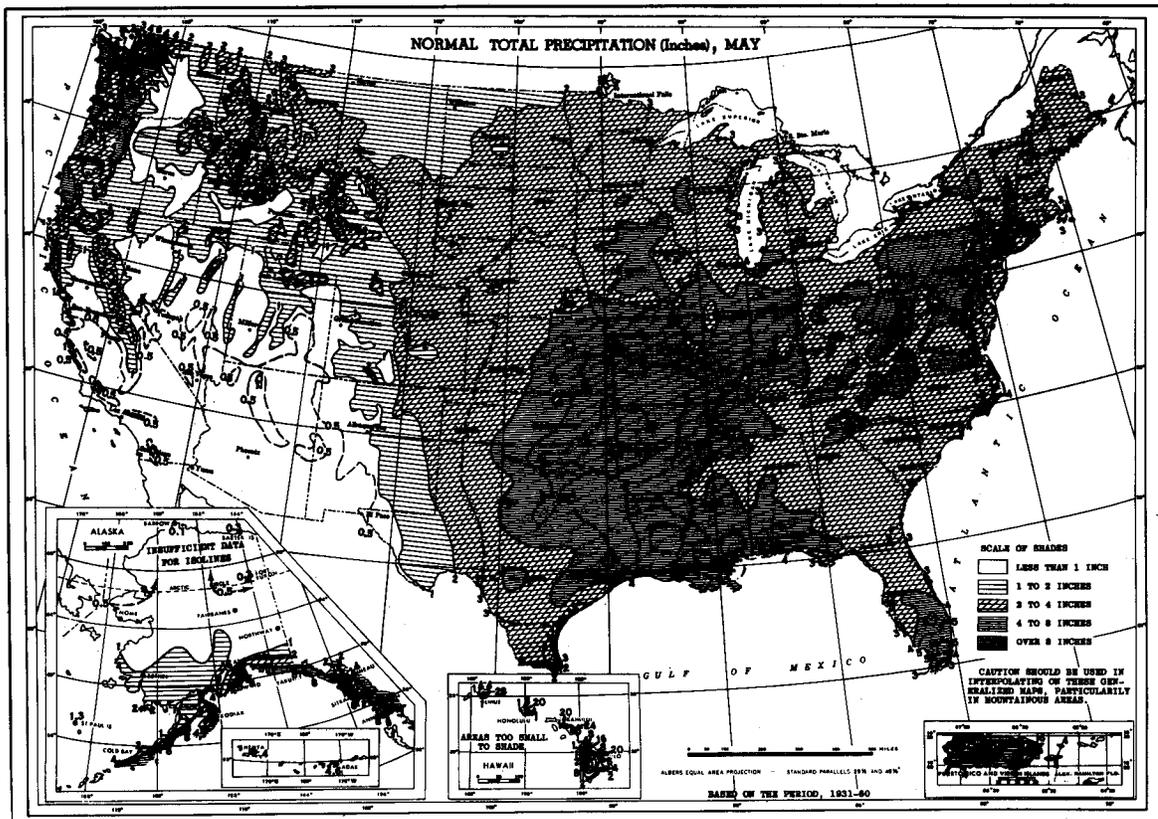
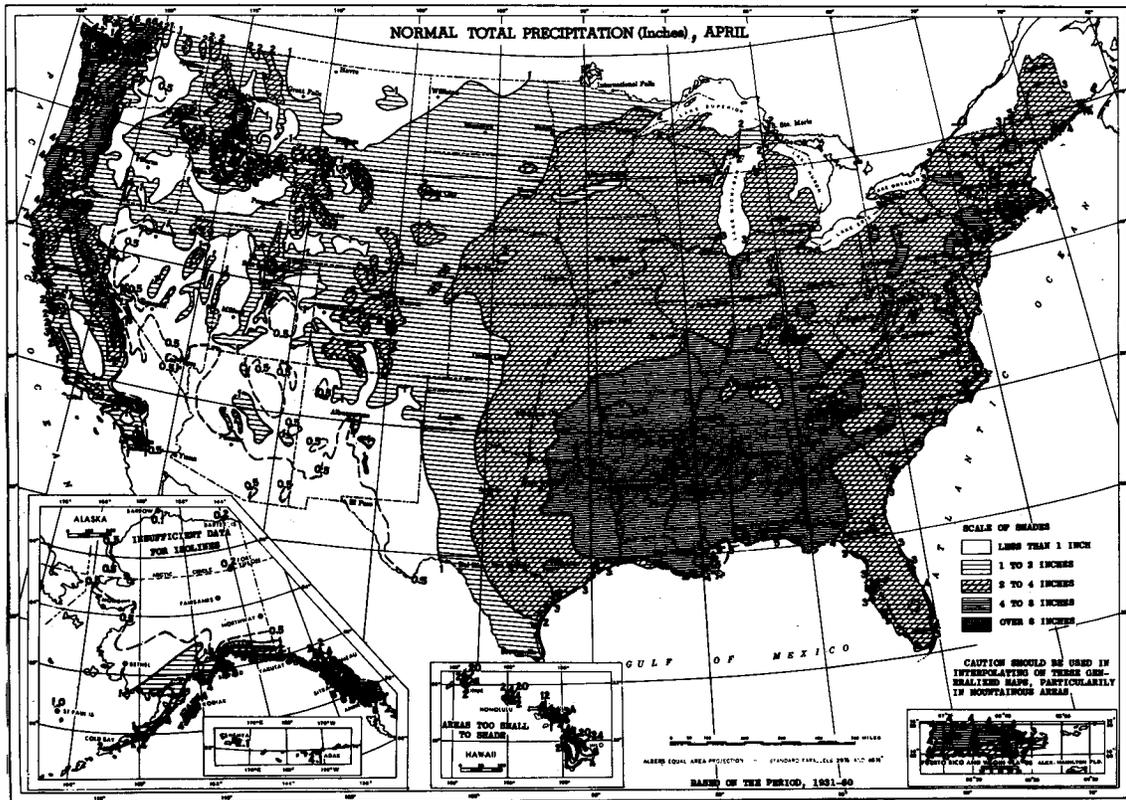
Mar. 3-9, 1980



DEPARTURES FROM LONG-TERM MEANS OR ADJUSTED NORMALS FOR 4-INCH BARE SOILS.



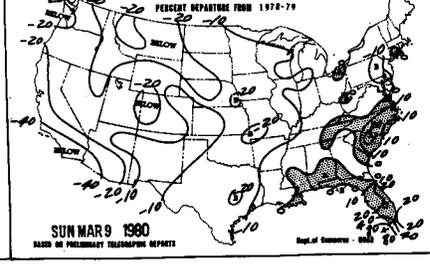
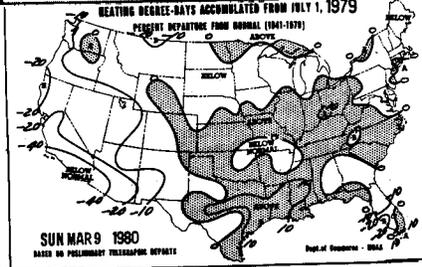
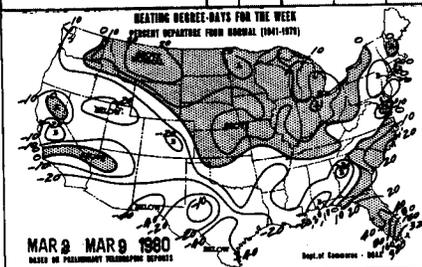
National Weather Service, NOAA
Based on preliminary telegraphic reports



HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING MAR. 9, 1980.

BASED ON 1941-70 NORMALS. + ACCUMULATION FROM JULY 1, 1979.

Table with columns for STATES AND STATIONS, WEEKLY DEPARTURE, SEASONAL ACCUMULATION, and DEPARTURE FROM 1978-79. Rows list various cities across the United States.



Agricultural Weather Facility
USDA South Bldg., Room 3526
Washington, D.C. 20250

IMMEDIATE - U. S. Weather Report

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