

WEEKLY WEATHER AND CROP BULLETIN

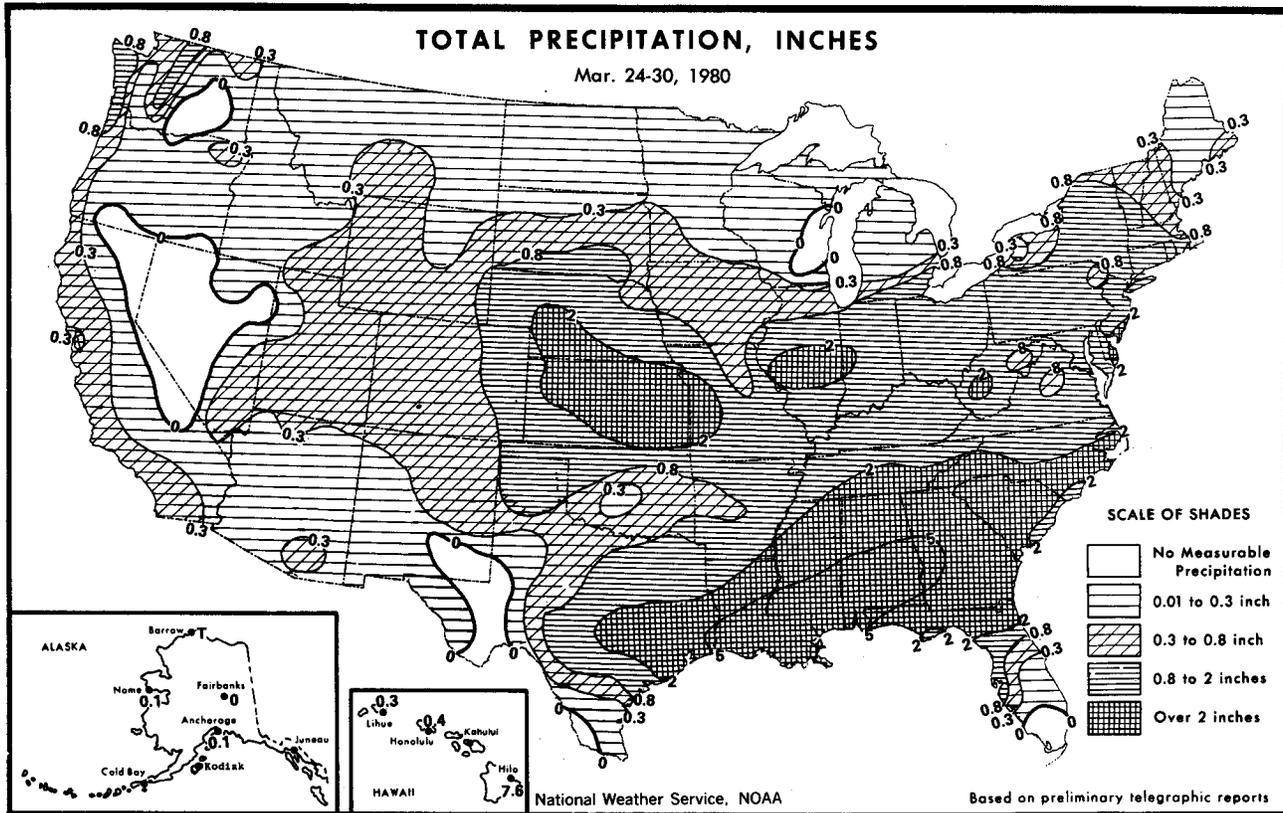
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National Weather Summary

March 24 - 30

HIGHLIGHTS: Heavy rains and severe weather battered an area from East Texas through the southeastern United States and brought many operations to a standstill.

Storm systems developing in the central Rockies spread heavy snow throughout that area and the central Plains intermittently during the week. High winds built heavy drifts, while temperatures hovering near the freezing mark caused difficult conditions.

Moderate rain fell from the central Mississippi Valley to the Atlantic Coast.

Temperatures ranged warmer than normal in the northern tier of States and Florida. Cooler than

normal readings covered the Plateau Region and central Rockies.

On Monday, a low pressure system spread rain from the Mississippi Valley to the Atlantic Coast. Some rainfall totals showed about three-quarters inch at Quincy, western Illinois, and Birmingham, Ala.; nearly an inch at Knoxville, eastern Tennessee; and an inch and one-third at Millville, southern New Jersey.

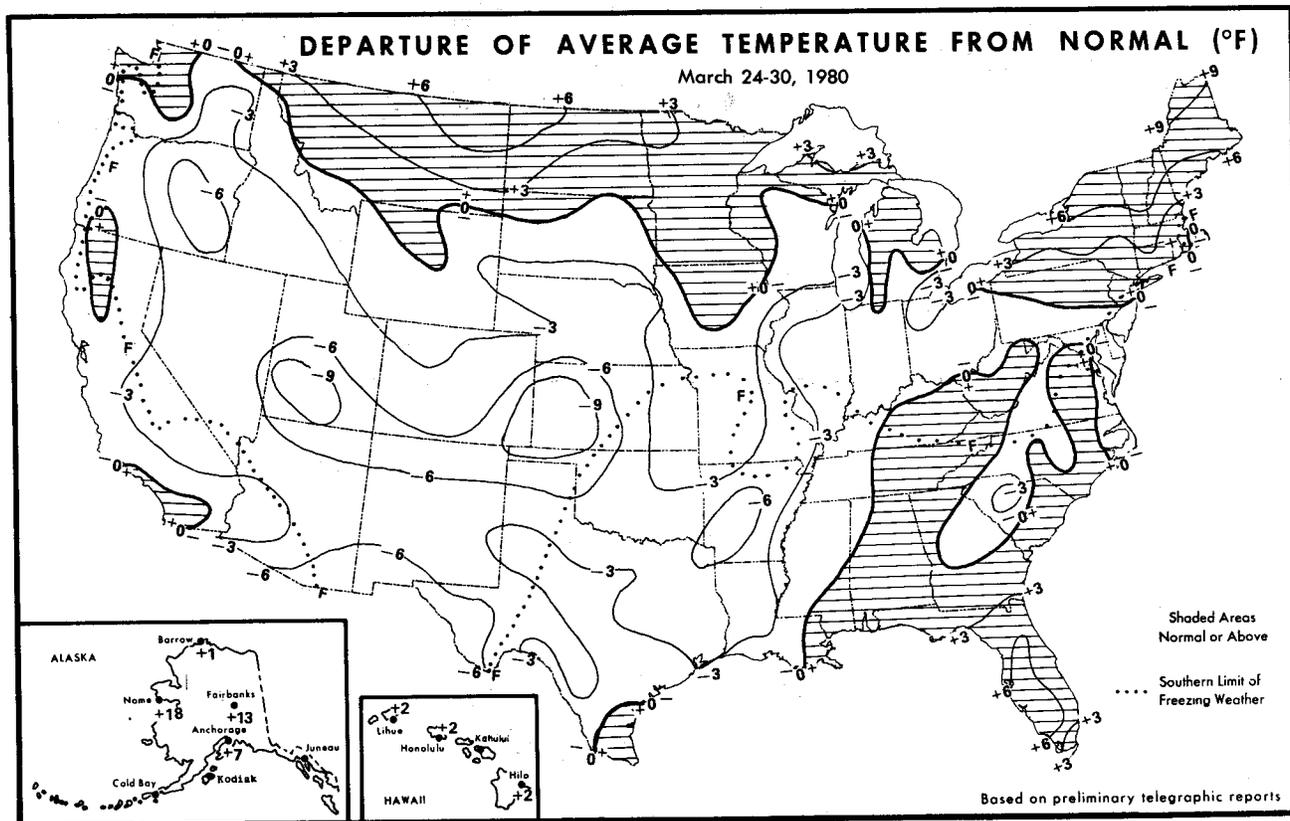
A tornado touched down at Murfreesboro, Tenn., southeast of Nashville.

Snow and rain also ranged over the Plateau Region and Rockies; Milford, southwestern Utah, scored nearly an inch of rain.

The mercury climbed to 84° at Mobile, southern Alabama, knocking off the 1907 high temperature mark by 1 degree.

Light rain fell along the upper East Coast, over the West Coast, and in parts of Texas on Tuesday. Amounts stayed below an inch.

Meantime, a major storm geared up over the Plateau Region, dumping snow from Montana and Utah to the west central Plains. The snow that



fell at Cheyenne, Wyo., pushed the season's total to 101 inches, topping the 75-year-old record of 100.8 inches.

Snow persisted from the Rockies across the upper half of the Plains to the upper Mississippi Valley on Wednesday.

Rain continued on the West Coast and over Texas and Louisiana, and began in Arizona and Florida. Portions of Louisiana received an inch or more, keeping the ground saturated and posing the threat of flooding.

Thursday's storm over the Nation's midsection produced a variety of weather. Snow fell heavily in the upper half of the Plains, while intense downpours, tornadoes, and hail bore down from Texas to Alabama.

Up to a foot of snow blanketed sections of Colorado, Kansas, and Nebraska. The snow at Scottsbluff, western Nebraska, broke a 60-year-old record, piling up more than 64 inches for the 1979/80 snowfall season.

Six inches of rain deluged Beaumont, eastern Texas, while 2 to 4 inches doused Austin, Tex., Lake Charles, southwestern Louisiana, and Greenwood, west central Mississippi. The rain at Huntsville, northern Alabama, established a March record of nearly 15 inches.

Twisters raced over parts of West Texas and the Texas Panhandle; golfball-sized hail peppered towns in those areas.

Dismal weather stretched from the Plains to the Atlantic Seaboard on Friday.

More than a foot of snow rested on the ground with snow continuing at Goodland, western Kansas, and North Platte, central Nebraska.

Heavy rains stormed from the Gulf Coast through the Ohio and Tennessee Valleys to the Atlantic Coast. Amounts included 1 to 2 inches at Meridian, eastern Mississippi, Chattanooga, southeastern Tennessee, and Pensacola, in the Florida Panhandle.

Precipitation records continued to fall. Goodland, Kans., erased its 68-year-old snowfall record with 79.3 inches this season. North Platte, Nebr., broke a single-day March snowfall mark with 13 inches. Chattanooga set a new rainfall mark for March.

Snow persisted over the central Plains, and intense storms soaked an area from eastern Texas to the Florida Panhandle on Saturday.

North Platte, Nebr., bested its new 24-hour March snowfall record with 15.2 inches, and also notched a record for the most snow on the ground in March--18 inches.

While more than an inch of rain fell on sections of North Carolina, the Gulf Coast Region lay saturated with waterways swelling. Two to more than 3 inches of rain spanned the region. Heavy hail and tornadoes also contributed to the problems.

All the while, another storm system carrying snow entered the northern Rockies from the Pacific Northwest.

On Sunday, snow lingered over the central Plains with prospects of more to come.

Up to a foot of snow whitened parts of Montana, Utah, and Colorado, and surged toward the Plains.

One to 2 inches of rain soaked many States in the Mississippi Valley, Deep South, and Southeast.

The rain at Augusta, eastern Georgia, made for a new March record of nearly 12 inches. Charlotte, southern North Carolina, followed suit with a new third-month mark of 8.7 inches of rain.



National Agricultural Summary

March 24 - 30

HIGHLIGHTS: Storms swept through the eastern two-thirds of the Nation bringing snow to the west central Plains and rains throughout most of the Corn Belt and Southeast. The snow caused livestock producers serious problems but should provide ample moisture for the winter wheat. The rains continued to delay fieldwork limiting plowing and spring planting to lighter, better drained soils. Farmers had only 1 to 3 days suitable for fieldwork. Winter wheat rated fair to mostly good and improving. Early stands headed on the southern Plains, but winterkill became more apparent in the Northwest. Wet, cool weather slowed cotton planting. Corn planting remained confined to the South. Rice seeding lagged the average because rains temporarily delayed activity. Pastures rated fair to good, but saturated soils limited grazing. Western rangeland needed higher temperatures to produce better growth. Northern deciduous fruit growers pruned and sprayed trees. Peach bloom extended into South Carolina. Wet soils delayed vegetable land preparation and planting activities except in California, Texas, and Florida.

SMALL GRAINS: Winter wheat generally rated fair to good and showed improvement where above-normal temperatures prevailed. Freeze burn was evident in the Southeast but should produce no serious effects. Winterkill turned up somewhat more than originally expected in the Northwest. Early stands began heading on the southern Plains. The central Plains received substantial amounts of precipitation in the form of both snow and rain which should provide ample soil moisture when snows melt.

Kansas wheat had plenty of water for spring growth, but subnormal temperatures limited response. Recent light rains in Oklahoma aided plant growth as the crop began jointing. Rains also helped the Texas crop; early stands began heading. Colorado wheat rated good to very good.

Spring grain planting advanced slowly lagging recent years because of wet soils and subnormal temperatures. Kansas oats and barley seeding stood at 25%, 5 points below last year and half the average. Colorado oats and barley seeding reached 5% and 6%, respectively, edging ahead of last year but well behind the average. Idaho spring wheat planting stood at 11%.

OTHER CROPS: Cotton planting centered from Texas westward. Soil temperature and wetness determined where growers were able to conduct seeding activities. California cotton planting advanced slowly because few areas enjoyed conditions favorable for germination. Arizona cotton planting reached 40% in the west and 5% in the central valley. Texas planting reached 10%, falling 1 point below last year but 1 point above average. Rains and low soil temperatures delayed progress. Georgia farmers had not planted any cotton, but in recent years, had 2 to 3% planted by this time.

Corn planting advanced slowly across the South because of the rainy weather. Only Texas, at 36%

planted, was ahead of recent years. Georgia corn planting stood at 19%, well behind last year's 61% and the 37% average; growing conditions kept the crop in only poor to fair condition.

Grain sorghum planting remained centered in Texas where 54% was planted, well ahead of last year's 33% and the 40% average. Stands in southern Texas attained a height of 6 inches.

Rice planting lagged along the Gulf Coast because of the rain and wet soils. Louisiana planting stood at 18%, and Texas planting reached 25%. California rice growers burned stubble in preparation to plant the 1980 crop.

FRUIT & NUTS: Growers pruned and sprayed deciduous fruit trees in northern areas. Peach bloom was in or past peak from Texas to South Carolina. Peach trees in southern Texas began leafing out. Texas pecan buds were swelling. Early walnut varieties bloomed in California's northern Sacramento Valley.

Florida citrus groves rated excellent. Soil moisture was short until light showers during the week and more general weekend rain brought additional moisture. Many citrus trees were past peak bloom. The early and midseason orange harvests were in the wrap-up stage. Texas growers harvested Valencias; citrus trees bloomed. Arizona citrus harvests advanced seasonally; grapefruit harvests held steady; Valencia picking increased; and tangerine-type fruit tapered off. California's Navel harvest continued in central areas.

VEGETABLES: Most vegetable activity was confined to the extreme South; however, South Carolina growers reported good progress, planting tomatoes, cucumbers, snap beans, and melons. Florida's vegetable shipments increased 4% from the previous week; only supplies of carrots, cauliflower, chinese cabbage, squash, strawberries, and tomatoes declined. Texas vegetable producers harvested onions, cabbage, and carrots. Rains and wet soils slowed fieldwork and required some replanting. California vegetable producers harvested good supplies of broccoli, cauliflower, celery, and lettuce. Farmers planted some market tomatoes in the San Joaquin Valley. Processing-tomato planting was heavy in the Sacramento Valley and continued in the San Joaquin Valley.

PASTURES & LIVESTOCK: Pastures throughout northern areas of the Nation were not yet greening and rated only fair to good in the South where wet conditions limited grazing. In the West, soil moisture proved adequate, but subnormal temperatures limited growth. Cattle producers in the Northwest moved herds to grazing land as early as possible because of the shortage and high price of hay. Livestock generally rated fair to good as calving and lambing continued. Losses of newborn were reported light in most areas; however, the severe weather in the central Plains stressed livestock.

Weather Data for the Week Ending March 30, 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	Temperature °F		Precipitation		
														90 and above	32 and below	.01 inch or more	.50 inch or more	
ALA. Birmingham . . .	66	48	74	41	57	0	3.6	2.3	2.2	14.7	263	94	57	0	0	6	2	
Mobile . . .	69	55	84	46	62	-1	7.3	5.7	4.4	11.9	183	93	64	0	0	4	3	
Montgomery . . .	67	54	74	46	60	0	5.5	4.2	1.8	9.9	180	91	64	0	0	5	4	
ALASKA. Anchorage . . .	40	29	42	26	34	7	.1	0	.1	.3	75	81	62	0	0	1	0	
Barrow . . .	-6	-15	5	-23	-11	1	1	1	1	0	0	68	67	0	0	0	0	
Fairbanks . . .	42	15	45	7	28	13	0	.1	0	.2	50	56	42	0	7	0	0	
Kodiak . . .	45	34	49	25	40	7	1.2	.4	.6	1.3	37	86	59	0	1	5	1	
Nome . . .	33	25	36	15	28	18	.1	0	.1	.8	114	66	60	0	7	2	0	
ARIZ. Flagstaff . . .	42	22	50	18	32	-5	.2	.2	.1	4.9	250	78	44	0	0	4	0	
Phoenix . . .	71	49	79	45	60	-2	2	1.1	1.1	.9	150	63	22	0	0	1	0	
Tucson . . .	67	42	75	38	54	-6	.7	.6	.6	1.2	300	65	15	0	0	2	1	
Winslow . . .	53	33	62	24	43	-5	.1	0	.1	.5	125	--	--	0	3	3	0	
Yuma . . .	75	50	84	47	63	-3	.1	.1	.1	.5	167	43	16	0	0	1	0	
ARK. Fort Smith . . .	57	42	70	39	50	-6	.7	.7	.4	3.1	94	88	60	0	0	4	0	
Little Rock . . .	57	42	74	40	50	-6	.7	.4	.4	4.6	105	87	65	0	0	3	0	
CALIF. Bakersfield . . .	70	45	79	43	58	-1	.3	.1	.3	1.3	186	--	--	0	0	1	0	
Eureka . . .	53	43	55	39	48	-1	.4	.6	.4	6.0	136	88	69	0	0	2	0	
Fresno . . .	65	41	75	39	53	-3	.1	.3	.1	1.8	113	81	36	0	0	1	0	
Los Angeles . . .	66	50	74	46	58	-2	.5	.1	.3	2.2	110	78	52	0	0	2	0	
Red Bluff . . .	68	43	75	38	55	0	.1	.4	.1	1.9	83	62	29	0	0	1	0	
San Diego . . .	69	54	80	49	61	-2	.4	.3	.3	2.5	150	74	60	0	0	2	0	
San Francisco . . .	62	43	70	38	53	-1	.2	.3	.2	2.2	96	88	46	0	0	1	0	
Stockton . . .	67	41	74	35	54	-1	.2	.2	.2	.9	53	39	39	0	0	1	0	
COLO. Denver . . .	45	28	54	25	37	-4	.7	.4	.3	1.0	91	70	47	0	6	4	0	
Grand Junction . . .	50	30	57	26	40	-5	.5	.3	.3	1.9	317	75	38	0	5	3	0	
Pueblo . . .	51	27	61	20	39	-5	.3	.1	.3	.7	140	--	44	0	6	2	0	
CONN. Bridgeport . . .	47	37	50	33	42	-1	1.3	.5	.6	6.3	197	75	53	0	0	4	1	
Hartford . . .	51	34	58	28	42	2	.8	.1	.5	5.9	174	85	44	0	3	3	0	
D.C. Washington . . .	58	43	63	37	51	1	1.7	1.0	.8	4.2	135	81	62	0	0	4	1	
FLA. Apalachicola . . .	72	60	75	54	66	2	1.3	.2	.9	3.3	75	81	68	0	0	4	1	
Daytona Beach . . .	79	63	87	56	71	5	.7	0	.3	2.0	65	89	62	0	0	3	0	
Ft. Myers . . .	87	67	90	58	77	6	T	.7	T	.1	4	98	58	1	0	0	0	
Jacksonville . . .	77	59	83	54	68	4	2.1	1.3	1.2	6.7	209	85	59	0	0	5	1	
Key West . . .	84	75	85	73	80	4	0	.4	0	0	0	89	67	0	0	0	0	
Miami . . .	84	72	87	67	78	5	0	.5	0	0	0	86	62	0	0	0	0	
Orlando . . .	83	64	88	56	73	5	.1	.7	.1	.5	16	94	51	0	0	4	0	
Tallahassee . . .	74	57	80	48	65	2	2.5	1.3	.9	10.6	200	85	56	0	0	5	3	
Tampa . . .	80	66	86	59	73	5	.9	.1	.4	1.9	54	92	68	0	0	3	0	
W. Palm Beach . . .	84	68	87	61	76	4	T	.8	T	0	0	89	64	0	0	1	0	
GA. Atlanta . . .	66	48	74	43	57	2	4.3	3.0	3.0	11.3	217	91	61	0	0	6	1	
Augusta . . .	65	48	78	44	57	-1	4.1	3.1	2.0	11.7	272	91	59	0	0	6	3	
Macon . . .	65	52	73	44	59	-2	3.4	2.3	1.0	11.7	249	93	72	0	0	6	3	
Savannah . . .	72	53	81	49	62	-1	2.5	1.6	.9	7.7	193	89	57	0	0	6	2	
HAWAII. Hilo . . .	--	--	--	--	73	2	7.6	4.6	--	46.9	381	--	--	0	0	--	--	
Honolulu . . .	80	70	82	69	75	2	.4	.3	.2	3.0	100	84	55	0	0	4	0	
Kahului . . .	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	--	--	
Lihue . . .	--	--	--	--	74	2	.3	.7	--	2.7	63	--	--	0	0	--	--	
IDAHO. Boise . . .	51	26	56	21	38	-6	.2	0	.1	2.2	244	80	32	0	7	2	0	
Lewiston . . .	52	33	58	28	43	-3	.1	.1	.1	1.3	163	73	43	0	3	2	0	
Pocatello . . .	42	27	52	23	34	-5	.4	.2	.1	1.4	175	73	40	0	7	6	0	
ILL. Cairo . . .	55	44	63	39	49	-3	1.4	.3	.7	4.5	105	--	--	0	0	5	1	
Chicago . . .	43	32	51	28	38	-4	.6	.1	.2	1.8	72	84	61	0	4	4	0	
Moline . . .	45	32	54	25	38	-4	.7	0	.4	1.7	74	85	62	0	3	3	0	
Peoria . . .	47	34	58	26	41	-3	1.3	.5	.6	2.8	108	80	62	0	3	4	2	
Rockford . . .	42	30	50	21	36	-4	.4	.3	.3	.9	36	86	62	0	4	4	0	
Springfield . . .	47	36	59	30	42	-4	2.3	1.5	1.4	4.3	165	92	72	0	1	3	2	
IND. Evansville . . .	53	41	61	33	47	-3	1.5	.4	.8	4.0	93	88	65	0	0	3	1	
Ft. Wayne . . .	43	34	51	27	39	-3	1.2	.5	.4	4.2	162	76	63	0	3	4	0	
Indianapolis . . .	49	37	57	27	43	-2	1.6	.7	.7	4.2	124	70	66	0	2	4	1	
South Bend . . .	49	26	56	30	43	-2	1.6	.8	.7	3.7	142	88	64	0	1	5	2	
IOWA. Burlington . . .	45	33	53	26	39	-3	1.5	.8	.7	2.8	112	--	--	0	3	4	2	
Des Moines . . .	47	35	56	29	41	0	.5	.1	.4	1.1	52	84	58	0	2	4	0	
Dubuque . . .	43	30	51	23	37	-2	.4	.4	.3	1.2	46	87	57	0	6	3	0	
Sioux City . . .	43	30	50	26	37	-3	.7	.3	.3	1.0	71	83	60	0	5	3	0	
KANS. Concordia . . .	44	33	47	26	38	-6	2.9	2.5	1.0	3.2	213	94	76	0	2	6	2	
Dodge City . . .	40	30	48	21	35	-11	1.2	.9	.8	2.7	245	92	74	0	7	4	2	
Goodland . . .	38	25	49	16	31	-9	2.0	1.8	1.0	2.4	300	94	75	0	7	4	2	
Topeka . . .	46	40	52	33	43	-3	3.1	2.5	1.8	4.1	216	81	78	0	0	6	3	
Wichita . . .	47	37	56	33	42	-7	2.1	1.6	1.1	4.0	250	88	75	0	0	4	2	
Wichita . . .	47	37	56	33	42	-7	2.1	1.6	1.1	4.0	250	88	75	0	0	4	2	
Wichita . . .	47	37	56	33	42	-7	2.1	1.6	1.1	4.0	250	88	75	0	0	4	2	
KY. Lexington . . .	55	41	60	27	48	-1	2.0	.9	.8	5.9	134	82	58	0	2	3	2	
Louisville . . .	54	41	62	31	48	-1	2.0	.9	.8	4.5	98	82	65	0	1	3	2	

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending March 30, 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	67	55	71	44	61	- 2	6.3	5.1	2.4	8.2	178	92	70	0	0	7	5
LA. Lake Charles	67	53	73	47	60	- 4	5.9	5.1	2.7	8.6	261	69	69	0	0	4	3
LA. New Orleans	70	57	78	52	64	0	6.1	4.9	3.3	9.6	192	86	68	0	0	5	3
LA. Shreveport	64	47	77	42	55	- 6	1.3	.3	.7	3.3	89	85	56	0	0	2	2
MAINE. Caribou	45	30	53	25	38	- 9	.2	.3	.8	3.3	165	88	34	0	6	2	0
MAINE. Portland	48	31	54	26	40	- 3	.1	.7	.1	4.6	144	77	46	0	5	4	0
MD. Baltimore	54	37	60	32	46	- 2	1.2	.4	.5	4.0	125	82	61	0	1	4	1
MASS. Boston	47	36	53	33	41	- 1	.6	.3	.4	5.3	147	88	56	0	0	4	0
MASS. Chatham	44	35	47	31	40	-	1.5	-	.9	5.3	147	93	71	0	2	5	1
MICH. Alpena	42	26	47	23	34	3	.1	.4	.1	1.2	71	-	-	0	7	1	0
MICH. Detroit	43	31	49	25	37	- 5	1.0	.4	.4	3.6	164	85	67	0	3	4	0
MICH. Flint	43	31	49	26	37	- 1	.2	.4	.2	1.8	90	80	58	0	4	3	0
MICH. Grand Rapids	46	32	53	25	39	0	.1	.6	.1	1.4	61	85	61	0	3	2	0
MICH. Houghton Lake	42	25	48	19	34	1	T	.4	T	1.1	69	87	55	0	7	1	0
MICH. Lansing	43	30	50	27	37	- 2	.2	.4	.1	1.6	73	93	67	0	5	3	0
MICH. Marquette	38	21	43	14	30	- 3	.1	.4	.1	.6	35	96	58	0	7	2	0
MICH. Muskegon	44	29	51	23	37	- 1	T	.6	T	.8	36	81	53	0	6	1	0
MICH. S. Ste. Marie	40	22	47	14	31	- 1	.1	.3	.1	1.2	75	88	62	0	7	2	0
MINN. Duluth	36	21	39	6	29	- 1	.3	.2	.3	1.1	69	90	58	0	7	2	0
MINN. Internatl. Falls	41	15	47	3	28	0	.1	.2	.1	.9	90	79	42	0	7	2	0
MINN. Minneapolis	44	28	51	18	36	1	.2	.2	.2	1.1	73	71	43	0	5	2	0
MINN. Rochester	43	28	49	19	35	0	.1	.4	.1	.8	50	80	55	0	7	2	0
MINN. St. Cloud	42	26	50	15	34	2	.2	.2	.2	.8	67	87	-	0	6	2	0
MISS. Jackson	65	50	70	44	58	- 3	4.5	3.3	1.9	13.2	259	92	68	0	0	5	2
MISS. Meridian	65	52	74	43	59	- 1	5.4	4.0	2.1	13.8	246	92	67	0	0	5	3
MO. Columbia	50	38	61	33	44	- 3	.8	.1	.4	2.7	113	90	68	0	0	4	2
MO. Kansas City	46	39	53	33	42	- 4	2.2	1.5	.8	3.6	150	78	71	0	0	5	0
MO. St. Louis	51	39	60	34	45	- 4	1.8	1.0	1.3	3.9	139	93	72	0	0	3	1
MO. Springfield	54	41	65	36	47	- 2	1.4	.6	.8	3.9	144	83	62	0	0	4	1
MONT. Billings	47	28	60	20	37	0	.4	.1	.2	1.4	156	69	46	0	5	2	0
MONT. Glasgow	48	28	59	25	38	5	.1	0	.1	.2	50	95	52	0	6	2	0
MONT. Great Falls	47	27	59	21	37	1	.1	.1	.1	.4	50	70	36	0	7	2	0
MONT. Havre	49	25	61	18	37	4	T	.1	T	.4	100	77	37	0	7	1	0
MONT. Helena	46	26	56	18	36	0	.2	0	.1	.8	160	69	39	0	7	2	0
MONT. Kalispell	46	28	49	23	37	3	T	0	.1	.8	100	89	44	0	6	4	0
MONT. Miles City	51	29	59	21	40	4	T	.2	T	.3	60	85	34	0	6	2	0
MONT. Missoula	48	27	57	21	38	0	.1	.1	.1	1.0	167	85	42	0	6	2	0
NEBR. Grand Island	41	30	48	23	35	- 6	1.6	1.2	.5	2.2	200	85	72	0	4	5	1
NEBR. Lincoln	44	33	48	25	39	- 4	1.4	1.0	.5	1.9	136	90	75	0	3	4	1
NEBR. Norfolk	41	29	48	23	35	- 4	.8	.4	.4	1.0	77	93	69	0	4	3	0
NEBR. N. Platte	43	27	50	21	35	- 4	2.5	2.2	1.3	2.6	289	78	52	0	7	5	2
NEBR. Omaha	43	32	50	25	37	- 3	1.0	.5	.4	1.5	100	92	60	0	4	5	0
NEBR. Valentine	40	23	53	18	32	- 7	1.4	1.2	.5	1.5	250	93	66	0	7	3	2
NEV. Ely	43	19	55	14	31	- 5	.2	0	.2	1.7	213	73	37	0	7	2	0
NEV. Las Vegas	66	42	73	39	54	- 4	.3	.2	.3	.9	225	52	20	0	0	1	0
NEV. Reno	56	25	67	20	40	- 2	0	.1	0	.5	100	65	17	0	6	0	0
NEV. Winnemucca	52	17	64	12	35	- 5	T	.1	T	.3	60	66	18	0	7	0	0
N.H. Concord	50	30	57	22	40	3	.4	.2	.2	3.5	146	96	44	0	4	4	0
N.J. Atlantic City	49	35	53	27	42	- 3	2.3	1.3	1.1	5.4	135	90	62	0	4	3	2
N.J. Trenton	51	39	56	37	45	0	1.7	.9	.8	6.0	176	-	-	0	0	4	2
N.MEX. Albuquerque	58	32	65	26	45	- 5	.3	.2	.3	.5	125	73	22	0	4	2	0
N.MEX. Roswell	66	33	72	28	49	- 4	0	.1	0	0	0	-	-	0	4	0	0
N.Y. Albany	50	32	60	27	41	2	1.3	.7	.7	4.5	188	88	56	0	3	4	1
N.Y. Binghamton	44	33	52	29	38	2	1.8	1.1	.9	5.4	216	86	62	0	4	6	2
N.Y. Buffalo	47	33	54	29	40	3	.3	.4	.1	3.5	140	88	58	0	4	3	0
N.Y. New York	50	40	53	37	45	0	1.7	.8	.9	7.3	203	78	57	0	0	5	1
N.Y. Rochester	48	35	57	30	41	3	.5	.1	.2	3.5	146	88	56	0	1	3	0
N.Y. Syracuse	51	35	62	29	43	4	1.3	.6	.8	4.2	150	91	54	0	2	4	1
N.C. Asheville	58	45	68	36	51	1	2.6	1.6	1.6	8.1	188	96	58	0	0	3	2
N.C. Charlotte	59	45	66	43	52	- 3	3.5	2.5	1.9	8.0	190	82	66	0	0	3	2
N.C. Greensboro	59	44	69	39	51	- 1	1.4	.6	.9	4.6	144	83	63	0	0	4	1
N.C. Hatteras	59	46	64	35	52	- 1	3.1	2.3	1.5	6.8	200	74	68	0	0	4	3
N.C. Raleigh	61	44	70	38	52	- 1	1.2	.4	.7	4.5	141	93	68	0	0	3	1
N.C. Wilmington	66	49	72	43	58	0	1.4	.6	.7	4.7	127	78	61	0	0	5	1
N.DAK. Bismarck	43	22	49	11	33	0	T	.2	T	.3	50	90	46	0	7	1	0
N.DAK. Fargo	40	26	48	22	33	1	.2	.1	.2	.6	86	90	63	0	7	2	0
N.DAK. Williston	50	25	60	21	38	6	T	.2	T	.1	20	87	45	0	7	1	0
OHIO. Akron-Canton	48	34	56	27	41	0	1.3	.5	.5	4.7	162	82	58	0	3	4	0
OHIO. Cincinnati	50	39	59	28	44	- 3	1.4	.5	.5	5.9	159	87	72	0	2	4	1
OHIO. Cleveland	46	31	55	25	39	- 3	1.0	.2	.3	3.7	132	88	55	0	4	4	0
OHIO. Columbus	49	36	58	26	43	- 2	1.2	.4	.5	3.8	123	77	62	0	2	3	0
OHIO. Dayton	48	35	57	27	41	- 3	1.3	.5	.5	4.2	140	85	70	0	3	3	1
OHIO. Toledo	43	30	52	22	36	- 5	1.2	.6	.4	3.7	161	94	69	0	4	4	0
OHIO. Youngstown	46	32	54	24	39	- 1	1.0	.2	.4	4.6	153	69	61	0	3	4	0

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending March 30, 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	54	40	67	33	47	- 6	.3		.3	.2	1.4	74	85	56	0	0	3	0
Tulsa	57	44	71	39	50	- 3	.6		.1	.4	3.6	157	80	60	0	0	3	0
OREG.Astoria	53	37	55	32	45	- 1	1.0		.3	.6	6.0	103	90	61	0	1	5	1
Burns	47	21	54	17	34	- 6	.1		.1	.1	.6	75	85	36	0	6	1	0
Medford	59	33	65	27	46	- 1	T		.3	T	1.2	80	82	35	0	4	0	0
Pendleton	50	33	54	29	42	- 4	.1		.1	.1	1.6	178	75	48	0	3	1	0
Portland	56	37	62	33	47	- 1	.2		.5	.1	2.9	88	91	45	0	0	3	0
Salem	55	34	60	30	44	- 2	.4		.4	.4	3.2	82	98	48	0	3	2	0
PA.Allentown	50	37	57	32	44	- 1	1.0		.2	.4	4.7	147	83	58	0	1	5	0
Erie	44	31	51	24	38	- 1	.8		.1	.4	3.5	140	--	--	0	4	4	0
Harrisburg	52	36	58	30	44	- 1	1.0		.3	.5	5.0	167	82	54	0	3	5	1
Philadelphia	51	40	59	34	45	- 1	1.6		.8	.8	5.2	158	84	66	0	0	4	2
Pittsburgh	51	34	57	27	42	- 1	1.1		.3	.5	4.9	153	83	56	0	3	3	1
Scranton	48	35	54	29	41	0	.7		.1	.2	3.4	148	84	60	0	2	5	0
R.I.Providence	49	35	55	27	42	0	.9		.0	.4	8.0	222	85	52	0	2	3	0
S.C.Charleston	70	53	77	48	61	- 1	1.8		.8	1.1	7.8	181	92	52	0	0	5	1
Columbia	63	47	69	44	55	- 3	4.2		3.2	2.4	9.7	226	88	71	0	0	3	3
Greenville	59	45	66	39	52	- 3	3.8		2.6	2.3	11.0	224	82	66	0	0	3	2
S.DAK.Aberdeen	40	22	50	6	31	- 3	.1		.2	.1	1.0	125	85	61	0	6	1	0
Huron	41	28	50	18	34	- 2	.6		.3	.4	.9	100	88	62	0	5	3	0
Rapid City	43	23	55	17	33	- 3	.4		.1	.3	.7	88	85	56	0	7	3	0
Sioux Falls	41	29	48	19	35	- 2	.5		.1	.2	.7	54	89	73	0	4	4	0
TENN.Chattanooga	63	48	68	39	55	1	2.9		1.7	1.8	15.9	312	85	53	0	0	4	2
Knoxville	63	47	68	37	55	1	1.8		.8	1.0	8.5	193	94	59	0	0	3	2
Memphis	60	47	68	40	54	- 2	1.5		.3	.6	10.6	230	86	61	0	0	4	1
Nashville	62	45	71	36	53	0	1.8		.7	1.0	6.9	150	90	53	0	0	4	1
TEX.Abilene	67	44	74	38	55	- 3	1.6		.3	.6	.7	78	71	38	0	0	2	1
Amarillo	56	31	68	27	44	- 6	1.0		.8	.8	1.5	250	83	37	0	5	3	1
Austin	70	52	81	47	61	- 2	3.0		2.5	2.7	3.2	178	74	47	0	0	3	1
Beaumont	70	54	76	48	62	- 1	4.9		4.2	3.0	6.4	237	78	60	0	0	5	3
Brownsville	79	63	88	55	71	1	.1		.0	.1	.1	20	91	52	0	0	3	0
Corpus Christi	78	59	88	48	68	0	.2		.1	.1	.3	30	73	52	0	0	2	0
Del Rio	75	54	81	43	65	- 2	.2		.0	.2	.3	50	56	33	0	0	3	0
El Paso	68	36	74	30	52	- 6	T		.1	T	.2	50	49	18	0	1	1	0
Fort Worth	64	46	76	43	55	- 4	1.1		.4	.8	1.3	57	77	52	0	0	4	1
Galveston	66	57	74	54	61	- 3	2.8		2.2	.8	3.8	158	75	67	0	0	5	2
Houston	69	53	76	46	61	- 3	3.7		3.1	1.8	4.9	196	76	59	0	0	4	2
Lubbock	68	35	76	31	51	- 2	.2		.0	.1	.2	25	81	20	0	2	2	0
Midland	68	38	74	30	53	- 5	T		.1	T	.0	67	17	0	0	1	0	0
San Angelo	71	45	79	37	58	- 3	.5		.3	.4	.7	88	69	25	0	0	2	0
San Antonio	73	50	85	42	61	- 3	.8		.4	.6	.9	64	79	40	0	0	4	1
Victoria	73	56	79	48	64	- 1	1.0		.6	.4	1.8	113	75	49	0	0	3	0
Waco	65	47	78	41	56	- 5	1.8		1.2	1.4	2.2	105	82	51	0	0	4	1
Wichita Falls	61	40	71	35	51	- 6	.5		.0	.4	.8	50	81	48	0	0	2	0
UTAH.Blanding	46	23	54	15	35	- 6	.6		.4	.4	1.4	175	85	44	0	7	3	0
Salt Lake City	48	30	54	27	39	- 4	.7		.3	.3	2.5	167	73	50	0	7	4	0
VT.Burlington	50	33	58	27	41	- 6	.5		.0	.3	2.4	141	93	60	0	2	4	0
VA.Lynchburg	56	40	70	31	48	- 1	1.2		.4	.6	4.2	131	83	--	0	1	4	2
Norfolk	57	42	67	39	50	- 2	1.4		.7	.6	3.2	103	74	57	0	0	5	1
Richmond	62	42	71	34	52	0	1.4		.9	.9	4.4	142	93	57	0	0	3	1
Roanoke	55	40	70	31	47	- 2	1.2		.5	.6	4.5	145	90	64	0	1	3	1
WASH.Colville	50	30	54	24	40	- 0	.5		.3	.3	2.0	200	--	--	0	4	4	0
Omak	54	28	58	24	41	- 1	T		.2	T	.7	100	38	25	0	5	1	0
Quillayute	52	36	55	31	44	1	1.8		.5	.8	10.1	103	92	58	0	2	5	2
Seattle-Tacoma	52	38	55	34	45	0	T		.7	T	1.9	59	87	47	0	0	1	0
Spokane	47	30	50	26	39	- 2	.1		.2	.1	.9	60	89	55	0	6	2	0
Walla Walla	53	38	55	34	45	- 3	.2		.2	.2	1.9	146	77	45	0	0	2	0
Yakima	58	30	60	27	44	- 1	T		.1	T	.4	100	78	30	0	6	0	0
W.VA.Beckley	54	36	64	30	45	0	.9		.0	.5	2.8	72	89	54	0	2	4	1
Charleston	59	40	66	28	49	0	2.1		1.2	1.5	4.8	133	82	55	0	1	4	1
Huntington	56	41	64	31	49	0	1.4		.5	.6	4.3	113	83	57	0	1	3	2
Parkersburg	54	38	63	28	46	- 1	1.5		.6	1.0	4.5	132	85	56	0	1	3	1
WISC.Green Bay	40	27	46	21	33	- 2	T		.5	T	1.0	62	90	63	0	7	0	0
La Crosse	46	29	51	20	38	0	T		.5	T	.7	39	89	51	0	6	0	0
Madison	42	26	47	18	34	- 2	T		.5	T	.7	39	91	56	0	5	0	0
Milwaukee	39	31	46	25	35	- 2	T		.6	T	.7	33	88	66	0	4	1	0
WYO.Casper	44	25	48	21	34	- 1	.3		.0	.2	1.1	122	86	43	0	7	4	0
Cheyenne	38	23	47	20	31	- 4	.8		.5	.3	1.2	120	70	57	0	7	4	0
Lander	42	23	50	12	33	- 3	.7		.3	.3	.9	82	63	49	0	7	4	0
Sheridan	45	26	54	18	36	0	.3		.1	.1	1.0	83	88	48	0	7	3	0
P.R.San Juan	86	74	88	72	80	3	.4		.5	T	1.5	83	90	61	0	0	1	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 1° subnormal. Rain totaled 2.00 to 5.00 in. most locations.

Fieldwork: 0.1 day suitable. Soils waterlogged. Activities: Livestock and poultry care. Corn 9% planted. Pastures short. Stored feed tightening. Wheat fair to good.

ARIZONA: Temperatures averaged 2 to 7° below normal. Rainfall light. Between 2 and 6 in. snow fell on mountains above 5,000 ft.

Small grains making very good progress. Green color fading early planted barley, Yuma area. Central valley small grain still in heading stage. Upland cotton planting continued. Planting approaching 40% west, 5% central valley. Good progress continued sugarbeets. Safflower plantings good shape. Alfalfa haying continued. Lettuce, mixed vegetables good progress. Lettuce harvest central areas gaining momentum, west harvest tapering off. Watermelons, cantaloups, making good progress; weeding, thinning underway. Citrus harvest seasonal progress; grapefruit harvest steady, Valencia harvest increasing, tangerine-type fruit tapering off. LP gas, diesel, gasoline mostly adequate except west diesel tight to adequate. Range, pasture conditions mostly fair, supplying below average to average amounts feed. Water supplies adequate. Cattle in fair to good condition.

ARKANSAS: Wet, cool. Rain fell about every other day. Highest normal 59°, lowest 52°. Highest mean 55°, lowest 46°. Highest temperature 77°, lowest 30°. Most rainfall 4.11 in., least 1.31 in.

Small grains making excellent growth. Top dressing virtually complete. Peaches beginning to bloom. Fruit crops in excellent condition. Western pastures providing limited grazing.

CALIFORNIA: Light rain midweek over entire length of State. Otherwise weather mostly fair except for several days of brisk northerly winds which are common this time of year. Northerly flow helped keep temperatures near to a little below normal.

Early small grain fields headed. Oat green chop, silage harvests underway San Joaquin Valley. Preparing for grain hay harvest. Irrigating grains lighter soils. Some grain sprayed for aphids. Burning rice stubble Sacramento Valley. Preparations to plant rice underway. Alfalfa beginning rapid growth, hay and green chop harvest increasing. Land preparations and seeding spring crops accelerated as soils dried. Cotton planting increasing slowly as soil temperatures and field conditions begin to meet germination requirements. Almond set varies by variety. Grape pruning delayed in north coast areas due to wet ground. Wind machines used due to low temperatures. Early variety walnuts blooming north Sacramento Valley. Navel orange harvest continued central district. Fieldwork very active as fields dry. Artichoke harvest at peak central coast. Broccoli, cauliflower good movement central coast. Celery good supply south coast. Lettuce increasing San Joaquin Valley, very light cutting Salinas, Santa Maria. Planting sweetpotatoes in hotbeds San Joaquin Valley. Field fumigation started. Strawberry harvest increasing San Diego to Santa Maria. Some market tomato planting San Joaquin Valley. Processing tomato planting heavy Sacramento Valley;

some planting still San Joaquin Valley, coastal counties. Range, pasture conditions excellent. Warmer weather needed to strengthen feed. Livestock good condition. Calving, lambing remain active mountain areas. Sheep shearing continued San Joaquin Valley. Movement of bees to citrus, other fruit continued. Fuel supplies: Few areas experiencing tight supplies diesel, gasoline; propane adequate.

COLORADO: Cool and wet. Moderate to locally heavy precipitation south and east. Blizzard on plains 28th and 29th. Temperatures 3 to 6° below normal all but west.

Winter wheat good to very good. Wind damage light; 15% pastured. Oats good; 5% seeded, 2% 1979, 19% average. Barley good; 6% seeded, 4% 1979, 15% average. Spring wheat good; 3% seeded. Livestock, ranges, pastures good. Fieldwork: 2 days suitable. Fuel supplies adequate.

FLORIDA: Showers and thundershowers through entire period. Heaviest rains north half with lighter amounts south; 2.00 to 4.00 in. Panhandle, north; 0.50 to 1.00 in. central with some areas up to 2.00 in., and less than 0.25 in. south.

Soil moisture variable, adequate south, central, most of north, surplus west, scattered areas north, a little short few areas central, most of north, surplus west, scattered areas north, a little short few areas central. Corn planting, tobacco transplanting active. Land prepared for early planting of peanuts and soybeans. Peanut planting underway central areas. Sugarcane harvest practically complete. Next year's crop good condition. Wheat showing damage from freeze early March. Fuel supplies mostly adequate, a little short south. Pastures recovered from previous cold; mostly good to excellent condition, except eastern coast mostly poor to fair. Cattle fair to good. Citrus grove condition excellent. Moisture short; rainfall light, scattered until showers became more general at weekend. Many trees past peak bloom, a few just beginning to bloom. Early mid-orange harvest in clean up stages. Overall vegetable crop condition fair to very good. Harvest, planting, other fieldwork very active. Quality, size, yields generally good but variable some crops. Bloom buds, bloom more abundant. Some bloom, fruit droppage evident tomatoes southwest area due to warm weather, rapid growth. Overall, vegetable shipments up 4% from previous week. Shipments cucumbers increased considerably; celery, sweet corn, lettuce, okra, also increased. Snap beans, cabbage, eggplant, escarole, parsley, peppers, potatoes, radishes held steady but supplies carrots, cauliflower, chinese cabbage, squash, strawberries, tomatoes decreased. Potato supplies steady. Harvest outlook generally good. Condition Hastings crop good but fields skippy some areas. Quality, size, yields good. Strawberry harvest active Plant City-Ruskin areas. Quality, size, yields fair to good. Watermelon crop condition fair to good. Bloom, fruit set increasing. Vines running, covering beds.

GEORGIA: Temperatures slightly below normal, averaging upper 40's north to low 60's south. Heavy rains north and central, statewide weekend, with many areas receiving over 2.00 in.

Soil moisture surplus statewide. Fieldwork: 1 day suitable. Wetness limited spring fertilizer application to small grains and pasture. Corn 19% planted, last year 61%, average 37%; condition poor to mostly fair. Tobacco 12% transplanted, last year 47%, average 40%; condition fair. Watermelons 22% planted, last year 66%, average 57%; condition poor to mostly fair. No cotton planting reported, but last year 2%, average 3%. No soybeans or peanuts planted this year, last year, nor average. Sorghum 0% this year, 2% last year. Small grains improved, condition fair to mostly good, freeze burn still evident. Pastures fair to good. Cattle and hogs fair to mostly good. Vegetable planting delayed, condition poor to fair. Pine beetle outbreaks continued. LP gas 96%, diesel fuel 95% adequate, gasoline 94% adequate.

HAWAII: Wet weather continued some parts Hawaiian chain. Island Hawaii, Ka'u to Waiman-Kohala districts, heavy rains caused erosion and waterlogged low-lying areas. Greenhouse tomatoes sustained some damage also. Island Maui, wet weather affected sugar operation, holding activities to minimum. However, pineapple harvesting on Maui, accelerating because fruits ripening earlier than expected.

Vegetable supplies: Head cabbage, chinese cabbage, semi-head lettuce continues heavy; others light to moderate. Banana supplies light. Papayas: Wet weather increasing disease incidence. Low harvest will continue. Pineapple harvesting light and steady. Sugar harvesting active. Wet fields slowing harvest. Pastures generally good. Fuel supplies adequate. Delivery pattern unchanged because of strike.

IDAHO: Temperatures ranged 1 to 7° below normal. Precipitation below normal except southwest. Most stations south central and east recorded less than 1.00 in.

Fieldwork: 3 days suitable. Fertilizing, plowing and planting. Percent of crops planted: Spring wheat 11%; spring barley 8%; sugarbeets 5%; onions 11%; dry peas 3%. Winter wheat in good condition. Hay and roughage supplies tight. Calving past peak, lambing near done, no major problems. Fuel supplies adequate.

ILLINOIS: Temperatures averaged 1 to 4° below normal. Precipitation 0.40 to 0.70 in. north, 1.00 to more than 2.00 in. south.

Soil moisture mostly adequate. Winter wheat, livestock mostly good condition.

INDIANA: Cloudy, wet. Daily maximum temperatures 4° below normal, daily minimum temperatures 2° above normal. Air temperature ranged from 27 to 61°. Precipitation averaged 1.00 to 1.60 in., heaviest southwest. Most streams running full. Sunshine only 31% of possible. Soil temperatures 34 to 45°.

Soft field conditions made fieldwork difficult. Limited oats, clover and legume seeding along with some spreading of manure and other fertilizer. Caring for livestock and preparing for spring main activities.

IOWA: Cool, cloudy. Temperatures average 2 to 4° subnormal. Precipitation fell mostly during late week with some snow, which soon melted. Frost out of soils in southern half and soils are slowly warming in north.

Plowing 49% complete. Fieldwork: 1 day suitable. Livestock in good condition.

KANSAS: Winter storm developed midweek producing 15 in. snow extreme northwest. Steady rains elsewhere midweek with 2.00 to 3.00 in. rains north-

east and east central 30th. Flooding along Marais Des Cygnes River. Temperatures averaged near normal east with readings 5° below normal northwest and 10° below normal southwest.

Fieldwork delayed; 1.0 day suitable. Oats 35% seeded, 25% last year, 55% average. Spring barley 25% seeded, 30% last year, 50% average. Plenty of moisture for wheat. Spring growth limited by cool temperatures. Too wet for wheat pasturing. Fuel supplies show little change.

KENTUCKY: Temperatures averaged from near to slightly below normal. Precipitation averaged from 0.50 to 1.00 in. above normal.

Most fields too wet to work. Seeding of tobacco beds behind normal due to surplus moisture. Pastures wet; not supporting grazing, supplemental feeding continued. Winterkill light on fall seeded wheat and barley. Fuel supplies adequate.

LOUISIANA: Rains statewide; 3 to 7 days. Totals 1.70 to 8.80 in. Average over 5.00 in. Temperatures 1 to 4° below normal. Extremes: 79 and 39°.

Fieldwork: 0.8 day suitable. Soil moisture surplus. Fuel supplies adequate. Spring plowing 36% complete. Corn planting 26% complete 1980 and 1979, 30% average. Rice planting 18% complete, 16% 1979, 27% average. Sugarcane fair condition. Small grains good condition. Pastures rated fair to good. Cattle rated fair.

MARYLAND & DELAWARE: Temperatures averaged 4° below normal. Highs in low 50's and lows in mid-30's. Precipitation averaged 0.60 in. Rainy, cloudy 29th. Cloudy with light rain 30th.

Soil moisture supplies adequate to surplus. Plowing for corn slowed by wet fields. Tobacco beds in good condition. Small grains good to fair condition. Fruit growers pruning and spraying trees. No damage to fruit so far.

MICHIGAN: Temperatures averaged 3° above to 3° below normal. General slow warming through week. Maximum temperatures mostly in 30's early in week rising to 40's and low 50's over weekend. Precipitation totaled 0.40 in. to around 1.00 in. extreme south. Amounts tapered off to 0.30 in. Thumb to around 0.10 in. or less elsewhere.

Maple sirup production in full swing. Main farm activities include feeding livestock and general farm chores.

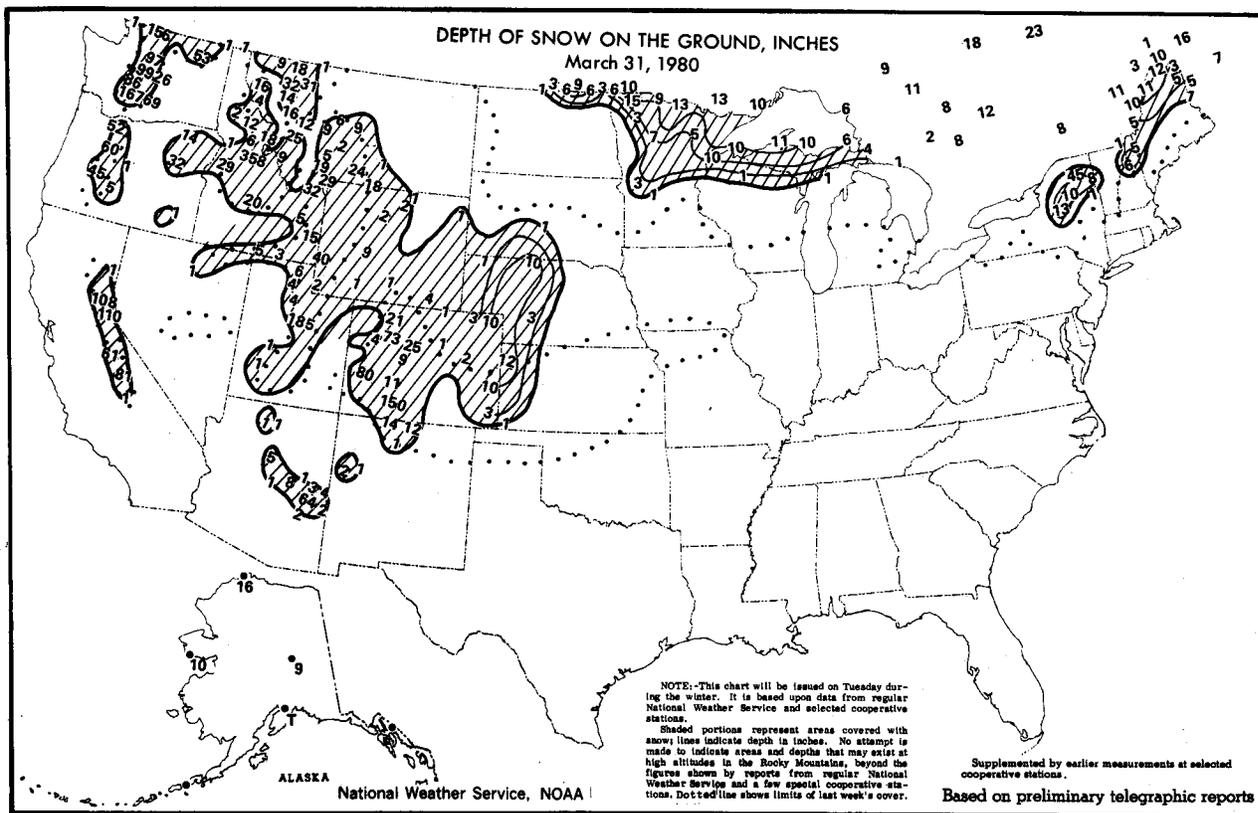
MINNESOTA: Temperatures averaged near normal. Extremes: 51 and 3°. Precipitation averaged near normal southwest, 0.25 in. below normal elsewhere. Precipitation totals ranged from less than 0.10 in. much of northwest and north central to near 0.50 in. parts of southwest and south central. Snow depth diminished to 5 to 13 in. northeast third, generally none or traces elsewhere.

MISSISSIPPI: Temperatures 1 to 6° below normal. Extremes: 30 and 81°. Maximum rainfall 12.24 in.

Soil moisture excessive to surplus. Fieldwork: 0.2 day suitable. Rains kept farmers in a holding pattern. Very little land prepared. Flooding occurring in some bottom land. Activities: Machine maintenance, buying fertilizer and seeds. Plowing 25% complete, 45% 1979, 44% average. Corn 11% planted, 23% 1979, 19% average. Watermelon 11% planted. Wheat, livestock, pasture condition good to fair. Fuel supply adequate.

MISSOURI: Temperatures averaged 3° below normal. Rainfall averaged about 1.00 in.

Winter wheat fair to good. Topsoil moisture supplies mostly adequate. Supply of hay and other



roughages adequate to surplus. Livestock losses due to unfavorable weather mostly light. General condition of livestock mostly good. Fuel supplies mostly adequate.

MONTANA: Major snowstorm about midweek left 1 to 2 in. precipitation over portions of south central. Elsewhere light to moderate precipitation. Temperatures mild, mostly 1 to 5° above normal.

Cattle, sheep in good condition as calving and lambing continued. Calving 45%, lambing 40% completed. About 50% of sheep sheared. Winter wheat fair condition.

NEBRASKA: Precipitation in form of snow up to 25 in. west, rain 1.00 to 2.00 in. east and south. Temperatures 3° below normal.

NEVADA: Frequent surges cold air produced below normal temperatures and light to moderate precipitation. Temperatures averaged 2 to 9° below normal. Extremes: 5 and 70°. Rain south, 1 to 3 in. snow northeast, little to none west central.

Inclement weather delayed seedbed preparations. Calving, lambing continued.

NEW ENGLAND: Temperatures above normal. Two systems brought considerable cloudiness and rain on 25th and 29th. Precipitation ranged from 0.25 in. north to 1.50 in. south.

NEW JERSEY: Temperatures averaged near to slightly below normal. Extremes: 24 and 60°. Rainfall averaged 1.43 in. north, 2.50 in. central, 2.43 in. south. Soil moisture in percent of field capacity 100% north, 100% central, 100% south. Soil temperature averaged 38° north, 46° central, 47° south.

Soil moisture excessive. No soil preparation or planting. Pasture greening.

NEW MEXICO: Moisture conditions generally short. Some precipitation east central and northeast Plains. Widespread rain and snow 27th and 28th. Precipitation generally less than 0.25 in. Temperatures 5 to 8° cooler than normal.

Irrigated wheat and barley fair to good condition. Potato planting underway. Chile emerging. Onions and lettuce in good condition. Alfalfa greening. Range conditions poor to fair east, other areas good. About 80% calving complete, lambing progressing.

NEW YORK: Above normal average temperatures in mid-30's to low 40's. Above normal precipitation in central and southeast ranged from 1.00 to 1.75 in. while elsewhere precipitation 0.50 in. or less.

NORTH CAROLINA: Temperatures 3 to 4° below normal. Precipitation averaged 1.00 to 2.00 in.

Fieldwork: 2.3 days suitable. Soil moisture adequate to surplus. Condition of wheat, oats, barley, rye fair to mostly good, improving; pastures fair to mostly good, improving; tobacco beds mostly fair to good, improving; Irish potatoes mostly fair, unchanged. Plantings: Irish potatoes 25%, some corn in southeast, watermelons underway, spring cabbage progressing, spring plantings slowed by wetness. Supplies: Hay, roughage, feed grains mostly adequate. Major activities: Fertilizing small grains and pastures, plowing where able, tending and seeding tobacco beds, readying equipment.

NORTH DAKOTA: Generally dry; precipitation measured less than 0.10 in. Daytime temperatures rose above freezing. Snowcover generally decreased north. Average temperatures near normal east and 3 to 7° above normal west. Extremes: 2° south central and 60° northwest.

Fieldwork beginning southwest, should become general next 3 weeks. Seed and fuel supplies generally adequate. Additional snowfall north improved topsoil moisture, but State very dry. Snow melting fast with not much remaining, no problems with flooding foreseen. Livestock good to excellent condition; most receiving supplemental feed as pastures and ranges open but rated poor to fair. Calving and lambing progressing well with light losses. Calving 36% completed, lambing 53%, shearing 49%.

OHIO: High temperatures averaged from 4 to 8° below normal. Maximum temperatures averaged in 40's but daily highs ranged as high as 61°. Cloudiness kept low temperatures a little above normal. Average minimums in mid and upper 30's. Precipitation over 1.00 in.; from 0.20 to 0.60 in. above normal. Soil temperatures in nearly saturated ground reached into 40's; minimums in upper 30's.

Fieldwork limited to areas with well-draining sandy soils. Maple sirup production good. Fruit tree and grapevine pruning progressed well. Pastures not greened yet. Tobacco beds sown less than 5%, 20% 1979, 25% average. Oats sown less than 5%, 5% 1979, 5% average. Acreage for spring planted crops plowed 55%, 60% 1979, 55% average. Fieldwork: 1 day favorable. Pasture condition fair. Soil moisture surplus.

OKLAHOMA: Wet, cool. North received much needed rain and some snow. Amounts averaged 0.50 to 1.50 in. statewide. Temperatures well below normal averaging 5° below south and 7 to 8° below north central.

Moisture stimulating improvement in small grain, forage, seedbed conditions. Small grains in jointing stage. Livestock in good condition. Cool season grasses providing some grazing with supplemental feeding statewide. Cattle marketing slowing with low prices and high interest rates.

OREGON: Temperatures averaged near to little below normal west, and below to much below east of Cascades. Minimums on one or two nights reached freezing at some western valley locations. Precipitation totaled 0.50 to 1.00 in. along coast; 0.10 to 0.30 in. interior valleys; 0.05 to 0.20 in. east.

Soil moisture adequate to surplus west; adequate east. Winter wheat condition mostly good; winter damage becoming more apparent. Plowing, spraying, fertilizing underway where conditions permit. Planting onions, sugarbeets, spring grains starting in Malheur County and a few other areas. Livestock condition fair to mostly good. Range and pastures mostly fair condition, prospects look good. Feed supplies short.

PENNSYLVANIA: Cloudy, cool, breezy with few showers lingering through 26th. Frosty but clear 27th with warming to springtime levels by afternoon; only sunny day of week. Overcast skies with fog, drizzle and rain returned 28th and continued through weekend. Rainfall 1.00 to 1.50 in. with up to 2.00 in. along southern border areas. Temperatures near to 3° below normal.

Normal winter chores.

PUERTO RICO: Island average rainfall 0.03 in. or 0.54 in. below normal. Temperatures averaged about 76 to 77° on coasts and 74 to 75° interior. Extremes: 95 and 53°.

SOUTH CAROLINA: Rainfall practically very day. Temperatures higher at first, changing little due to the frequent rains. Most rivers flooding.

Surplus soil moisture. Corn planting only 4% complete, well behind 29% last year, 31% average; condition poor to fair. Some growers reducing acreage due to late start. Tobacco 1% transplanted only in well drained soils, 3% last year; few plants nearly oversize. Peaches blooming or in early post-bloom, condition fair to good. Rains prevent spraying on schedule. Tomatoes fair to good due to wind, cold conditions; 61% planted, 60% year ago. Cucumbers good condition; 42% planted, behind 62% year ago. Snap beans fair to good; 48% planted, 57% year ago. Watermelon condition poor; 16% planted, behind 26% year ago, 44% average. Cantaloupes poor to fair condition; 6% planted, 4% last year.

SOUTH DAKOTA: Cool, unsettled weather. Heavy snow south. Average temperatures near normal to 7° subnormal. Extremes: 59 and 5°. Precipitation up to 1.07 in. south, less than 0.10 in. north.

TENNESSEE: Very wet; rains averaged 1.00 to 2.00 in. Temperatures averaged near normal.

Fieldwork: 0.5 day suitable. Soil moisture surplus. Spring plowing 37% complete, 1979 40%, average 46%. Tobacco plant beds 50% seeded, 1979 70%, average 77%. Pastures fair. Cattle good, most remain on supplemental feed. Wheat and oats fair. Gas and diesel supplies adequate. Activities: Caring for livestock, repairing equipment, mending fences, fertilizing pastures.

TEXAS: Below normal temperatures, above normal rainfall. Heaviest precipitation occurred Central, East Texas; far West Texas missed precipitation.

Cotton planting curtailed by cool, wet soils with major activity south. Good stands earlier planted Valley, lower Gulf Coast fields. Land preparations continued Plains; few Blackland fields planted before precipitation halted fieldwork. Sorghum plantings nearing completion from Central Texas southward, but other areas awaiting warmer soil temperatures to commence planting. Few High Plains corn fields planted although some fields being prewatered. Most Blackland fields nipped by early March freeze appear to be recovering. Rains halted rice seeding on 27th. Midweek rains missed most sugarbeet areas; planting active throughout week. Peanut producers awaiting warmer soil temperatures to plant; land preparation active Edwards Plateau. Small grains given boost by moisture. Greenbug populations increased significantly in Plains wheat; grain mites causing damage Blacklands. Early planted South Texas wheat began heading. South Texas flax blooming over weekend. Sugarcane harvest completed lower Rio Grande Valley. Cotton planted 10%, 11% 1979, 9% average. Rice planted 25%, 16% 1979, 32% average. Sorghum planted 54%, 33% 1979, 40% average. Corn planted 36%, 24% 1979, 28% average. Peanuts planted 0%, 2% 1979, 5% average. Sugarbeets planted 24%, 30% 1979, 33% average.

Lower Rio Grande Valley onion harvest increased. Plentiful supplies cabbage, carrots available. Vegetables making good growth. Melon planting in final stage; early melons beginning to bloom. Harvest Valencia oranges continued. Citrus trees blooming. South Texas carrot harvest continued. Onion harvest getting underway. Watermelon growth affected by cool nights. Coastal Bend cabbage neared maturity. Watermelons, cucumbers made good growth. San Antonio-Winter Garden vegetable harvests active. Carrot supplies plentiful. East Texas rain delayed most activity. Watermelon, tomato planting in progress. Cold ground required some replanting. Onions, potatoes doing well. North Texas rain slowed progress but provided

needed moisture. Planting sweet corn and transplanting tomatoes, peppers active. Cut worms became problem. El Paso chile peppers, onions, cabbage, lettuce making good progress. High Plains planting onions, potatoes nearing completion. Peach trees continued to bloom; peak bloom passed southern area and trees beginning to leaf out. Freeze damage continued to be appraised. Pecan trees continued to swell buds.

UTAH: Recurring rain or snow; amounts locally heavy. Temperatures well below normal most areas ranging between 10° below and 3° above normal. Local damage to fruit trees extreme southwest due to subfreezing temperatures.

Cleaning ditches, repairing farm machinery. Most land too wet and muddy to work except in extreme south. Some activity just beginning there. Fruit tree pruning completed, some dormant spraying started. Livestock in generally good condition. Calves fat and frisky on southwestern desert.

VIRGINIA: Temperatures averaged near normal. Freezing temperatures on 26th to 27th. Extremes: 71 and 21°. Rain, early and again late week. Averaged slightly over 1.00 in.

Wet soils delaying land preparation. Topsoil moisture adequate to surplus. Fieldwork: 2.1 days suitable. Pastures, wheat, barley rated good to excellent. Apple, peach prospects good, peach tree borers causing some damage in Tidewater area. Tobacco plant beds: Flue-cured good, 90% seeded, 95% 1979; burley fair, 35% seeded, 70% 1979. Corn still less than 1% planted, 3% 1979, 2% average; southeast progress 2% seeded, over 3% 1979; plantings started southwest. Eastern Shore potato acreage seeded varying from over 80% planted in south to less than 25% seeded north; average about 54% planted, over 65% 1979; potato seed shipments down 33%; wet soils delaying plantings. Livestock in good shape, several producers preparing cattle for spring feeder sales. Maple sirup making Highland County. Farm motor fuel supplies mostly adequate.

WASHINGTON: West: Temperatures averaged 1° below normal. Precipitation 0.70 in. below normal.

Soggy fields hampered much activity. Raspberry fields planted. Pastures, other plants greening. Daffodil and rhubarb harvests continued. Caneberry pruning winding down. Hay supplies short and expensive.

East: Temperatures averaged 3° below normal. Precipitation 0.10 in. below normal.

Planting wheat, barley, potatoes, green peas, hops. Winter wheat crop damage more extensive than anticipated. Reseeding in many areas. Other activities: Fertilization, herbicide application. Damage to fall seeded onions critical. Orchard pruning, rodent control, spraying continued. Water made available to growers in irrigated regions. Livestock movement to ranges strong as hay supplies very short.

WEST VIRGINIA: Temperatures averaged slightly above normal north, slightly below normal south. Precipitation near normal. Light snow north early week.

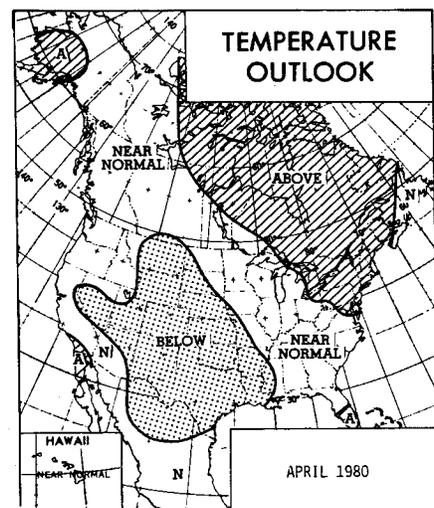
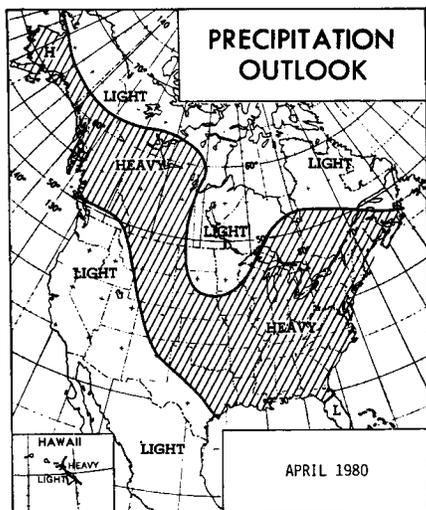
Soil moisture adequate to surplus. Fieldwork: 2.7 days suitable. Hay and grain supplies adequate to surplus. Other feed supply adequate. Fuel supply adequate to tight.

WISCONSIN: Temperatures near normal. Week began with highs in 30's, warmed to 40's midweek and a few 50's. Lows ranged from teens to 30's. Extremes: 52 and 6°. Precipitation light. Area bordering Illinois received 0.10 to 0.30 in. rain. Total precipitation for State ranged from 0 to 0.20 in. Only extreme north has snowcover remaining on ground. Frost coming out slowly.

WYOMING: Temperatures near normal. Extremes: 62 and -5°. Precipitation much above normal; few stations reported no precipitation.

Topsoil moisture adequate 88%. Acreage planted: Spring wheat 8%; barley 12%. Wet fields, snowcover slowing land preparation and planting spring-planted crops. Winter wheat mostly good condition, wind damage light or nonexistent. Livestock generally good condition. Spring calves born 40%. Range ewes lambed 15%. Farm flock ewes lambed 57%. Range sheep shorn 17%. Farm flock shorn 55%. Death losses for calves and lambs light to normal.

Average Monthly Weather Outlook



International Weather and Crop Summary

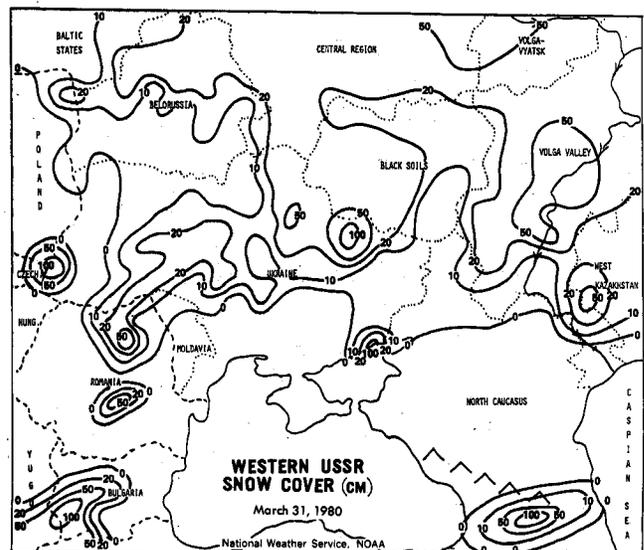
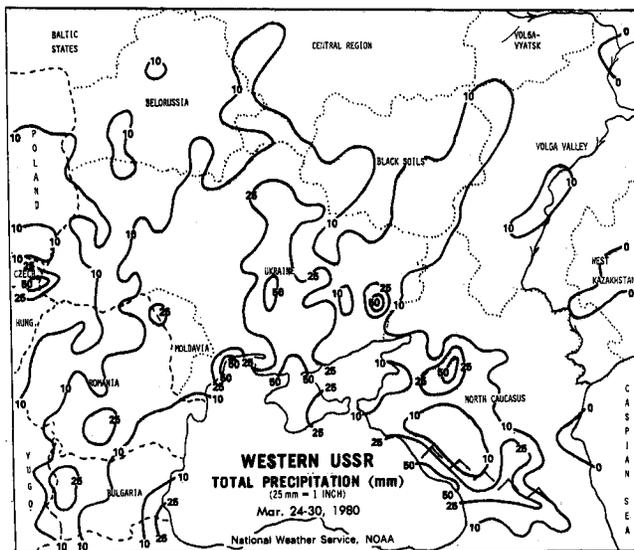
March 24 - 30

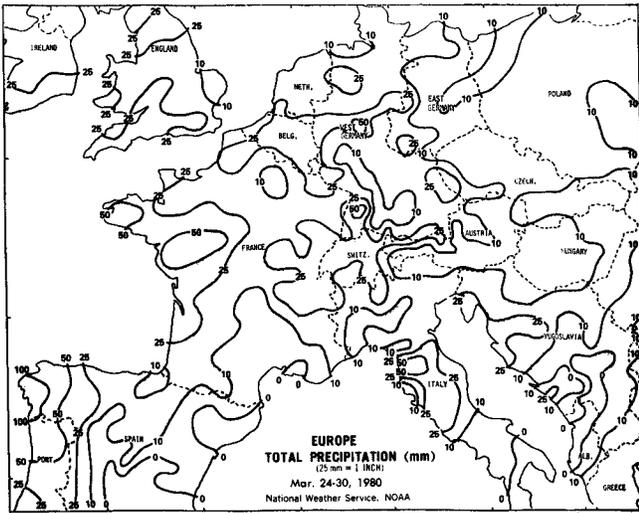
HIGHLIGHTS:

- USSR. Winter grains breaking dormancy in extreme south...adequate soil moisture.
- EUROPE. Winter grains breaking dormancy...good soil moisture most areas.
- CHINA. Wheat growth in most of belt...adequate soil moisture.
Rice planting in the south*...too wet in some areas; too dry in others.
- INDIA. Wheat should be turning color in north...scattered light rainfall.
- NORTHWESTERN AFRICA. Winter grains heading*...soil moisture adequate.
- ARGENTINA. Early soybeans pod-filling; late soybeans flowering*...some areas too dry.
- BRAZIL. Harvesting soybeans in Parana...favorable weather.
Soybeans nearly mature in Rio Grando do Sul...good soil moisture.
- MEXICO. Vegetable harvesting...sunny and warm.
Field crops in the northwest...relatively low water supply.

*Based on normal crop calendar information.

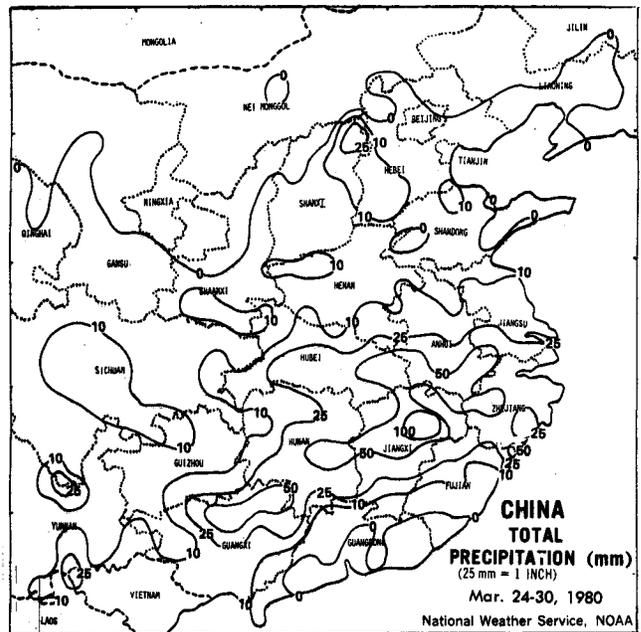
USSR. Abundant precipitation of 30 to 50 mm fell in central portions of the Ukraine. Totals ranged four times normal over a broad area, and were probably beneficial since few extremes recurred. The moisture fell as rain in most areas, and snow depths decreased dramatically over much of the winter grain belt. Extensive areas in the North Caucasus and southern Ukraine now have no snowcover, and temperatures in southern portions of the North Caucasus have reached high enough to bring winter grains out of dormancy soon. Soils should remain adequately moist over most of the North Caucasus as above-normal precipitation of 10 to 25 mm continued.



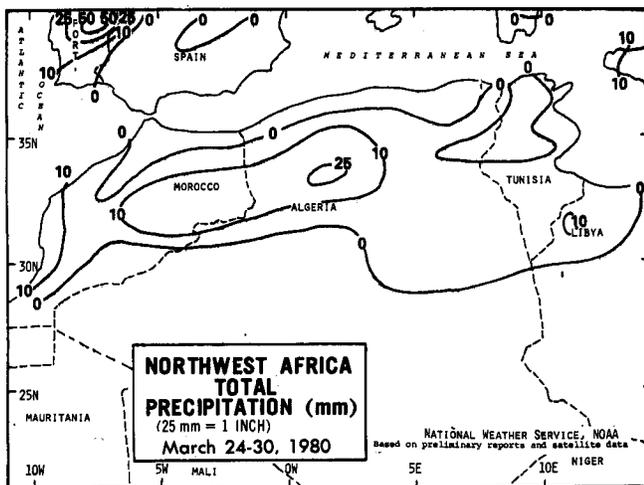


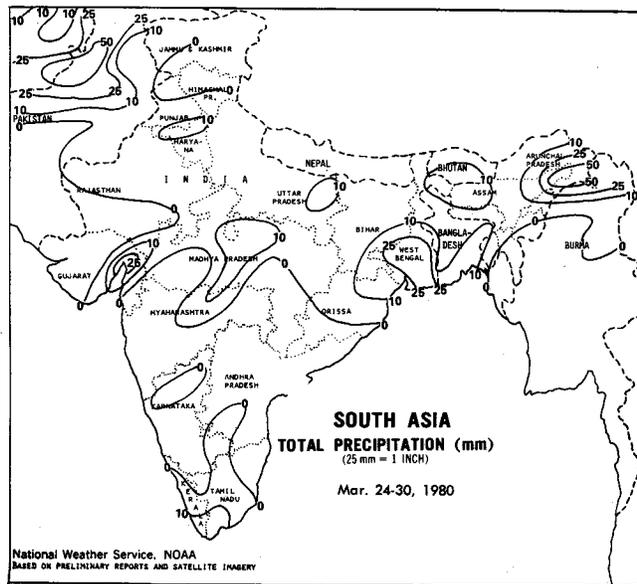
EUROPE. Wet weather returned to much of the north, and conditions warmed again to permit renewed winter grain growth everywhere but in the northeastern quadrant. However, dry weather persisted in pockets of these northeastern areas, most notably in Poland. Precipitation in most countries equaled or exceeded normal, and excessive amounts fell only in the northeastern portion of the Iberian Peninsula -- a minor crop area. Moisture supplies in other parts of Spain remained mostly adequate, with some persistent dryness in the extreme east and northeast.

CHINA. Heavy rainfall continued in the Yangtze Valley, and the prolonged wetness must be causing at least some problems with transplanting of rice. Double-cropped rice areas to the south along the coast have turned too dry, with little rain having fallen during the past 3 weeks. The Yangtze Valley rains kept southern winter wheat quite moist, and although the Yellow River Valley received only scattered light rainfall, 6 to 12 mm precipitation totals in southern Hebei benefited winter wheat immensely as it came out of dormancy. In the mountains and valleys to the west, precipitation in recent weeks appears to have been adequate for development of winter wheat.



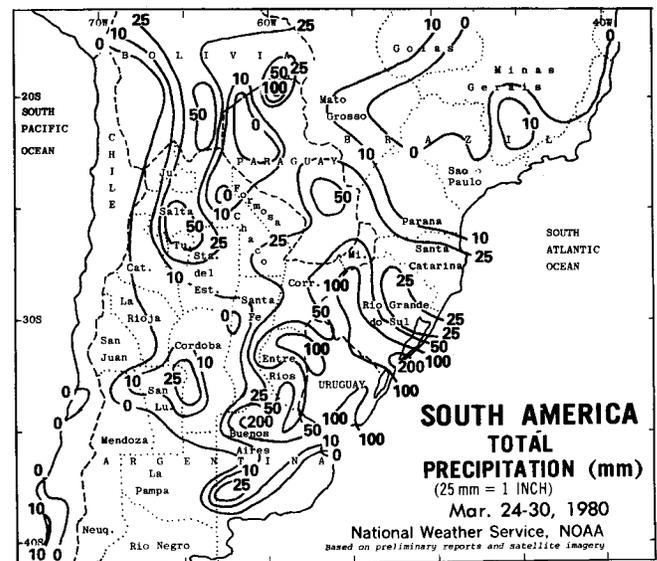
NORTHWESTERN AFRICA. Some unusually heavy precipitation of 10 to 25 mm fell over interior portions of the region, but most winter grain areas received only light amounts at best. Grains now in the heading stage have quite adequate moisture due to last week's rainfall, and not too much more water should be needed to prevent further yield declines in addition to those which occurred earlier.



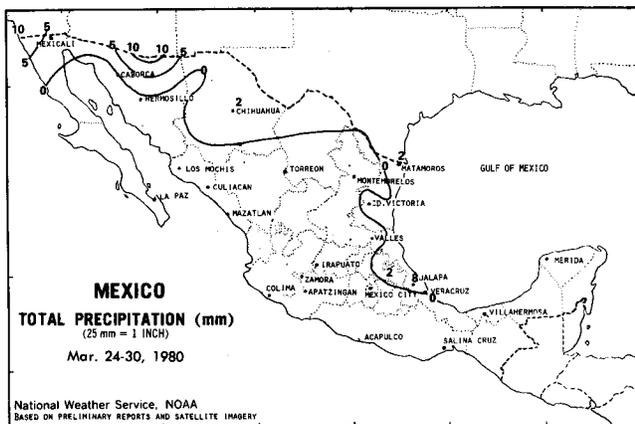


INDIA. Rainfall activity increased this week, with scattered light totals reported in all parts of the country. Heaviest amounts (30 to 50 mm) occurred in the east, which normally receives moisture first. Most wheat areas received less than 10 mm in variable coverage. The wheat is now probably too far advanced in its development to benefit from the moisture. It should be turning color, with daytime temperatures of about 32C (slightly cooler than normal) keeping conditions dry. Although yields from unirrigated wheat will undoubtedly fall short of normal, a crash program of irrigation in the northernmost areas may have produced a respectable crop overall.

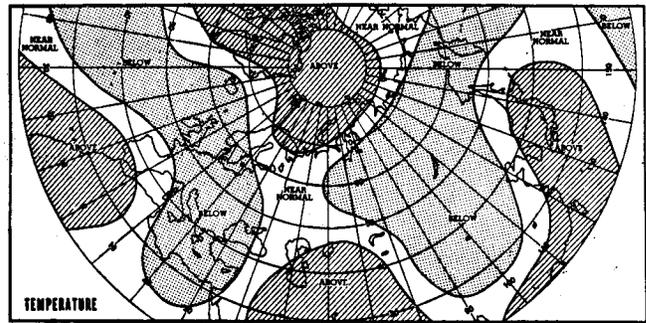
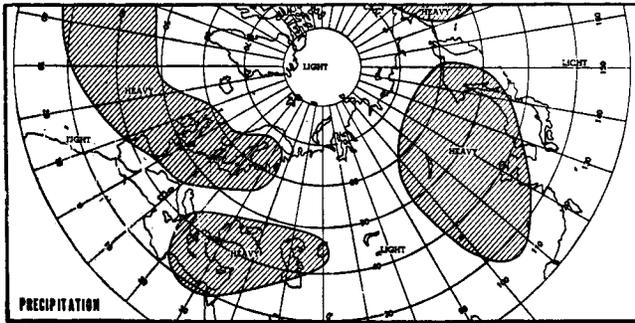
SOUTH AMERICA. Heavy rainfall in Buenos Aires Province early in the week may have knocked off some flowers of late-planted soybeans and caused some lodging of early varieties, but damage should not have been too serious. Later the rains spread to cover northeastern parts of the soybean belt, benefiting soybeans which had never really recovered from the dry spell early in the year. Southwestern soybean areas remained dry, however, and yields of both early and late soybeans there may suffer. In Brazil, favorable harvest weather continued in Parana, with the soybean crop reportedly more than half harvested. Beneficial rainfall returned to western soybean areas of Rio Grande do Sul as the crop neared maturity; and no more moisture should be needed now.



MEXICO. Dry weather continued over most of the country, but a few showers fell along the east coast and the extreme northwest. Cotton planting had slight interference at Mexicali by light rains; however, soils were a warm 19C. Corn and grain sorghum progressed well into the northeast with soil temperatures averaging about 25C. East coast showers were too light to benefit citrus. Reservoir levels continued to decrease in most areas because of irrigation demands. Reservoirs contained less than half the norm in the northwest (last week's report of the "northeast" was in error and should have read "northwest"). Irrigation water supplies, being lower this year than a year ago in the central and north central regions, will affect crop production. West coast vegetables had sunny weather with Culiacan's maxima averaging 30C and the minima was 12C. Relative humidity averaged 32 percent during the afternoon and 78 percent late at night.



EURASIA OUTLOOK FOR MONTH OF APRIL



How's the weather?

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"A.M. WEATHER"



"A.M. Weather," an exclusive TV weather information program carried weekdays on 218 public broadcasting stations, including at a.m., features three professional meteorologists: Mike Tomlinson, center, of the National Weather Service; and Carl Weiss, left, and Dale Bryan, right, satellite meteorologists with the National Environmental Satellite Service.

"A.M. Weather", a daily weekday presentation carried by 218 public TV stations, has a viewership that includes pilots, farmers, teachers, student, construction workers, boaters, and general weather enthusiasts. The program offers exclusive current and forecast weather information regionally and for the entire country.

What gives a 15-minute televised weather program its appeal? Probably it is the professional quality, gimmick-free, indepth coverage of the world's most topical subject.

On each 15-minute show, plain-speaking professionals from the National Oceanic and Atmospheric Administration use satellite film footage and more than twenty colorful maps to explain weather patterns and projected trends. In a "weather watch", they also focus on problem weather areas where turbulence or uncertain conditions pose potential hazards.

To keep information as up-to-date as possible, the program features a West Coast version aired 2 hours after the initial live broadcast at 6:45 a.m., Eastern Time.

Funding for the program is provided by the Federal Aviation Administration and the Aircraft Owners & Pilots Association's Air Safety Foundation. Additional grants have been provided by FLYING and BUSINESS AND COMMERCIAL AVIATION Magazines, General Aviation Manufacturers Association, National Business Aircraft Association, Phillips Petroleum Corporation, and the United States Aircraft Insurance Group.

The National Oceanic and Atmospheric Administration provides the professional meteorologists and the weather collection equipment for "A.M. Weather".

Public television stations carrying the program follow:

STATION CARRIAGE LIST

<u>ALABAMA NETWORK</u>		WFIQ/Channel 36	"
		Florence	
WAIQ/Channel 26	7:45	WGIQ/Channel 43	"
Montgomery		Louisville	
WBIQ/Channel 10	"	WHIQ/Channel 25	"
Birmingham		Huntsville	
WCIQ/Channel 7	"	WIIQ/Channel 41	"
Mt. Cheana		Demopolis	
WDIQ/Channel 2	"	<u>ARIZONA</u>	
Dozier		KAET/Channel 8	5:45
WEIQ/Channel 42	"	Phoenix/Tempe	
Mobile			

ARKANSAS ETV NETWORK

KETS/Channel 2 7:45
Little Rock
KETG/Channel 9 "
Arkadelphia
KAFT/Channel 13 "
Fayetteville
KTEJ/Channel 19 "
Jonesboro
KEMU/Channel 6 *
Mountain View
(Operational by
June, 1980)*

CALIFORNIA

KCET/Channel 28 6:45 Mon
Los Angeles 6:15 Tue
thru Fri

KPBS/Channel 15 5:45
San Diego

**Channel 67 "
LaJolla

**Channel 59 "
University City/Torrey Pines

KOCE/Channel 50 6:45
Huntington Beach

KETH/Channel 54 6:45
San Jose

**Channel 13 "
San Ardo

**Channel 82 "
Gilroy

**Channel 59 "
Gonzales

**Channel 77 "
Hollister

**Channel 65 "
San Martin

**Channel 56 "

KMTF/Channel 18 7:45
Fresno

KCSM/Channel 60 6:45
San Mateo

KVIE/Channel 6 7:30
Sacramento

COLORADO

KRMA/Channel 6 7:15
Denver

KTSC/Channel 8 7:45
Pueblo

** Channel 21 "
Colorado Springs

DELAWARE

WHYY/Channel 12 8:45
Wilmington/Philadelphia
(Also listed under
Pennsylvania)

FLORIDA

WEDU/Channel 3 7:45
Tampa

WUSF/Channel 16 9:45
Tampa

WTFE/Channel 24 6:45
Orlando

WSRE/Channel 23 7:45
Pensacola

WFSU/Channel 11 6:45
Tallahassee

WUFT/Channel 5 8:45
Gainesville

WJCT/Channel 7 6:45
Jacksonville

WLRN/Channel 17 7:45
Miami

GEORGIA

WETV/Channel 30 8:15
Atlanta

WGTV/Channel 8 7:45
Athens

GEORGIA ETV NETWORK

WCLP/Channel 18 7:45
Chatsworth

WDCO/Channel 15 7:45
Cochran

WJSP/Channel 28 "
Columbus/Warm Springs

WACS/Channel 25 "
Dawson

WABW/Channel 14 "
Pelham

WXGA/Channel 8 "
Waycross

WVAN/Channel 9 "
Savannah/Pembroke

WCES/Channel 20 "
Wrens

**Channel 51 "
Flintstone

**Channel 35 "
LaFayette

**Channel 65 "
Cedartown

**Channel 50 "
Hiawassee

**Channel 27 "
Draketown

**Channel 49 "
Carrollton

**Channel 48 "
Columbus

**Channel 68 "
Toccoa

**Channel 52 "
Carnesville

**Channel 60 "
Elbertson

**Channel 4 "
Young Harris

IDAHO

KUID/Channel 12 7:45
Moscow

KBGL/Channel 10 7:45
Pocatello

KAID/Channel 4 7:45
Boise

**Channel 9 "
Cascade

**Channel 65 "
Hagerman

**Channel 13 "
Twin Falls

**Channel 5 "
McCall

ILLINOIS

WTTW/Channel 11 6:45
Chicago

WILL/Channel 12 7:45
Urbana

INDIANA

WFYI/Channel 20 7:15
Indianapolis

WVUT/Channel 22 7:45
Vincennes

WTIU/Channel 30 8:45
Bloomington

WIPB/Channel 49 8:45
Muncie

WNIT/Channel 34 6:45
South Bend

IOWA NETWORK

KBIN/Channel 32 6:45 Mon
Council Bluffs Wed. & Fri.
6:15
Tues. & Thurs.

KDIN/Channel 11 6:45 Mon, Wed
Des Moines & Fri.
6:15 Tues.
& Thurs.

KHIN/Channel 36 "
Red Oak

KSIN/Channel 27 "
Sioux City

KRIN/Channel 32 "
Waterloo

KTIN/Channel 21 "
Ft. Dodge

KYIN/Channel 24 "
Mason City

KIIN/Channel 12 "
Iowa City/Cedar Rapids

**Channel 33 "
Ottumwa

**Channel 33 "
Sibley

**Channel 25 "
Rock Rapids

**Channel 38 "
Ft. Madison

**Channel 54 "
Keosauqua

**Channel 44 "
Keokuk

KANSAS

KTWU/Channel 11 8:45
Topeka

KPTS/Channel 8 7:45
Wichita

KENTUCKY NETWORK

WKAS/Channel 25 8:15
Ashland

WKGB/Channel 53 7:15
Bowling Green

WCVN/Channel 54 8:15
Covington

WKZT/Channel 23 8:15
Elizabethtown

WKHA/Channel 35 8:15
Hazard

WKLE/Channel 46 8:15
Lexington/Richmond

KENTUCKY NETWORK CON'T)

WKMJ/Channel 68 8:15
Louisville

WKMA/Channel 35 7:15
Madisonville

WKMR/Channel 38 8:15
Morehead

WKMU/Channel 21 7:15
Murray/Mayfield

WKOH/Channel 31 7:15
Owensboro/Henderson

WKON/Channel 52 8:15
Owenton

WKPD/Channel 29 7:15
Paducah

WKPI/Channel 22 8:15
Pikeville

WKSO/Channel 29 8:15
Somerset

**Channel 56 8:15
Augusta

**Channel 12 8:15
Barbourville

**Channel 9 8:15
Cowen Creek/Eolia

**Channel 56 8:15
Falmouth

**Channel 55 8:15
Hawesville

**Channel 10 8:15
Louisa

**Channel 8 8:15
Pineville

**Channel 66 8:15
Whitesburg

WKPC/Channel 15 7:15
Louisville

LOUISIANA

WYES/Channel 12 7:45
New Orleans

LOUISIANA NETWORK

WLPB/Channel 27 7:45
Baton Rouge

KLTM/Channel 13 "
Monroe

KLTS/Channel 24 "
Shreveport

MAINE

WCBB/Channel 10 8:45
Augusta/Lewiston

MAINE NETWORK

WMEG/Channel 26 8:45
Biddeford

WMED/Channel 13 "
Calais

WMEB/Channel 12 "
Orono

WMEM/Channel 10 "
Presque Isle

MARYLAND NETWORK

WAPB/Channel 22 6:45 & 7:45
Annapolis

WMPB/Channel 67 "
Baltimore

**Translators

MARYLAND NETWORK (CON'T)

WCPB/Channel 28 6:45 & 7:45
Salisbury

WVPB/Channel 31
Hagerstown

MASSACHUSETTS

WGBY/Channel 57 9:15
Springfield

WGBH/Channel 2 8:45
Boston

MICHIGAN

WCML/Channel 6 7:15
Alpena

WCUM/Channel 14 7:15
Mt. Pleasant

WTVS/Channel 56 6:45 & 9:00
Detroit

WUCM/Channel 19 8:45
University Center

WKAR/Channel 23 8:45
East Lansing

WNMU/Channel 13 7:45
Marquette

WGVC/Channel 35 7:45
Grand Rapids

WFUM/Channel 28 -
Flint
(Scheduled to go on air
June, 1980)

MINNESOTA

KWCM/Channel 10 7:45
Appleton

KTCA/Channel 2 6:15
St. Paul

WDSE/Channel 8 8:15
Duluth

KAVT/Channel 15 7:45
Austin

MISSISSIPPI NETWORK

WMAA/Channel 29 6:45
Jackson

WMAB/Channel 2
Miss. State

WMAH/Channel 19
Biloxi

WMAO/Channel 23
Greenwood

WMAU/Channel 17
Bude

WMAV/Channel 18
Oxford

WMAW/Channel 14
Meridian

WMAE/Channel 12
Booneville

**Channel 45
Columbia

MISSOURI

KCPT/Channel 19 7:45 Monday thru
Kansas City Friday
7:30 also Tuesday
thru Friday only.

KETC/Channel 9 6:45
St. Louis

KOZK/Channel 21 7:45
Springfield

NEBRASKA NETWORK

KTNE/Channel 13 6:45
Alliance

KNME/Channel 7
Bassett

KHNE/Channel 29
Hastings

KLNE/Channel 3
Lexington

KUON/Channel 12
Lincoln

KRNE/Channel 12 6:45
Merriman

KPNE/Channel 9
North Platte

KXNE/Channel 19
Norfolk

KYNE/Channel 26
Omaha

NEW HAMPSHIRE NETWORK

WENH/Channel 11 8:15
Durham

WHED/Channel 15
Hanover

WEDB/Channel 40
Berlin

WLED/Channel 49
Littleton

WEKW/Channel 52
Keene

**Channel 59
North Woodstock

**Channel 70
North Conway

NEW JERSEY NETWORK

WNJS/Channel 23 7:45
Camden

WNJT/Channel 52
Trenton

WNJM/Channel 50 8:45
Montclair

WNJB/Channel 58
Brunswick

NEW MEXICO

KENW/Channel 3 5:45
Portales

KJME/Channel 5 7:15
Albuquerque

**Channel 74
Zuni

**Channel 11
Crowpoint

**Channel 63
Gallup

**Channel 61
Mt. Powell

**Channel 2
Penasco

**Channel 63
Hunter's Point, AZ

**Channel 60
Colfax

**Channel 60
Huerfano

**Channel 55
Farmington

**Channel 2
Roy

NEW MEXICO (CON'T)

**Channel 59
San Luis, CO.

**Channel 2
Quemado

**Channel 73
Truth or Consequences

**Channel 66
Dezza Bluff (Tohatchi)

**Channel 77
Mancos, CO

**Channel 74
Santa Rosa

**Channel 74
Roff Butt, AZ

**Channel 6
Chinle, AZ

**Channel 4 7:15
Del Norte, CO

**Channel 61
Mt. Powell

**Channel 63
Ft. Wingate

**Channel 63
Eagle Nest

**Channel 68
Sunetha, CO

**Channel 62
Pagosa Springs, CO

**Channel 11
Rodarte

**Channels 67, 60, 69,
55, 67, 66, & 58
Fort Defiance, AZ

NEW YORK

WLIW/Channel 21 7:45
Garden City
Long Island

WSKG/Channel 46 6:45
Binghamton

**Channel 4
Giboa

**Channel 4
Davenport

**Channel 4
Salt Springville

**Channel 4
Morris

**Channel 7
Sprout Brook

**Channel 12
Hunter

**Channel 67
Delhi

**Channel 67 6:45
Springfield

**Channel 69
Arkville

**Channel 71
Stamford

**Channel 75
Edmestown

**Channel 76
Jefferson

**Channel 79
Worcester

**Channel 81
Milford

**Channel 81
South Kortright

**Channel 83
Cherry Valley

**Channel 83
Laurens

**Channel 83
Andes

**Channel 30
Elmira

**Channel 56
Hammondsport

**Channel 60
Savona

**Channel 57
Prattsburg

**Channel 55
Cohocton

**Channel 57
Canaseraga

**Channel 69
Almond

**Channel 66
Canistota

**Channel 69 6:45
Troupsburg

**Channel 55
Greenwood

**Channel 57
Cameron

**Channel 56
Woodhull

**Channel 58
Addison

**Channel 62
Lindley

**Channel 68
Corning

**Channel 56
East Corning

**Channel 56
Chambers

**Channel 58
Elmira

**Channel 66
Pine City

**Channel 69
Montour Falls

**Channel 62
Waverly

**Channel 56
Van Etten

**Channel 59
Spencer

**Channel 57
Binghamton

**Channel 66
Whitney Point

**Channel 65 6:45
Kattelville

**Channel 62
Belden

**Channel 66
Harpursville

**Channel 63
Binghamton

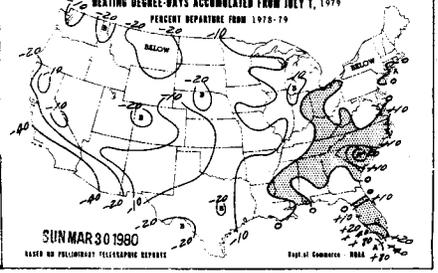
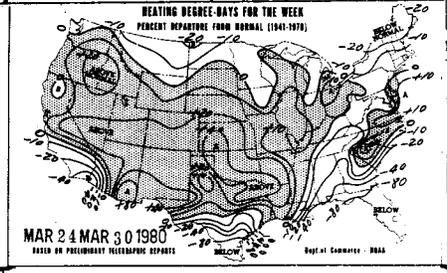
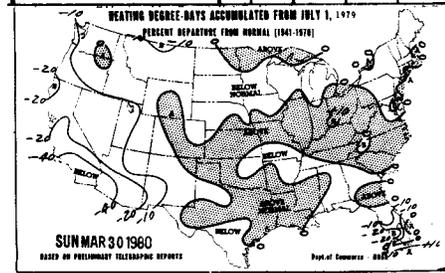
**Translators

<u>NEW YORK CON'T)</u>		<u>(OHIO CON'T)</u>		<u>SOUTH CAROLINA</u>		<u>UTAH</u>	
**Channel 66 Hawleyton	"	WBGU/Channel 57 Bowling Green	7:15	WJWJ/Channel 16 Beaufort	7:45	KBYU/Channel 11 Provo	7:45
**Channel 67 Vestal	"	**Channel 39 Ft. Wayne Indiana	"	WNSC/Channel 30 Rock Hill	"	<u>VERMONT NETWORK</u>	
**Channel 62 Owego	"	WNEO/Channel 45 Alliance	8:15	WRJA/Channel 27 Sumter	"	WETK/Channel 33 Burlington	8:45
**Channel 62 Maine	"	WEAO/Channel 49 Akron	"	WEBA/Channel 14 Allendale/Barnwell	7:45	WVER/Channel 28 Rutland	"
**Channel 64 Tioga Center	"	WOSU/Channel 34 Columbus	6:45	WITV/Channel 7 Charleston	"	WVBT/Channel 20 St. Johnsburry	"
WCNY/Channel 24 Syracuse	7:15	WPBO/Channel 42 Portsmouth	6:45	WJPM/Channel 33 Florence/Darlington	"	WVTA/Channel 41 Windsor	"
WXXI/Channel 21 Rochester	7:15	Cable/Channel 7 Athens	6:45	WNTV/Channel 29 Greenville	"	<u>VIRGINIA</u>	
WMHT/Channel 17 Schenectady	6:45	<u>OKLAHOMA NETWORK</u>		WRLK/Channel 35 Columbia	"	WVPT/Channel 51 Harrisonburg/Staunton	6:45
**Channel 4 Glens Falls	"	KWET/Channel 12 Cheyenne	7:15	<u>SOUTH DAKOTA NETWORK</u>			
**Channel 4 Schoharie	"	KOET/Channel 3 Eufalua	"	KDSD/Channel 16 Aberdeen	6:45	**Channel 42 Front Royal	"
**Channel 4 Hoosick Falls	"	KETA/Channel 13 Oklahoma City	"	KESD/Channel 8 Brookings	"	**Channel 75 Luray	6:45
WCFE/Channel 57 Plattsburgh	7:45	KOED/Channel 11 Tulsa	"	KPSD/Channel 13 Eagle Butte	"	WCVF/Channel 23 Richmond	7:45
WNPE/Channel 16 & WNPI/Channel 18 Watertown	7:45	**Channel 19 Altus	"	KQSD/Channel 11 Lowry	"	WBRA/Channel 15 Roanoke	8:45
WNYC/Channel 31 New York City	11:45	**Channel 56 Beaver	"	KZSD/Channel 8 Martin	"	WSVN/Channel 47 Norton	"
WNED/Channel 17 Buffalo	7:15	**Channel 55 Boise City	"	KTSD/Channel 10 Pierre	"	WHRO/Channel 15 Norfolk	8:45
<u>NORTH CAROLINA NETWORK</u>		**Channel 58 Buffalo	"	KBHE/Channel 9 Rapid City	"	<u>VIRGIN ISLANDS</u>	
WUNF/Channel 33 Adheville	7:45	**Channel 57 Frederick	"	KUSD/Channel 2 Vermillion	"	WTJX/Channel 12 St. Thomas	8:45
WUNC/Channel 4 Chapel Hill	"	**Channel 16 Guyman	"	+14 translators.			
WUND/Channel 2 Columbia	"	**Channel 15 Hugo	"	<u>TENNESSEE</u>			
WUNG/Channel 58 Concord	"	**Channel 63 Idabel	7:15	WTCI/Channel 45 Chattanooga	9:10	<u>WEST VIRGINIA</u>	
WUNK/Channel 25 Greenville	"	**Channel 36 Lawton	"	WDCN/Channel 8 Nashville	7:30	WMUL/Channel 33 Huntington	6:45
WUNE/Channel 17 Linville	"	<u>OREGON</u>		WSJK/Channel 2 Knoxville	6:45 & 7:45	**Channel 57 Parkersburg	"
WUNJ/Channel 39 Wilmington	"	KSYS/Channel 8 Medford	7:45	WLJT/Channel 11 Lexington	"	WSWP/Channel 9 Beckley	7:45
WUNL/Channel 26 Winston-Salem	"	<u>PENNSYLVANIA</u>		<u>TEXAS</u>			
+ 6 Translators		WVIA/Channel 44 Scranton/Wilkes Barre	6:45	KCOS/Channel 7 El Paso	8:00 & 8:30	<u>WISCONSIN</u>	
<u>NORTH DAKOTA</u>		WITF/Channel 33 Hershey	6:45	KERA/Channel 13 Dallas	5:45	WMVS/Channel 10 Milwaukee	7:45
KFME/Channel 13 Fargo	7:45	**Channel 51 Redding	"	KEDT/Channel 16 Corpus Christi	6:15	WHA/Channel 21 Madison	7:45
KGFE/Channel 2 Grand Forks	"	**Channel 73 Chambersburg	"	KTXT/Channel 5 Lubbock	7:45	<u>WISCONSIN NETWORK</u>	
<u>OHIO</u>		WLVT/Channel 39 Bethlehem	7:15	KNCT/Channel 46 Killeen	7:45 & 11:00	WPNE/Channel 38 Green Bay	7:45
WCET/Channel 48 Cincinnati	7:45	WQLN/Channel 54 Erie	8:15	KUHT/Channel 8 Houston	6:15	WLEF/Channel 36 Park Falls	"
**Channel 58 Georgetown	"	WPSX/Channel 3 Clearfield/ University Park	6:45 Thurs. Only 8:45 other weekdays	KLRN/Channel 18 Austin	7:15	WHLA/Channel 31 La Crosse	"
WPTD/Channel 16 Dayton	8:30	WHYY/Channel 12 Philadelphia/ Wilmington (Also listed under Delaware)	8:45	KLRU/Channel 9 San Antonio	7:15	WHWC/Channel 28 Menomonie	7:45
WPTO/Channel 14 Oxford	8:30			KAMU/Channel 15 College Station	7:45	WHRM/Channel 20 Wausau	"
WGTE/Channel 30 Toledo	8:15					**Channel 69 Iron Mountain, MI	"
						**TRANSLATORS	

HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING MAR. 30, 1980.

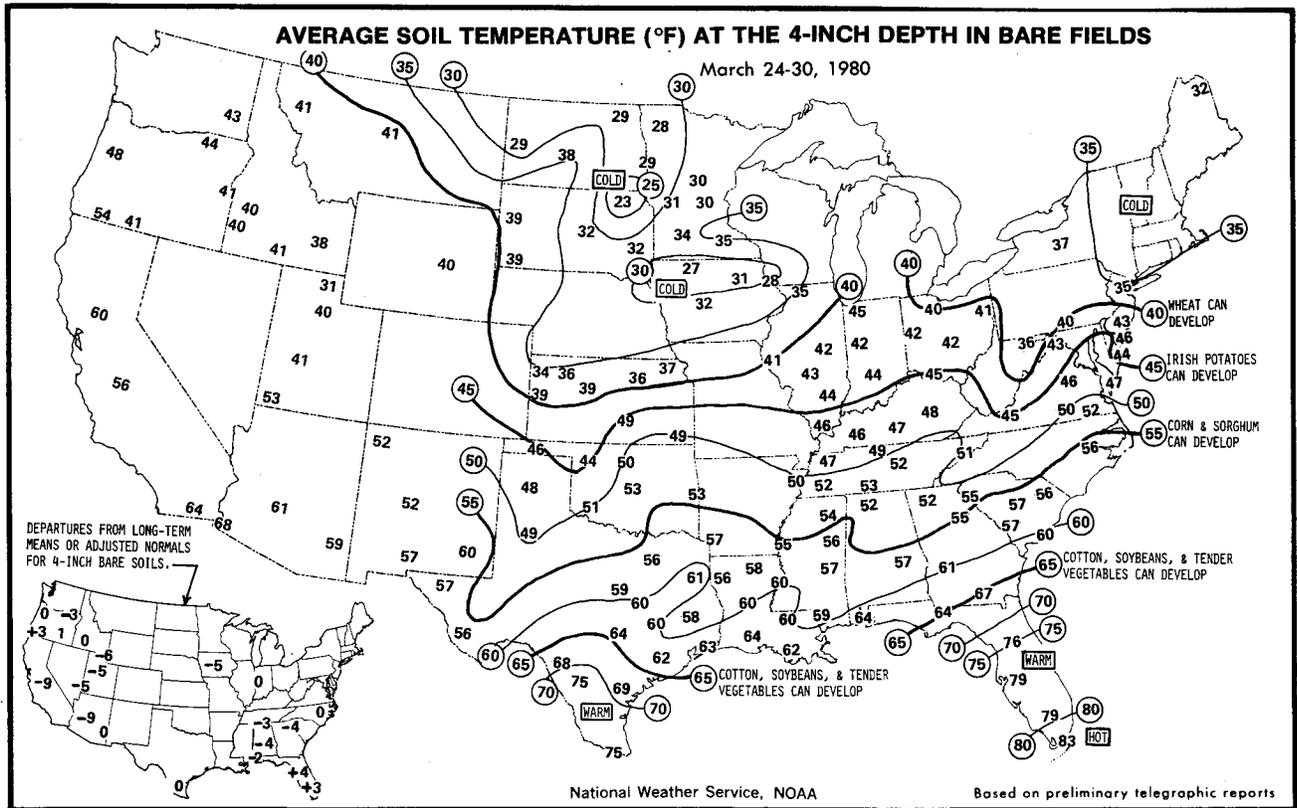
BASED ON 1941-70 NORMALS. + ACCUMULATION FROM JULY 1, 1979.

Table with 12 columns: STATES AND STATIONS, WEEKLY ACCUMULATION, SEASONAL ACCUMULATION FROM 1978-79, and their respective DEPARTURE values. The table is organized into three main sections for different regions.





FIRST CLASS MAIL



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