

WEEKLY WEATHER AND CROP BULLETIN

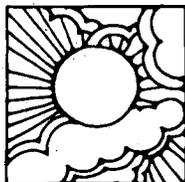
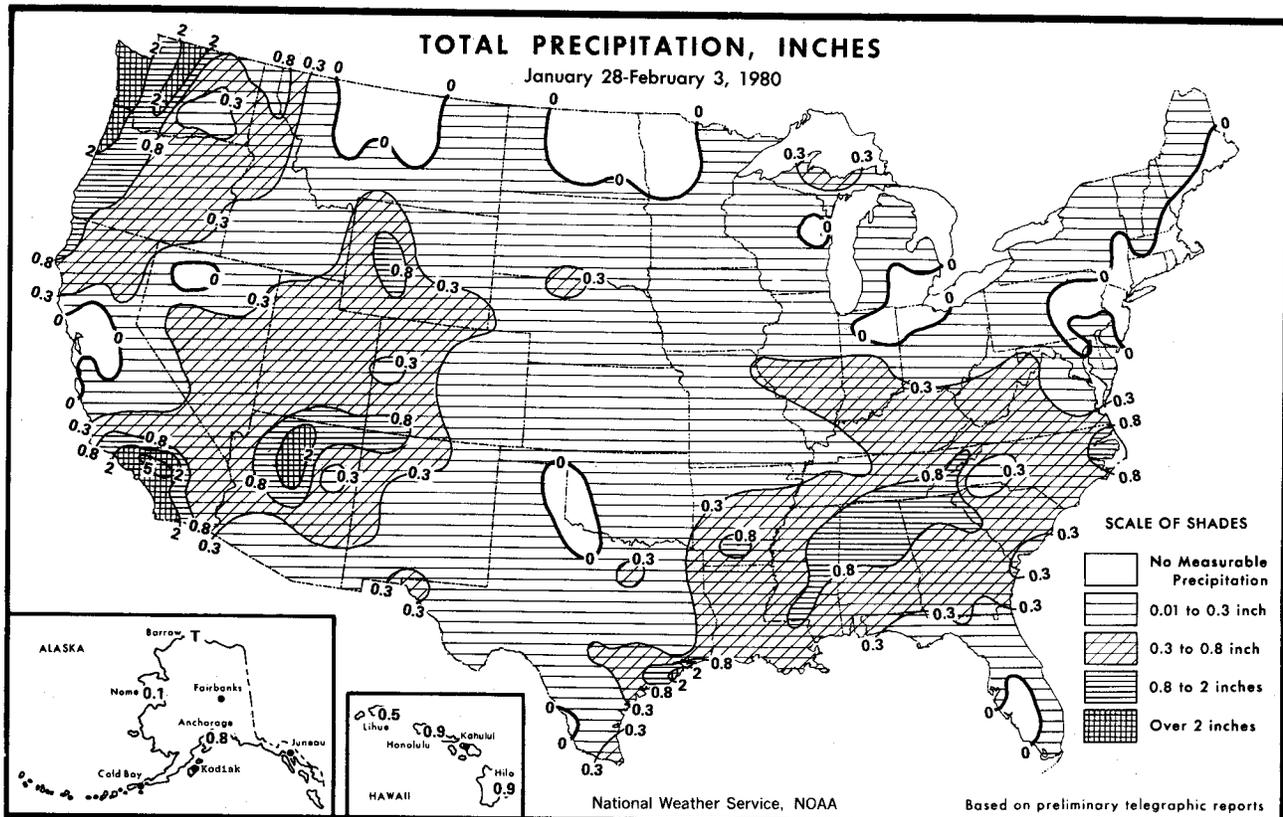
U.S. DEPARTMENT OF COMMERCE
National Weather Service, NOAA

U.S. DEPARTMENT OF AGRICULTURE
Economics, Statistics, and Cooperatives Service

Volume 67, No. 6

Washington, D.C.

Feb. 5, 1980



National Weather Summary

January 28 - February 3

HIGHLIGHTS: The West and Southeast dominated the weather picture. Seasonal rains continued in the Pacific Northwest. However, unusually heavy moisture fell in southern California and the southern Plateau Region; rain fell heavily in the Los Angeles vicinity and extended to the desert. Heavy snow blanketed the lower Plateau and central Rockies. Moderate precipitation fell in the Southeast, with light amounts in other areas.

Temperatures ranged colder than normal in all but the Southwest. Readings averaged 15 to 18 degrees colder than normal from Washington State to West Virginia. Freezing temperatures dipped

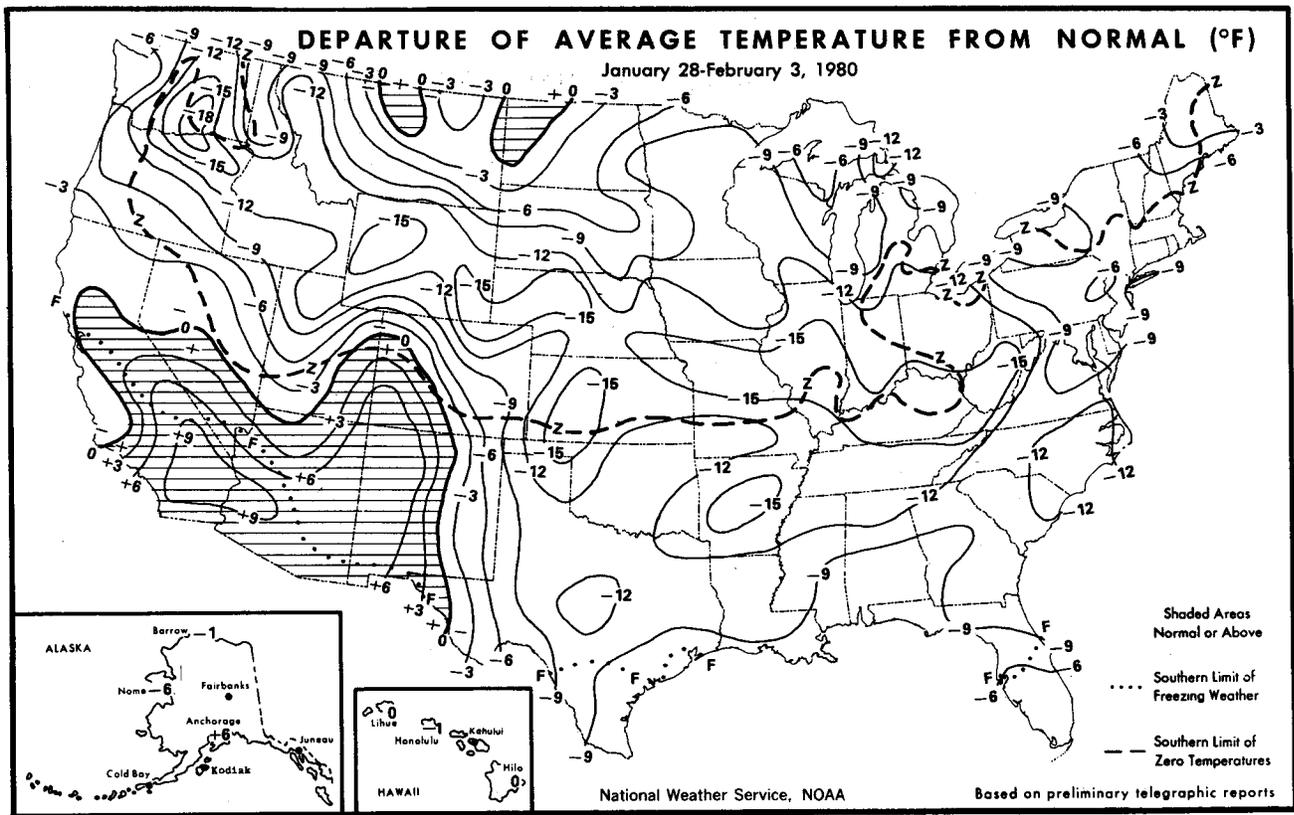
into northern Florida, with unseasonably cold readings over the entire State. By week's end, warming had begun in the northern Plains.

On Monday, the remnants of a weekend storm dumped about 3 inches of snow on Reno, west central Nevada. Some light snow and freezing rain touched the southern Plains, and light snow dusted the Great Lakes Region.

Locally heavy rains and high winds hit southern California, where more than an inch doused Los Angeles and Ontario.

Extremely cold temperatures stretched from the Rockies to the Midwest. For the third consecutive day, Casper, east central Wyoming, notched a record low reading--the -32° undercut the former record by 9 degrees. Eureka, on northern California's coast, tallied a record low 29°--2 degrees below the 1957 record.

A complex storm system in the Southwest spread winter weather from the southern Plateau Region across the Rockies to the western portions of the



southern and central Plains on Tuesday. Durango, southwestern Colorado, measured 19 inches of snow, and Salt Lake City posted a January 24-hour record snowfall of 11 inches. Light rain edged into New Mexico and parts of Texas.

Meantime, heavy rains continued in southern California; Mt. Wilson reeled under nearly 7 inches of rain from the storm, and San Diego received nearly an inch and a half for the day.

Up to 3 inches of snow whitened an area from New York State through southern New England.

Temperatures remained bitterly cold in the Rockies; Casper, Wyo., at -28° , scored another record low reading.

The heavy rain moved out of southern California into central Arizona, where almost 4 inches deluged some parts on Wednesday. Further north in Flagstaff, the winter storm had left 2 feet of snow.

Light snow extended from the middle Mississippi Valley to the Atlantic Coast; Louisville, north central Kentucky, and Beckley, southern West Virginia, both counted 3 inches.

Showers dampened the Gulf Coast States; the heaviest amount showed three-quarters inch at McComb, southern Mississippi.

Bitter cold continued to grip the northern tier of States.

On Thursday, up to a half-foot of snow fell in the Appalachians and central Virginia, with 2 to 4 inches reaching the coasts of Virginia and North Carolina. Light rain persisted to the south, where Columbus, western Georgia, accumulated three-quarters inch.

In the Northwest, a cold front spread light rain over Washington and parts of Oregon, with light snow reaching the mountainous eastern sections.

Temperatures in the Rockies began to warm, but the mercury plummeted in the midlands. Denver

topped the freezing mark for the first time in 5 days. However, record low readings chilled Kansas City, Mo., -8° , and Valentine, northern Nebraska, -25° . Grand Island, south central Nebraska, knotted its record of -18° .

The cold front in the Northwest pushed eastward bringing light rain to coastal sections and snow inland on Friday; Salem, Ore., measured a half-inch of rain, and Stampede Pass, in Washington's Cascade Mountains, noted 5 inches of snow.

Moisture was light throughout the remainder of the country. Frigid temperatures held fast in the upper Great Lakes area.

Rain and snow continued in the Northwest on Saturday, while record cold moved into the Southeast.

More than an inch of rain soaked Quillayute, western Washington, and Brookings, in extreme southwestern Oregon. Very light moisture fell over southern and eastern Texas.

Cold air covered Florida; records included 43° at Miami Beach, and 30° at Tampa, which dipped 1 degree below the 1898 mark. Record-equaling readings showed 32° at Orlando and 10° at Greensboro, north central North Carolina.

On Sunday morning, temperatures warmed slightly in the southern half of Florida, but continued very cold in the northern portion of the State. Tallahassee saw 21° ; other cities at or below 32° included Pensacola, Jacksonville, Valparaiso, and Cross City. In North Carolina, Greensboro's 10° tied the record, and Raleigh's 7° undercut the 1965 record by 8 degrees.

Rain continued in the Northwest, where Portland, Ore., and Seattle tallied an inch and one-half over 3 days.

Snow fell from the Midwest through Arkansas; Milwaukee, at 7 inches, received the heaviest total.



National Agricultural Summary

January 28 - February 3

HIGHLIGHTS: Subnormal temperatures plunged deep into the Nation sparing only the Southwest, which enjoyed readings slightly above normal. Low temperatures put stress on some winter wheat stands, which lacked sufficient snowcover; however, no damage assessment could be made at this time. The subnormal readings also created a need to feed heavier rations to most of the Nation's cattle herds. The low temperatures pushed deep into Florida posing a threat to citrus groves, but the duration of the low temperatures was so short that damage was insignificant. Most of the Nation remained relatively dry; only the Pacific Northwest, southern California extending into Arizona, and the Texas Gulf Coast received significant amounts of precipitation. Farmers did very little fieldwork; wet soils limited progress in southern areas, and northern farmers were limited to spreading fertilizer, lime, and manure. Small grains rated fair to good. Snowcover increased just ahead of the plunging temperatures; some areas were susceptible to damage because of the light snowcover. Pastures rated mostly fair; subnormal temperatures checked growth. Feed and roughage supplies were adequate with only portions of the Pacific Northwest reporting hay shortages. Livestock rated fair to mostly good taking the more severe weather in stride.

SMALL GRAINS: Small grains rated fair to good; snowcover increased but remained light in many areas spurring the potential of possible damage. However, no freeze damage was apparent.

Kansas snowcover insulated wheat from subzero temperatures. Nebraska winter wheat rated fair to good. Low temperatures, with little additional snowcover, raised concern for possible damage to North Dakota winter wheat. Mild January weather enabled late-planted Oklahoma wheat to reach good stands, although dry soils limited top growth. The crop rated fair with 25% of the acreage being grazed. Small grains in Texas became dormant from the subnormal temperatures throughout the Plains, Edwards Plateau, and Cross-Timbers. The cold weather caused no apparent damage but reduced greenbug population in the Blacklands. Winter wheat in the Corn Belt rated good but had only limited snowcover. California wheat rated good; dry weather in northern areas proved helpful. Producers applied weed sprays. Arizona seeding was almost finished. Oregon wheat rated good; some growers applied fertilizer. Washington wheat growers expect limited freeze damage. The Idaho crop had very little snowcover.

OTHER CROPS: Land preparation for the 1980 cotton crop centered in Arizona and the lower Rio Grande Valley.

Tobacco producers prepared leaf for final sales, which were scheduled to close during the next week. Wet soils delayed plant bed preparations for the 1980 crop in some areas, while other areas were able to seed some beds.

FRUITS & NUTS: Deciduous-fruit growers continued to prune trees and apply dormant sprays. Plunging temperatures may have damaged some buds in northern areas. California almonds and desert peaches began blooming.

Florida citrus groves rated very good. Orange picking for processing moved very actively. Freezing temperatures produced insignificant damage to fruit because of the short duration and winds; very few orchards needed protection from the freeze. Texas harvests of grapefruit and early oranges tapered off; however, ample supplies were available. The Valencia harvest got underway. Arizona citrus harvests moved steadily; the lemon harvest wound down. California growers harvested grapefruit, lemons, Navels, tangelos, and tangerines. Some Navels and tangerines had weak skin, but eating quality remained excellent.

VEGETABLES: Subnormal temperatures damaged some early planted spring vegetables in the middle Atlantic States. Low temperatures in Florida vegetable areas produced light frost and minor burn damage to tender foliage. Winds helped reduce the frost damage. Crop conditions generally rated fair to mostly good, although the adverse weather slowed plant growth and harvest progress. Overall shipments from Florida declined 5% from the previous week.

Texas growers harvested carrots, cabbage, cauliflower, and lettuce, but damp, cold weather slowed activity. Onion plants grew well thanks to the mild winter.

California vegetable producers harvested asparagus, broccoli, cauliflower, carrots, celery, lettuce, and strawberries. Rains in southern California delayed harvests along the south coast and in the Imperial Valley. Rains also delayed tomato planting.

PASTURES & LIVESTOCK: Pastures generally rated fair and improving in extreme southern areas. Subnormal temperatures throughout much of the South slowed grass growth, though California rains and above-normal temperatures improved range growth enough for ranchers to reduce supplemental feeding. Cattle were able to graze some crop stubble in northern areas because of the limited snowcover. Cattle generally rated good, although the low temperatures increased the need for additional rations. Feed supplies proved adequate for hay shortages in Oregon.

Weather Data for the Week Ending Feb. 3, 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., '3 since Dec. '3	Pct. normal since Dec. '3	Average maximum	Average minimum	Temperature °F		Precipitation		
														90 and above	32 and below	.01 inch or more	.50 inch or more	
ALA. Birmingham.	41	25	53	15	33	-11	1.3	-.1	.6	8.3	80	80	53	0	6	2	1	
Mobile.	57	35	72	24	46	-5	.3	.7	.3	8.9	83	74	40	0	4	2	0	
Montgomery.	54	32	68	22	43	-5	.3	.5	.2	6.8	75	76	41	0	4	2	0	
ALASKA. Anchorage.	25	16	39	10	21	8	.8	.6	.7	142	85	65	0	0	7	3	1	
Barrow.	-14	-22	0	-34	-18	-3	T	.1	T	.3	50	71	53	0	7	0	0	
Fairbanks.	5	-12	16	-32	-3	7	.2	.1	.2	.7	50	70	66	0	7	3	0	
Kodiak.	36	28	42	18	32	1	1.1	0	.9	6.8	56	79	59	0	5	3	1	
Nome.	10	-9	25	-18	0	-6	1.1	-.2	.1	2.2	138	76	51	0	7	1	0	
ARIZ. Flagstaff.	44	23	57	10	33	5	2.4	2.0	-.1	8.1	198	92	56	0	7	3	1	
Phoenix.	71	52	79	49	62	10	.2	.1	.1	1.8	129	79	40	0	0	2	0	
Tucson.	71	50	82	44	60	9	.1	0	.1	.9	56	65	31	0	0	1	0	
Winslow.	53	32	61	25	42	9	.3	.2	.2	1.8	200	---	---	0	4	2	0	
Yuma.	74	54	79	51	64	7	.3	.2	.1	.6	67	68	27	0	0	2	0	
ARK. Fort Smith.	34	22	41	12	28	-11	.2	-.4	.2	3.7	69	90	59	0	7	1	0	
Little Rock.	32	21	36	12	27	-16	.6	-.4	.1	5.8	67	82	66	0	7	3	0	
CALIF. Bakersfield.	54	44	61	38	49	1	.5	.2	.5	3.3	194	---	74	0	0	1	1	
Eureka.	54	40	64	29	47	-1	.8	-.6	.7	7.3	51	82	61	0	3	2	1	
Fresno.	56	42	62	37	49	3	T	-.4	T	4.6	128	95	65	0	0	2	0	
Los Angeles.	70	54	76	52	62	5	2.0	1.4	1.3	7.5	136	80	57	0	0	3	2	
Red Bluff.	57	37	64	25	47	0	.3	-.6	.2	9.1	107	76	49	0	3	2	0	
San Diego.	72	58	77	55	65	9	2.5	2.1	2.1	5.6	156	83	57	0	0	3	1	
San Francisco	57	41	63	31	49	0	T	-1.0	T	9.3	108	79	56	0	1	0	0	
Stockton.	56	39	60	32	48	2	0	.6	0	4.9	88	---	62	0	1	2	0	
COLO. Denver.	33	11	55	-4	22	-8	T	-.1	T	1.7	189	70	38	0	7	2	0	
Grand Junction.	43	25	49	19	34	7	.1	-.1	.1	.8	80	77	50	0	7	1	0	
Pueblo.	38	11	61	3	25	-6	T	-.1	T	1.2	133	---	53	0	7	2	0	
CONN. Bridgeport	30	16	37	9	23	-7	0	-.6	0	3.4	56	46	27	0	7	0	0	
Hartford.	26	12	35	6	19	-6	0	-.9	0	2.7	36	53	30	0	7	0	0	
D.C. Washington.	35	22	44	18	29	-7	.1	-.5	.1	3.7	64	63	40	0	6	1	0	
FLA. Apalachicola.	56	38	65	27	47	-7	T	-.8	T	7.8	118	67	53	0	3	1	0	
Daytona Beach.	59	42	73	32	50	-9	.1	-.5	.1	4.3	107	76	48	0	1	1	0	
Ft. Myers.	69	50	78	36	59	-4	0	-.3	0	7.6	238	79	54	0	0	0	0	
Jacksonville.	55	34	66	25	45	-11	.2	-.6	.2	4.7	84	81	46	0	3	1	0	
Key West.	71	61	78	50	66	-5	T	-.3	T	2.2	85	87	62	0	0	1	0	
Miami.	70	53	77	44	62	-5	.1	-.4	.1	5.0	122	87	52	0	0	2	0	
Orlando.	65	42	78	32	54	-7	T	-.6	T	3.4	79	79	45	0	1	1	0	
Tallahassee.	56	31	69	21	44	-9	.1	-.9	.1	10.3	126	88	42	0	3	1	0	
Tampa.	65	45	74	30	55	-6	T	-.5	T	3.2	68	72	46	0	1	1	0	
W. Palm Beach.	70	50	80	38	60	-7	.1	-.5	.1	7.0	137	89	53	0	0	2	0	
GA. Atlanta.	42	24	54	14	33	-10	.4	-.5	.2	6.4	72	82	45	0	6	2	0	
Augusta.	46	27	60	14	37	-10	.5	-.3	.4	5.9	83	83	46	0	5	2	0	
Macon.	53	28	62	17	41	-8	.4	-.3	.4	5.2	63	91	41	0	4	1	0	
Savannah.	51	32	63	21	41	-9	.1	-.4	.1	5.7	90	78	41	0	3	1	0	
HAWAII. Hilo.	---	---	---	---	72	0	.9	-1.5	---	8.7	35	---	---	0	0	---	---	
Honolulu.	78	65	82	59	71	-1	.9	-.1	---	10.5	128	88	57	0	0	---	---	
Kahului.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Lihue.	---	---	---	---	71	0	.5	-.7	---	5.3	41	---	---	0	0	---	---	
IDAHO. Boise.	28	12	39	-7	20	-10	.1	-.2	.1	2.3	74	87	64	0	7	3	0	
Lewiston.	34	20	47	3	27	-5	.5	-.2	.4	3.0	111	76	51	0	4	2	0	
Pocatello.	25	5	39	-17	15	-8	T	-.2	T	3.6	171	76	62	0	7	1	0	
ILL. Cairo.	28	19	35	10	24	-13	.2	-.7	.2	5.6	70	---	---	0	0	1	0	
Chicago.	20	2	25	-3	11	-13	.2	-.2	.1	3.4	87	74	51	0	7	3	0	
Moline.	19	3	25	-6	11	-11	.2	-.2	.1	3.6	100	76	54	0	7	1	0	
Peoria.	18	3	24	-4	11	-13	.1	-.2	.1	3.0	83	85	52	0	7	1	0	
Rockford.	17	-3	26	-7	7	-13	T	-.3	T	3.2	89	84	51	0	7	1	0	
Springfield.	19	4	23	-11	11	-16	.3	-.1	.3	3.1	84	78	52	0	7	3	0	
IND. Evansville.	22	9	28	-7	16	-17	.3	-.8	.3	4.9	70	76	57	0	7	2	0	
Ft. Wayne.	19	7	22	3	13	-12	T	-.8	T	3.3	66	70	49	0	7	0	0	
Indianapolis.	22	6	25	-4	14	-14	.3	-.3	.3	4.3	77	76	50	0	7	1	0	
South Bend.	21	7	25	1	14	-10	T	-.5	T	5.0	96	91	63	0	7	1	0	
IOWA. Burlington.	18	5	24	-4	11	-13	.2	-.1	.2	2.4	69	---	---	0	0	1	0	
Des Moines.	16	2	24	-9	9	-10	.1	-.1	.1	1.8	82	63	51	0	7	2	0	
Dubuque.	16	1	22	-7	9	-9	.1	-.2	.1	3.3	92	73	49	0	7	2	0	
Sioux City.	15	-3	22	-16	6	-12	.2	0	.1	.6	50	79	54	0	7	2	0	
KANS. Concordia.	22	5	33	-10	14	-13	.1	-.1	.1	1.7	131	80	60	0	7	2	0	
Dodge City.	25	7	47	-8	16	-15	.2	-.1	.1	1.8	200	84	62	0	7	3	0	
Goodland.	29	9	49	-2	19	-9	.1	0	T	1.9	211	81	55	0	7	3	0	
Topeka.	23	7	37	-9	15	-13	.1	-.1	.1	1.5	56	81	57	0	7	2	0	
Wichita.	29	13	44	3	21	-11	T	-.1	T	3.8	181	78	54	0	7	1	0	
KY. Lexington.	23	9	29	-4	16	-17	.4	-.4	.4	5.5	72	72	57	0	7	2	0	
Louisville.	26	12	30	4	19	-15	.6	-.5	.6	5.6	79	76	50	0	7	1	1	

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending Feb. 3, 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 Dec. 3	Pct. normal since Dec. 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	52	33	74	21	42	-9	.1	1.0	.1	7.5	77	85	57	0	4	1	0
Lake Charles	52	36	77	25	44	-9	.5	.4	.4	8.6	89	83	63	0	4	2	0
New Orleans	56	37	75	27	47	-6	.2	1.0	.1	9.6	97	71	49	0	4	3	0
Shreveport	43	31	55	23	37	-10	.6	.3	.3	7.7	93	88	62	0	4	3	0
MAINE. Caribou	15	4	26	0	10	0	0	.1	.1	4.7	100	65	44	0	7	1	0
Portland	25	3	32	-3	14	-7	0	.8	0	3.5	47	81	38	0	7	0	0
MD. Baltimore	33	19	42	14	26	-8	0	.6	0	3.5	56	53	32	0	7	0	0
MASS. Bostpn	28	16	36	9	22	-7	0	.7	0	2.1	27	45	31	0	7	0	0
Chatham	28	17	36	12	23	-	0	0	0	8.2	105	64	45	0	7	0	0
MICH. Alpena	17	2	25	-2	9	-8	0	.4	0	3.0	81	-	-	0	0	1	0
Detroit	21	5	22	2	13	-11	0	.4	0	2.9	69	78	47	0	7	1	0
Flint	19	3	20	-3	11	-11	0	.3	0	3.4	94	82	53	0	7	1	0
Grand Rapids	24	7	26	-1	15	-8	0	.4	0	4.5	110	84	60	0	7	2	0
Houghton Lake	19	-2	24	-9	8	-9	0	.3	0	3.4	97	82	41	0	7	2	0
Lansing	19	2	22	-4	11	-11	0	.4	0	3.0	77	89	56	0	7	0	0
Marquette	15	1	21	-3	8	-10	0	.1	.1	4.4	119	90	62	0	7	5	0
Muskegon	21	8	23	-4	15	-9	0	.4	0	4.9	102	78	58	0	7	2	0
S. Ste. Marie	11	-11	18	-16	0	-13	0	.4	0	5.7	133	80	60	0	7	1	0
MINN. Duluth	10	-15	15	-22	-2	-10	0	.1	.1	1.7	63	72	47	0	7	1	0
Internatl. Falls	9	-19	15	-32	-5	-7	0	.2	0	1.3	72	69	39	0	7	1	0
Minneapolis	11	-5	18	-12	3	-9	0	.1	0	1.2	80	72	45	0	7	1	0
Rochester	12	-6	20	-12	3	-10	0	.1	0	2.0	167	74	43	0	7	1	0
St. Cloud	12	-14	22	-20	-1	-10	0	.2	0	1.4	93	80	-	0	7	1	0
MISS. Jackson	47	28	69	17	38	-9	0	.6	.3	11.7	119	89	52	0	4	2	0
Meridian	49	30	69	20	40	-7	0	.7	.2	9.9	100	83	66	0	4	3	0
MO. Columbia	21	7	28	-5	14	-16	0	.2	.2	2.0	56	83	56	0	7	2	0
Kansas City	21	6	34	-8	14	-14	0	.3	0	1.6	53	73	52	0	7	2	0
St. Louis	22	10	29	-1	16	-15	0	.3	0	2.6	68	83	58	0	7	2	0
Springfield	31	16	41	4	24	-10	0	.1	.1	2.2	51	73	45	0	7	1	0
MONT. Billings	26	8	48	-18	17	-5	0	.1	0	1.2	100	61	43	0	6	1	0
Glasgow	15	-6	33	-37	6	-5	0	.1	0	.6	67	78	59	0	7	1	0
Great Falls	28	6	53	-26	17	-5	0	.2	0	1.0	63	66	47	0	6	0	0
Havre	26	-2	52	-21	15	2	0	.1	0	.6	67	74	42	0	7	0	0
Helena	23	1	51	-20	12	-6	0	.1	0	1.3	144	70	43	0	7	0	0
Kalispell	18	-4	43	-28	7	-13	0	.2	0	3.2	97	79	58	0	7	3	0
Miles City	27	3	49	-17	15	0	0	.1	0	.6	67	76	48	0	7	2	0
Missoula	19	3	40	-15	11	-10	0	.2	0	2.6	104	85	66	0	7	1	0
NEBR. Grand Island	19	1	28	-18	10	-12	0	.1	0	1.3	144	80	64	0	7	1	0
Lincoln	19	0	27	-15	10	-13	0	.1	0	1.5	125	82	67	0	7	1	0
Norfolk	18	0	25	-14	9	-10	0	.1	0	.8	80	76	54	0	7	3	0
N. Platte	24	1	44	-10	13	-11	0	.1	0	.9	100	68	53	0	7	3	0
Omaha	16	1	23	-15	9	-14	0	.1	0	.8	62	91	67	0	7	1	0
Valentine	22	-8	35	-25	7	-14	0	.3	.3	.4	44	89	67	0	7	2	0
NEV. Ely	41	4	56	-21	23	-2	0	.4	.3	1.5	136	75	44	0	7	2	0
Las Vegas	61	43	63	36	52	-7	0	.4	.3	1.6	178	81	40	0	0	2	0
Reno	43	21	61	16	32	-1	0	.1	.1	4.8	200	85	48	0	7	1	0
Winnemucca	38	19	50	7	29	0	0	.2	0	2.2	122	74	50	0	6	0	0
N.H. Concord	23	5	32	2	14	-6	0	0	0	2.4	41	66	35	0	7	0	0
N.J. Atlantic City	31	16	41	11	23	-9	0	.6	0	4.9	64	63	32	0	7	0	0
Trenton	29	18	37	13	24	-8	0	0	0	4.1	68	-	-	0	7	0	0
N.MEX. Albuquerque	58	31	61	25	44	8	0	.1	0	1.8	200	76	31	0	5	2	0
Roswell	42	26	61	23	34	-5	0	.1	0	1.2	133	-	-	0	7	1	0
N.Y. Albany	21	8	31	2	15	-7	0	.5	0	1.5	29	61	43	0	7	0	0
Binghamton	17	7	27	2	12	-10	0	.1	0	3.0	57	74	55	0	7	5	0
Buffalo	18	8	24	4	13	-10	0	.3	0	4.6	78	69	55	0	7	5	0
New York	28	17	34	9	23	-9	0	.7	0	4.6	71	55	37	0	7	0	0
Rochester	16	8	24	3	12	-12	0	.4	.1	4.0	83	89	70	0	7	4	0
Syracuse	18	6	28	-2	12	-11	0	.4	.1	3.2	56	81	72	0	7	4	0
N.C. Asheville	35	18	47	10	26	-12	0	.6	.1	3.9	54	87	52	0	6	2	0
Charlotte	40	24	55	15	32	-10	0	.3	.2	6.1	84	75	41	0	5	2	0
Greensboro	36	18	53	10	27	-12	0	.3	.2	5.2	80	73	37	0	7	2	0
Hatteras	37	30	51	22	34	-11	0	.9	.7	13.1	146	68	47	0	5	2	1
Raleigh	37	18	53	7	27	-14	0	.4	.3	5.3	82	94	47	0	7	2	0
Wilmington	40	27	57	16	34	-13	0	.7	.4	6.5	97	79	53	0	4	2	0
N.DAK. Bismarck	14	-6	23	-23	4	-4	0	.1	0	1.1	122	80	57	0	7	0	0
Fargo	6	-9	18	-18	-2	-7	0	.1	0	1.8	200	70	59	0	7	0	0
Williston	18	-4	32	-22	7	-1	0	.1	0	.7	78	88	62	0	7	2	0
OHIO. Akron-Canton	20	8	23	1	14	-12	0	.5	.1	3.5	67	80	53	0	7	1	0
Cincinnati	23	8	28	-3	15	-16	0	.6	.1	5.2	80	82	60	0	7	2	0
Cleveland	18	5	21	-5	11	-16	0	.5	0	5.2	102	81	63	0	7	3	0
Columbus	25	10	32	5	17	-12	0	.5	.1	3.5	66	78	50	0	7	1	0
Dayton	22	8	24	2	15	-13	0	.5	.1	4.5	90	86	45	0	7	2	0
Toledo	19	5	21	2	12	-13	0	.4	0	3.1	72	75	52	0	7	0	0
Youngstown	19	8	22	2	13	-12	0	.6	0	5.3	93	77	54	0	7	1	0

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending Feb. 3, 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 Dec. 3	Pct. normal since Dec. 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	35	18	51	11	27	-11	T	.3	T	4.2	168	78	50	0	7	2	0
Tulsa	35	19	49	11	27	-10	T	.4	T	2.5	74	79	53	0	7	1	0
OREG. Astoria	45	30	56	11	38	-3	2.5	.4	1.3	20.1	98	60	57	0	7	3	2
Burns	30	12	45	-7	21	-5	.4	0	.2	3.3	92	83	62	0	6	3	0
Medford	46	26	57	10	36	-1	.7	0	.5	4.9	69	83	54	0	4	2	0
Pendleton	24	9	49	-6	17	-16	.4	.1	.2	3.3	97	90	74	0	7	4	0
Portland	37	26	59	13	31	-7	1.6	.4	.9	15.4	128	57	60	0	5	4	1
Salem	42	24	59	8	33	-6	1.6	.2	.8	13.4	97	64	58	0	5	3	2
PA. Allentown	29	16	37	12	23	-5	T	.6	T	3.3	50	50	33	0	7	0	0
Erie	19	14	24	10	16	-11	.1	.4	.1	6.3	117	--	--	0	7	5	0
Harrisburg	30	16	37	12	23	-4	T	.6	T	2.4	42	50	29	0	7	1	0
Philadelphia	29	17	37	13	23	-9	T	.6	T	4.1	67	50	29	0	7	1	0
Pittsburgh	21	10	26	5	16	-13	.1	.5	.1	3.9	72	59	37	0	7	3	0
Scranton	23	12	31	8	18	-8	T	.5	T	2.1	46	62	38	0	7	0	0
R.I. Providence	29	14	38	7	22	-7	0	.8	0	3.3	43	43	26	0	7	0	0
S.C. Charleston	46	30	61	19	37	-12	.2	.5	.2	7.4	121	66	41	0	4	1	0
Columbia	43	26	58	14	34	-12	.6	.2	.4	6.2	87	76	52	0	5	2	0
Greenville	42	25	58	12	33	-9	.3	.7	.2	5.6	67	77	41	0	6	2	0
S.DAK. Aberdeen	14	-3	25	-17	6	-4	T	.1	T	.6	67	69	55	0	7	2	0
Huron	19	-3	25	-15	8	-5	.1	0	.1	.2	22	68	48	0	7	2	0
Rapid City	25	-1	50	-15	12	-10	.1	0	.1	.2	22	76	56	0	7	2	0
Sioux Falls	15	-4	21	-16	6	-8	.1	.1	.1	.1	8	74	58	0	7	3	0
TENN. Chattanooga	35	23	48	15	29	-11	1.3	0	1.3	6.6	60	71	58	0	7	1	1
Knoxville	34	22	47	12	28	-13	.7	.4	.6	7.6	80	73	56	0	6	1	1
Memphis	34	25	38	16	29	-12	.7	.5	.6	8.1	81	75	65	0	7	3	1
Nashville	32	19	37	11	25	-13	.1	1.0	.1	7.7	81	79	50	0	7	1	0
TEX. Abilene	43	25	66	20	34	-10	T	.3	T	3.4	162	83	62	0	7	1	0
Amarillo	39	16	60	10	27	-9	T	.1	T	.8	67	91	53	0	7	1	0
Austin	46	34	66	28	40	-10	.2	.4	.1	4.4	100	83	63	0	2	3	0
Beaumont	53	37	77	25	45	-8	.4	.6	.3	7.2	81	86	63	0	3	2	0
Brownsville	63	47	77	36	55	-6	.7	.3	.4	2.6	90	90	69	0	0	4	0
Corpus Christi	58	42	72	35	50	-6	.2	.3	.1	2.4	69	82	71	0	0	3	0
Del Rio	55	35	69	24	45	-7	.1	.1	.1	1.1	110	90	53	0	3	3	0
El Paso	62	38	67	32	50	-6	.3	.2	.3	.7	78	78	42	0	1	1	0
Fort Worth	41	29	57	20	35	-10	.3	.2	.3	5.2	137	80	62	0	6	2	0
Galveston	52	41	67	29	47	-7	2.0	1.3	1.9	9.9	150	83	81	0	1	3	1
Houston	53	37	67	28	45	-7	.3	.6	.2	10.4	133	84	68	0	2	3	0
Lubbock	41	21	63	17	31	-8	T	.1	T	1.9	211	87	53	0	7	2	0
Midland	47	24	67	21	36	-8	.1	0	.1	3.4	378	86	54	0	7	2	0
San Angelo	46	27	69	24	36	-11	T	.2	T	3.4	227	79	57	0	7	1	0
San Antonio	51	35	68	29	43	-8	.2	.3	.1	3.8	112	78	59	0	2	4	0
Victoria	53	39	66	33	46	-8	.3	.2	.3	6.8	179	87	71	0	0	3	0
Waco	43	31	61	21	37	-10	.1	.4	T	6.5	163	83	66	0	3	4	0
Wichita Falls	40	25	59	18	33	-9	T	.3	T	3.7	154	74	49	0	6	0	0
UTAH. Blanding	45	24	52	20	35	-5	.7	.5	.6	4.6	184	90	51	0	7	2	1
Salt Lake City	26	7	32	-4	17	-12	.5	.2	.5	3.3	118	80	68	0	7	2	1
VT. Burlington	13	5	26	0	9	-7	.1	.3	.1	2.2	55	65	57	0	7	4	0
VA. Lynchburg	33	20	51	8	27	-10	.4	.2	.2	5.7	95	65	61	0	7	2	0
Norfolk	34	23	44	17	28	-12	.3	.5	.3	5.5	82	67	46	0	7	1	0
Richmond	37	20	53	11	29	-9	.2	.5	.2	7.8	128	70	41	0	7	1	0
Roanoke	33	19	50	9	27	-10	.5	.2	.3	5.2	88	70	45	0	6	2	0
WASH. Colville	23	6	40	-15	14	-12	.8	.4	.4	4.4	102	--	--	0	0	4	0
Omak	20	4	35	-12	12	-9	.6	.3	.4	3.3	97	23	85	0	1	4	0
Quillayute	43	29	52	10	36	-3	4.0	.8	1.8	35.9	117	93	79	0	4	4	3
Seattle-Tacoma	42	29	54	15	36	-3	1.6	.4	.8	14.3	122	60	53	0	3	4	1
Spokane	26	12	39	-4	19	-7	.6	.1	.3	4.0	78	60	52	0	6	2	0
Walla Walla	30	13	54	4	22	-12	.2	.2	.2	2.9	71	81	68	0	7	3	0
Yakima	24	7	34	-12	15	-13	.3	.0	.1	3.4	131	75	60	0	7	3	0
W.VA. Beckley	21	8	35	-1	14	-18	.6	.2	.5	4.8	68	87	61	0	7	3	0
Charleston	27	12	32	0	19	-16	.5	.3	.2	5.6	81	78	48	0	7	3	0
Huntington	26	11	33	0	19	-16	.5	.2	.4	5.2	84	71	46	0	7	3	0
Parkersburg	26	12	38	2	19	-14	T	.7	T	3.3	56	88	60	0	7	0	0
WISC. Green Bay	17	-2	22	-6	8	-7	T	.2	T	3.3	143	86	54	0	7	0	0
La Crosse	17	-6	23	-11	5	-11	.1	.1	.1	1.9	100	85	47	0	7	1	0
Madison	15	-6	20	-9	5	-12	T	.3	T	2.8	97	73	44	0	7	1	0
Milwaukee	18	4	22	-2	11	-9	.2	.1	.1	4.1	117	77	53	0	7	2	0
WYO. Casper	21	2	41	-32	12	-12	.1	0	.1	1.3	144	81	56	0	7	1	0
Cheyenne	26	7	47	-13	17	-10	.2	.5	.1	4.4	489	61	40	0	7	2	0
Lander	20	-7	48	-27	7	-13	1.0	.9	0	3.2	356	91	50	0	7	0	0
Sheridan	24	-4	46	-25	10	-11	T	.2	T	.8	73	83	50	0	7	0	0
P.R. San Juan	85	70	88	67	78	3	.1	.6	--	5.5	66	93	57	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: Season low temperatures, 11° subnormal. Precipitation statewide 30th, totals 0.50 to 1.34 in. Some snow, ice northern area.

Fieldwork: 1.6 days suitable. Soil moisture surplus. Little fieldwork drier areas southeast. Pasture graze short; fair condition. Wheat good condition. Livestock fair to good.

ARIZONA: Strong winter storm persisted until midweek. High pressure, unseasonably warm end of week. Precipitation quite heavy White Mountains, central areas. Amounts over 3.00 in., 2.00 in. common. Snowfall heavy; warm temperatures end of week with rapid melting. Some minor flooding as water released from dams due to rapid runoff. Temperatures averaged 4 to 9° above normal.

Fieldwork slowed by wet fields. Seeding small grains near completion. Early fields jointing. Preparation for cotton active. Herbicides applied. First cutting alfalfa started Yuma area. Some rain damage. Crop making good growth. Safflower planting on limited scale. Sugarbeets making good progress. Harvest winter vegetables active in Yuma. Crops for later harvest making good progress. Preparations for cantaloups, watermelons. Potato planting underway. Citrus harvest steady. Lemon harvest beginning to wind down. Valencia oranges making satisfactory progress. Citrus groves good condition. Supplies of gasoline, diesel generally adequate. Northern range areas soil moisture generally good. Range conditions fair. High elevation ranges covered with snow. Cattle fair to good. Southeast needed more rain.

ARKANSAS: Cold first and last of week, but very cold midweek. Highest normal 47°, lowest 38°. Highest mean 33°, lowest 22°. Highest temperature 52°, lowest 4°. Most rainfall 0.96 in., least trace.

No fieldwork. Small grains and cool season grasses made little growth due to cold, cloudy weather. Cattle condition good, with most cattle on supplemental feed.

CALIFORNIA: Series of warm storms pushed average temperatures well above normal throughout much of south and dropped large amounts of rain. Weekly totals 3.00 in. for some of largest and ranged downward to 1.00 in. North average temperatures 5° below normal. Precipitation sparse, mostly a dusting of snow at moderate and higher elevations. Desert areas generally warm and moist with mostly light amounts of rain.

Fieldwork limited third week by wet fields. Small grains generally good growth, some chlorosis, dry weather helping. Aerial applications of weed control on small grains and preplant. Preplant fieldwork falling behind. Sheep grazing alfalfa southern parts. Insect controls on early growth alfalfa due to mild winter. Pruning, dormant spraying continued. Spraying for pear psylla. Almond, desert peach bloom beginning. Harvest of avocados, dates, desert grapefruit, lemons, Navel oranges, tangelos, tangerines continued. Weak skin in some Navels and tangerines, eating quality excellent. Artichoke harvest still light. Asparagus supplies increasing desert, limited harvest south coast. Broccoli, cauliflower supplies still light but increasing central coast, harvest active south coast and desert. Carrot digging slowed by rain. Celery harvest hampered by rain south coast.

Lettuce harvest interrupted by rain Imperial Valley. Digging winter potatoes slow Kern, Riverside Counties. Fall potato movement from storage active north. Strawberry harvest very slow. Tomato planting delayed by rain. Ranges excellent condition. Cold weather holding back grass growth. Supplemental feeding being reduced as range grass quality improves. Livestock good condition. Farm fuel supplies generally sufficient.

COLORADO: Major storm just moved out of State 28th leaving only light snow falling in northern and central mountains and in northeast. Late 28th a new disturbance left large amounts of snow at mountain locations, smaller amounts elsewhere. Very little precipitation fell from 30th through 3d. Temperatures averaged 15 to 20° below normal east, 7 to 10° above normal in San Luis Valley, and 2 to 8° above normal over Colorado River Basin.

FLORIDA: Generally mild, sunny, dry weather through midweek, followed with cooling in north 31st. Cold front moved across Panhandle and south through Florida Straits by that night. Rains averaging 1.00 in. or less scattered along frontal system. Below freezing temperatures Panhandle and Big Bend areas morning of 1st as cold arctic air began invading the State; brisk northerly winds held temperatures to 40's north; mostly 50's to low 60's elsewhere. Coldest air of winter season occurred morning of 2d. Many areas established new record lows for early February. Freezing line dipped deep into central Florida, however, little frost was reported due to winds. Upper air disturbance brought some cloudiness and not as cold temperatures morning of 3d. Light rains averaging about 0.10 in. fell on 3d around lower east coast areas. Winds dropped and cold air and frost penetrated deep into State again night of 3d.

Soil moisture adequate statewide. Sugarcane harvest active, cane in good condition. Cold and frost on morning of 4th may have caused some minor damage. Small grains good condition. Fieldwork increasing. Corn planting expected to begin by mid-February. Fuel supplies, gasoline and diesel, getting tight in central and south, mostly adequate north and west. Pastures improved; seasonally poor to fair condition north, better in central and south. Winter pastures providing good grazing. Feeding continued many areas. Cattle fair to good. Citrus groves very good condition. Insignificant damage to fruit from freezing temperatures of short duration. Very little firing. Orange harvest for processing very active. First of week vegetable growing areas wet, warm with some locations receiving up to 5.00 in. of rain. Cold front moved through areas last of week, temperatures dropped to near freezing some colder locations. Light frost caused minor burn to tender foliage. Winds light early week, becoming strong last of week. Daytime highs in 60's, 70's, skies generally clear, sunny. Crop condition fair to mostly good. Growth, harvest progress slowed due to adverse weather. Overall shipments down 5% from previous week. Potatoes increased considerably while shipments snap beans, cabbage, chinese cabbage, sweet corn, escarole, lettuce, parsley, peppers, strawberries increased. Holding steady volume are carrots, celery, eggplant, radishes, cauliflower, cucumber, okra, squash. Tomato supplies decreased. Strawberry crops making good progress; cold front will

slow maturity. Watermelon seeding slowing southwest area. Early plantings fair to good condition. Potato crop progressing well, heavy rains slowed potato harvest early week southeast area.

GEORGIA: Temperatures averaged 1 to 5° below normal. Averages ranged from low 30's mountains to low 50's southeast. Rainfall little more than 1.00 in. with locally heavier amounts exceeding 3.00 in. southwest.

Soil moisture adequate to mostly surplus. Wet conditions limiting fieldwork; some activity in south. Small grains fair to mostly good. Pastures fair to mostly good. Cattle good. Tobacco plants fair to mostly good. Isolated reports of fuel shortage southwest.

HAWAII: Weather cool. Showers light but more sunny periods improved crop development. Isolated moderate rains 29th Waianae area, Island of Oahu, slowed farm activities. Soggy fields in this area. Spraying frequent insect, disease control.

Vegetable supplies light. Yield, quality poor. Banana supplies low. Adequate moisture inducing new growth in storm damaged orchards. Papaya low volume expected throughout February. Orchards fair progress. Pineapple harvesting down. Sugar harvesting low; some mills still not operating. Pastures generally fair to good. Fuel supplies: Deliveries more erratic; storage low at some dealers due drivers' strike.

IDAHO: Temperatures 15 to 18° below normal, averaging in low teens. Lowest temperature -44°. Precipitation 0.10 to 0.60 in. below normal except Pocatello at 0.31 in., 0.05 in. above normal.

Low temperatures, wind and some snow limiting farm activities. Very little snowcover on winter wheat. Severe temperatures may cause bud kill on peaches and grapes. Calving and lambing continued, cold snap causing losses. Feed supplies adequate at present; hay becoming tight in some areas.

ILLINOIS: Temperatures 10 to 17° below normal. Precipitation 0.10 to 0.35 in. Snow accumulation 1 to 4 in.

Soil moisture adequate. Winter wheat, other fall seeded grains mostly good condition, limited snowcover. Stored grain good condition, some grain movement problems. Livestock good to excellent condition; minimal disease problems and losses; increase supplemental feeding with colder temperatures. Main activities: Caring for livestock, spreading manure, machinery maintenance, general farm chores.

INDIANA: Cold temperatures averaged 15° below normal and ranged from -4 to 33°. Precipitation from trace northeast to 0.40 in. southwest. Snowcover 1 to 4 in. Soils frozen 3 to 8 in. Sunshine 62% of possible.

Spreading fertilizer, sowing grass and clover seed, hauling manure, cutting wood, equipment maintenance, caring for livestock and usual chores. Open winter limited hay sales.

IOWA: Cold, dry. Temperatures averaged about 12° subnormal and precipitation averaged 0.10 to 0.20 in. Depth of snow 1 or 2 in. Coldest mornings January 31st and February 1st with readings dropping to -18°.

KANSAS: Precipitation averaged 0.10 in. or less with local amounts over 0.25 in. west and northeast. Temperatures averaged 16° north central to 23° southeast; generally 10 to 15° below normal. Snowcover insulated wheat from sub-zero temperatures. Heavy supplemental feeding of livestock.

Calving and lambing underway. Fuel situation unchanged.

KENTUCKY: Major winter snow 30th and 31st with 3 to 7 in. snow northeastern two-thirds, while over southwestern third mixture of sleet, freezing rain, snow. Snowfall over southwestern third averaged 1 to 3 in. Liquid content of precipitation averaged from 0.40 to 0.80 in. Temperatures coldest of winter season. Temperatures averaged 10 to 20° below normals.

Supplemental feed needs increased due to cold weather and snowcover. Burley sales final February 5th except for limited closeout sales. Livestock generally in good condition.

LOUISIANA: Temperatures 10° below normal. Extremes: 17 and 77°. Widespread rain early week. Light snow southwest late week.

Activities: Routine chores and caring for livestock.

MARYLAND & DELAWARE: Temperatures averaged 6° below normal. Highs averaged in mid-30's. Lows averaged in mid-20's. Precipitation light averaging from a trace to 0.01 in. Weekend partly cloudy, windy, cold.

MICHIGAN: Temperatures ranged from 4 to 13° below normal. Maximum temperatures mainly in low to mid-20's. Minimum temperatures generally near or below zero reaching -15° in extreme northern Lower and -24° in southwestern Upper. Precipitation varied from near 0.38 in. northwestern Upper and Lower to a trace in eastern Lower. Snow depths varied from less than 1 in. to near 4 to 8 in. over western and northern Lower and 20 to 32 in. in part of Keweenaw Peninsula.

Main activities feeding livestock, farm chores.

MINNESOTA: Temperatures averaged 6 to 12° below normal. Extremes: 24° at Redwood Falls and North Mankato and -32° at International Falls. Precipitation averaged from 0.06 in. below normal southwest to 0.21 in. below normal northeast. Precipitation totals less than 0.13 in. statewide. Snowfall from a trace north and central to 2 in. south. Snow depth 2 to 6 in. except 7 to 14 in. north central and northeast.

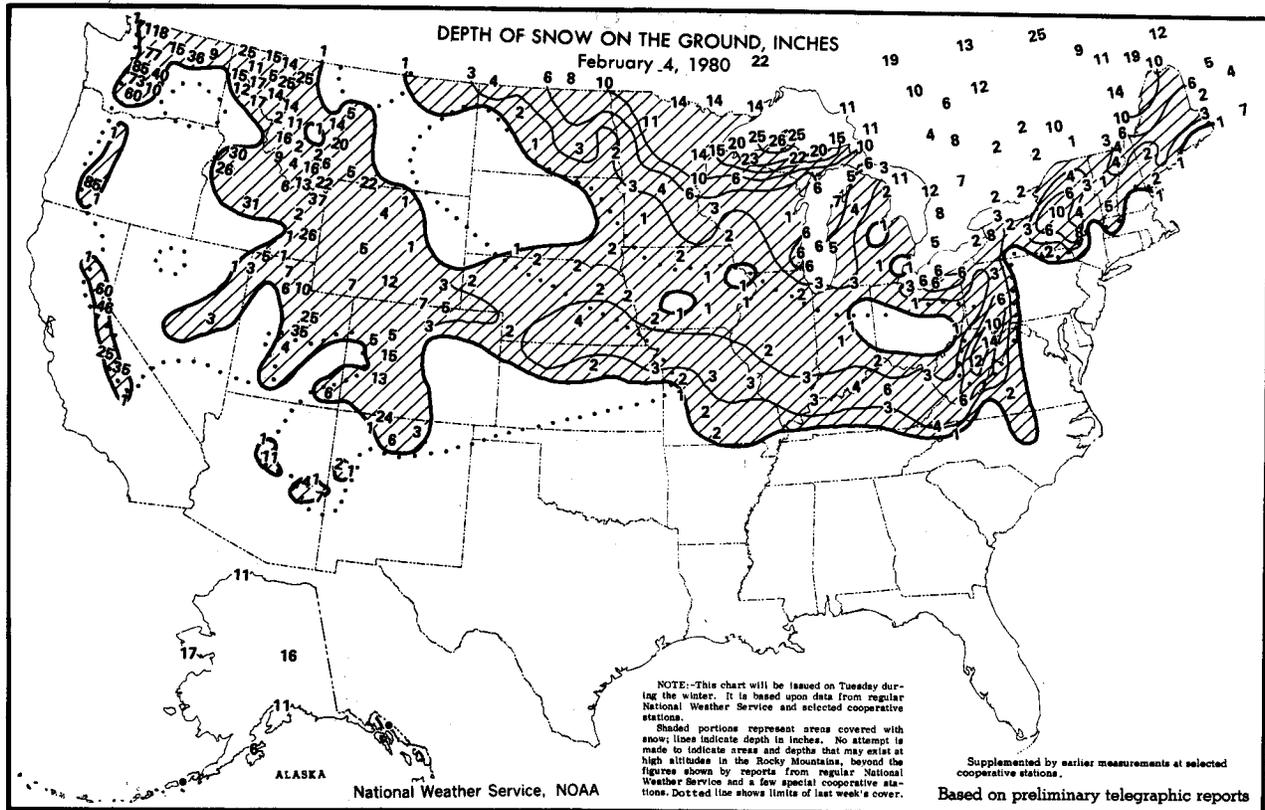
MISSISSIPPI: Temperatures 10° below normal except 5° below normal coastal areas. Snow and ice flurries. Extremes: 11 and 73°.

Soil moisture mostly surplus with some excessive reported south. Fieldwork: 1.3 days suitable. Hard freeze and extremely cold temperatures required cattlemen to continue to supplement winter grazing. Northern areas suffered some damage from ice mid-week. Winter wheat, pastures, livestock condition fair to good. Hay and roughage supplies adequate. Feed grain supplies adequate to short. Gasoline and diesel supplies adequate with scattered tight. LP gas supplies adequate.

MISSOURI: Temperatures dropped, averaging 16° below normal. Liquid precipitation averaged 0.25 to 0.33 in., with 2 to 5 in. snow.

Winter wheat fair to good. Topsoil moisture short to adequate. Hay and other roughage supplies adequate to surplus. Cattle and hog losses due to unfavorable weather normal. Livestock mostly in good condition. Fuel supplies for farmwork mostly adequate.

MONTANA: Very cold, dry. Temperatures over west and southwest 20° below normal. Through central sections temperatures 10 to 15° below normal. Eastern sections 10° below normal. Temperatures



moderated end of week. Little, if any, precipitation.

Cattle and sheep in good condition. Most on supplemental feed with hay and stockwater supplies adequate. Winter wheat mostly fair condition. Not possible to accurately evaluate winter wheat until spring growth starts.

NEBRASKA: Arctic air prevailed 28th through 1st giving temperatures 10 to 20° below normal. Temperatures moderated by weekend. Average snow of 3 in. fell 30th.

Winter wheat condition fair to good. Range and pasture feed supplies average or better. Supplies of feed grains, hay, forage average or better. Corn and sorghum acreage 40% being pastured. Generally mild and open winter favorable for livestock.

NEVADA: Normal weather early week, cold and inclement remainder. Rain or snow fell all areas. Temperatures averaged 3 to 12° below normal north near normal central, as much as 6° above normal south. Extremes: 21 and 66°.

Livestock care major winter ranch activity.

NEW ENGLAND: Persistent northerly flow of cold, dry air. Precipitation confined to flurries in northern mountains and in vicinity of Lake Champlain. Temperatures near normal early week but dropped to below normal by end of week.

NEW JERSEY: Temperatures 8 to 10° below normal, averaging 20° north, 25° south, 25° coastal. Extremes: 0° Newton 2d and 42° Midland Park 27th. No significant precipitation.

Farmers caring for livestock and tending to other winter chores.

NEW MEXICO: Widespread rain and snow 29th and 30th with a few totals 0.67 in. or more. Mostly dry through last half of week. Very cold eastern plains most of week but strong warming weekend.

Land preparation, field clean-up in southern areas. Planting spring lettuce and mid-season onions in Mesilla Valley. Irrigated winter wheat and barley in fair to good condition, 65% grazed. Dryland winter wheat poor to fair. Ranges poor to fair. Supplemental feeding. Livestock fair to good. Calving continued.

NEW YORK: No major weather systems moved through area. Snow in snowbelt area, but generally less than 0.25 in. liquid precipitation. Precipitation continued well below normal. Average temperatures ranged from 2 to 9° in north and teens in central and western areas to 20's southeast. These readings 10° below normal.

NORTH CAROLINA: Temperatures 7 to 11° below normal. Precipitation light to moderate.

Fieldwork: 2.1 days suitable. Soil moisture adequate to surplus. Conditions of wheat, oats, barley, rye fair to mostly good; pastures fair to good. Some cold damage to small grains and spring cabbage transplantings. Supplies of hay, roughage, feed grains mostly adequate. Major activities: tending livestock, repairing farm machinery, general farm maintenance.

NORTH DAKOTA: Cold and dry. Temperatures averaged 6 to 12° below normal east and 3 to 8° below normal west. Extremes: -29° north central and 40° southwest. Maximum precipitation 0.11 in. southwest.

Cold but little additional snow. Snowcover from zero in much of south to 6 to 8 in. north. Concern over possible damage to winter wheat, rye, alfalfa.

Overheating and mold damage in some stored sunflower seed. Marketing of crops generally slow. Supplies being secured for coming crop year; still much planting indecision. Livestock in generally excellent shape. Still some grazing but virtually all receiving supplemental feed; feed supplies adequate.

OHIO: Average temperatures 14° below normal. Extremes: 33 and -5° . Snowcover 1 in. northwest and central, 2 to 4 in. south, 3 to 6 in. northeast. Average precipitation less than 0.10 in.; 0.50 in. below normal.

OKLAHOMA: Temperatures averaged 20° below in Panhandle and from 11 to 13° below normal elsewhere. Coldest temperatures occurred latter part of week. Precipitation below normal; highest average 0.32 in. in southeast, elsewhere less than 0.10 in. except 0.17 in. northeast.

Temperatures warmer than normal until cold spell set in. Wheat crop rated fair condition with 25% grazed same as last year and average. Mild January weather enabled late planted wheat to reach stand although top growth limited by insufficient precipitation. Several fields southwest poor stands--questionable whether harvested grain or only pastured. Fieldwork: 4 days suitable.

OREGON: Very cold; temperatures averaged 5 to 10° below normal along coast; 7 to 15° below normal in western valleys; east of Cascades generally 20 to 25° below normal; however, in the Klamath Falls/Lakeview area readings only about 5° below normal. Precipitation amounted to some scattered light amounts. Weekend brought somewhat heavier rains in west.

Soil moisture surplus west; adequate east. Winter wheat condition mostly good. Some fertilizing being done as weather permits. Livestock condition fair to good. Range and pasture condition poor in many areas. Feed supply adequate, but hay supply short and expensive.

PENNSYLVANIA: Cold, windy, dry. Abundant sunshine but temperatures averaged 5 to 15° below normal for coldest week since mid-February 1979. Extremes: 38 and -3° . Precipitation 0.10 in. or less. Some snow flurries mostly mountains and western areas. Driest week in nearly 4 years.

Normal winter chores.

PUERTO RICO: Island average rainfall 0.08 in. or 0.62 in. below normal. Temperatures averaged about 73 to 77° on coasts and 71° interior. Extremes: 91 and 49° .

SOUTH CAROLINA: Average temperatures fell, unusually cold weather last 2 days; midweek freezing rain, sleet or snow in north generally changed to rain.

Cold and wet conditions limited outside activities. Seeding tobacco beds, harvesting winter vegetables, pruning fruit trees, caring for livestock. Wheat condition good.

SOUTH DAKOTA: Temperatures very cold early week then moderated to near normal. Average temperatures 1 to 15° subnormal. Extremes: 50 and -31° . Light precipitation.

TENNESSEE: Cold. Freezing rain late week. Total precipitation 0.75 in. statewide. Temperatures in 20's; average 16° below normal east, 8 to 10° below normal west.

Soil moisture surplus. Pastures and small grains fair. Cattle good condition on supplemental feed. Dark-fired tobacco stripping nearing completion. Plant bed preparation delayed by wet soils.

TEXAS: Lower Rio Grande Valley, portions of South Texas, Gulf Coast, escaped freezing temperatures as a winter storm moved across Texas. Cold temperatures lingered throughout week. Precipitation heaviest along Gulf Coast. Panhandle covered with ice, small amounts of snow but actual moisture accumulation relatively low. Milder temperatures returned at weekend except East Texas where temperatures still below normal.

Most field activity centered Rio Grande Valley, South Texas. Small grains dormant due to subfreezing temperatures throughout Plains, Edwards Plateau, Cross-Timbers. Cold temperatures apparently did not cause any significant damage to wheat, oats. Blackland greenbug populations decreased with colder temperatures.

Supplemental feeding livestock increased as State blanketed with cold temperatures, snow, ice. Although storm lengthy and damp, the moisture benefits very limited; additional moisture needed. Hay supplies generally adequate. Livestock in generally good condition.

Lower Rio Grande Valley movement carrots, cabbage, cauliflower, lettuce slowed as cold, damp weather delayed harvest. Irrigation of spring planting continued. Some melons emerging while planting continued. With mild winter, onion plants making excellent growth. Harvest of grapefruit and early oranges beginning to taper off, however, ample supplies still available. Harvest of Valencia oranges getting underway. San Antonio--Winter Garden harvest of cabbage, carrots continued to move in lower volume. Laredo harvest of broccoli, carrots, cabbage, spinach in full swing. Onions making good progress. East Texas land preparation at standstill. High Plains winter weather prevented continuation of land preparation.

UTAH: Recurring precipitation forepart of period. Few isolated showers latter part. Amounts of moisture generally moderate to heavy. Cooling trend middle of period. Sub-zero minimums reported many locations. Rising trend latter portion of period. Average temperatures ranged from 16° below normal to 10° above normal.

Stockmen hauling feed to livestock in hard to get places because of excessive snow and extremely low temperatures. Marketing, sorting and grading apples, potatoes and onions continued. Preparation of equipment for planting season continued.

VIRGINIA: Temperatures averaged well below normal, mild at beginning then much colder. Extremes: 54 and 2° . Precipitation averaged 0.25 to 0.50 in. occurring as mostly snow on 31st. Snow depths averaged 1 to 3 in. except somewhat greater amounts in mountains, southside.

Lime, fertilizer spread on hay, pastures, small grains in central, southeast areas before midweek snow halted fieldwork. Topsoil moisture adequate to surplus. Fieldwork: 1.5 days available. Winter grains good to excellent. Farm fuel supplies adequate. Activities: Pruning fruit trees; care and feeding of livestock; snow removal; calving, lambing, care of newborn; preparing and marketing fire-cured tobacco with last sales to be held February 7.

WASHINGTON: West: Temperatures averaged 9 to 13° below normal. Precipitation averaged 0.40 to 1.90 in. below normal.

Calving and lambing continued. Caneberry pruning and tying well along. Forced rhubarb harvest on-going. Maintenance and repair activities continued.

(continued on backcover)

International Weather and Crop Summary

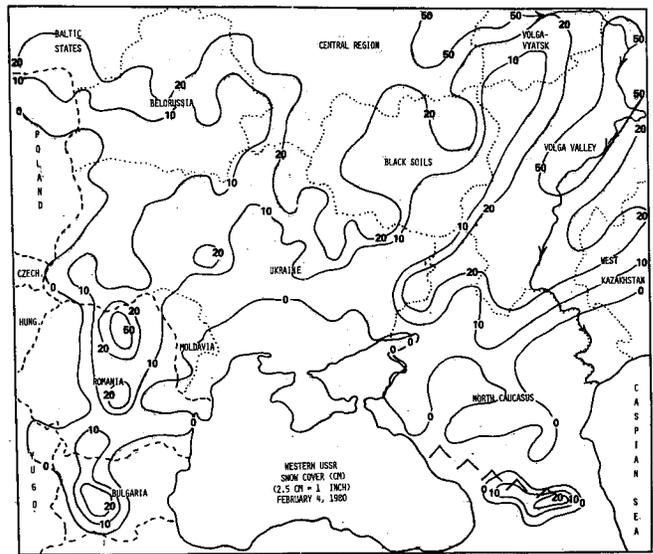
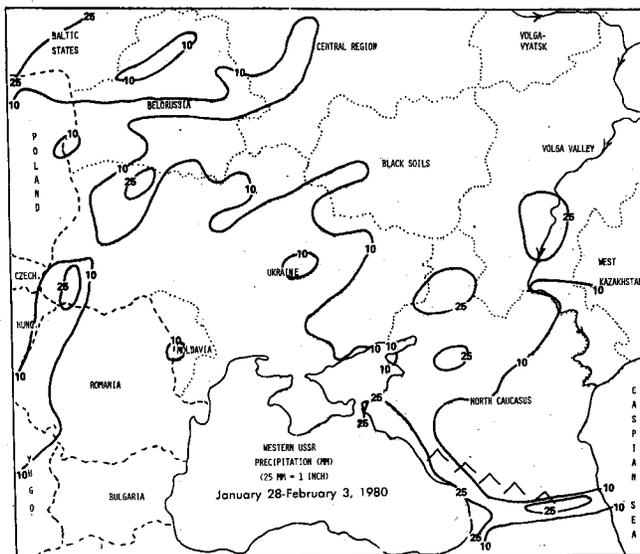
January 28 - February 3

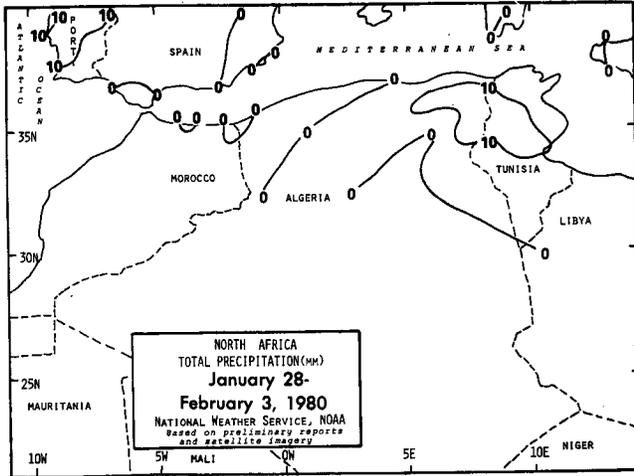
HIGHLIGHTS:

- USSR. Winter grains dormant...rainfall melted much snow.
- EUROPE. Winter grains dormant everywhere but the south...good moisture, except Spain.
- CHINA. Winter grains dormant every but the south...too dry north, good moisture south.
- INDIA. Wheat nearly heading in the north*...conditions too dry.
- AFRICA. Northwestern: winter grains jointing*...adequate moisture in most areas.
South: early maize nearly mature*...dry in some western areas.
- ARGENTINA. Maize in milk stage...conditions too dry.
Early soybeans flowering...conditions too dry.
- BRAZIL. Soybeans flowering in Rio Grande do Sul...light rain improved conditions.
- MEXICO. Major vegetable harvesting...good weather.

*Based on normal crop calendar information.

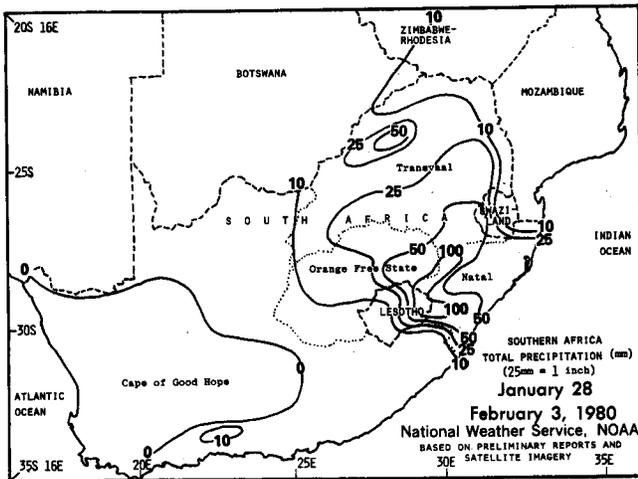
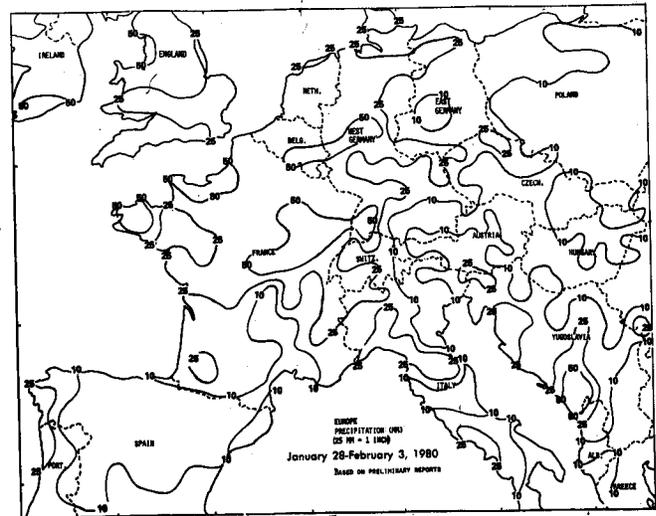
USSR. Rain, coming late in the week, reduced snow depths over much of the winter grain belt. An extensive portion of the southern Ukraine and North Caucasus now has no snowcover, as is the case along the western border with Poland. Most of the Ukraine and North Caucasus are covered by less than 10 cm of snow, but the most cold-prone wheat areas (northeastern Ukraine and lower Volga Valley) still have more than 25 cm of snow, with the exception of a limited area in the northeastern Ukraine. Coldest temperatures during the week occurred before the snow melted, and temperatures have remained moderate since the melt.



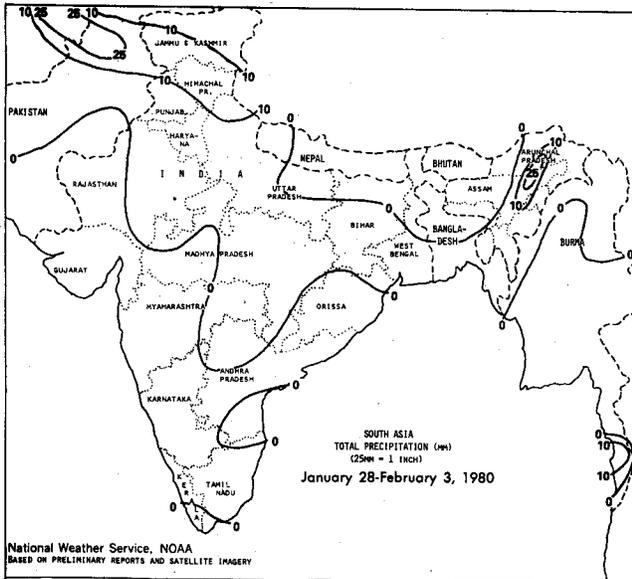


NORTHWESTERN AFRICA. Virtually no precipitation fell on winter grains in Morocco and western Algeria for the second consecutive week. Soil moisture for the grains should remain adequate as they begin heading. Continued light precipitation in Tunisia and extreme eastern Algeria maintained reasonable growing conditions.

EUROPE. A second consecutive week of abundant precipitation over much of Europe, kept winter grains in good condition in most areas. Decreasing snow depths were accompanied by more moderate temperatures but extensive areas in the east have now become susceptible should cold weather invade. Dry conditions caused problems for winter grains only in Spain. Precipitation there remained light, and with grains in the jointing stage, growth will probably be limited by the moisture shortage.

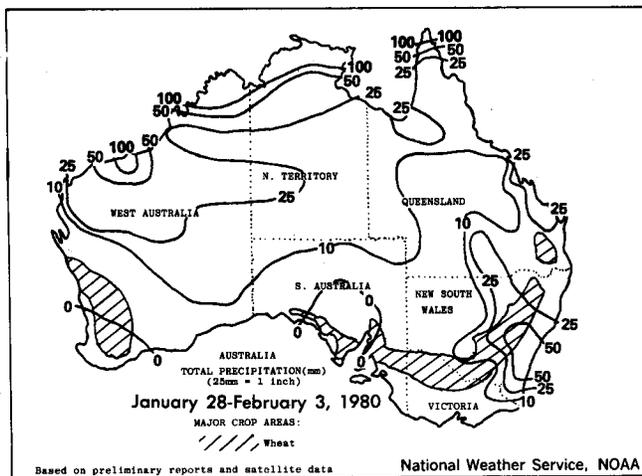
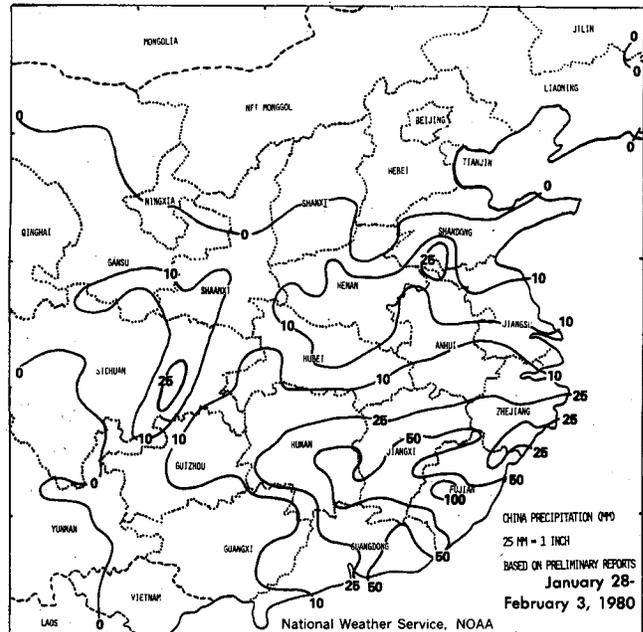


SOUTH AFRICA. Above-normal rains continued in the eastern third of the Maize Triangle, and extended far enough westward to alleviate some moderate dryness in central portions. Light, below-normal rains in the west and southwest probably maintained adequate moisture for growth in the southwest, but allowed dryness in western areas to inhibit maize development somewhat; some of the maize may now be sensitive to stress from dryness.

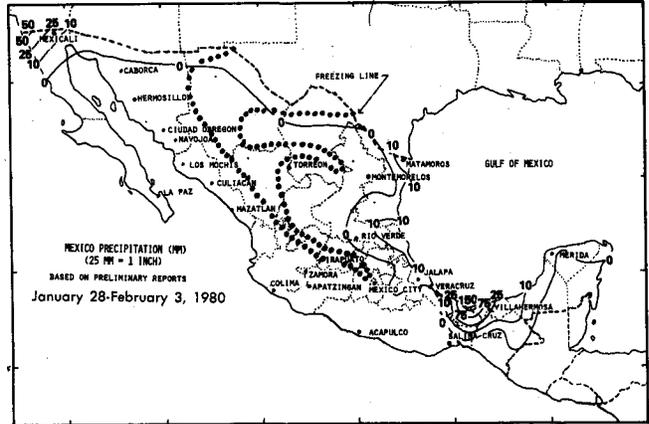
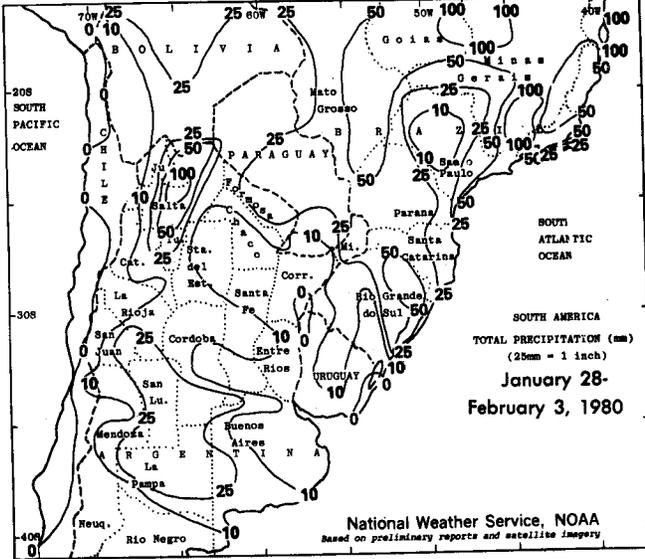


INDIA. Winter grain areas in the north received only light moisture, as substantial precipitation was again restricted to mountainous areas. This fourth consecutive week of relatively dry weather has probably limited wheat development, unless irrigation waters from the mountains have been used to keep fields moist. Temperatures this winter have stayed warm enough for wheat growth to continue.

CHINA. Above-normal precipitation again pushed northward, reaching as far as Henan and Shandong, while precipitation south of the Yangtze River increased further dropping unusually heavy totals. Cold weather kept winter wheat in a dormant stage everywhere but the extreme southern areas. Moisture conditions now appear generally favorable in the southern third of the winter wheat belt, but the northern third has not yet made up water deficits which developed last autumn. Some crop loss, due to dry conditions, has been reported in the Beijing area.

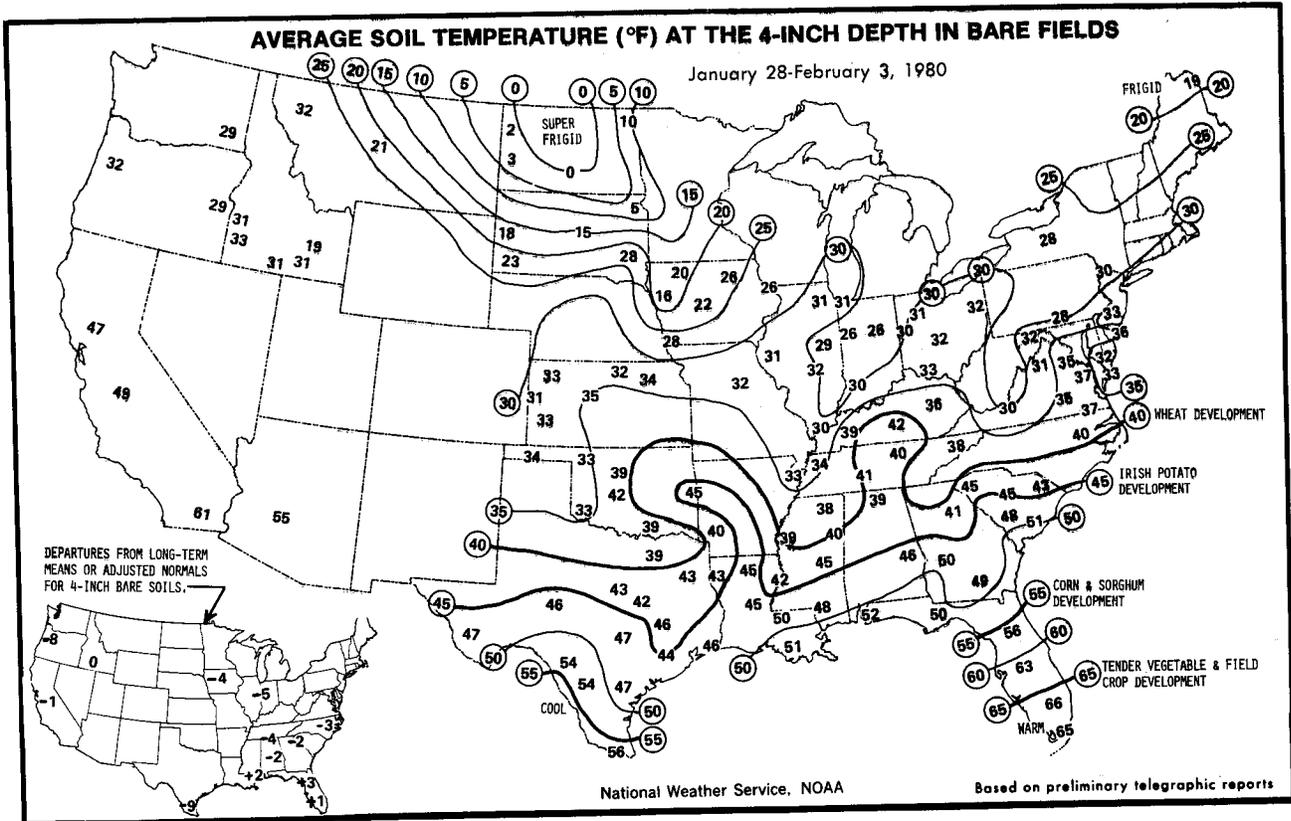


AUSTRALIA. Rainfall in New South Wales helped summer crops which had been enduring dry weather. Cyclone Dean spread relatively heavy rains across much of northern West Australia, but otherwise, normal rainfall did not extend very far inland from the northern coast.



SOUTH AMERICA. Northern and southern fringes of Argentina's maize/soybean belt got some relief from dry conditions, but rainfall over most of the belt gave only light totals. This increased wetness may lead to more rain from the next weather system. Early-planted soybeans are beginning to flower and will be seriously affected if conditions do not improve. Likewise, late soybeans may go unplanted; further delay would subject them to frost danger in the fall. Filling of maize kernels is also being inhibited by the dry weather. Some rain fell in western soybean areas of Rio Grande do Sul in Brazil as flowering began. More moisture may be on the way, so negative impacts may be minimal. All other soybean areas in southern Brazil appear to have good soil moisture.

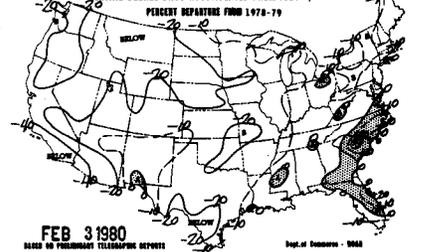
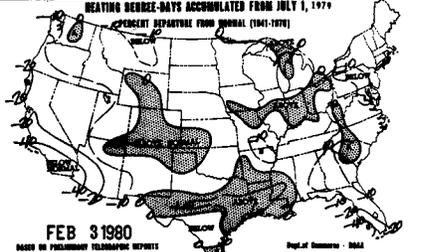
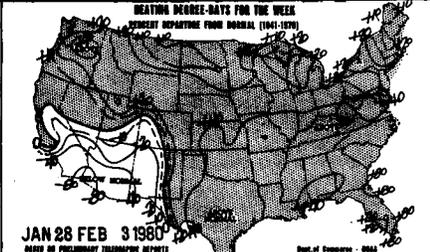
MEXICO. Dry, sunny weather returned to the vegetable, fruit, and corn producing areas of the southwest coast and the central plateau, which received heavy rains last week. Significant rains fell this week in the Mexicali cotton and Matamoros grain sorghum region, where planting will start in a few weeks. Locally heavy showers fell along the southern coast of the Gulf of Mexico. West coast vegetable areas were dry and slightly warmer than the norm. Culiacan's overnight minima averaged 17°C with a relative humidity of 84 percent, while afternoon maxima averaged 29°C with a 35-percent humidity.

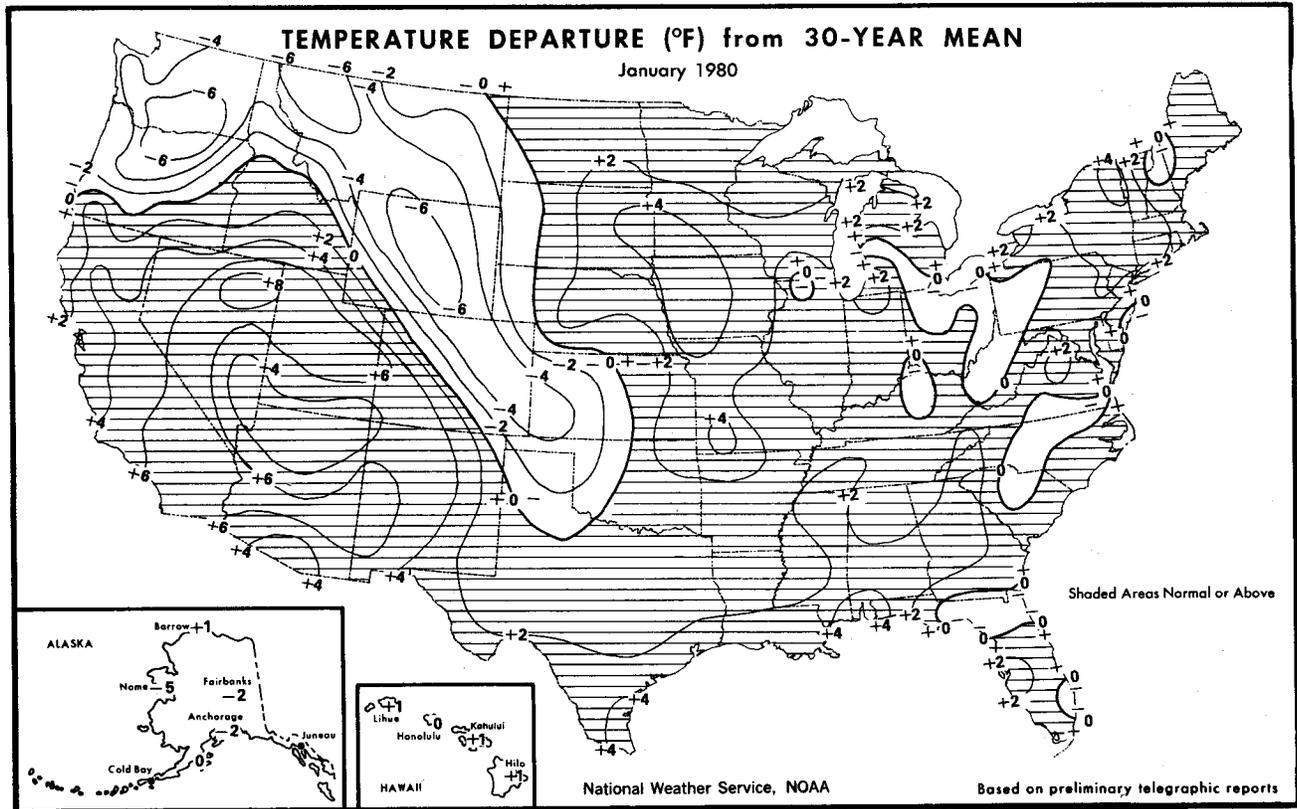


HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING FEB. 3, 1980.

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 with their corresponding heating degree day values.





January Weather Summary

HIGHLIGHTS: Precipitation for January rose above normal for much of the Nation. The area from north central Montana through South Dakota and north-eastern Nebraska measured well below normal, as did the area from northern Arkansas to southeastern Michigan. The latter area had nearly adequate precipitation, although less than normal.

Temperatures averaged well below normal through the Pacific Northwest and the eastern slopes of the upper half of the Rockies. California and the southern Plateau area showed warmer than normal.

January began rather warm in many parts of the Nation. During the first week, ending January 6, average temperatures ranged 6 to 9 degrees warmer than normal in the northern Plains and northern Mississippi Valley. Most of the western Plateau and West Texas/eastern New Mexico area scored about 6 degrees warmer than normal. Freezing temperatures dipped into northern Florida.

Seasonal precipitation fell in the Pacific Northwest; some of the weather systems moved straight east, dropping light to moderate snow through the northern tier of States. Elsewhere, a storm system from the Gulf of Mexico spread rain or snow northward through the central Appalachians and mid-Atlantic States and through the Southeast. The central Plains and Southwest had little or no precipitation.

During the week of January 7-13, precipitation was moderate to heavy west of the Rockies and east of the Mississippi River. In the West, more than 2 inches fell over most of western Washington and Oregon and all but southeastern California. Moderate to heavy snow or rain fell from the Plateau to the western slopes of the Rockies. Most of the Plains had little or no precipitation.

Again, a storm moving out of the Gulf of Mexico spread rain in the South and snow through the mid-

Atlantic States. Another storm moving across the Great Lakes dropped snow in New England.

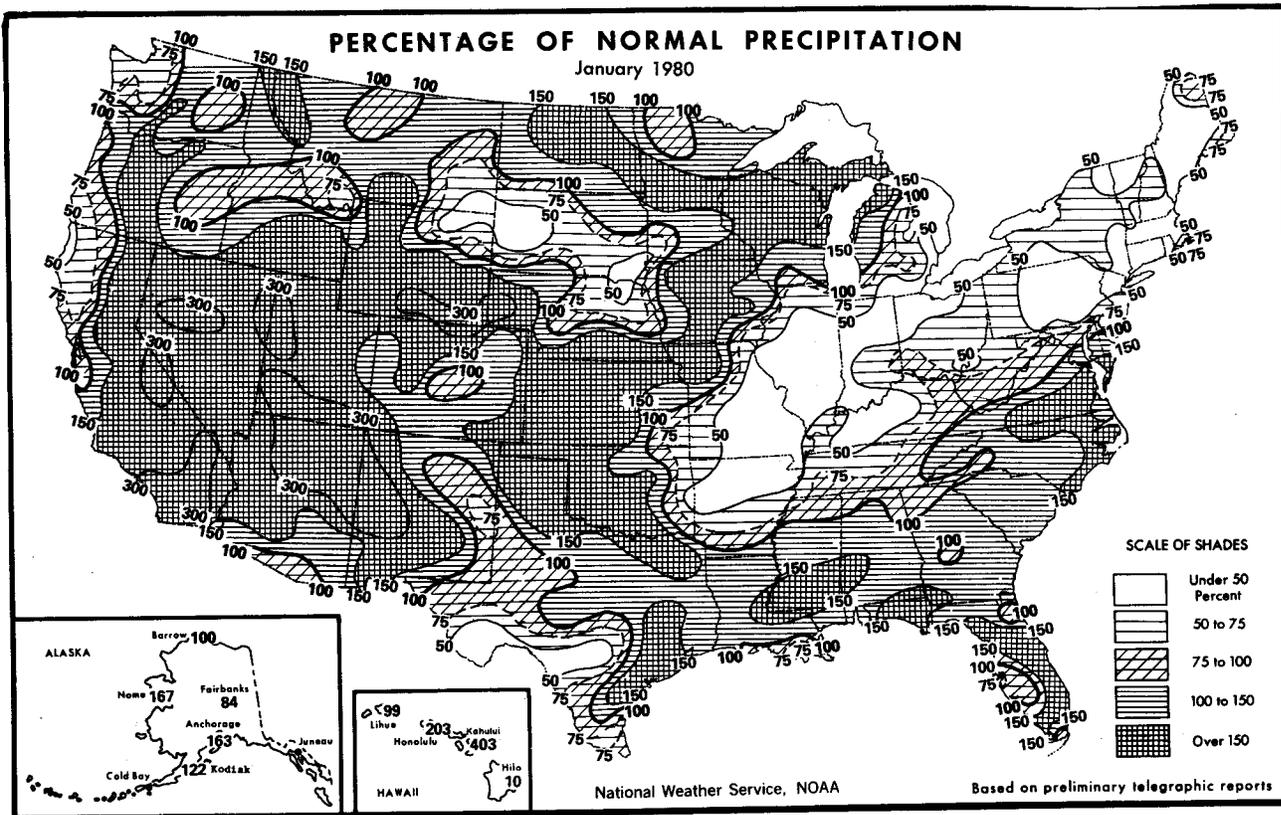
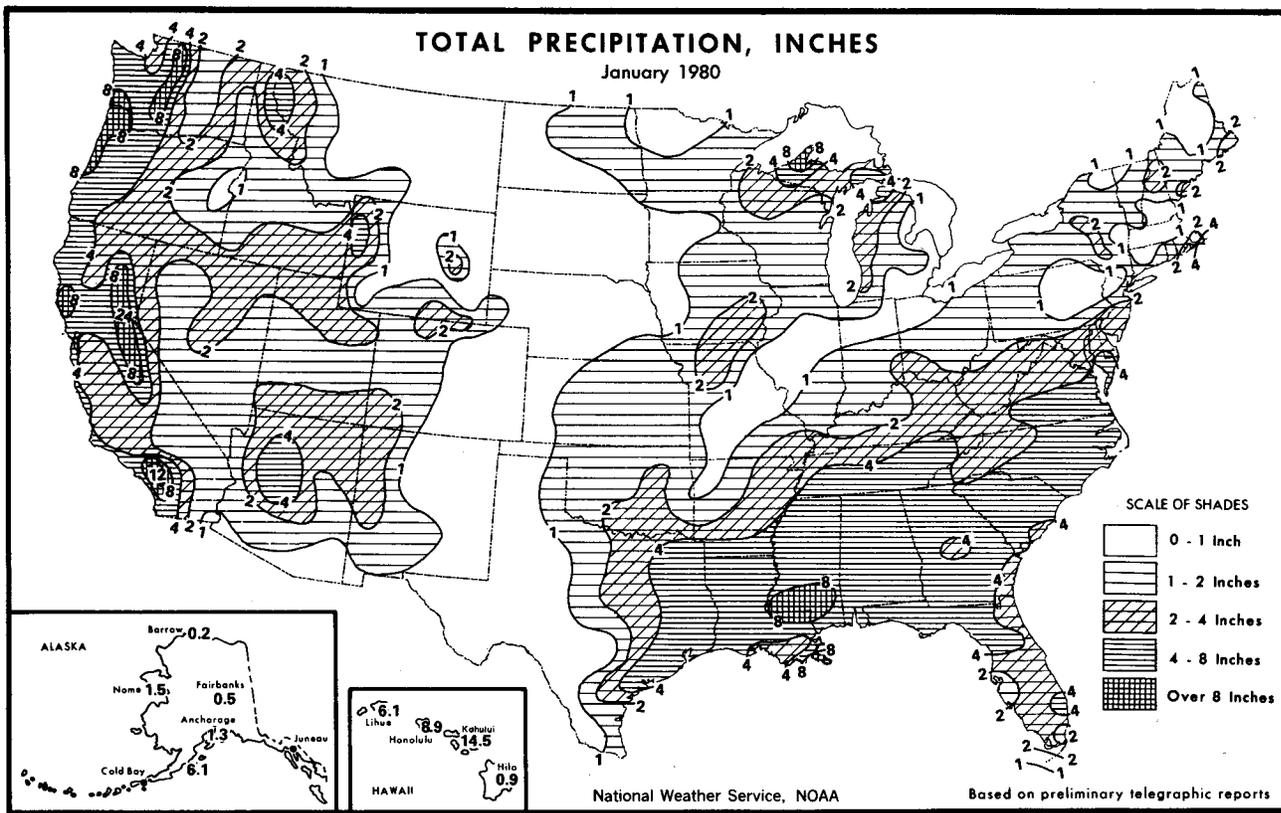
Cold air edged into the northern Plains. Average temperatures for the week in Montana ranged 12 to 15 degrees colder than normal. Most of the Plateau, Southwest, and South were warmer than normal. The central Plateau averaged 12 degrees warmer.

Midmonth, the week of January 14-20, was rainy or snowy in much of the Nation. Only parts of the northern and extreme southern Plains received no precipitation. Winter storms moved from the central Rockies, across the Plains and western Great Lakes. A low pressure center formed in the Southeast and caused rain from southeastern Texas to the mid-Atlantic Coast.

The entire Nation was warmer than normal. Only the extreme northwestern part of the country was near normal. The week's temperatures departed from normal by 15 degrees in the northern Plains, 9 degrees in California and the Appalachians, and 12 degrees in New England.

During the last 10 days of January, the series of storms forming in the central Rockies began to move southeastward and off the Southeast Coast. Moderate snow fell from southeastern Idaho to northwestern Kansas. Kansas, where major winter wheat fields are located, had acquired a good snowcover for protection from cold weather and wind. Moderate to heavy rain fell from central Texas through the southeastern United States.

Very cold temperatures chilled an area from the Pacific Northwest over the Rockies and down the eastern slopes into New Mexico. Minimum temperatures ranged down to -25° in the Montana winter wheat area, where little snowcover protected the crop. The Southeast was warm through most of the period, but cold weather descended well into Florida by the end of the month.



Temperature and Precipitation Data for January 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 . . .	45	1	6.7	1.9	LA. Baton Rouge . . .	53	2	4.7	.3	Youngstown . . .	24	-2	1.7	-1.2
Moblie . . .	56	5	5.0	.3	Lake Charles . . .	54	2	5.4	1.4	OKLA. Okla. City . . .	38	1	1.7	.6
Montgomery . . .	51	3	4.1	.1	New Orleans . . .	56	3	2.4	-2.1	Tulsa . . .	39	2	2.1	.7
ALASKA Anchorage . . .	10	-2	1.3	.5	Shreveport . . .	48	1	4.7	.7	OREG. Astoria . . .	39	-2	9.7	0
Barrow . . .	-14	-1	.2	0	MAINE Caribou . . .	13	2	1.6	-.4	Burns . . .	25	0	1.6	-.2
Fairbanks . . .	-10	-2	.5	-.1	Portland . . .	23	1	1.0	-2.4	Medford . . .	39	2	2.6	-.9
Juneau . . .	-1	-1	.1	-.1	MD. Baltimore . . .	34	1	2.6	-.3	Pendleton . . .	26	-6	2.5	.9
Kodiak . . .	30	0	6.1	1.1	MASS. Boston . . .	29	0	.7	-3.0	Portland . . .	35	-3	8.5	2.6
Nome . . .	1	-5	1.5	.6	Chatham . . .	32	1	4.7	.9	Salem . . .	36	-3	6.6	-.3
ARIZ. Flagstaff . . .	31	3	6.5	4.6	MICH. Alpena . . .	20	2	1.0	-.7	PA. Allentown . . .	31	3	.8	-2.2
Phoenix . . .	57	6	1.6	.9	Detroit . . .	25	0	.7	-1.1	Erie . . .	27	1	1.6	-.9
Tucson . . .	54	3	.7	-.1	Flint . . .	23	1	1.3	-.4	Harrisburg . . .	30	0	.9	-1.7
Winslow . . .	38	5	1.2	.8	Grand Rapids . . .	25	2	1.8	-.1	Philadelphia . . .	32	0	2.3	-.5
Yuma . . .	60	5	.5	-.1	Houghton Lake . . .	19	2	1.6	.1	Pittsburgh . . .	27	-1	1.6	-1.2
ARK. Fort Smith . . .	40	1	1.0	-1.4	Lansing . . .	22	-1	.7	-1.2	Scranton . . .	28	1	.4	-1.7
Little Rock . . .	41	0	2.8	-1.3	Marquette . . .	13	0	3.0	1.3	R.I. Providence . . .	30	1	1.4	-2.1
CALIF. Bakersfield . . .	53	5	2.6	1.6	Muskegon . . .	24	0	2.4	.1	S.C. Charleston . . .	49	0	4.0	1.1
Eureka . . .	48	1	3.2	-4.2	S. Ste. Marie . . .	15	1	3.4	1.5	Columbia . . .	44	-1	4.7	1.3
Fresno . . .	49	4	3.8	2.0	MINN. Duluth . . .	9	0	1.6	.4	Greenville . . .	44	2	4.3	.2
Los Angeles . . .	60	5	7.0	4.5	Internatl Falls . . .	2	0	.9	0	S.D. Aberdeen . . .	17	4	.3	-.1
Red Bluff . . .	50	5	2.8	-1.7	Minneapolis . . .	15	3	.9	.2	Huron . . .	21	-1	.2	-1.3
San Diego . . .	61	6	5.6	3.7	Rochester . . .	16	3	1.5	.8	Rapid City . . .	18	4	.2	-.4
San Francisco . . .	51	3	4.9	.5	St. Cloud . . .	11	2	1.2	.4	Sioux Falls . . .	41	1	4.7	-.7
Stockton . . .	50	5	3.1	.2	MISS. Jackson . . .	47	0	7.5	3.0	TENN. Chattanooga . . .	42	1	5.5	-.8
COLO. Denver . . .	26	-4	.6	0	Meridian . . .	49	2	7.5	3.2	Knoxville . . .	43	2	3.2	-1.7
Grand Junction . . .	33	6	.7	-.1	MO. Columbia . . .	29	0	.6	-1.1	Memphis . . .	40	2	2.6	-2.2
Pueblo . . .	28	-2	.4	-.1	Kansas City . . .	29	2	1.6	-.3	Nashville . . .	45	1	.8	-.2
CONN. Bridgeport . . .	32	2	1.0	-1.7	St. Louis . . .	31	0	.6	-1.3	TEX. Abilene . . .	45	1	.9	-.4
Hartford . . .	28	3	.7	-2.6	Springfield . . .	37	4	.9	-.8	Amarillo . . .	35	-1	.9	-.2
D.C. Washington . . .	37	1	2.9	.3	MONT. Billings . . .	17	-5	1.1	.4	Austin . . .	51	1	.9	-1.0
FLA. Apalachicola . . .	54	0	4.5	1.4	Glasgow . . .	7	-2	.5	-.1	Beaumont . . .	55	3	4.6	.5
Daytona Beach . . .	58	0	3.8	1.7	Great Falls . . .	15	-6	.7	-.2	Brownsville . . .	64	4	1.1	-.3
Ft. Myers . . .	65	1	2.4	-.8	Havre . . .	12	0	.4	-.1	Corpus Christi . . .	60	4	1.2	-.4
Jacksonville . . .	54	-1	2.6	-.2	Helena . . .	14	-4	.6	0	Del Rio . . .	54	3	.2	-.4
Key West . . .	71	0	1.0	-.7	Kalispell . . .	12	-7	2.2	-.7	El Paso . . .	47	3	.5	.1
Lakeland . . .	65	4	2.1	-.2	Miles City . . .	13	-2	.3	-.2	Fort Worth . . .	46	1	2.5	.7
Miami . . .	68	1	1.9	-.3	Missoula . . .	16	-5	1.8	.6	Galveston . . .	56	2	6.9	3.9
Orlando . . .	61	1	2.5	.2	NEBR. Grand Island . . .	23	0	.8	.3	Houston . . .	55	3	6.1	2.5
Tallahassee . . .	52	-1	4.4	-.7	Lincoln . . .	22	1	1.1	-.5	Lubbock . . .	40	1	.5	-.1
Tampa . . .	62	2	1.7	-.6	Norfolk . . .	22	3	.3	-.3	Midland . . .	45	1	.5	-.1
W. Palm Beach . . .	64	-2	4.1	1.5	N. Platte . . .	25	2	.5	0	San Angelo . . .	46	0	.8	0
GA. Atlanta . . .	45	3	5.7	1.4	Omaha . . .	24	4	.6	-.1	San Antonio . . .	53	2	.7	-1.0
Augusta . . .	46	0	4.1	-.7	Valentine . . .	20	0	.4	-.1	Victoria . . .	56	2	4.5	2.7
Macon . . .	51	3	3.3	-.4	NEV. Ely . . .	28	4	1.6	1.0	Waco . . .	47	0	2.3	.4
Savannah . . .	51	1	3.0	.1	Las Vegas . . .	50	6	1.5	1.0	Wichita Falls . . .	43	1	1.6	.5
HAWAII. Hilo . . .	72	1	.9	-8.2	Reno . . .	37	5	2.8	1.6	UTAH. Blanding . . .	31	2	3.5	2.4
Honolulu . . .	72	0	8.9	4.5	Winnemucca . . .	33	5	1.9	.9	Salt Lake City . . .	34	6	2.9	1.6
Kahului . . .	73	1	14.5	10.9	N.H. Concord . . .	22	1	.4	-2.3	VT. Burlington . . .	21	4	.6	-1.1
Lihue . . .	72	1	6.1	.1	N.J. Atlantic City . . .	31	-2	2.6	-1.0	VA. Lynchburg . . .	36	-1	4.6	1.8
IDAHO. Boise . . .	30	1	1.6	.1	Trenton . . .	33	1	2.0	-.8	Norfolk . . .	40	-1	4.5	1.1
Lewiston . . .	29	-2	1.7	.4	N.MEX. Albuquerque . . .	40	5	.9	.6	Richmond . . .	39	1	6.1	3.2
Pocatello . . .	25	2	3.2	2.1	Roswell . . .	40	2	.9	.5	Roanoke . . .	37	1	4.1	1.4
ILL. Cairo . . .	37	1	2.1	-1.9	N.Y. Albany . . .	24	2	.4	-1.8	WASH. Colville . . .	20	-4	2.5	.4
Chicago . . .	23	0	1.0	-.7	Binghamton . . .	24	2	1.1	-1.2	Omak . . .	19	-2	1.4	.2
Moline . . .	23	1	1.3	-.4	Buffalo . . .	26	2	2.0	-.9	Quillayute . . .	36	-3	6.3	-8.3
Peoria . . .	24	0	.6	-1.2	New York . . .	33	1	1.9	-1.0	Seattle-Tacoma . . .	35	-3	4.1	-1.7
Rockford . . .	19	-1	1.0	-.8	Rochester . . .	24	0	1.1	-1.2	Spokane . . .	21	-4	2.0	-.5
Springfield . . .	28	1	.7	-1.1	Syracuse . . .	26	2	1.5	-1.2	Walla Walla . . .	28	-5	3.1	1.0
IND. Evansville . . .	33	1	1.8	-1.6	N.C. Asheville . . .	40	2	2.9	-.5	Yakima . . .	21	-7	2.2	.9
Ft. Wayne . . .	25	0	.7	-1.8	Charlotte . . .	41	-1	4.7	1.2	W.VA. Beckley . . .	31	0	3.4	-.1
Indianapolis . . .	29	1	1.7	-1.2	Greensboro . . .	38	-1	4.0	1.8	Charleston . . .	34	-1	2.8	-.6
South Bend . . .	27	3	1.5	-.9	Hatteras . . .	46	1	7.8	3.5	Huntington . . .	35	1	2.5	-.7
IOWA. Burlington . . .	25	2	1.1	-.5	Raleigh . . .	41	0	4.4	1.2	Parkersburg . . .	32	-1	1.4	-1.7
Des Moines . . .	23	4	1.8	.7	Wilmington . . .	47	1	4.2	1.0	WISC. Green Bay . . .	18	3	1.9	.8
Dubuque . . .	20	2	1.8	.1	N.DAK. Bismarck . . .	9	1	.7	.2	La Crosse . . .	19	3	1.6	.6
Sioux City . . .	22	4	.6	-.1	Fargo . . .	7	1	1.2	.7	Madison . . .	17	0	1.1	-.2
KANS. Concordia . . .	27	1	1.2	.5	Williston . . .	8	0	.6	0	Milwaukee . . .	21	2	1.7	.1
Dodge City . . .	27	-4	1.1	.6	OHIO. Akron-Canton . . .	27	1	1.6	-1.1	WYO. Casper . . .	16	-7	.8	.3
Goodland . . .	24	-4	.6	.2	Cincinnati . . .	30	-1	2.3	-1.0	Cheyenne . . .	22	-5	2.7	2.2
Topeka . . .	29	1	1.3	.3	Cleveland . . .	26	-1	1.2	-1.4	Lander . . .	14	-6	1.0	.5
Wichita . . .	31	0	1.8	.9	Columbus . . .	29	1	1.7	-1.2	Sheridan . . .	16	-5	.6	-.1
KY. Lexington . . .	32	-1	1.6	-2.4	Dayton . . .	28	0	2.2	-.6	P.R. San Juan . . .	78	3	1.7	-2.0
Louisville . . .	34	1	1.7	-1.8	Toledo . . .	24	-1	.7	-1.4					

Based on 1941-70 normals

Heating Degree Days (Base 65° F.)

January 1980

ALA. Birmingham . . .	603	MAINE, Caribou . . .	1593	OKLA. Okla. City . . .	823
Mobile . . .	267	Portland . . .	1305	Tulsa . . .	812
Montgomery . . .	420	MD. Baltimore . . .	962	OREG. Astoria . . .	807
ALASKA, Anchorage . . .	--	MASS. Boston . . .	1096	Burns U.	1227
Barrow . . .	2450	Chatham	1022	Medford	802
Fairbanks	--	MICH. Alpena	1396	Pendleton	1199
Juneau	--	Detroit	1249	Portland	920
Nome	1970	Flint	1282	Salem	905
ARIZ. Flagstaff	1057	Grand Rapids	1230	PA. Allentown	1058
Phoenix	254	Houghton Lake	1416	Erie	1189
Tucson	323	Lansing	1321	Harrisburg	1070
Winslow	822	Marquette U	1604	Philadelphia	1021
Yuma	155	S. Ste. Marie	1541	Pittsburgh	1175
ARK. Fort Smith	769	MINN. Duluth	1745	Scranton	1144
Little Rock	728	Internatl Falls	1949	R. I. Providence	1088
CALIF. Bakersfield . . .	373	Minneapolis	1536	S. C. Charleston	495
Eureka U.	511	Rochester	1532	Columbia	641
Fresno	473	St. Cloud	1679	Greenville	647
Los Angeles U	161	MISS. Jackson	540	S. DAK. Aberdeen	1608
Red Bluff	460	Meridian	489	Huron	1485
Stockton	472	Vicksburg U	--	Rapid City	1359
San Diego	117	MO. Columbia	1101	Sioux Falls	1448
San Francisco	441	Kansas City	1118	TENN. Chattanooga	745
COLO. Denver	1204	St. Louis	1035	Knoxville	715
Grand Junction	996	Springfield	877	Memphis	669
Pueblo	1135	MONT. Billings	1484	Nashville	777
CONN. Bridgeport	1024	Glasgow	1788	TEX. Abilene	605
Hartford	1151	Great Falls	1534	Amarillo	926
D. C. Washington	857	Havre	1644	Austin	425
FLA. Apalachicola	326	Helena	1566	Beaumont	306
Ft. Myers	85	Kalispell	1639	Brownsville	108
Jacksonville	356	Miles City	1601	Corpus Christi	195
Key West	12	Missoula	1506	Dallas	--
Daytona Beach	234	NEBR. Grand Island	1340	Del Rio	335
Miami	50	Lincoln	1281	El Paso	555
Orlando	161	Norfolk	1332	Fort Worth	597
W. Palm Beach	96	North Platte	1233	Galveston U.	265
Tallahassee	385	Omaha	1267	Houston	308
Tampa	136	Valentine	1408	Lubbock	756
GA. Atlanta	616	NEV. Ely	1138	Midland	619
Augusta	588	Las Vegas	474	San Angelo	577
Macon	441	Reno	865	San Antonio	386
Savannah	436	Winnemucca	995	Victoria	299
IDAHO, Boise	1070	N. H. Concord	1318	Waco	562
Lewiston	1122	N. J. Atlantic City	1054	Wichita Falls	682
Pocatello	1245	Trenton U	988	UTAH, Milford	1036
ILL. Cairo U.	856	N. MEX. Albuquerque	763	Salt Lake City	964
Chicago	1281	Roswell	773	VT. Burlington	1350
Moline	1280	N. Y. Albany	1259	VA. Lynchburg	892
Peoria	1279	Binghamton	1278	Norfolk	759
Rockford	1411	Buffalo	1208	Richmond	806
Springfield	1146	New York	997	Roanoke	848
IND. Evansville	982	Rochester	1264	WASH. Colville	1384
Fort Wayne	1240	Syracuse	1214	Omak	--
Indianapolis	1123	N. C. Asheville	753	Quillayute	905
South Bend	1172	Charlotte	726	Seattle-Tacoma	929
IOWA, Burlington	1230	Greensboro	817	Spokane	1365
Des Moines	1281	Hatteras R.	753	Walla Walla U.	1137
Dubuque	1383	Raleigh	753	Yakima	1364
Sioux City	1339	Wilmington	543	W. VA. Beckley	1053
KANS. Concordia	1184	N. DAK. Bismarck	1742	Charleston	951
Dodge City	1171	Fargo	1808	Huntington	936
Goodland	1241	Williston U	1770	Parkersburg U.	998
Topeka	1123	OHIO. Akron-Canton	1179	WIS. Green Bay	1461
Wichita	1038	Cincinnati U.	1080	Madison	1471
KY. Lexington	1005	Cleveland	1218	Milwaukee	1368
Louisville	969	Columbus	1099	WYO. Casper	1505
LA. Baton Rouge	376	Dayton	1145	Cheyenne	1322
Lake Charles	543	Toledo	1258	Lander	1578
New Orleans	278	Youngstown	1250	Sheridan	1523
Shreveport	508				

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

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

IMMEDIATE - U. S. Weather Report

This Report Will be Treated in All Respects as Letter Mail

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF COMMERCE

COM 210



FIRST CLASS MAIL

RECEIVED WITHOUT ADDRESS

(continued from page 10)

East: Temperatures averaged 15 to 18° below normal. Precipitation averaged 0.20 to 0.50 in. below normal.

Limited freeze damage expected to winter grains and fruits. Calving and lambing picking up. Fruit tree pruning continued.

WEST VIRGINIA: Temperatures averaged much below normal. Extremes: 45 and -3°. Precipitation averaged below normal.

Fieldwork: 1.6 days suitable. Soil moisture adequate. Supply of hay, grain, other feed adequate. Fuel supplies mostly adequate to tight.

WISCONSIN: Temperatures well below normal as arctic air dominated. Highs mostly in teens or less. Lows below zero every night. Extremes: 27 and -27°. Precipitation light with snow of less than 1 in. except for snow squalls near Lake Michigan 30th and 3d. Lake effect snow of 1 to 12 in. fell from Milwaukee southward 30th and 2 to 7 in. accumulated 3d. Total precipitation amounts averaged from 0.01 to 0.05 in. except extreme southeast where 1.50 to 3.50 in. recorded. Most of State has only 1 to 3 in. snowcover except northern areas where depths range from 6 to 24 in. Frost penetration increasing due to cold temperatures and light snowcover.

WYOMING: Temperatures below normal. Warming trend at end of week. Precipitation a bit below normal.

Winter wheat mostly good with snowcover in southern areas. Cold weather and snow increased supplemental feeding. Livestock mostly good condition. Early lambing, calving starting.

Publication of the Weekly Weather and Crop Bulletin began in 1872 as the Weekly Weather Chronicle. It is issued under general authority of the Act of January 12, 1895 (44USC 213), 53d Congress, 3d Session. Contents of the Bulletin may be reprinted freely, with proper credit.

Standard copy for the Bulletin is prepared by Donald J. Haddock, Lyle Denny, and O. W. Byrd, Climate Analysis Center, National Weather Service,

CONTENTS

	PAGE
NATIONAL WEATHER SUMMARY	1
NATIONAL AGRICULTURAL SUMMARY	3
WEATHER DATA FOR SELECTED CITIES	4
STATE SUMMARIES OF WEATHER AND AGRICULTURE	7
SNOW DEPTH MAP	9
INTERNATIONAL WEATHER AND CROP SUMMARY	11
SOIL TEMPERATURE MAP	14
HEATING DEGREE DAYS TABLE	15
JANUARY WEATHER SUMMARY	16
JANUARY WEATHER DATA	18
JANUARY HEATING DEGREE DAYS DATA	19

National Oceanic and Atmospheric Administration; Harry DeLong and Jim Carlin, Economics, Statistics, and Cooperatives Service, U.S. Department of Agriculture.

Yearly subscription rate: \$13.00 domestic and \$18.00 foreign airmail. Order from the Agricultural Weather Facility, USDA South Building, Room 3526, Washington, D.C. 20250. Make checks payable to Department of Commerce, NOAA.