

WEEKLY WEATHER AND CROP BULLETIN

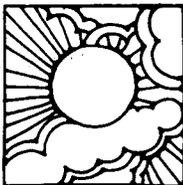
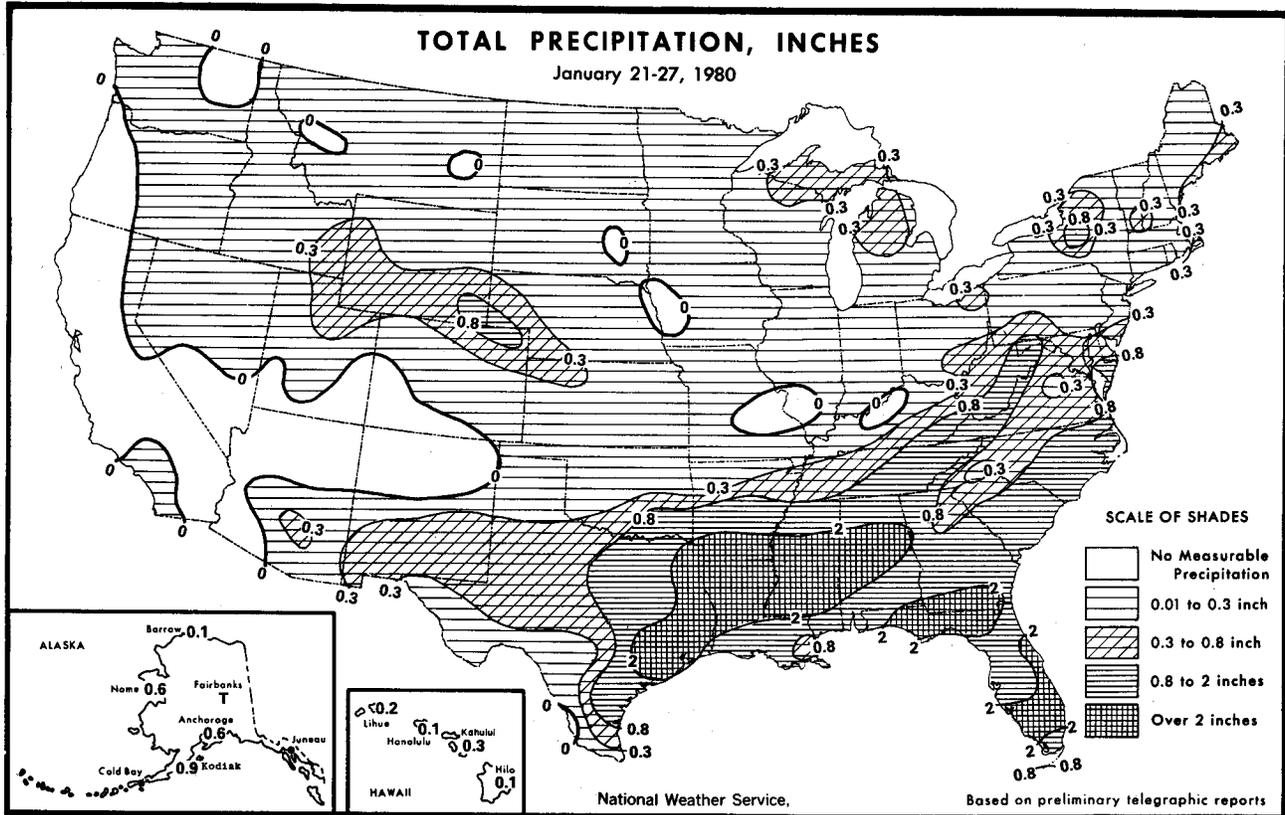
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National Weather Summary

January 21 - 27

HIGHLIGHTS: A series of storm systems originated in the central Rockies and moved southeastward off the Southeast coast. Heavy snow fell from southeastern Idaho to northwestern Kansas. Moderate amounts fell in other areas of the central Plains and southern New Mexico.

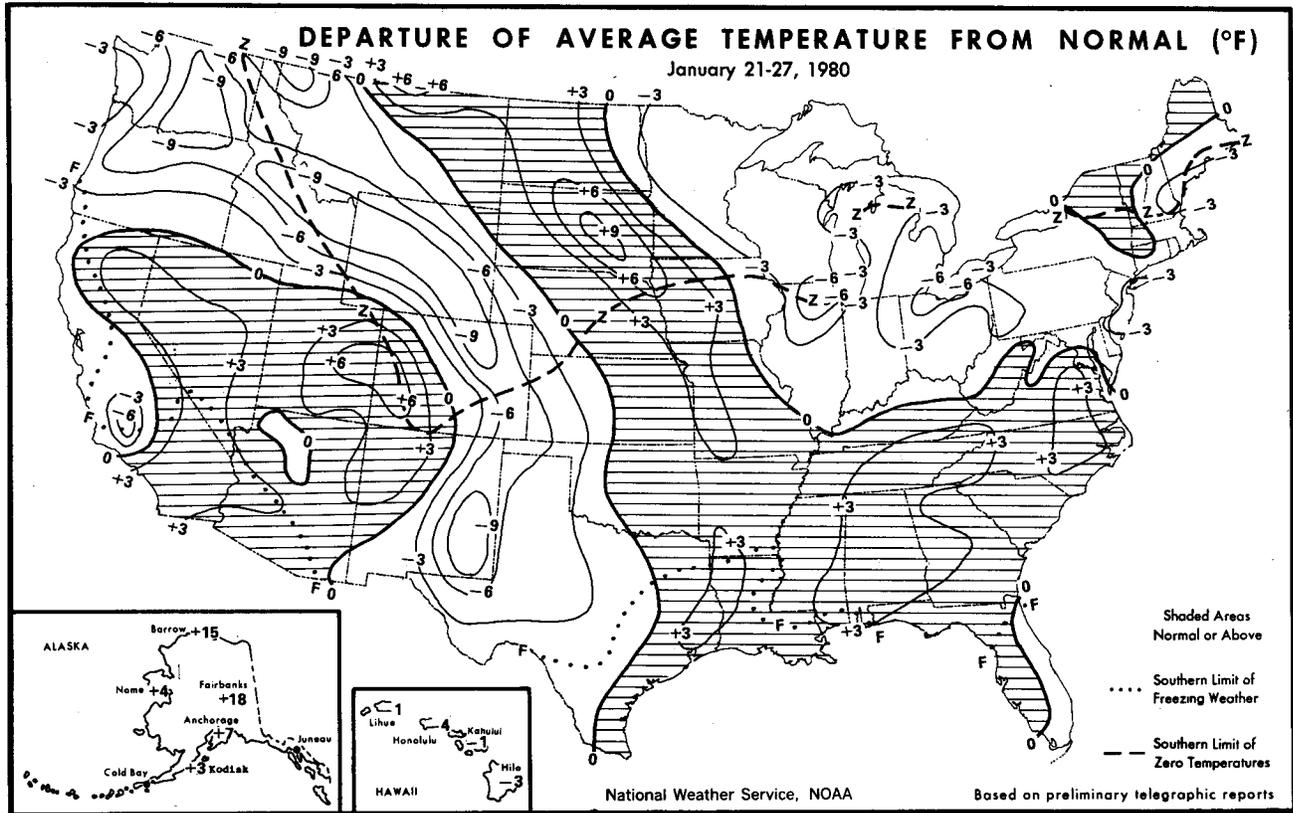
Light rain dampened West Texas, while moderate to heavy rain fell from East Texas through the Southeast. Some heavy snow blanketed the central Appalachians; only light totals fell to the north.

Very cold air pushed into the northern Rockies and spread southward and eastward. Average temperatures in Wyoming ranged as much as 12 degrees

colder than normal. Further east, in the northern Plains, some sections were 7 to 10 degrees above normal.

On Monday, a rain-producing stationary front stretched along the Gulf Coastal States through Texas. Some rainfall amounts showed 1.2 inches at Houston, a third-inch at Shreveport, northwestern Louisiana, and three-quarters inch at Jackson, Miss. Rains swelled waterways in southeastern Texas. Hail peppered Deming, southern New Mexico, and El Paso, Tex.

Snow fell from the upper Great Lakes to New York State; Syracuse, central New York, gathered 3 inches.



Meantime, a half-inch snowfall dusted Kansas City, Mo.---the latest first snow of any winter there.

Rain, heavy at times, fell from Texas through the Gulf States and northward up the Atlantic Coast to Delaware on Tuesday. A sampling of totals included 2.4 inches at Alexandria, central Louisiana, 2.5 inches at Birmingham, Ala., and 2.2 inches at Valdosta, southern Georgia. Local flooding covered parts of Fort Worth, Tex.

Snow fell from eastern New Mexico through the Texas Plains; 2 inches whitened Lubbock, below the Texas Panhandle. Light snow persisted from the Great Lakes through northern New England.

The heaviest rains on Wednesday fell over Florida; both Orlando and Fort Myers scored about three-quarters inch.

A cold front spread light snow from the upper Mississippi Valley to the northern half of the Atlantic Coast; 2 inches of snow fell over Cleveland, Beckley, southern West Virginia, and Syracuse, N.Y.

On Thursday, snow fell from the northern Mississippi Valley to the Atlantic Seaboard; 3 inches blanketed Zumbro Falls, southeastern Minnesota, Grand Rapids, western Michigan, and Elkins, eastern West Virginia.

Snow ranged from the Rockies to the western Plains on Friday. Cheyenne, Wyo., tallied 13 inches of snow, breaking the January single-day record of 10 inches set in 1962. Three to 5 inches lay over the western portions of Kansas and Nebraska.

Snow persisted in the Appalachians; additional snow pushed the total to 15 inches at Pickens, east central West Virginia.

Subzero temperatures raced into the upper sections of the Rockies and Midwest on Saturday. Casper, east central Wyoming, notched a record low reading of -27° , undercutting the 1972 mark by 8 degrees.

Snow showers persisted in the central Plains and edged into the middle Mississippi Valley. More than a foot of snow blanketed Oberlin, northwestern Kansas. Light snow fell in the upper Ohio Valley and New York State.

Meantime, rains, sometimes heavy, doused the Southeast. Nearly 2 inches soaked Alma, southeastern Georgia, while 1 to 2 inches fell over Gainesville and Daytona Beach, in Florida.

On Sunday, heavy snow extended from the central Plateau Region to the west central Plains. Wyoming was especially hard hit; Cheyenne, already with 32 inches this January, has marked its snowiest first month ever--the old record showed just over 20 inches in 1891. Snow totals also included 5 inches at Salt Lake City and 9 inches at Sidney, western Nebraska.

Very cold air accompanied the snow and reached as far south as the Texas Panhandle, where morning readings were only a few degrees above zero.

Casper, Wyo., at -25° , registered another record low temperature. Great Falls, Mont., recorded -19° with only 2 inches of snow providing a protective crop cover.

A cold front pushed thunderstorms over southern Florida; more than 3 inches of rain deluged West Palm Beach, and more than an inch and a half soaked Miami.



National Agricultural Summary

January 21 - 27

HIGHLIGHTS: Heavy rain fell throughout the southeastern part of the Nation, keeping soils saturated and limiting fieldwork to only 1 or 2 days. Southeastern farmers spread fertilizer, lime, and manure and disced crop stubble where conditions permitted. Winter wheat generally rated fair to good; snowcover improved in parts of the Plains and Pacific Northwest. Rains and mild temperatures across most of the South improved small grain growth which provided additional grazing. Grasslands generally rated fair to good; mild temperatures enhanced greening of some pastures.

SMALL GRAINS: Winter wheat generally rated fair to mostly good in most major producing areas. Precipitation, falling as rain in some areas and snow in others, improved survival conditions for winter wheat. The crop lay practically dormant from the Texas High Plains northward.

A light snowcover protected portions of the Montana, Dakotas, and Nebraska winter wheat. Improved soil moisture in Kansas reduced the threat of blowing; winter wheat sustained very little additional damage. Winter wheat provided a solid groundcover on 10 to 50% of the Kansas acreage. Texas High Plains wheat fields were mostly dormant but furnished limited grazing. Greenbugs posed a problem throughout the Blacklands. Recent precipitation improved wheat stands on the Low Plains and in southern and central Texas. Arizona winter wheat showed good growth and early fields jointed; wheat growers prepared land for spring seeding. California winter wheat rated good; however, stands turned yellow in poorly drained areas. Northwest winter wheat rated good, although snowcover was sparse. Winter wheat in the Corn Belt rated fair to mostly good. Very little snowcover protected the crop; temperatures generally stayed near normal.

OTHER CROPS: Cotton growers in the Southwest shredded last year's stalks and prepared land for the 1980 crop.

Tobacco producers continued to market leaf from the 1979 crop; several markets closed. Tobacco growers as far north as Virginia prepared beds for seeding. Georgia tobacco plants rated good.

The sugarcane harvest in Florida and Texas moved actively.

FRUITS & NUTS: Deciduous orchard growers pruned and sprayed trees throughout the southern half

of the Nation. The pecan harvest stood at 99% complete in Texas.

Florida citrus groves rated excellent; moisture proved adequate in all areas of the State. Some orange drop was excessive. Harvest for processing moved rapidly. The Florida grapefruit harvest held steady. The Texas citrus harvest advanced to over 50% complete for grapefruit and over 67% complete for early oranges; the Valencia harvest was just starting. Arizona citrus growers harvested Navels, sweet oranges, lemons, tangerines, and grapefruit. The California Navel harvest advanced on schedule; lemons, tangelos, and tangerines were also packed.

VEGETABLES: A cold front moved through Florida vegetable producing areas at midweek preceded by strong winds and heavy rains. The stormy weather caused some fruit scarring, cracking, and whipped foliage but produced minimal damage. A warming trend produced normal temperatures after the front passed. Planting and harvest activities were somewhat curtailed by the adverse weather. Overall shipments from Florida declined 4% from the previous week. Cauliflower and strawberry volumes advanced considerably with lesser increases registered for carrots and okra. Shipments for other crops held steady or declined.

Texas vegetable producers shipped carrots, cabbage, cauliflower, lettuce, broccoli, and spinach. Growers throughout Texas prepared land to seed spring vegetables and melons.

California vegetable producers harvested asparagus, broccoli, cauliflower, celery, lettuce, and the first strawberries from the south coast.

PASTURES & LIVESTOCK: Pastures generally rated fair to good across the South. Frequent precipitation and above-normal temperatures encouraged grass growth and greened some normally dormant stands. Cattle producers utilized winter grazing as far north as Kansas and Kentucky, although soft fields reduced grazing in some areas. Arizona rangeland continued to rate poor; dry conditions persisted in the south, but soil moisture supplies improved in the north. California rains improved grass growth, but stands needed to gain strength before cattle could be turned on them. Subnormal temperatures through many parts of the West and the northern Corn Belt increased feed requirements for cattle. Calving and lambing began throughout the Nation. Herds generally rated good.

Weather Data for the Week Ending Jan. 27, 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 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 . . .	54	41	60	27	48	3	3.1	-2.0	2.7	7.0	76	78	55	0	2	3	1
Mobile . . .	63	48	72	34	55	4	.8	-.2	.7	8.6	89	81	57	0	0	1	1
Montgomery . . .	59	44	66	30	52	4	1.2	.3	.7	6.5	79	82	57	0	1	3	2
ALASKA Anchorage . . .	26	15	46	4	20	3	.6	.4	.3	1.9	112	86	73	0	6	3	0
Barrow . . .	7	-8	16	-26	-1	15	.1	0	.1	.3	60	90	61	0	6	3	0
Fairbanks . . .	15	-4	43	-25	5	16	T	.1	T	5.5	56	74	53	0	7	2	0
Kodiak . . .	39	30	42	20	34	4	.9	.3	.6	.6	63	79	75	0	3	5	0
Nome . . .	19	1	34	-22	10	4	.6	.4	.2	2.1	150	85	64	0	6	3	1
ARIZ. Flagstaff . . .	40	15	46	0	28	0	0	.4	0	5.7	63	79	75	0	3	5	1
Phoenix . . .	65	42	69	38	54	3	.3	.2	.3	1.6	123	70	33	0	0	1	0
Tucson . . .	62	39	68	35	51	0	.2	.1	.2	.8	53	54	23	0	0	0	0
Winslow . . .	46	24	52	17	35	2	T	.1	T	1.5	188	--	--	0	6	0	0
Yuma . . .	71	44	74	40	58	2	0	.1	0	.3	38	64	27	0	0	0	0
ARK. Fort Smith . . .	51	31	68	22	41	2	.1	.5	.1	3.5	74	84	54	0	4	1	0
Little Rock . . .	51	35	71	27	43	1	1.2	.2	.7	5.2	69	70	48	0	2	2	2
CALIF. Bakersfield . . .	52	40	61	33	46	-2	0	.2	0	2.8	200	--	72	0	0	0	0
Eureka . . .	53	40	59	34	47	-1	0	.7	0	6.5	51	95	64	0	0	0	0
Fresno . . .	50	38	57	32	44	-2	T	.4	T	4.6	144	96	76	0	1	0	0
Los Angeles . . .	67	48	72	44	58	1	.1	.6	T	5.5	117	60	41	0	0	0	0
Red Bluff . . .	62	39	75	30	50	4	0	1.0	0	8.8	116	87	52	0	1	0	0
San Diego . . .	67	50	71	45	59	3	.1	.3	.1	3.1	97	61	50	0	0	1	0
San Francisco . . .	57	40	63	37	48	0	0	1.0	0	9.3	121	92	62	0	0	0	0
Stockton . . .	49	39	58	35	44	-1	T	.6	T	4.9	98	--	80	0	0	0	0
COLO. Denver . . .	34	9	54	-3	22	-8	.2	.1	.2	1.7	213	72	42	0	7	2	0
Grand Junction . . .	44	24	50	21	34	7	0	.1	0	.7	88	77	44	0	7	2	0
Pueblo . . .	40	16	69	5	28	-2	T	.1	T	1.2	150	95	53	0	7	2	0
CONN. Bridgeport . . .	35	23	42	18	29	-1	.2	.4	.2	3.4	62	52	38	0	7	1	0
Hartford . . .	33	18	37	12	25	0	T	.7	T	2.7	41	62	33	0	7	1	0
D. C. Washington . . .	43	29	48	20	36	0	.3	.3	.3	3.6	69	65	48	0	6	0	0
FLA. Apalachicola . . .	65	48	70	28	57	3	1.6	.9	.9	7.8	134	98	65	0	1	3	2
Daytona Beach . . .	69	50	74	36	59	1	2.0	1.5	.7	4.2	124	89	50	0	0	4	2
Ft. Myers . . .	75	56	82	43	66	2	2.4	2.0	.8	7.6	271	86	66	0	0	2	1
Jacksonville . . .	66	43	74	31	55	0	1.4	.7	.7	4.5	94	86	54	0	1	2	1
Key West . . .	76	65	80	56	71	0	.6	.2	.4	2.2	73	83	68	0	0	1	0
Miami . . .	74	57	81	46	65	-2	1.8	1.3	1.4	4.9	136	87	57	0	0	2	1
Orlando . . .	73	49	78	38	61	0	1.8	1.3	1.0	3.4	92	85	48	0	0	3	2
Tallahassee . . .	65	42	74	25	54	1	2.2	1.3	1.1	10.2	142	92	60	0	1	5	2
Tampa . . .	71	54	76	49	62	2	1.1	.5	.9	3.2	78	80	57	0	0	2	1
W. Palm Beach . . .	74	51	80	29	62	-5	3.9	3.3	3.4	6.9	153	78	61	0	0	3	1
GA. Atlanta . . .	52	39	57	29	46	3	.8	.2	.6	6.0	76	78	65	0	2	4	1
Augusta . . .	55	39	62	30	47	1	1.7	.9	.8	5.4	86	80	51	0	1	4	2
Macon . . .	59	44	67	31	52	4	1.2	.4	.6	4.8	66	84	57	0	1	5	1
Savannah . . .	60	44	69	31	52	2	1.5	.9	1.0	5.6	98	78	50	0	1	1	1
HAWAII. Hilo . . .	--	--	--	--	68	-3	.1	-.9	--	7.8	35	--	--	0	0	1	0
Honolulu . . .	76	61	80	56	68	-4	.1	.9	.1	9.6	130	90	55	0	0	1	0
Kahului . . .	--	--	--	--	70	-1	0	.8	0	--	--	--	--	--	--	--	--
Lihue . . .	--	--	--	--	70	-1	.2	1.2	--	5.2	45	--	--	0	0	--	0
IDAHO. Boise . . .	33	21	38	-7	27	-3	.1	.3	.1	2.2	79	80	58	0	7	--	0
Lewiston . . .	32	22	40	8	27	-5	T	.3	T	2.5	104	75	54	0	7	1	0
Pocatello . . .	22	12	30	0	17	-7	.3	.1	.2	3.6	189	86	58	0	7	2	0
ILL. Cairo . . .	44	31	59	25	38	1	.1	.8	.1	5.4	76	--	--	0	5	1	0
Chicago . . .	25	7	35	1	16	-7	.1	.3	.1	3.2	91	98	--	0	7	2	0
Moline . . .	28	13	41	6	20	-1	.1	.3	.1	3.4	106	76	60	0	7	3	0
Peoria . . .	28	12	41	5	20	-4	.1	.3	T	2.9	91	83	70	0	7	3	0
Rockford . . .	23	6	34	-1	14	-6	.2	.2	.2	3.2	100	79	64	0	7	2	0
Springfield . . .	32	18	45	12	25	-2	.2	.2	.2	2.8	85	78	59	0	7	3	0
IND. Evansville . . .	39	25	48	19	32	-1	T	.8	T	4.6	74	85	64	0	7	2	0
Ft. Wayne . . .	28	16	35	10	22	-3	.1	.5	.1	3.3	75	78	55	0	7	2	0
Indianapolis . . .	33	18	39	12	26	-2	.2	.4	.2	4.0	80	84	59	0	7	1	0
South Bend . . .	30	13	37	5	22	-2	.2	.3	.1	5.0	106	75	64	0	7	4	0
IOWA. Burlington . . .	30	16	43	10	23	0	T	.4	T	2.2	69	--	--	0	7	1	0
Des Moines . . .	29	17	44	6	23	4	T	.2	T	1.7	85	82	57	0	7	1	0
Dubuque . . .	23	10	36	0	17	-1	.2	.2	.2	3.2	97	78	69	0	7	3	0
Sioux City . . .	34	14	48	2	24	6	T	.1	T	.4	40	76	43	0	6	0	0
KANS. Concordia . . .	36	20	56	7	28	1	.1	0	.1	1.6	145	82	54	0	6	2	0
Dodge City . . .	35	18	60	4	26	-5	.1	0	.1	1.6	200	79	58	0	7	2	0
Goodland . . .	33	13	57	-10	23	-5	.3	.2	.1	1.8	225	83	56	0	6	1	0
Topeka . . .	38	22	57	9	30	2	.1	.1	.1	1.4	56	82	53	0	6	2	0
Wichita . . .	40	24	59	11	32	1	T	.2	T	3.8	200	81	57	0	6	1	0
KY. Lexington . . .	40	24	51	16	32	-1	T	.9	T	5.1	75	83	53	0	7	1	0
Louisville . . .	42	26	51	20	34	0	T	.8	T	5.0	79	80	51	0	7	0	0

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending Jan. 27, 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	59	48	69	34	54	3	1.3	.3	1.0	7.4	86	87	71	0	0	3	1
Lake Charles	62	48	67	37	55	2	1.6	.7	1.3	8.1	93	88	68	0	0	3	1
New Orleans	63	47	75	33	55	2	.8	-	.6	9.4	107	83	63	0	0	2	1
Shreveport	57	43	71	32	50	2	2.2	1.3	1.7	7.1	96	85	59	0	1	3	1
MAINE. Caribou	17	3	27	-6	10	0	.3	.2	.2	4.7	112	68	37	0	7	3	0
Portland	38	8	33	0	18	-3	.6	.2	.6	3.5	52	79	45	0	7	2	0
MD. Baltimore	39	24	44	17	32	-2	.3	.3	.3	3.5	63	66	44	0	7	3	1
MASS. Bostpn	32	21	37	16	27	-2	.1	.1	.1	2.1	30	56	37	0	7	1	0
Chatham	35	22	41	16	28	-1	.5	.7	.5	8.2	117	65	45	0	7	2	0
MICH. Alpena	24	8	34	-2	16	-1	.3	.1	.1	3.0	91	-	-	0	7	3	0
Detroit	27	11	41	3	19	-5	.1	.3	.1	2.9	76	85	58	0	7	4	0
Flint	26	10	40	2	18	-4	.1	.3	.1	3.4	106	90	59	0	7	2	0
Grand Rapids	28	13	40	5	21	-2	.2	.2	.1	4.5	122	93	61	0	7	4	0
Houghton Lake	23	6	37	-7	15	-2	.4	.1	.2	3.4	106	81	56	0	7	5	0
Lansing	26	9	39	-1	17	-5	.2	.2	.1	3.0	86	86	57	0	7	5	0
Marquette	15	0	24	-9	8	-10	.5	.1	.3	4.1	124	86	78	0	7	6	0
Muskegon	24	17	36	11	20	-3	.3	.2	.1	4.8	112	82	66	0	7	4	0
S. Ste. Marie	18	2	29	-11	10	-3	.3	.1	.1	5.6	147	67	74	0	7	3	0
MINN. Duluth	10	-6	26	-18	2	-6	.1	.1	T	1.6	64	70	56	0	7	1	0
Internatl. Falls	8	-13	29	-25	-3	-4	.1	.1	.1	1.3	81	66	50	0	7	4	0
Minneapolis	18	0	35	-14	9	-3	.2	.1	.1	1.2	86	73	55	0	7	2	0
Rochester	18	1	36	-11	10	-3	.1	0	.1	1.9	173	84	67	0	7	3	0
St. Cloud	14	-6	33	-19	4	-5	.2	0	.1	1.4	108	79	-	0	7	3	0
MISS. Jackson	57	40	65	28	48	1	3.0	2.0	2.1	11.2	129	88	65	0	2	3	2
Meridian	58	42	64	30	50	3	3.2	2.3	2.2	9.6	108	84	57	0	2	4	1
MO. Columbia	36	23	53	14	30	0	.1	.3	T	1.8	56	79	53	0	7	2	0
Kansas City	36	24	54	11	30	3	.1	.2	.1	1.3	48	75	49	0	6	3	0
St. Louis	38	24	56	18	31	-1	T	.4	T	2.3	68	79	63	0	7	0	0
Springfield	45	29	67	20	37	4	.1	.3	.1	2.1	54	79	50	0	4	1	0
MONT. Billings	28	12	51	-12	20	-2	.1	.1	.1	1.2	109	69	45	0	7	1	0
Glasgow	20	3	42	-13	12	3	.1	0	T	.5	63	78	65	0	7	2	0
Great Falls	28	8	49	-22	18	-4	.1	.1	T	1.0	71	62	43	0	6	3	0
Havre	25	11	50	-13	18	7	.1	0	T	.6	75	77	48	0	6	2	0
Helena	26	5	46	-12	16	-2	T	.1	T	1.3	163	71	41	0	7	0	0
Kalispell	20	0	42	-26	10	-9	T	.4	T	3.1	103	68	46	0	7	1	0
Miles City	26	10	45	-15	18	3	T	.1	T	.5	63	77	57	0	6	0	0
Missoula	25	8	46	-6	17	-4	T	.3	T	2.6	113	53	50	0	7	0	0
NEBR. Grand Island	33	14	53	-2	24	1	.1	0	.1	1.2	150	74	49	0	7	2	0
Lincoln	32	16	45	3	24	2	.1	0	.1	1.4	140	79	59	0	7	2	0
Norfolk	33	14	51	1	24	4	T	.1	T	.7	78	76	46	0	6	2	0
N. Platte	35	12	57	-1	24	0	.2	.1	.1	.8	100	70	43	0	7	3	0
Omaha	29	18	47	2	23	1	T	.2	T	.7	64	81	54	0	6	0	0
Valentine	33	12	53	-8	23	2	T	.1	T	.1	13	77	40	0	6	0	0
NEV. Ely	41	14	48	7	28	4	0	.1	0	1.1	110	77	45	0	7	0	0
Las Vegas	60	36	66	32	48	3	0	.1	0	1.2	150	66	29	0	1	0	0
Reno	50	22	56	20	36	3	.1	.2	T	4.7	214	80	34	0	7	1	0
Winnemucca	43	19	49	13	31	2	T	.2	T	2.2	138	75	45	0	7	1	0
N.H. Concord	27	6	32	-2	17	-3	.2	.4	.2	2.4	45	70	39	0	7	1	0
N.J. Atlantic City	37	19	44	16	28	-4	.4	.4	.3	4.9	72	73	47	0	7	2	0
Trenton	35	25	42	19	30	-2	.2	.4	.2	4.1	76	--	--	0	7	1	0
N.MEX. Albuquerque	53	25	59	21	39	3	T	.1	T	1.7	213	77	26	0	7	0	0
Roswell	36	17	48	0	27	-12	.5	.4	.3	1.1	138	--	--	0	7	2	0
N.Y. Albany	30	13	38	4	21	0	.1	.4	.1	1.5	33	78	40	0	7	2	0
Binghamton	26	14	33	8	20	-2	.2	.3	.1	2.9	62	74	55	0	7	6	0
Buffalo	28	19	35	10	23	0	.2	.5	.1	4.3	83	60	60	0	7	4	0
New York	35	26	42	21	30	-2	.1	.5	.1	4.6	79	58	47	0	6	1	0
Rochester	27	17	35	8	22	-2	.2	.3	.1	3.8	90	88	65	0	7	3	0
Syracuse	29	16	37	5	22	-1	.8	.2	.3	3.0	59	83	63	0	7	5	0
N.C. Asheville	52	33	59	25	43	5	.1	.7	.1	3.7	58	84	46	0	3	1	0
Charlotte	52	36	57	23	44	1	.5	.3	.6	5.8	91	78	47	0	2	3	1
Greensboro	50	32	56	20	41	2	.7	.1	.6	4.9	86	74	44	0	3	2	1
Hatteras	55	39	62	32	47	2	1.2	.2	.5	12.2	152	74	61	0	1	4	1
Raleigh	53	34	60	21	43	2	1.1	.3	.8	4.9	86	82	58	0	3	3	1
Wilmington	58	41	67	28	49	2	1.0	.3	.5	5.8	98	78	53	0	1	4	1
N.DAK. Bismarck	23	3	41	-13	13	5	.1	0	.1	1.1	138	71	58	0	7	3	0
Fargo	14	-8	34	-21	3	-3	.2	.1	.1	1.8	225	67	50	0	7	4	0
Williston	22	0	43	-18	11	3	T	.1	T	.7	88	80	61	0	7	1	0
OHIO. Akron-Canton	31	15	39	7	23	-3	.2	.4	.1	3.4	74	83	50	0	7	4	0
Cincinnati	38	21	48	11	29	-2	.2	.6	.1	5.0	88	84	59	0	7	2	0
Cleveland	29	13	37	3	21	-6	.4	.2	.1	5.1	113	88	60	0	7	3	0
Columbus	34	20	40	12	27	-2	.2	.4	.2	3.4	72	77	57	0	7	3	0
Dayton	34	15	39	0	24	-4	.3	.3	.2	4.4	100	87	58	0	7	4	0
Toledo	27	10	38	-1	19	-6	.2	.2	.1	3.1	79	89	60	0	7	4	0
Youngstown	28	14	36	5	21	-4	.2	.5	.1	5.3	104	80	56	0	7	4	0

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending Jan. 27, 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 . . .	46	29	64	18	38	0	.1	-.2	.1	4.2	191	77	47	0	4	1	0
Tulsa . . .	48	31	72	20	39	2	.1	-.3	.1	2.5	83	78	52	0	4	1	0
OREG.Astoria . . .	46	32	54	20	39	-2	0	0	0	17.6	95	84	54	0	2	0	0
Burns . . .	32	16	44	0	24	-2	T	T	T	2.9	91	89	61	0	7	0	0
Medford . . .	49	24	57	21	36	-1	T	T	T	4.2	66	89	52	0	7	1	0
Pendleton . . .	27	18	40	0	23	-10	.2	-.2	.1	2.9	94	88	72	0	7	2	0
Portland . . .	41	26	47	19	34	-5	T	-1.3	T	13.8	128	81	50	0	6	1	0
Salem . . .	43	23	49	15	33	-6	0	0	0	11.8	95	86	50	0	7	0	0
PA.Allentown . . .	34	22	40	17	28	0	T	-.7	T	3.3	55	68	46	0	7	0	0
Erie . . .	27	19	34	11	23	-4	.2	-.4	.1	6.2	127	77	47	0	7	5	0
Harrisburg . . .	36	20	42	15	28	-2	.1	-.5	T	2.4	47	69	47	0	7	2	0
Philadelphia . . .	35	23	41	19	29	-3	.2	-.4	.2	4.1	75	64	39	0	7	1	0
Pittsburgh . . .	32	16	38	5	24	-5	.3	-.3	.1	3.8	79	66	43	0	7	3	0
Scranton . . .	31	18	37	14	25	-1	T	-.4	T	2.1	51	64	44	0	7	1	0
R.I.Providence . . .	34	20	40	13	27	-1	.3	-.5	.3	3.3	48	55	35	0	7	1	0
S.C.Charleston . . .	58	41	64	30	50	1	1.8	1.2	1.0	7.2	133	84	54	0	1	4	2
Columbia . . .	55	38	59	27	46	0	1.2	.4	.5	5.6	89	81	56	0	3	4	0
Greenville . . .	54	39	59	25	46	3	.4	-.5	.3	5.3	73	77	46	0	2	2	0
S.DAK.Aberdeen . . .	23	7	44	-10	15	6	.1	0	T	.6	75	73	50	0	7	2	0
Huron . . .	33	9	47	-7	21	9	T	-.1	T	.1	13	72	45	0	6	0	0
Rapid City . . .	33	14	56	-8	23	2	T	-.1	T	.1	13	73	43	0	6	2	0
Sioux Falls . . .	30	9	46	-6	20	6	T	-.1	T	.00	0	81	53	0	7	1	0
TENN.Chattanooga . . .	50	37	57	27	43	3	1.1	-.2	1.1	5.3	55	75	53	0	2	1	1
Knoxville . . .	51	38	55	29	44	3	1.7	.6	1.7	6.9	82	74	48	0	2	1	1
Memphis . . .	49	35	64	23	42	1	.7	-.4	.4	7.4	84	77	58	0	2	3	0
Nashville . . .	49	34	62	25	42	3	.6	-.5	.6	7.6	90	73	47	0	3	2	1
TEX.Abilene . . .	48	32	64	22	40	-4	.7	-.4	.6	3.4	189	79	52	0	3	2	1
Amarillo . . .	41	21	59	9	31	-5	T	-.1	T	.8	73	80	53	0	7	1	0
Austin . . .	58	41	71	33	49	-1	.5	0	.3	4.2	111	81	37	0	0	2	0
Beaumont . . .	62	47	69	37	55	3	1.7	-.8	1.2	6.8	86	90	66	0	0	3	1
Brownsville . . .	70	51	79	42	60	0	.1	-.3	.1	1.9	76	84	49	0	0	2	0
Corpus Christi . . .	67	48	75	35	57	-1	1.1	-.7	1.0	2.2	73	88	60	0	0	2	1
Del Rio . . .	61	40	77	32	50	-1	.1	-.1	.1	1.0	--	79	39	0	1	1	0
El Paso . . .	56	31	61	17	44	-1	.2	.1	.2	.4	50	67	32	0	4	2	0
Fort Worth . . .	52	37	68	29	44	-1	1.8	1.3	1.1	4.9	148	77	52	0	2	2	2
Galveston . . .	60	50	67	41	55	1	1.3	.7	.8	7.9	134	78	73	0	0	3	1
Houston . . .	63	47	76	36	55	3	3.0	2.2	1.9	10.1	146	88	61	0	0	2	2
Lubbock . . .	44	26	58	18	35	-4	.4	-.3	.3	1.9	238	95	61	0	6	1	0
Midland . . .	50	28	63	23	39	-5	.3	.2	.3	3.3	413	84	47	0	5	2	0
San Angelo . . .	52	32	67	24	42	-5	.6	.4	.6	3.4	262	81	49	0	4	2	1
San Antonio . . .	61	39	79	31	50	-1	.2	-.2	.1	3.6	124	84	42	0	2	2	0
Victoria . . .	63	44	77	37	54	0	1.1	.7	1.1	6.5	197	85	52	0	0	2	1
Waco . . .	54	37	66	31	45	-2	1.4	-.9	1.0	6.4	183	84	55	0	2	2	1
Wichita Falls . . .	49	31	70	23	40	-2	.6	-.4	.6	3.7	176	77	54	0	4	1	1
UTAH.Blanding . . .	43	19	45	13	31	3	0	0	0	3.9	170	88	47	0	7	0	0
Salt Lake City . . .	38	24	43	20	31	3	.3	0	.3	2.8	112	86	57	0	7	1	0
VT.Burlington . . .	24	8	34	-4	16	0	.1	-.3	.1	2.1	58	64	42	0	7	2	0
VA.Lynchburg . . .	46	28	54	16	37	0	.5	-.1	.5	5.3	98	68	--	0	5	1	1
Norfolk . . .	48	33	59	26	41	1	.7	-.1	.4	5.2	88	69	50	0	2	2	0
Richmond . . .	50	31	62	22	41	3	.6	-.1	.5	7.6	141	84	42	0	4	2	0
Roanoke . . .	49	29	58	20	39	2	.3	-.3	.3	4.7	90	71	37	0	4	1	0
WASH.Colville . . .	26	15	31	6	20	-4	0	0	0	3.6	92	--	--	0	7	0	0
Omak . . .	24	5	33	-7	14	-9	T	-.3	T	2.7	87	75	53	0	7	0	0
Quillayute . . .	45	28	54	19	37	-2	T	-3.2	T	31.9	116	77	45	0	5	1	0
Seattle-Tacoma . . .	41	28	48	19	35	-4	.1	-1.2	0	12.7	121	68	52	0	6	0	0
Spokane . . .	25	14	31	1	19	-7	T	-.6	T	3.4	74	76	47	0	7	0	0
Walla Walla . . .	27	23	30	10	25	-9	T	-.4	T	2.7	73	87	71	0	7	0	0
Yakima . . .	27	12	33	-8	20	-9	T	-.3	T	3.1	135	75	58	0	7	1	0
W.VA.Beckley . . .	39	23	46	11	31	-1	.8	0	.5	4.2	67	87	58	0	7	3	1
Charleston . . .	41	27	47	18	34	-1	.6	-.2	.3	5.1	84	83	55	0	6	4	0
Huntington . . .	42	27	51	18	35	0	.3	-.4	.2	4.7	85	69	47	0	5	2	0
Parkersburg . . .	39	25	46	15	32	-1	.4	-.3	.3	3.3	63	76	54	0	6	2	0
WISC.Green Bay . . .	20	4	37	-4	12	-3	.1	-.1	.1	3.3	157	85	54	0	7	4	0
La Crosse . . .	20	6	32	-9	13	-3	.1	-.1	.1	1.8	106	89	56	0	7	1	0
Madison . . .	20	4	31	-5	12	-5	.1	-.2	.1	2.8	108	78	54	0	7	1	0
Milwaukee . . .	22	7	34	-3	15	-5	.2	-.2	.2	3.9	122	75	62	0	7	3	0
WYO.Casper . . .	23	2	45	-26	13	-11	.3	.2	.2	1.2	150	85	45	0	7	3	0
Cheyenne . . .	26	9	46	-17	17	-10	1.6	1.5	1.2	3.8	475	68	41	0	7	3	1
Lander . . .	24	-2	51	-17	11	-9	.3	.2	.2	2.2	275	91	48	0	7	4	0
Sheridan . . .	28	9	52	-20	19	-3	.2	-.1	.2	.8	89	80	44	0	6	3	0
P.R.San Juan . . .	84	71	86	70	79	3	.1	-.7	T	5.4	71	93	62	0	0	2	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: Wet, mild; temperatures 3° above normal. Rain totals well above normal; few areas under 1.00 in.

Fieldwork: 1.3 days suitable. Soil moisture surplus. Pastures fair, graze short. Stored feed adequate. Wheat good, livestock mostly good.

ARIZONA: Mostly fair except scattered showers eastern two-thirds. Temperatures 1° below normal to 5° above.

Cotton stalk shredding, plowdown in progress. Small grain land preparation well advanced. Established plantings good progress; early plantings jointing. Planting safflower continued. Sugarbeets good progress. Some areas first cutting alfalfa. Harvest lettuce, mixed vegetables resumed. Land preparation underway spring, summer vegetables, melons. Vegetables for winter, spring harvest good progress. Harvest Navels, sweet oranges, lemons, tangerines, grapefruit good progress. Valencia oranges, some tangerines making good progress. Fuel supplies mostly adequate. Recent rain, snow northern portion significantly improved soil moisture. Southern rangeland poor condition, below average feed, water. Cattle, calves fair condition.

ARKANSAS: Temperatures ranged slightly above normal, but cold snap pushed minimum temperatures into teens at midweek. Rain first of week with 2.00 to 3.00 in. over southern half and less than 0.25 in. northern half. Highest normal 46°, lowest 37°. Highest mean 49°, lowest 39°. Highest temperature 73°, lowest 16°. Most rainfall 3.47 in., least 0.02 in.

Cattle condition good. Some grazing of small grains in southwest. Cattle on full feed northwest and supplemental feeding elsewhere. No field activity.

CALIFORNIA: Very stagnant weather conditions. Many valley areas plagued by persistent dense fog with little or no afternoon breakup. Temperatures reflected this as foggy areas showed temperatures below normal while elsewhere temperatures near or above normal.

Fieldwork very limited due to wet field conditions. Delta flood threat high, heavy runoff, high tides, and earthquakes causing problems. Winter grains in good condition, except fields with poor drainage turning yellow. Herbicide applications continued. Recently planted sugarbeets and alfalfa good condition. Pruning, dormant spraying active. Some orchard flooding. Navel orange harvest normal. Navels, lemons, tangelos, tangerines packed. Navel orange drop reported Central Valley. Artichoke harvest increasing. Asparagus cutting increasing desert, started Orange County. Broccoli, cauliflower harvest light central coast due storm damage; harvest continued south. Celery harvest active south coast, though slowed by rains some areas. Lettuce harvest active Imperial Valley. Potato movement from storage active north. Light digging Kern, Riverside Counties. First strawberry picking started south coast. Recent rains beneficial growth rangeland grasses. Some supplemental feeding necessary until new grass gains strength. Livestock good condition. Sheep continue graze alfalfa stubble fields San Joaquin Valley. Farm fuel supplies adequate.

COLORADO: Clear to partly cloudy skies with light snow in mountains early week. By midweek, chinook winds developed along eastern slope with temperatures in 40's and 50's east, 30's to 40's western valleys. On 25th arctic air moved southward across east prompting blizzard warnings. Winds 40 to 60 mph with considerable blowing and snow drifting. Snow amounts reached 4 to 8 in. northeast with 10 in. northern mountains. By 26th and 27th cold air gripped east with temperatures zero to teens east and north but mild 40's southwest.

FLORIDA: Dry and mild early week. Showers with cold front on 23d with amounts of 0.50 to 1.00 in. Dry, cool 24th with scattered frost east central Peninsula and Lake Okeechobee areas 25th. Significant precipitation with another cool front 26th, 27th. Rainfall during week averaged 1.50 to 2.00 in. north, central with 2.00 to 4.00 in. south. Temperatures averaged near normal.

Soil moisture mostly adequate; a few wet spots in low areas following recent rains. Sugarcane harvest very active, crop in good to excellent condition. Small grains mostly good condition. Warm weather caused some problems in wheat. Tobacco plantbeds fair to good condition. Land preparation, lime and fertilizer application increasing. Fuel supplies mostly adequate; a little short north and west. Permanent pasture good to excellent south, poor to fair elsewhere. Winter annual pastures providing good grazing. Supplemental feeding active. Cattle mostly good condition. Citrus grove condition excellent. Moisture generally adequate. Some orange droppage excessive. Orange harvest for processing rapid. Grapefruit harvest steady. Cold front moved through vegetable growing areas midweek. Front preceded by strong winds, heavy rains. Rain 1.00 or more some locations. Nighttime lows high 30's some colder locations, high 40's warmer areas. Daytime readings generally in 60's, 70's. Wind gusts of 45 mph reported. Warming trend set in shortly after front passed and temperatures back to normal by end of week. Overall crop conditions fair to mostly good. Strong winds, rains caused fruit scarring, cracking, whipped plants, but damage minimal. Planting very active but delayed somewhat due to adverse weather. Harvest active; overall shipments down 4% from previous week. Cauliflower, strawberries increased considerably while shipments carrots, okra increased. Holding steady volume were snap beans, cabbage, celery, chinese cabbage, cucumbers, eggplant, escarole, peppers, radishes, squash. Sweet corn, lettuce, parsley, tomato supplies decreased. Watermelon crop condition, stands mostly good. Light spot replanting necessary some fields. Potato crop making good progress.

GEORGIA: Temperatures averaged 3 to 5° above normal with mid-40's north to mid-50's south. Rainfall totaled 1.00 to 2.00 in. north except locally less than 0.50 in. mountains to near 1.00 in. central and 1.00 to 3.00 in. south.

Soil moisture surplus. Wet conditions continue to limit field activities; some activity in south. Small grains fair to mostly good. Pastures fair north to mostly good central and south. Cattle good. Tobacco plants fair to mostly good.

HAWAII: Weather cool. Showers light, falling mainly during early week.

Salvage operations complete most crops damaged by storm of January 8 to 18. Quality, yield still low. Spraying for disease, insect frequent. Few low-lying areas continue soggy from storm rains. Vegetable supplies light for most items. Banana supplies low. Salvaging cleaning completed most orchards. Cool weather retarding papayas ripening. Less disease incidence Puna district, Island Hawaii because of drier weather compared to past years. Pineapple harvesting down. Sugar harvesting light. Pastures generally fair to good. Rains improved conditions in some areas. Fuel supplies erratic for some because strike not resolved.

IDAHO: Below normal temperatures averaged in low 30's. Precipitation below normal. South central and eastern areas receiving most. Low clouds and fog blanketed most of valleys latter part of week.

Routine maintenance; fieldwork minimal on snow-covered lands. Bulk of labor in livestock management. Calving progressing, cattle on winter feed. Cattle market activity picking up. Lambing intensified, some losses to disease. Feed supplies adequate, hay hauled into some areas.

ILLINOIS: Temperatures 1 to 7° below normal most areas, 2° above normal extreme south. Precipitation trace to 0.20 in., 1 to 2 in. snow north.

Winter wheat mostly good condition, some snow-cover north. Livestock good condition, supplemental feeding increasing, disease and losses minimal. Main activities: Caring for livestock, hauling grain, repairing machinery, general farm chores.

INDIANA: Seasonal temperatures ranging from 5 to 48°. Precipitation trace to 0.20 in. Snowcover 1 to 4 in. Soils frozen 1 in. south to about 8 in. north. Sunshine 42% of possible.

Fieldwork mostly limited to hauling manure and spreading fertilizer. Other activities: Building and equipment maintenance, caring for livestock, usual chores.

IOWA: Dry with near-seasonal temperatures. Precipitation averaged about 0.10 in. east and little or none west. Little or no snowcover. Temperatures averaged a few degrees subnormal northeast to a few degrees above normal southwest and west.

KANSAS: Heavy rainfall early; about 1.00 to 2.00 in. south and east. Heavy snowfall from 4 to 13 in. limited to northwest. Normal temperatures early warmed to near record highs by midweek. Late passing cold front dropped temperatures to coldest this winter.

Moist soil reduced threat of blowing wheat with very limited additional damage. Soft fields halted wheat pasturing. Amount of solid ground cover ranged from 10 to 50%.

KENTUCKY: Temperatures normal. Little if any precipitation.

Pleasant winter weather. No snowcover allowing maximum utilization of winter pasture and other field feed. Burley sales in wind-up stage with many markets closing. Livestock in generally good condition.

LOUISIANA: Temperatures 2 to 3° above normal. Extremes: 75 and 28°. Statewide rain.

Activities: Routine chores and caring for livestock.

MARYLAND & DELAWARE: Temperatures averaged near normal. Highs in low 40's and lows in upper 20's.

Precipitation light, averaging around 0.50 in. except 1.50 in. Eastern Shore. Weekend fair with seasonable temperatures.

MICHIGAN: Temperatures averaged 3 to 7° below normal southeast Lower and western Upper and normal elsewhere. Above normal temperatures early week, cold remainder of week. Precipitation less than 0.20 in. southeast and 0.20 to 0.40 in. west and most of north Lower with 1.10 in. extreme north. Over Upper amounts ranged from less than 0.10 in. west to 0.50 in. near Lake Superior with 1.80 in. over Keweenaw Peninsula. Frequent snow and snow showers. Snow depth ranged from 4 to 6 in. near Lake Michigan, 2 to 4 in. elsewhere over western and northern Lower and 1 in. or less over southeast Lower Peninsula.

Main activities: Farm chores and feeding livestock.

MINNESOTA: Temperatures averaged 5° above normal southwest, 5° below normal most of north and east. Extremes: 43 and -25°. Precipitation averaged 0.25 in. below normal extreme northeast and near normal elsewhere. Precipitation totals ranged from trace to 0.28 in. Snowfall all this week; 4 to 6 in. central, less than 1 in. southwest and extreme northeast. Snow depth 12 to 18 in. north central and northeast; 2 to 6 in. northwest, central and southeast, less than 1 in. southwest.

MISSISSIPPI: Temperatures few degrees above normal. Rain statewide. Cloudy conditions prevailed with sun shining less than 20% of possible.

Soil moisture surplus to adequate. Fieldwork: 1.7 days suitable. Mild weather brought on some greening of winter pastures. Wheat, livestock, pasture conditions generally fair to good. Hay and roughage supplies adequate. Feed grain supplies adequate to short.

MISSOURI: Temperatures averaged 3 to 6° above normal. Precipitation general but light, averaging 0.10 in. or less east, 0.30 in. west. Most precipitation early week with some measurable snow.

MONTANA: Generally dry weather except extreme south. Some areas moderate to heavy snowfall. Cold air trapped in valleys of west and southwest held temperatures to 5° below average. East had temperatures from 1 to 8° above normal. Very mild temperatures early week replaced by much colder air at end of week.

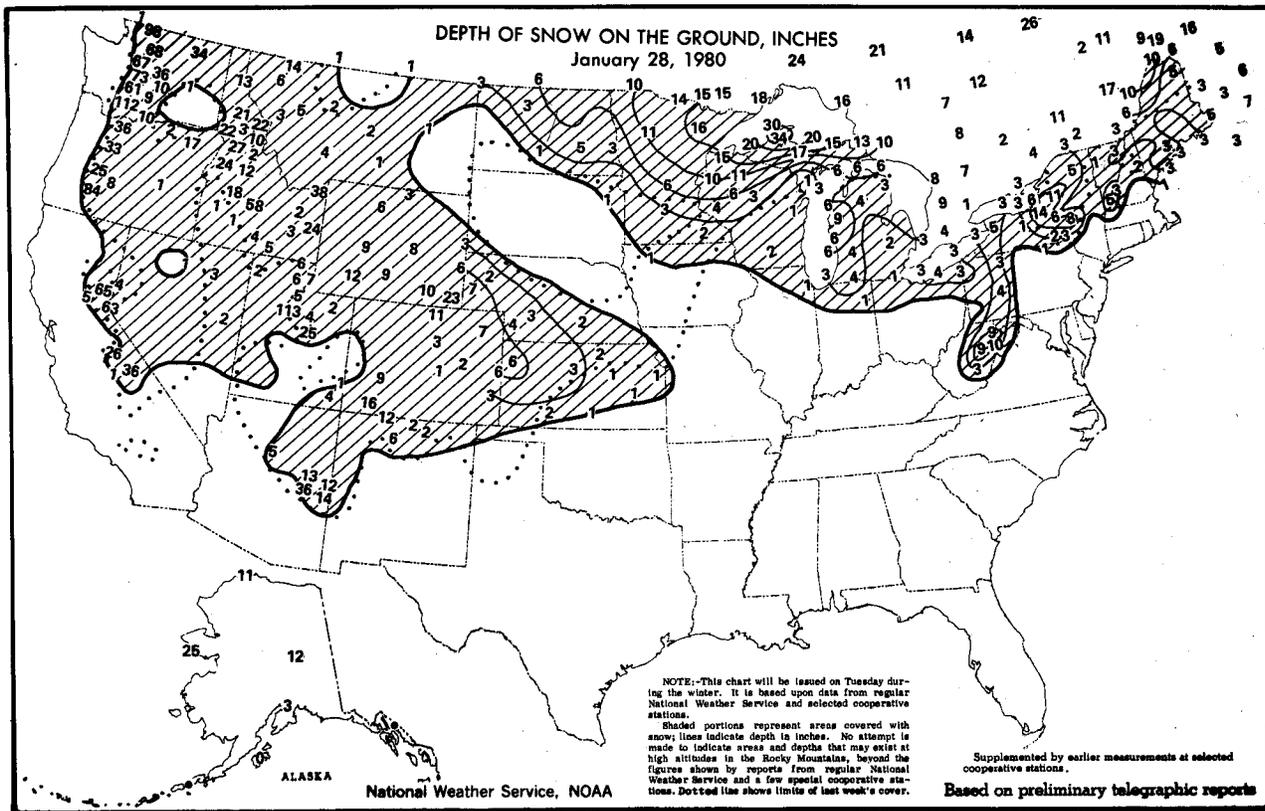
Livestock wintering well, generally good condition. Some snow but ranges mostly open. Most all cattle and sheep on supplemental feed but much less hay being used due to generally mild winter. Snowcover for winter wheat light, but condition generally fair with light to moderate wind damage.

NEBRASKA: Precipitation near 0.20 in. over Panhandle and southwest to around 0.50 in. over southeast then falling off to trace amounts along northern border. Temperatures averaged about 3° below normal in Panhandle to 2 to 5° above normal over central and east.

NEVADA: Mostly dry, warm. Storm hit late in period with widespread precipitation, mostly in form of snow. Temperatures averaged 2 to 3° above normal.

Supplemental feeding requirements increased with inclement weather. Livestock mostly good condition.

NEW ENGLAND: Normal temperatures early week. Above normal readings on 23d followed by readings of 5 to 10° below normal on 25th. Readings moderated by weekend. Precipitation 0.25 in. on 22d.



Scattered snow flurries over northern regions rest of week.

NEW JERSEY: Temperatures 1 to 2° below normal averaging 27° north, 31° south, 34° coastal. Extremes: -1 and 46°. Precipitation below normal averaging 0.05 in. north, 0.31 in. south, and 0.49 in. coastal.

Farmers caring for livestock and tending to other normal winter chores.

NEW MEXICO: Considerable cloudiness. Showers began south 21st evening and changed to snow overnight. Snowcover 3 to 6 in. most areas south of Highway 60 and Rio Grande Valley eastward 22d morning. Precipitation totals 0.50 to 0.75 in. this section. Elsewhere little precipitation.

Winter wheat and barley good condition; 70% of irrigated acreage being grazed. Limited planting lettuce about through. Ranges and livestock fair to good depending on moisture. Rain and snow will help moisture supply.

NEW YORK: Northwest flow of arctic air caused snowfall in snowbelt areas to lee of lakes. Ground snow ranged from none southeast to 5 to 6 in. in Adirondacks and up to 11 in. in Tug Hill area. Most areas experienced well below normal precipitation. Average temperatures ranged from near to 5° below normal with readings from 10° in north to 30° on Long Island.

NORTH CAROLINA: Temperatures 3 to 5° above normal. Precipitation near normal.

Fieldwork: 2.5 days suitable. Soil moisture adequate to surplus. Condition of wheat, oats, barley, rye fair to mostly good; pastures fair to good. Supplies of hay, roughage, feed grains most-

ly adequate. Major activities: Tending livestock, repairing farm machinery, general farm maintenance.

NORTH DAKOTA: East cold; west mild until 24th. Temperatures averaged 1 to 4° below normal east and 2 to 6° above normal west. Extremes: -26° west central to 47° southwest. Rather windy. Most precipitation 0.22 in. northwest. No major storms.

Livestock good condition. Lower temperatures increased feed demands but supplies adequate. Snowcover light.

OHIO: Temperatures ranged from 51° south to 0° northwest. Average temperatures 4° below normal north and central third and normal southern third. Precipitation 0.20 in., 0.40 in. below normal. No significant snowcover in central and south. About 1 in. snowcover northwest; 5 to 7 in. northeast.

Cow-calf operators in south continue to benefit from warm temperatures and lack of snow. Wheat fair to good. No snowcover but temperatures not cold enough to damage plants.

OKLAHOMA: Temperatures in Panhandle averaged 6 to 8° below normal. Temperatures in northeast and east central averaged 2 to 3° above normal. Temperatures elsewhere averaged from normal to 2° below normal. Precipitation statewide. Largest average 0.35 in. southeast; elsewhere less than 0.10 in. Most precipitation occurred early week.

OREGON: Temperatures near normal to 6° below normal across northern section and from 1 to 5° above normal south. Sharp temperature drop weekend. Precipitation minimal.

Soil moisture surplus west, adequate east. Winter wheat conditions mostly good. Livestock condi-

tion good. Feed supply available to short in some areas, available hay becoming scarce. Fuel supply generally adequate.

PENNSYLVANIA: Temperatures normal to 5° below normal. Extremes: 42 and 20°. Series of rapidly moving weather systems produced variable cloudiness and light precipitation totaling 0.30 in. or less mostly as snow that accumulated 2 to 4 in. west but only traces east.

Normal winter chores.

PUERTO RICO: Island average rainfall 0.21 in. or 0.52 in. below normal. Temperatures averaged about 73 to 76° on coasts and 71 to 73° interior. Extremes: 91 and 50°.

SOUTH CAROLINA: Wetter and warmer than usual, mostly cloudy. Extremes: 65 and 24°.

Discing crop residue, soil sampling, liming, pruning fruit trees, grape vines, harvesting greens.

SOUTH DAKOTA: Mild temperatures early week but turned cold. Average temperatures 1° subnormal to 10° above. Extremes: 57 and -18°. Precipitation light.

TENNESSEE: Temperatures averaged 1 to 2° above normal with average temperatures in low 40's. Rain every day except 24th and 27th; amounts averaged 0.75 in. west, 1.75 in. east.

Soil moisture surplus. Small grains and cattle in good condition. Not much farm activity other than regular chores.

TEXAS: Cold front spread from Panhandle across Texas first of week bringing moisture throughout State. Snow accumulated to 6 in. on High Plains while heavy rains from 2.00 to 6.00 in. common throughout East Texas, Gulf Coast. North, Central Texas received good rains but Trans-Pecos, Southern, Edwards Plateau, parts of South Texas received only light drizzle. Milder temperatures returned midweek but a strong cold front spread from Panhandle as week ended.

High Plains wheat fields mostly dormant and furnishing limited grazing. Greenbugs remain a problem throughout Blacklands. Recent moisture improved stands throughout Low Plains, South Central Texas. Oats suffered little damage from cold weather. Sugarcane harvest continued Lower Rio Grande Valley. Wheat emerged 100%. Pecans harvested 99%, 100% 1978, 100% average.

Lower Rio Grande Valley movement carrots, cabbage, cauliflower, lettuce continued good volume. Land preparation for spring crops continued. Citrus harvest continued with well over half grapefruit harvested and over two-thirds early oranges picked. Harvest Valencia oranges getting underway. Laredo, harvest broccoli, cabbage, carrots active. Harvest of spinach underway. San Antonio-Winter Garden area vegetable harvests progressed normally with movement of cabbage, carrots, lettuce, broccoli. Land preparation and planting spring vegetables active. Coastal Bend heavy rains improved planting prospects for spring cucumbers and melons. East Texas land preparation for vegetables, sweetpotatoes continued, but interrupted by rain. Trans-Pecos onions looking good at Presidio. Preparation for planting cantaloups nearly complete. Harvest of carrots continues at Pecos. High Plains land preparation underway for summer onions, potatoes. Needed rainfall interrupted progress.

Winter pastures, small grain fields benefitted from rain. Additional moisture and mild days promoted growth winter forage, boosted availability of small grain grazing. Widespread supplemental feeding continued and helped keep livestock in generally good condition.

UTAH: Series of snow storms covered northwest over weekend. Moisture generally light to moderate. Cooling trend temperatures later part period. Average temperatures ranged between 6° above and 7° below normal.

Marked improvement in moisture conditions. Farm activities limited to chores, maintaining and repairing farm equipment. Care and maintenance of livestock. Grading and marketing of onions, potatoes, apples continued.

VIRGINIA: Temperatures averaged near normal. Extremes: Lower 60's to lower teens. Rainfall averaged around 1.00 in. occurring mostly as rain except for some light snow extreme north.

Wet, muddy conditions limited outside activity. Topsoil moisture mostly surplus. Fieldwork: 0.9 day suitable. Winter grains good to excellent. Farm fuel supplies mostly adequate. Major tasks: Feed and care of livestock; calving; lambing; pruning fruit trees; marketing fire-cured and sun-cured tobacco; preparing tobacco plant beds in southern Piedmont; overseeding hay fields in north; culling cattle breeding herds in southeast.

WASHINGTON: West: Temperatures averaged 1 to 4° below normal; precipitation averaged well below normal.

Harvest of forced rhubarb and daffodil flowers continuing. Digging at certified strawberry and raspberry plants also occurring. Hay supplies adequate, but expensive.

East: Temperatures averaged 4° below normal; precipitation slightly below average.

Winter grain crops in good shape, despite lack of snowcover. Soil moisture improved, though still below normal. Pruning of fruits and grapes taking place. Calving and lambing increasing. Hay adequate.

WEST VIRGINIA: Temperatures 2° above normal, except northwest 2° below normal. Extremes: 51 and 3°. Precipitation well below normal except north central slightly above normal.

Soil moisture adequate to surplus. Fieldwork: 1.2 days suitable. Hay, grain, other feeds mostly adequate. Fuel supplies, spotty local areas, overall adequate. Calving beginning in some areas.

WISCONSIN: Temperatures below normal. Week began with highs around 30° south but dropped to teens or lower 23d as cold arctic air moved into State. North had high readings from zero to 10°, overnight lows fell below zero many nights. Weekend highs did not reach teens anywhere. Light snow of 1 to 2 in. north 21st to 22d, less than 0.50 in. south. Lake effect snow near Lake Superior accumulated to 15 in. 22d to 23d. Weak low 23d produced light fluffy snow of about 4 in. southeast and less than 1 in. north. Frost depths increased due to cold temperatures and light snowcover. Frost depths averaged 16 in. as of 25th, increase of 4 in. from two weeks earlier. Snow depths averaged only 4 in., same as two weeks earlier. North had 6 to 24 in. snowcover.

WYOMING: Temperatures started below normal then warmed to near normal midweek. Bitter cold arctic air 25th and through weekend. Maximum readings from 54 to 33°. Nighttime lows ranged from -15 to 3°. Good supply of moisture; greatest amount 1.35 in. Southeast has nearly two feet of snowcover.

Livestock mostly good condition. Snowcover and extreme cold late week increasing stress and need for supplemental feed. Winter wheat mostly good. Snowcover southeast minimizing freeze damage.

International Weather and Crop Summary

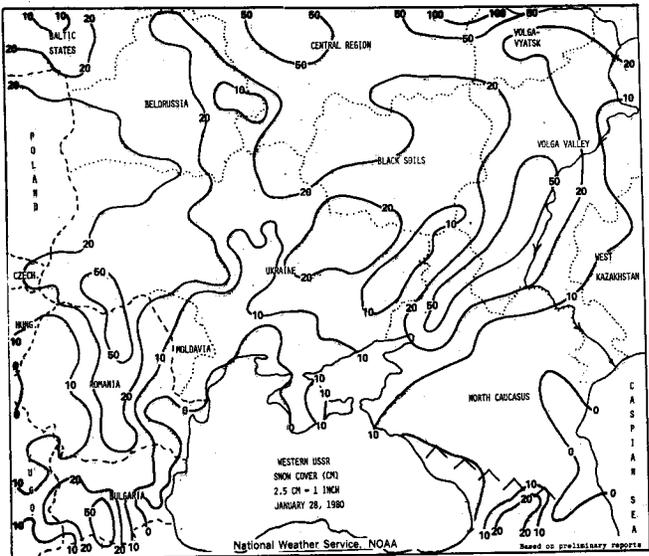
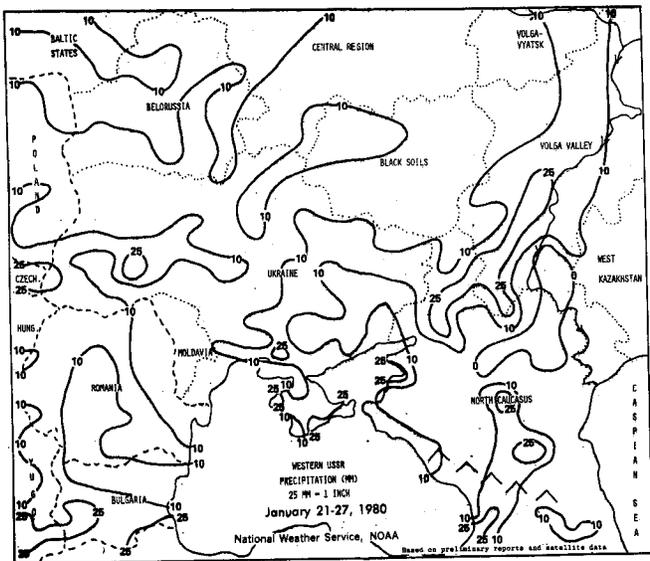
January 21 - 27

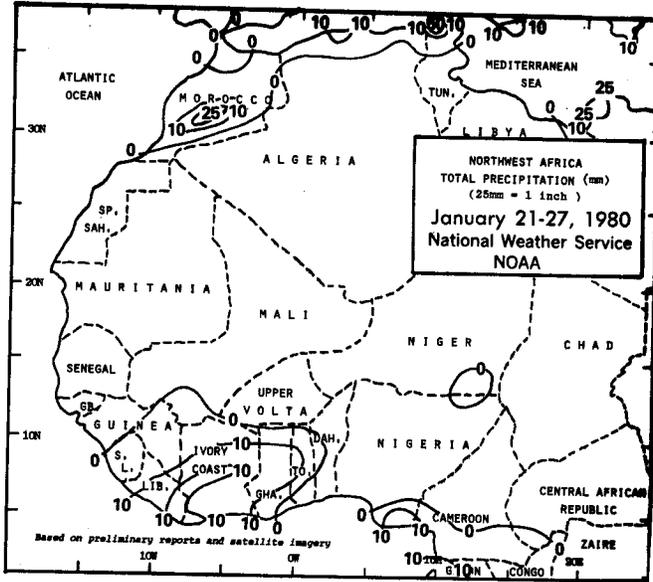
HIGHLIGHTS:

- USSR. Winter grains dormant...increased snowcover.
- EUROPE. Winter grains dormant everywhere but the south...still dry in parts of Spain.
- CHINA. Winter grains dormant everywhere but the south...good rain in the south.
- INDIA. Wheat jointing in the north*...continued dry weather.
- AUSTRALIA. Winter grain harvest complete*.
- AFRICA. Northern: winter grains jointing*...some dry areas in Algeria and Tunisia.
South: maize tasseling*...some beneficial rain in southwest.
- ARGENTINA. Some maize in tasseling stage...soil moisture inadequate.
Soybean planting season nearly over...soil moisture inadequate.
- BRAZIL. Soybeans near flowering in Rio Grande do Sul...too dry in western areas.
- MEXICO. Much vegetable harvesting...heavy rains unfavorable in central plateau, sunny in northwest.

*Based on normal crop calendar information.

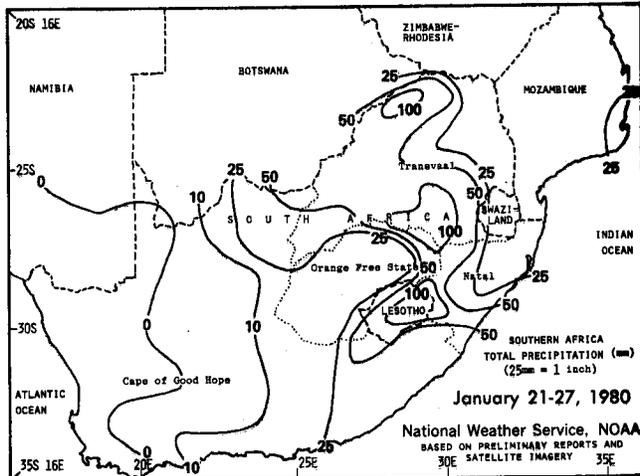
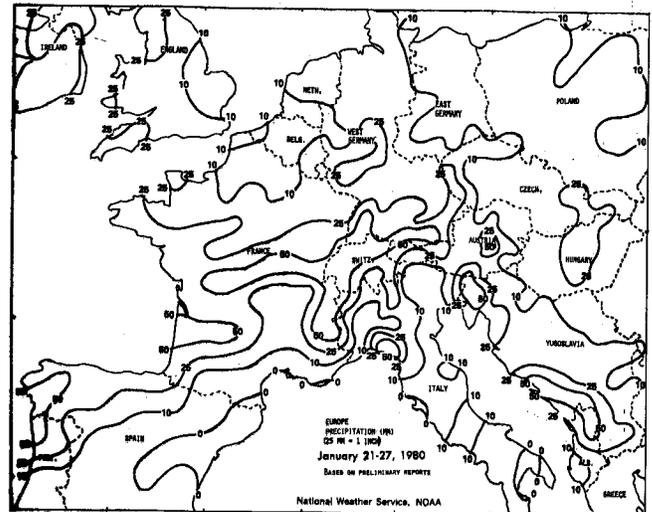
USSR. Much of the winter grain area received above-normal precipitation over the weekend. Snow depths increased by 5 to 15 cm at most locations across the northern three-fourths of the belt and by 1 to 5 cm in the south. Only a relatively small portion of the crop had less than 5 cm of snow-cover by week's end. Temperatures dipped to near-critical readings at midweek in the lower Volga Valley but probably very little damage occurred. Conditions warmed as the snow-producing system moved in from Europe.



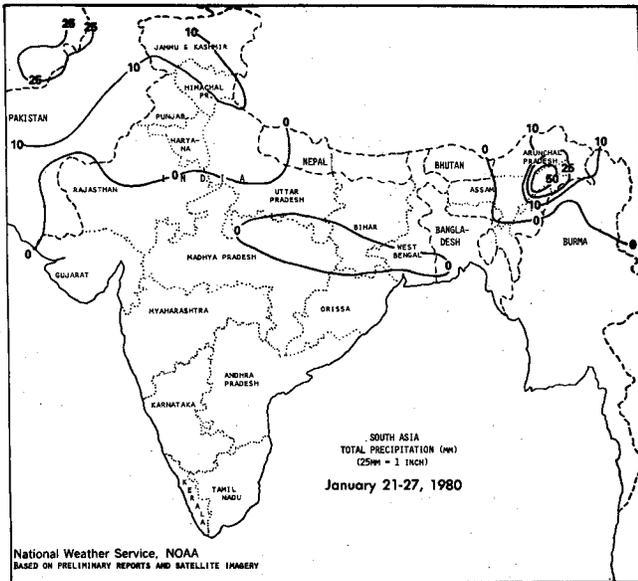


NORTHWESTERN AFRICA. Very little precipitation fell on Morocco's winter grain areas, and Algeria and Tunisia received moisture only in coastal areas. Conditions in Morocco remain good following last week's abundant precipitation, but some interior grain areas in Algeria and Tunisia are becoming too dry to maintain normal development of winter grains.

EUROPE. Abundant precipitation across much of Europe maintained good conditions for overwintering grains in most areas. Snowcover increased in northern countries before moderately colder conditions moved in at week's end. Dry conditions persisted in portions of the Iberian Peninsula, where temperatures rose high enough to permit renewed wheat growth. Severe moisture deficits probably exist only in limited areas.

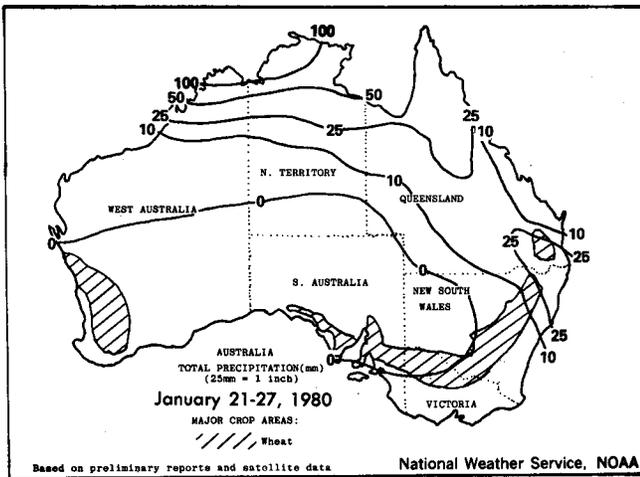
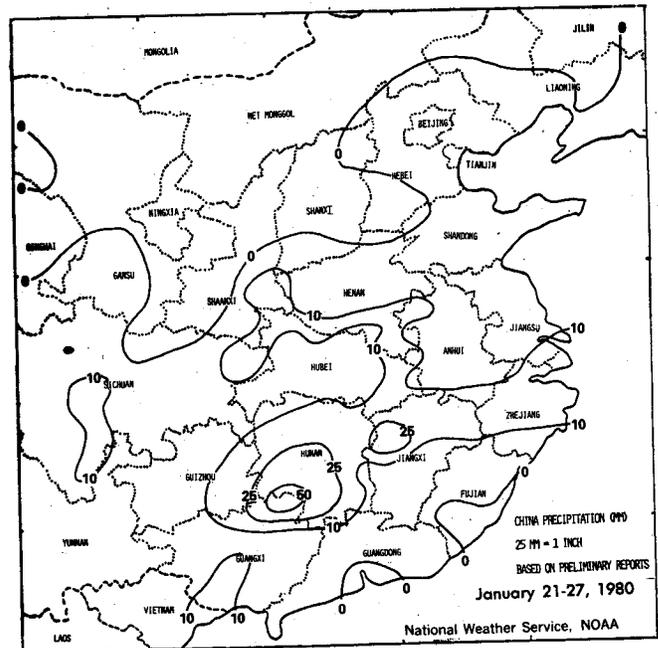


SOUTH AFRICA. Abundant rainfall in the northeastern portion of the Maize Triangle during the first half of the week may have reached excessive levels. However, maize was probably not adversely affected. In the drier southwest, near-normal rainfall maintained adequate soil moisture, and although conditions there are not ideal for maize growth, they are far better than a year ago.

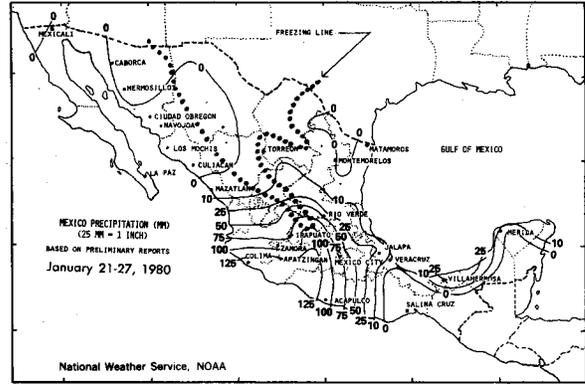
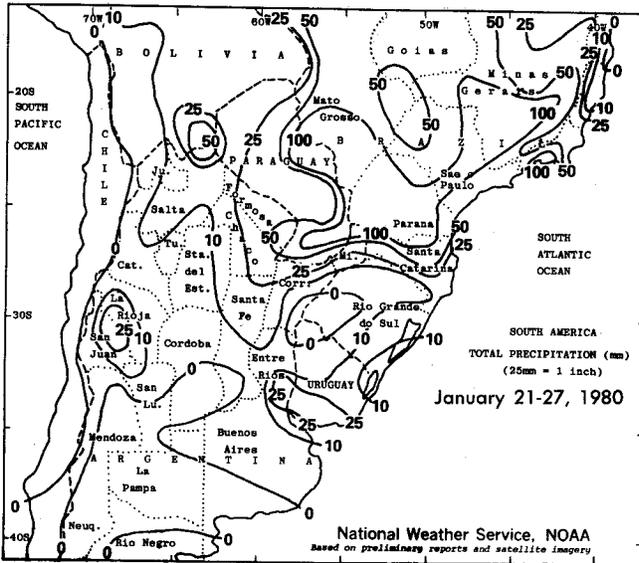


INDIA. Above-normal precipitation fell in Pakistan and Afganistan, but only scattered, light amounts of less than 10 mm reached eastward to India's wheat belt. Optimism for the crop had increased with some above-normal rainfall in November and December, but this third consecutive week of relatively dry weather may have turned the tide toward poorer growing conditions.

CHINA. Moderate, above-normal precipitation of 10 to 20 mm fell in minor winter grain areas south of the Yangtze River, with a large portion of southern Hunan receiving more than 25 mm. Light totals of 1 to 5 mm across much of the northern wheat areas ranged above normal, but wheat there remained dormant, so benefits at this time may be considered negligible. Warmer conditions in the south allowed some renewed wheat growth, with soil moisture quite adequate.



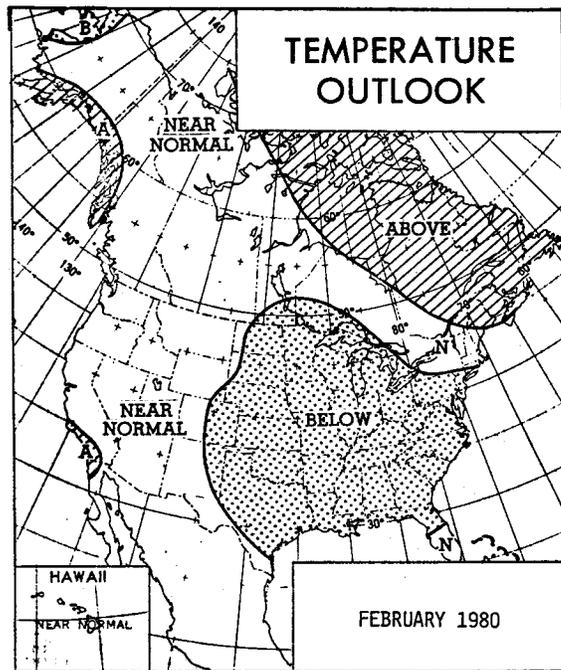
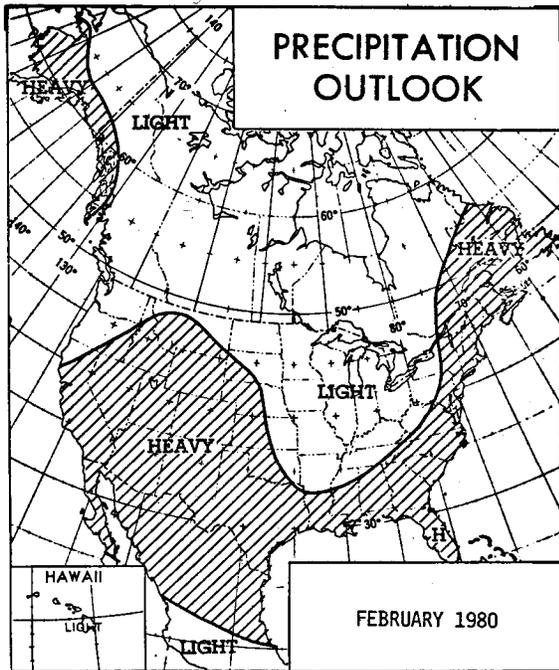
AUSTRALIA. With the winter grain harvest essentially complete in the south, major agricultural activity is now centered in the north where the summer rains have begun. Precipitation this week moved further inland, but did not penetrate as far as it normally does at this time of year. However, range and crop conditions should remain satisfactory due to abundant rainfall 3 weeks previous.



SOUTH AMERICA. No rain fell over most maize and soybean crop areas of Argentina, worsening growing conditions. A portion of the maize may still be in the tasseling stage, so stress from lack of moisture could reduce yields somewhat. Prospects for soybeans were worse, for early planted fields have not yet entered the flowering stage, and late, double-cropped fields have probably not yet even been planted. Dry conditions also persisted in western portions of Rio Grande do Sul's soybean area; stress on the plants becomes increasingly important as the flowering season approaches. Moisture conditions to the east remain adequate, and Parana soybeans continue with excellent soil moisture.

MEXICO. A weather disturbance aloft, moving north-eastward across southwestern Mexico at midweek, dumped heavy rains onto the central plateau and light to moderate amounts along the east coast. Maturing strawberries and vegetables may have been hurt by the rains, while the corn and citrus crops benefited. West coast vegetables from about 60 miles south of Culiacan northward escaped the rains, but cloudiness reduced sunlight. Reservoirs continued relatively low in the droughty northwest. Culiacan's overnight minima averaged 13°C with a relative humidity of 93 percent, while afternoon maxima averaged 28°C with a 37-percent humidity.

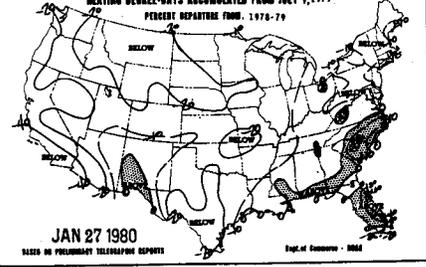
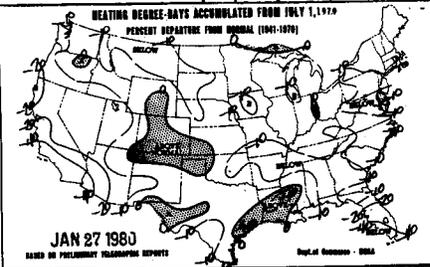
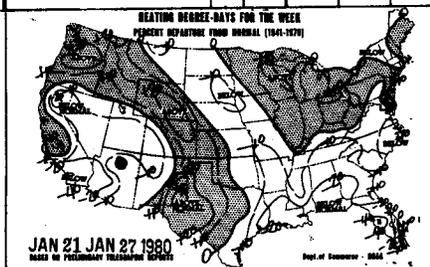
Average Monthly Weather Outlook



HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING JAN. 27, 1980.

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

Table with columns for STATES AND STATIONS, WEEKLY DEPARTURE*, SEASONAL ACCUMULATION +, and WEEKLY ACCUMULATION +. Rows list various states and cities with their respective heating degree day data.



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

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

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