

WEEKLY WEATHER AND CROP BULLETIN

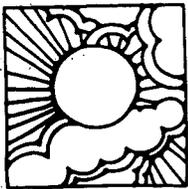
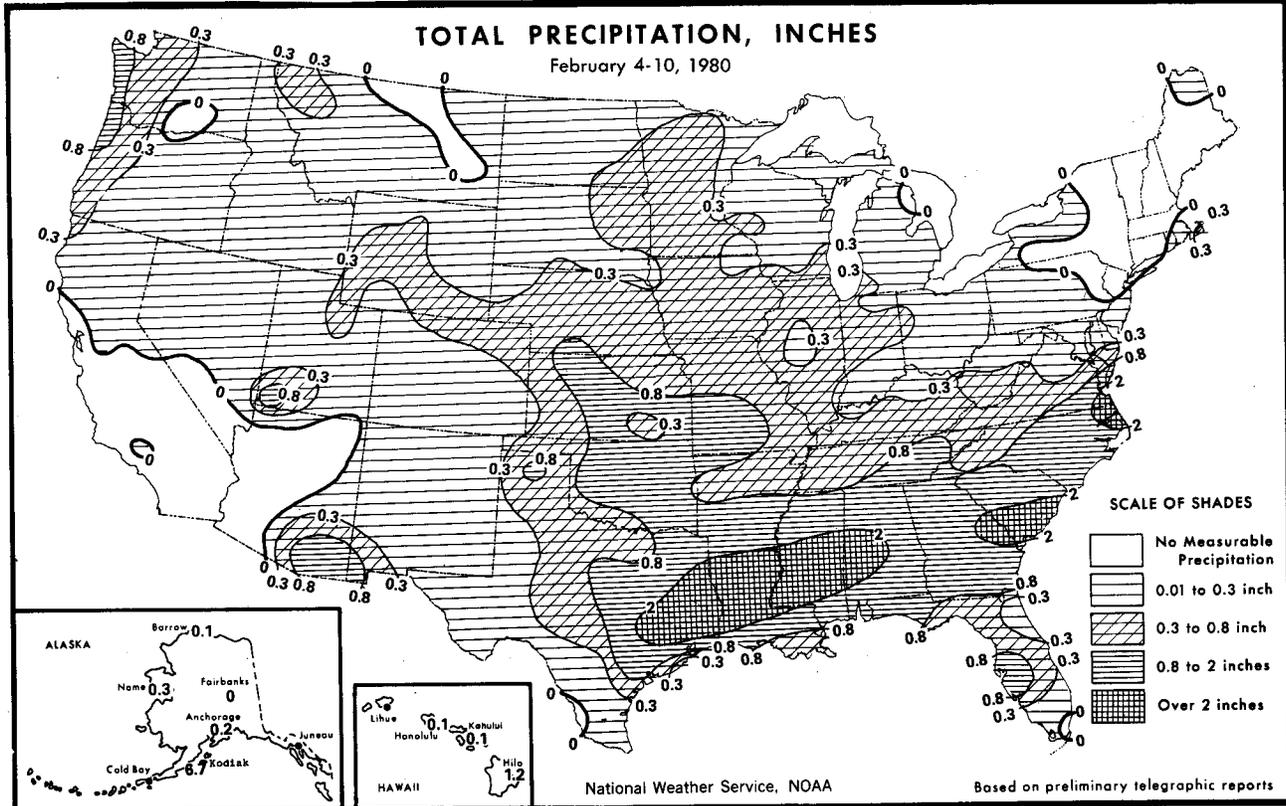
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National Weather Summary

February 4 - 10

HIGHLIGHTS: Moderate to heavy snow fell over much of the winter wheat area in the central Plains, providing welcome snowcover protection.

Record-breaking snow depths were measured in parts of Virginia and North Carolina, while rainfall was heavy from Texas to South Carolina.

Very cold air sunk deep into the Southeast. Late in the week, cold air rushed into the central Plains; average temperatures for the week ranged as much as 12 degrees below normal. The northern Plains and southern Plateau averaged warmer than normal.

On Monday, a slow-moving frontal system stretched from Canada through the east central Plains. Up to 4 inches of snow fell over portions of the Dakotas, Iowa, and Missouri. Light snow dusted the lower Great Lakes.

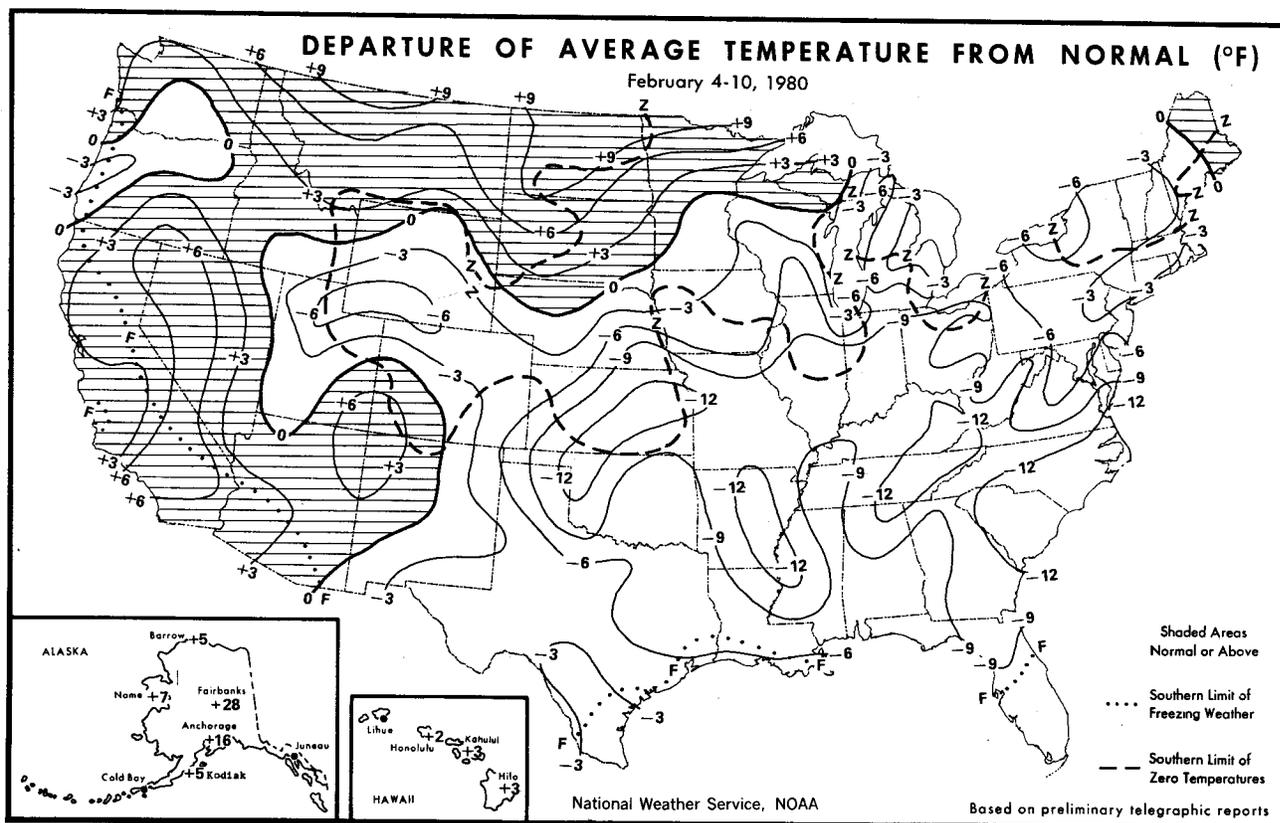
Northern Florida was hit by a hard freeze for the third consecutive day; temperatures dipped below 32° as far south as the Tampa Bay area.

A low pressure system over the middle Mississippi Valley spread up to 4 inches of snow from Iowa through Ohio and Kentucky on Tuesday.

Meantime, light rain dampened the Gulf Coastal State. A half-inch moistened Lake Charles, southwestern Louisiana, Meridian, east central Mississippi, and Mobile, southern Alabama.

Cold air continued to cover the Southeast. In South Carolina, Charleston notched a record low reading of 17°, while Columbia tied its 1917 mark of 13°.

Snow plowed through the Ohio Valley and Appalachians reaching the middle Atlantic Coast on Wednesday. Heavy accumulations blanketed sever-



al States; a foot covered Norfolk, southeastern Virginia, and 14 inches lay over Elizabeth City, northeastern North Carolina. Up to 6 inches whitened the mountains of northern Georgia.

Another storm developed over the central Rockies by day's end.

Light rain fell for the second consecutive day in the Pacific Northwest; totals generally stayed below an inch.

On Thursday, the winter storm finally moved off the Atlantic Coast. The 12.4-inch mantle at Norfolk, Va., stands as the heaviest snowfall there this century and the second heaviest in history, falling short of an 18-inch total in 1892. Elizabeth City's final count put 20 inches of snow into the books.

The storm over the Rockies moved eastward carrying snow as far east as Missouri. A foot of snow covered Oberlin and Stockton in northwestern Kansas. More than a half-foot fell over North Platte, west central Nebraska, and Springfield, southern Missouri.

The storm edged out of the central Plains and through Missouri weakening on its eastward trek on Friday. However, two separate storm systems brewed—one in the Southwest and the other near the western Gulf Coast.

Kansas and Missouri marked the heaviest snowfalls, with nearly a foot and a half in Salina, central Kansas, and Springfield, Mo.

Rain drenched an area from Texas through Alabama; totals included 1 to 2 inches at Houston, Tex., Alexandria, central Louisiana, and Jackson, Miss.

By day's end, light snow began falling in the Tennessee and Ohio Valleys.

Snow extended from just west of the Appalachians to the middle Atlantic Coast on Saturday. A half-foot of snow covered the eastern parts of Kentucky and Tennessee.

To the south, rain spanned the Gulf States from Texas to Florida; more than an inch of rain doused McComb, southern Mississippi, Tuscaloosa, west central Alabama, and Atlanta, Ga.

Snow also fell across New Mexico, the Texas Panhandle, and West Texas. Up to 5 inches of snow gathered near Las Cruces, southern New Mexico, and Texas's Amarillo and El Paso.

Light snow fell in the northern Plains and lower Great Lakes region.

On Sunday, snow continued over the central eastern Seaboard but dissipated by morning. Norfolk, Va., registered another half-foot, while 2 to 4 inches fell in extreme northeastern North Carolina. Up to 4 inches of snow also whitened the northern sections of Mississippi and Alabama. Rain persisted in the Southeast, where one and one-quarter inches soaked Alma, southern Georgia, and Tampa, on Florida's central west coast.

Light snow dotted the Nation from the northern Plains to the Great Lakes. Locally strong wind gusts accompanied the snow.

Cold morning temperatures chilled the country from the southern Plains through the Midwest. Records showed 18° at Fort Worth, Tex., and 5° at Wichita Falls, northern Texas. The mercury plunged to -5° at Wichita, Kans., undercutting the 1899 mark by 4 degrees.



National Agricultural Summary

February 4 - 10

HIGHLIGHTS: Subnormal temperatures continued to dominate the eastern two-thirds of the Nation. Above-normal temperatures held throughout the Southwest and along the Canadian border extending down into Nebraska on the Great Plains. A major snowstorm swept out of the Rockies and spread across the Corn Belt and middle Atlantic States. Snowcover improved substantially in the central Plains and Corn Belt, finally giving good protection to most of the wheat crop as far south as the Texas Panhandle. The snowcover should also provide needed soil moisture in parts of the Plains when it melts. The low temperatures forced ranchers to feed heavier rations and dig deeper into hay and forage supplies. Cattle were able to graze less crop stubble since the recent snows. Across the South, farmers had no more than 2 days suitable for fieldwork; low temperatures and wet soils restricted the activity. Grasslands rated only fair; low temperatures slowed growth in all areas except the Southwest. Fruit growers pruned trees and applied dormant sprays in northern areas and picked citrus in the South. Vegetable production was restricted to the South.

SMALL GRAINS: Small grains generally rated fair to good. Most stands in major production areas lay dormant from the low temperatures, but, fortunately, a mantle of snow protected most of the acreage.

Kansas snowcover increased on winter wheat, with depths ranging from 2 inches in the west to as much as 12 inches in the east. South Dakota winter wheat had very little snowcover; consequently, blowing soils damaged some of the crop. Oklahoma winter wheat finally received some snowcover, but most areas had only an inch or two. Low temperatures slowed wheat growth in Texas but produced no damage; in fact, the cold weather helped control insect populations. New Mexico winter wheat rated fair to good and provided moderate grazing. Arizona wheat rated good; planting was almost done. California wheat rated good to excellent, although foggy, cool weather slowed growth. Washington wheat scored good and showed some growth. Oregon growers sprayed some acreage. Winter wheat in northern Idaho suffered from no snowcover. Montana wheat rated fair with only light wind damage. Winter wheat throughout the Corn Belt finally lay under a protective blanket of snow. A few growers across the South spread fertilizer on winter wheat.

OTHER CROPS: Land preparation continued for the 1980 cotton crop in the Southwest and lower Rio Grande Valley. California growers applied preplant weed control. Arizona producers applied preplant irrigation and herbicides.

Wet, cold weather delayed tobacco bed preparation in major production areas. Further south, tobacco plants looked good.

The Florida sugarcane harvest actively advanced; the low temperatures produced no serious damage.

FRUITS & NUTS: Deciduous fruit growers in northern areas continued to prune trees and apply dormant sprays. Early berries began breaking dormancy in Washington. Early California almonds bloomed, and peach buds began swelling.

Florida citrus groves rated excellent; soil moisture proved adequate in most areas, although a few growers applied irrigation. Trees showed new growth, and a few bloom buds appeared in warmer areas. Texas citrus growers harvested a dwindling volume of grapefruit and early oranges but increased supplies of Valencias. The Arizona citrus harvest held steady as lemon picking neared completion; the Valencia harvest is scheduled to begin shortly.

VEGETABLES: Florida vegetable production areas had below-normal temperatures, with near-freezing readings at the beginning of the week. Moderate to heavy frosts formed in some areas causing light to moderate foliage burn and some plant loss. Crop conditions rated fair to mostly good--somewhat lower than usual due to the adverse weather. Overall shipments increased slightly from the previous week; potatoes led the increase with lesser increases displayed by carrots, peppers, and tomatoes. Other vegetable supplies from Florida held steady or declined. Low temperatures produced minor leaf burn and some bloom damage to strawberries. Subnormal temperatures slightly damaged some watermelon plants and slowed growth.

Texas growers harvested cabbage, carrots, lettuce, cauliflower, beets, broccoli, and spinach. Producers prepared land for spring crops; the Coastal Bend area needed additional moisture before seeding cucumbers. Arizona growers harvested lettuce and other winter vegetables. California growers harvested asparagus, broccoli, cauliflower, celery, lettuce, and strawberries. Tomato planting advanced in most areas.

PASTURES & LIVESTOCK: Pastures generally rated only fair, producing limited growth because of the continued low temperatures throughout much of the Nation. Only rangelands in the Southwest showed improved growth, basking under above-normal temperatures. Snow and freezing rain, along with the cold weather, damaged some grasslands in parts of the South. Feed and forage was adequate to sustain the heavy feeding required during the cold weather, although hay shortages developed in the Pacific Northwest. Cattle generally rated good, holding up well to the harsher weather. Calving and lambing gained momentum.

Weather Data for the Week Ending Feb. 10, 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 inc. or more
ALA. Birmingham . . .	44	27	52	22	36	-10	2.0	.7	1.3	10.3	88	76	52	0	6	4	1
Mobile	55	35	62	28	45	- 8	1.1	0	.6	10.0	85	69	48	0	3	2	2
Montgomery	51	34	58	28	43	- 7	1.6	.6	1.2	8.4	83	69	46	0	2	2	1
ALASKA. Anchorage . . .	39	27	44	17	33	16	.2	0	.1	2.9	138	80	59	0	4	4	0
Barrow	-10	-23	6	-36	-13	5	.1	0	.1	.4	57	70	63	0	5	3	0
Fairbanks	34	12	39	-7	23	28	0	-.1	0	.5	45	78	63	0	7	0	0
Kodiak	42	31	44	13	36	5	6.7	5.4	2.0	12.4	108	76	71	0	2	5	4
Nome	20	5	35	-10	12	7	.3	.1	.2	2.5	139	78	63	0	6	5	0
ARIZ. Flagstaff	44	19	55	6	31	2	T	-.4	T	8.1	180	69	38	0	7	0	0
Phoenix	69	47	80	35	58	4	T	-.1	T	1.8	120	68	26	0	0	0	0
Tucson	67	44	79	38	55	3	.9	-.7	.9	1.8	100	50	24	0	0	1	1
Winslow	51	26	63	17	39	1	T	-.1	T	1.8	180	--	--	0	6	0	0
Yuma	74	51	82	43	63	- 5	0	-.1	0	.6	60	44	21	0	0	0	0
ARK. Fort Smith	40	27	55	17	33	- 3	.6	-.2	.5	4.3	69	84	49	0	6	3	1
Little Rock	39	26	50	18	32	-11	1.2	.1	1.1	7.0	72	83	69	0	7	3	1
CALIF. Bakersfield	61	43	71	36	52	1	T	-.3	T	3.3	165	--	56	0	0	0	0
Eureka	57	43	61	39	50	2	.2	-1.2	.2	7.5	48	93	68	0	0	1	0
Fresno	61	42	70	36	51	3	0	-.5	0	4.6	112	96	60	0	0	0	0
Los Angeles	72	52	80	47	62	4	0	-.7	0	7.5	121	48	37	0	0	0	0
Red Bluff	64	44	71	37	54	5	.1	-.8	.1	9.2	98	77	49	0	0	1	0
San Diego	70	52	74	49	61	5	0	-.4	0	5.6	149	63	46	0	0	0	0
San Francisco	62	45	64	39	54	3	0	-.8	0	9.3	99	77	46	0	0	0	0
Stockton	63	43	66	32	53	5	T	-.6	T	4.9	79	--	54	0	1	2	0
COLO. Denver	39	15	51	-5	27	- 5	.3	.2	.2	2.0	200	87	44	0	7	2	0
Grand Junction	44	24	52	17	34	- 3	.1	0	.1	.9	82	77	45	0	7	1	0
Pueblo	44	18	60	7	31	- 3	.1	0	.1	1.3	130	--	48	0	7	1	0
CONN. Bridgeport	34	20	40	14	27	- 3	0	-.6	0	3.4	51	53	31	0	7	0	0
Hartford	34	14	39	4	24	- 2	0	-.8	0	2.7	33	68	28	0	7	0	0
D.C. Washington	39	27	43	23	33	- 3	.2	-.4	.1	3.9	61	61	48	0	6	4	0
FLA. Apalachicola	58	38	67	27	48	- 7	.7	-.2	.6	8.5	113	84	58	0	1	2	1
Daytona Beach	65	39	78	32	52	- 7	.1	-.6	.1	4.4	94	83	43	0	1	1	0
Ft. Myers	70	45	80	38	58	- 6	.1	-.3	.1	7.7	214	87	43	0	0	2	0
Jacksonville	59	32	74	25	45	-10	.2	-.7	.1	4.9	75	84	45	0	4	3	0
Key West	68	58	77	52	63	- 8	.2	-.3	.2	2.4	62	80	62	0	0	1	0
Miami	70	50	77	42	60	- 7	T	-.5	T	5.0	109	83	48	0	0	0	0
Orlando	68	39	78	34	53	- 8	.4	-.3	.4	3.8	76	88	36	0	0	1	0
Tallahassee	60	30	69	20	45	- 9	.6	-.5	.5	10.9	117	88	45	0	4	2	0
Tampa	65	40	76	32	53	- 8	1.2	.6	1.2	4.4	83	81	42	0	1	2	1
W. Palm Beach	70	47	75	37	59	- 9	T	-.6	T	7.0	123	80	47	0	0	1	0
GA. Atlanta	42	28	46	23	35	- 9	1.4	.3	1.2	7.8	78	79	51	0	6	3	1
Augusta	45	26	49	16	36	-11	2.0	1.1	1.5	7.9	99	90	47	0	6	2	1
Macon	51	29	56	20	40	-10	1.4	.4	1.1	6.6	72	88	51	0	6	4	1
Savannah	49	31	57	24	40	-11	1.0	.4	.5	6.7	97	84	48	0	5	3	1
HAWAII. Hilo	--	--	--	--	74	3	1.2	-1.8	--	9.9	35	--	--	0	0	--	--
Honolulu	82	66	84	61	74	2	.1	-.6	T	10.6	119	88	52	0	0	2	0
Kahului	--	--	--	--	74	3	.1	-.6	--	0	0	--	--	0	0	--	--
Lihue	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IDAHO. Boise	43	30	49	25	36	2	.1	-.2	.1	2.4	71	92	61	0	6	1	0
Lewiston	44	32	52	28	38	2	T	-.2	T	3.0	103	89	59	0	4	1	0
Pocatello	35	20	41	14	28	0	.1	-.1	.1	3.7	161	88	64	0	7	1	0
ILL. Cairo	33	25	37	19	29	- 9	.6	-.3	.3	6.2	70	--	--	0	7	2	0
Chicago	28	14	31	4	21	- 3	.3	-.1	.1	3.7	86	89	67	0	7	4	0
Moline	26	7	28	-5	17	- 7	.5	-.2	.4	4.1	105	90	65	0	7	3	0
Peoria	26	9	28	-4	17	- 9	.3	-.1	.2	3.3	83	81	72	0	7	3	0
Rockford	25	6	27	-8	15	- 7	.3	0	.3	3.5	90	88	59	0	7	1	0
Springfield	26	19	31	-4	18	-11	.2	-.2	.1	3.3	80	84	66	0	7	3	0
IND. Evansville	29	16	32	2	23	-12	.2	-.6	.1	5.1	65	76	59	0	7	3	0
Ft. Wayne	25	8	26	2	16	-10	.4	-.1	.2	3.7	67	80	55	0	7	3	0
Indianapolis	28	10	30	-1	19	-11	.3	-.3	.1	4.6	74	94	61	0	7	4	0
South Bend	29	11	32	5	20	- 5	.1	-.4	.1	5.1	89	89	67	0	7	2	0
IOWA. Burlington	27	13	28	4	20	- 5	.4	-.1	.2	2.8	74	--	--	0	7	2	0
Des Moines	26	9	30	3	17	- 5	.4	.2	.3	2.2	92	88	63	0	7	2	0
Dubuque	24	9	26	-2	17	- 4	.5	.2	.2	3.8	97	86	64	0	7	3	0
Sioux City	25	12	32	4	19	- 3	.2	0	.1	.8	57	80	66	0	7	3	0
KANS. Concordia	29	14	39	-6	21	- 9	.3	.1	.3	2.0	133	88	65	0	7	2	0
Dodge City	33	13	46	-7	23	-11	.6	.5	.5	2.4	240	77	57	0	7	2	1
Goodland	36	17	47	2	27	- 4	.3	.2	.3	2.2	220	86	58	0	7	2	0
Topeka	29	12	39	-5	20	-11	.5	.3	.3	2.0	69	83	63	0	7	3	0
Wichita	30	15	47	-5	23	-12	.7	.5	.7	4.5	196	89	65	0	7	3	0
KY. Lexington	30	17	34	4	24	-10	.2	-.6	.1	5.7	68	81	60	0	7	3	0
Louisville	31	18	33	2	25	-10	.3	-.5	.1	5.9	75	81	58	0	7	4	0

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending Feb. 10, 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	55	37	62	30	46	-7	.9	-	.3	.8	8.4	77	85	54	0	2	3	1
Lake Charles	58	39	69	34	48	-6	1.9	-	.7	.9	10.4	96	88	62	0	0	3	1
New Orleans	60	38	69	29	49	-6	.7	-	.5	.7	10.3	93	86	48	0	1	2	1
Shreveport	48	34	60	29	41	-8	2.5	1.6	1.9	1.9	10.2	111	86	62	0	2	3	1
MAINE. Caribou	22	4	24	-6	13	-2	T	-	.5	T	4.7	90	72	43	0	7	2	0
Portland	30	8	35	0	19	-2	0	0	0	0	3.5	42	89	45	0	7	2	0
MD. Baltimore	36	22	40	18	29	-5	.2	-	.9	.1	3.7	54	61	42	0	7	2	0
MASS. Bostpn	33	19	40	13	26	-3	T	-	.8	T	2.1	24	55	38	0	7	1	0
Chatham	32	22	35	14	27	-1	.3	-	.3	T	8.5	99	81	55	0	7	2	0
MICH. Alpena	25	4	28	-7	15	-2	T	-	.4	T	3.0	73	-	-	0	7	2	0
Detroit	29	14	33	4	22	-3	.1	-	.3	.1	3.0	65	86	50	0	7	2	0
Flint	28	9	29	-1	18	-4	.1	-	.3	.1	3.5	88	88	59	0	7	2	0
Grand Rapids	29	10	32	1	20	-4	.1	-	.1	.1	4.6	102	88	63	0	7	3	0
Houghton Lake	26	1	29	-10	14	-3	T	-	.3	T	3.4	89	77	51	0	7	1	0
Lansing	27	9	29	-1	18	-5	.1	-	.3	-	3.1	72	86	59	0	7	1	0
Marquette	23	3	26	-6	13	-6	T	-	.4	T	4.4	107	88	65	0	7	2	0
Muskegon	27	11	29	5	19	-5	.2	-	.3	.1	5.1	96	84	60	0	7	4	0
S. Ste. Marie	19	-2	24	-8	8	-6	T	-	.4	T	5.6	122	84	62	0	7	1	0
MINN. Duluth	21	3	22	-10	12	-2	.2	-	.1	.1	1.9	66	83	66	0	7	3	0
Internatl. Falls	22	7	24	-10	14	-10	.3	-	.2	.1	1.6	84	85	60	0	7	6	0
Minneapolis	22	3	27	-4	12	-2	.3	-	.1	.1	1.5	88	88	56	0	7	2	0
Rochester	22	1	25	-9	12	-3	.1	-	.0	.1	2.1	162	81	59	0	7	2	0
St. Cloud	22	-3	25	-13	10	-2	.4	-	.2	.3	1.8	106	86	-	0	7	4	0
MISS. Jackson	45	29	50	22	37	-12	2.9	1.8	1.3	1.3	14.6	134	81	70	0	5	3	2
Meridian	48	31	52	25	40	-9	2.9	1.8	2.3	2.3	12.8	116	77	54	0	5	3	2
MO. Columbia	28	15	35	5	21	-11	.5	-	.1	.3	2.5	63	86	64	0	7	4	0
Kansas City	26	11	33	1	19	-12	.7	-	.4	.3	2.3	70	77	63	0	7	3	0
St. Louis	28	19	34	7	24	-10	.4	-	.1	.3	3.0	70	95	80	0	7	3	0
Springfield	33	21	45	10	27	-9	1.8	1.3	.8	.8	4.0	83	80	59	0	7	4	2
MONT. Billings	37	24	47	16	31	5	.2	-	.1	.1	1.4	108	75	56	0	7	3	2
Glasgow	28	11	38	5	20	7	T	-	.1	T	.6	60	85	66	0	7	1	0
Great Falls	40	24	47	14	32	8	.2	-	.0	.2	1.2	67	78	52	0	6	2	0
Havre	37	16	49	7	27	11	0	-	.1	0	.6	60	88	43	0	7	0	0
Helena	36	22	43	14	29	8	T	-	.1	T	1.3	130	82	64	0	7	1	0
Kalispell	35	23	43	9	29	6	.5	-	.2	.5	3.7	103	90	74	0	7	2	1
Miles City	36	16	47	9	26	6	T	-	.1	T	.6	60	88	52	0	7	2	0
Missoula	36	24	43	18	30	5	T	-	.2	T	2.6	96	96	74	0	7	2	0
NEBR. Grand Island	28	12	36	-7	20	-6	.4	-	.2	.3	1.7	155	90	67	0	7	3	0
Lincoln	26	6	35	-9	16	-10	.3	-	.1	.1	1.8	129	87	76	0	7	3	0
Norfolk	27	11	38	-8	19	-3	.3	-	.1	.2	1.1	92	86	70	0	7	3	0
N. Platte	36	13	50	-9	25	-2	.6	-	.5	.6	1.5	150	78	52	0	7	2	1
Omaha	24	12	32	3	18	-8	.4	-	.2	.2	1.2	80	78	69	0	7	2	0
Valentine	37	13	47	-6	25	2	.3	-	.2	.3	.7	70	88	51	0	7	3	0
NEV. Ely	44	17	55	5	30	3	.1	-	.0	.1	1.6	133	78	47	0	7	2	0
Las Vegas	62	41	72	30	51	4	0	-	.1	0	1.6	160	53	21	0	2	0	0
Reno	52	29	62	18	41	5	T	-	.2	T	4.8	185	81	33	0	4	1	0
Winnemucca	49	29	54	23	39	6	T	-	.2	T	2.2	110	84	45	0	4	1	0
N.H. Concord	30	4	36	-5	17	-4	0	-	.6	0	2.4	37	73	35	0	7	0	0
N.J. Atlantic City	35	18	40	10	26	-7	T	-	.8	T	4.9	58	72	41	0	7	1	0
Trenton	35	22	42	17	28	-4	T	-	.6	T	4.1	62	-	-	0	7	0	0
N.MEX. Albuquerque	53	25	66	17	39	0	.1	-	.0	.1	1.9	190	73	29	0	7	3	0
Roswell	53	24	74	7	38	-3	.1	-	.0	.1	1.3	130	-	-	0	6	2	0
N.Y. Albany	29	7	34	0	18	-4	T	-	.5	T	1.5	27	86	40	0	7	0	0
Binghamton	24	12	27	7	18	-4	T	-	.6	T	3.0	51	80	48	0	7	0	0
Buffalo	25	12	30	6	19	-5	T	-	.6	T	4.6	71	72	48	0	7	2	0
New York	35	24	42	18	29	-3	0	-	.7	0	4.6	64	53	38	0	7	0	0
Rochester	23	10	28	2	17	-8	T	-	.6	T	4.0	74	93	60	0	7	2	0
Syracuse	26	4	30	-6	15	-9	.2	-	.5	.1	3.4	53	90	55	0	7	2	0
N.C. Asheville	36	18	42	9	27	-12	.4	-	.4	.2	4.3	54	90	60	0	7	3	0
Charlotte	38	24	42	18	31	-12	1.3	.4	1.0	.4	7.4	90	82	53	0	7	3	1
Greensboro	37	21	41	11	29	-11	.9	-	.1	.6	6.1	84	81	51	0	7	3	1
Hatteras	39	26	46	21	33	-12	1.9	.8	1.0	.8	15.0	149	77	64	0	7	2	1
Raleigh	37	21	43	9	29	-12	1.0	.2	.7	.7	6.3	86	94	64	0	7	3	1
Wilmington	42	26	46	18	34	-13	1.2	.4	.9	.9	7.7	103	81	45	0	6	3	0
N.DAK. Bismarck	28	13	37	0	21	9	.1	-	.0	.1	1.2	120	83	68	0	7	2	0
Fargo	20	7	26	-3	14	6	.3	-	.2	.2	2.1	210	84	79	0	7	4	0
Williston	30	11	37	2	20	8	T	-	.1	T	.7	70	85	56	0	7	1	0
OHIO. Akron-Canton	28	12	33	4	20	-7	.1	-	.4	T	3.6	63	81	54	0	7	2	0
Cincinnati	28	14	30	5	21	-11	.2	-	.5	.1	5.4	75	94	70	0	7	3	0
Cleveland	26	11	31	-2	19	-8	T	-	.5	T	5.2	93	92	65	0	7	1	0
Columbus	30	13	34	6	21	-8	.1	-	.5	.1	3.6	61	83	64	0	7	1	0
Dayton	28	11	31	4	20	-9	.2	-	.4	.1	4.7	84	88	57	0	7	3	0
Toledo	27	01	29	0	18	-7	.1	-	.3	.1	3.2	68	86	55	0	7	4	0
Youngstown	25	10	30	2	17	-8	.1	-	.5	.1	5.4	86	93	52	0	7	1	0

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending Feb. 10, 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	41	22	58	9	32	-8	1.2	.9	.3	5.4	193	79	53	0	7	2	1	
Tulsa	39	23	57	3	31	-9	.9	.5	.3	3.4	89	83	58	0	7	2	1	
OREG. Astoria	53	39	56	33	46	3	1.1	1.0	.3	21.2	93	83	66	0	0	3	0	
Burns	42	24	45	17	33	3	.2	.1	.1	3.5	90	88	60	0	7	2	0	
Medford	54	30	60	25	42	2	.1	.5	.1	5.0	65	90	51	0	3	2	0	
Pendleton	40	31	50	29	35	-2	.2	.1	.1	3.5	95	93	77	0	7	2	0	
Portland	51	36	53	29	43	2	.5	.6	.3	15.9	121	80	63	0	3	2	0	
Salem	52	32	55	25	42	0	.4	.9	.2	13.8	91	96	63	0	4	2	0	
PA. Allentown	35	19	39	13	27	-1	.7	.7	.3	3.3	45	68	34	0	7	0	0	
Erie	24	9	27	2	17	-10	.7	.5	.1	6.3	107	--	--	0	7	0	0	
Harrisburg	35	19	40	18	27	-4	.1	.5	.1	2.5	40	58	28	0	7	0	0	
Philadelphia	33	21	38	15	27	-6	.7	.6	.7	4.1	61	55	35	0	7	1	0	
Pittsburgh	28	12	31	4	20	-8	.7	.6	.7	3.9	65	67	43	0	7	2	0	
Scranton	31	16	34	9	23	-3	.7	.5	.7	2.1	41	68	37	0	7	0	0	
R.I. Providence	34	17	40	8	25	-3	.7	.8	.7	3.3	39	56	34	0	7	1	0	
S.C. Charleston	46	27	51	17	37	-13	2.2	1.5	.3	9.6	141	86	57	0	5	3	0	
Columbia	43	24	48	13	33	-13	1.3	.4	.8	7.5	94	99	55	0	6	3	0	
Greenville	38	24	42	14	31	-12	1.0	.1	.7	6.6	70	84	58	0	7	3	1	
S.DAK. Aberdeen	23	12	27	-6	17	4	.4	.3	.4	1.0	100	79	67	0	7	1	0	
Huron	27	12	36	-6	19	4	.4	.2	.4	.6	55	78	66	0	7	2	0	
Rapid City	40	20	54	13	30	5	.1	0	.1	.3	30	78	47	0	7	1	0	
Sioux Falls	23	9	27	-6	16	-1	.2	0	.2	.3	21	90	74	0	7	3	0	
TENN. Chattanooga	35	25	37	20	30	-12	1.2	.1	.8	7.8	63	76	55	0	7	4	1	
Knoxville	35	25	37	17	30	-12	1.1	.1	.4	8.7	81	84	57	0	7	4	0	
Memphis	37	28	41	23	33	-10	.7	.5	.6	8.8	79	82	67	0	7	2	1	
Nashville	34	23	35	13	29	-11	.7	.4	.2	8.4	79	82	63	0	7	4	0	
TEX. Abilene	54	31	74	15	42	-4	.7	.4	.5	4.1	171	74	52	0	4	2	1	
Amarillo	41	20	58	10	30	-8	.4	.3	.4	1.2	92	82	54	0	7	1	0	
Austin	58	38	67	25	48	-4	1.6	.8	.9	6.0	115	83	52	0	2	4	1	
Beaumont	57	37	72	32	47	-7	1.6	.5	1.3	8.8	88	95	60	0	1	3	1	
Brownsville	71	49	80	33	60	-2	.7	.4	.7	2.6	79	83	51	0	0	1	0	
Corpus Christi	69	45	79	31	57	-2	.3	.2	.2	2.7	67	88	50	0	1	3	0	
Del Rio	63	39	71	25	51	-3	.1	.2	.1	1.2	92	87	39	0	3	1	0	
El Paso	57	29	76	16	43	-4	.2	.1	.9	6.0	90	72	33	0	4	2	0	
Fort Worth	50	32	62	18	41	-6	.8	.2	.5	6.0	136	80	51	0	2	3	1	
Galveston	56	45	67	35	51	-5	.2	.5	.2	10.1	138	87	61	0	0	2	0	
Houston	59	38	71	32	49	-6	1.8	.9	1.6	12.2	140	94	58	0	2	2	1	
Lubbock	53	25	75	12	39	-3	.2	.1	.1	2.1	210	85	49	0	5	2	0	
Midland	56	28	75	16	42	-4	.1	0	.1	3.5	350	99	42	0	4	1	0	
San Angelo	58	33	73	22	45	-4	.6	.4	.3	4.0	235	89	49	0	4	2	0	
San Antonio	61	37	68	26	49	-4	.3	.2	.2	4.1	105	87	49	0	3	3	0	
Victoria	64	41	74	32	52	-3	1.3	.7	1.1	8.1	184	94	50	0	1	3	1	
Waco	52	33	65	22	43	-7	1.7	1.1	1.3	8.2	178	85	53	0	3	3	1	
Wichita Falls	47	25	67	5	36	-8	.6	.3	.3	4.3	159	77	47	0	4	3	0	
UTAH. Blanding	46	23	53	14	35	4	.7	.2	.7	4.7	170	86	48	0	7	0	0	
Salt Lake City	37	16	45	9	26	-6	.1	.2	.1	3.4	110	85	61	0	7	1	0	
VT. Burlington	21	4	26	-1	13	-4	.4	.4	.7	2.2	50	70	50	0	7	0	0	
VA. Lynchburg	36	21	41	13	29	-8	.4	.3	.3	6.1	91	73	--	0	7	3	0	
Norfolk	36	23	38	13	29	-11	2.0	1.2	1.2	7.5	100	78	56	0	7	4	1	
Richmond	39	22	46	16	31	-8	.6	.1	.3	8.4	124	74	54	0	7	3	0	
Roanoke	36	22	41	14	29	-8	.4	.3	.2	5.6	85	82	56	0	7	2	0	
WASH. Colville	37	32	39	28	34	5	.1	.3	.1	4.5	96	--	--	0	4	2	0	
Omak	35	28	39	24	31	3	.1	.2	.1	3.4	92	92	--	0	7	2	0	
Quillayute	53	37	56	27	45	4	1.8	1.3	.6	37.7	112	87	73	0	2	3	1	
Seattle-Tacoma	49	38	52	31	43	2	.7	.4	.5	15.0	117	88	71	0	2	2	0	
Spokane	36	32	37	28	34	3	.2	.3	.2	4.2	75	85	76	0	2	1	0	
Walla Walla	41	33	52	30	37	-1	.1	.3	.1	3.0	67	93	77	0	3	1	0	
Yakima	38	28	43	17	33	-1	.7	.2	.7	3.4	121	89	78	0	5	0	0	
W. VA. Beckley	29	14	34	1	22	-10	.4	.4	.2	5.2	66	91	58	0	7	5	0	
Charleston	34	19	37	9	27	-9	.4	.4	.3	6.0	78	81	56	0	7	3	0	
Huntington	32	17	33	3	24	-11	.4	.3	.2	5.6	81	78	50	0	7	4	0	
Parkersburg	30	18	35	10	24	-10	.7	.7	.7	3.3	50	87	62	0	7	0	0	
WISC. Green Bay	25	6	26	3	15	-1	.1	.1	.1	3.4	136	87	65	0	7	2	0	
La Crosse	25	3	28	-8	14	-4	.2	0	.1	2.1	100	96	68	0	7	2	0	
Madison	23	-2	25	-12	10	-8	.2	0	.1	3.0	97	82	63	0	7	2	0	
Milwaukee	26	13	27	1	20	-1	.6	.3	.4	4.7	124	86	57	0	7	4	0	
WYO. Casper	31	14	41	0	23	-3	.2	.1	.1	1.5	150	76	52	0	7	3	0	
Cheyenne	35	14	43	-4	24	-4	.4	.3	.4	4.8	480	72	44	0	7	1	0	
Lander	31	8	43	-9	19	-5	.4	.3	.4	3.6	360	80	43	0	7	2	0	
Sheridan	36	12	41	-10	24	-1	.3	.1	.2	1.1	85	93	60	0	7	3	0	
P.R. San Juan	82	73	87	72	78	3	1.2	.5	--	6.7	74	90	67	0	0	5	1	

Based on preliminary reports and 1941-70 normals

State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by ESCS State offices in cooperation with the National Weather Service.

ALABAMA: Temperatures averaged 10° subnormal. Precipitation covered state 5th, 8th, & 9th; totals 1.00 in. or more. More snow, ice northern areas.

Fieldwork: 2.0 days suitable. Soil moisture near surplus. Plowing 23% complete. Fieldwork behind schedule. Pasture graze short, growth slowed by cold weather. Wheat mostly good condition. Livestock fair to good.

ARIZONA: Fair, dry, warm early week; moist, colder weekend. Precipitation mountains, southeast.

Small grains good progress, planting rapidly being completed, early fields good stands. Land preparation well advanced cotton. Many fields furrowed, preirrigated, preplant herbicides. Alfalfa haying good start; above normal temperatures. First cutting 60% complete, west. Sugarbeets seasonal progress, crown root development good. Safflower preparations well advanced, some planting. Harvest lettuce steady rate west. Harvest other winter vegetables steady. Planting preparations cantaloups, watermelons well advanced, some planting underway. Potato planting underway Salt River Valley. Citrus harvest steady; lemon harvest nearing completion; Valencia orange harvest begin shortly. Citrus groves good condition. Fuel supplies adequate. Northern range areas soil moisture generally good. Range conditions fair with high elevation ranges covered with snow. Cattle in fair to good condition. Soil moisture, stock water adequate north; short elsewhere.

ARKANSAS: Colder conditions and most precipitation occurred latter half of week. Occasional snow, sleet and freezing precipitation 7th through 9th. Up to one foot of snow in northern areas 7th. Snow of 2 to 5 in. in south half 10th. Highest normal 48°, lowest 39°. Highest mean 39°, lowest 28°. Highest temperature 57°, lowest 8°. Most rainfall 2.73 in., least 0.61 in.

No fieldwork. Hay and supplemental feeding increased due to cold weather. Cattle condition good. Limited growth of winter grasses.

CALIFORNIA: Very mild temperatures caused by strong high pressure which built over area by midweek. Temperatures much above normal. Light rain northern half early week.

Field preparations starting as fields dry out. Small grains good to excellent. Aphids appearing small grains San Joaquin Valley. Small grain growth slowed by foggy, cool weather. Seeding dryland small grains winding down north, continued south as fields dry. Sugarbeet field preparation getting started in Sacramento Valley, limited planting San Joaquin. Preplant weed control continued on cotton fields. Very early almonds blooming, other almonds rapidly approaching bloom. Peach buds beginning to swell. Pruning grape vineyards nearing completion. Picking Navel oranges continued. Pruning, dormant spraying orchards continued. Warmer, dry weather promoting growth vegetable crops. Fieldwork increasing. Artichoke supplies light but increasing. Asparagus harvest active desert, increasing Salinas flower harvests increasing south coast to San Francisco Bay area. Some celery acreage by-passed south coast to harvest better quality fields. Lettuce harvest active Imperial Valley, will start Blythe next week. Strawberry harvest continued light south coast. Planting tomatoes. Warm days

promoted range grass growth. Winds dried ground surface. Cattle good condition. Calving, lambing continued. Bees moved into almond orchards. Fuel supplies generally adequate.

COLORADO: Precipitation statewide 6th through 9th with heaviest amounts near northern and central foothills. Temperatures averaged 5° above normal in Colorado River basin, 8° above normal in San Luis Valley, and near normal elsewhere.

FLORIDA: High pressure system reinforced by another cold front which moved over state 6th. Average temperature 10 to 15° below seasonal normal through 7th. Temperatures moderated 8th. Weak cold front moved over State 10th. Rainfall 10th averaged 1.00 in. west central, 0.25 in. or less elsewhere. Highs through 5th upper 40's Panhandle and north, and 50's central and south, and 60's along southeast coast. Over weekend highs warmed to 50's Panhandle and north, and 60's to 70's central and 70's south. Lows through 8th 20's Panhandle and north, 30's central and south, and 40's along southeast coast. Weekend lows in 40's Panhandle and north, and 50's south, and 60's southeast coast.

Soil moisture mostly adequate with a few scattered wet areas. Sugarcane harvest active. Very little damage to cane from recent cold. Small grains good condition but growth slow. Tobacco plant beds good progress. Land preparation slow. Fuel supplies variable. LP gas mostly adequate; diesel fuel tight to adequate; gasoline deficit in some western and southern localities, tight to adequate other areas. Grazing reduced by frost and freezing temperatures central through northern areas. Pastures mostly good in south. Cattle fair to good condition. Citrus grove conditions continue excellent, moisture adequate most areas, few growers irrigating, some new growth all trees, few bloom buds showing in warmer areas. Harvest continues very active. Below normal temperatures continued in vegetable growing areas with nighttime lows in the 30's and 40's and daytime readings mostly in the 50's and 60's. Near freezing temperatures occurred first of week. Moderate to heavy frost formed in some areas. Frost, cold and windy weather caused light to moderate foliage burn, some plants lost. Skies generally clear, sunny. Rainfall limited to a few light, widely scattered showers. Crop condition fair to mostly good but lowered somewhat due to adverse weather. Growth, progress slow. Overall shipments slightly above previous week. Potatoes increased considerably while shipments carrots, peppers, tomatoes increased. Cabbage, celery, cucumbers held steady but supplies snap beans, cauliflower, chinese cabbage, sweet corn, eggplant, escarole, parsley, radishes, squash, strawberries decreased. Strawberry crop condition good Plant City-Ruskin area. Minor leaf burn, bloom damage from cold where exposed. Most growers sprinkled crops for frost prevention. Berry size large to medium, set heavy, quality good. Watermelon crop damaged slightly southwest area. Some plant loss evident. Crop condition down from previous week, plant growth dormant. Planting complete southeast. Early seeded acreage progressing slowly due to cold. Young plants in west central area came through cold in fair condition. Spot replanting necessary low areas. Land preparation active.

Planting underway north central area. Land preparation beginning north, west areas.

GEORGIA: Temperatures 13 to 20° below normal. Averages ranged from low 20's mountains to upper 30's southern half. Most precipitation 6th and 7th. Amounts light. Mostly less than 0.50 in. Snow north of a line from Lagrange to Augusta with amounts of up to 7 in. in mountains.

Surplus soil moisture. Cold, wet conditions continue to limit field activities except in southwest. Tobacco plants good condition. Small grains good condition central and southern areas, fair to good northern areas. Cattle good condition except north central region fair to good. Pastures good condition southern areas, mostly fair to good northern areas.

HAWAII: Favorable weather returned. Most areas sunny, clear. Showers light but isolated; mainly in higher elevations.

Some unirrigated fields in need of more moisture. Most crops making improvement. Supplies generally light but gradually increasing. Vegetable supplies low but increasing gradually. Few banana orchards Island Hawaii need more rain. Oahu fields moisture adequate. Supplies light. Seasonal low supplies papayas will continue. Weather favorable in growing areas. Pineapple harvesting down. Only few sugar mills grinding. All mills expected operating by March. Pastures generally fair to good. Fuel deliveries erratic.

IDAHO: Temperatures 2 to 7° above normal ranging from -11° at Stanley to 52° at Lewiston, averaging in mid-30's. Precipitation below normal.

Farm labor limited to chores and maintenance activities. Winter wheat in north suffering from lack of snowcover. Potato, wheat and bean movement slow. Cattle marketing improved. Calving and lambing advanced with rising temperatures, early lambing flocks reached their peak. Feed supplies generally adequate but hay supplies running low in some areas.

ILLINOIS: Temperatures 3 to 12° below normal. Precipitation 0.20 to 0.50 in.; snow 1 to 7 in.

Winter wheat mostly good condition, snowcover most areas, some grain movement problems, stored grain quality good. Livestock good condition, minimal disease and losses, supplemental feeding heavy. Activities: Caring for livestock, repairing machinery, general farm chores.

INDIANA: Cold with 2 periods of snow; depths 2 to 5 in., deepest in southwest. Temperatures 8° below normal; ranged from 2 to 36°. Precipitation 0.20 in. north and south, 0.40 central. Soils frozen 4 to 8 in. Sunshine 50% of possible.

Outside activities limited to snow removal, cutting wood, moving grain, caring for livestock and usual chores.

IOWA: Temperatures averaged about 5° subnormal. Moderate to heavy snow fell on the 4th and 5th with snow depths of 3 to 9 in. Light snow fell late in week. Snow settled to 3 to 5 in. depth at weekend.

KANSAS: Below normal temperatures and significant snowfall. Temperatures averaged 23° north central to 28° southeast. Readings 5° below normal northwest to 9° below normal south central and southwest. Snowfall generally 4 to 12 in. with locally 14 to 16 in. Moisture generally 0.33 to 0.75 in. but locally near 1.50 in.

Wheat snowcover increased. Heavy supplemental feeding of livestock required. Shortage of hay

and forage in some southern areas. Extra care required for calving, lambing, farrowing. Soil moisture adequate to surplus. Fieldwork: 1.0 day suitable. Fuel supplies mostly stable.

KENTUCKY: Temperatures averaged nearly 10° below normal. Some snowfall most every day with generally less than inch of melted precipitation.

Snow and cold weather continued to stress livestock and necessitate heavy supplemental feeding. Feed supply adequate. Livestock in generally good condition.

LOUISIANA: Temperatures 8 to 10° below normal. Extremes: 22 and 73°. Widespread rains.

Activities: Routine chores and caring for livestock.

MARYLAND & DELAWARE: Temperatures averaged 10° below normal. Highs averaged in low to mid-30's and lows averaged in upper teens. Precipitation very light averaging 0.10 in. Weekend cold. Cloudy with light snow 9th. Sunny and windy 10th.

MICHIGAN: Temperatures averaged 3 to 6° below normal over Lower and eastern Upper, except extreme northwestern Lower where temperatures averaged 13° below normal. Western and central Upper temperatures were near normal. Precipitation light. Heaviest amounts reported were in southwestern Lower averaging 0.14 in. Elsewhere amounts in 0.02 to 0.08 in. range. Reported snow on the ground averaged from 1 to 4 in. over Lower and inland Upper. Along shore of Lake Superior amounts ranged from 8 to 22 in.

Main activities: Feeding livestock.

MINNESOTA: Temperatures averaged 8° above normal northwest to 4° below normal southeast. Extremes: 29 and -17°. Precipitation averaged 0.30 in. above normal northwest and north central and near normal east and south. Precipitation totals ranged from 0.76 to 0.07 in. Snowfall ranged from 6 to 8 in. central and north to 2 in. extreme southeast. Snow depth 12 to 20 in. north central and northeast, generally 3 to 6 in. most of west and south.

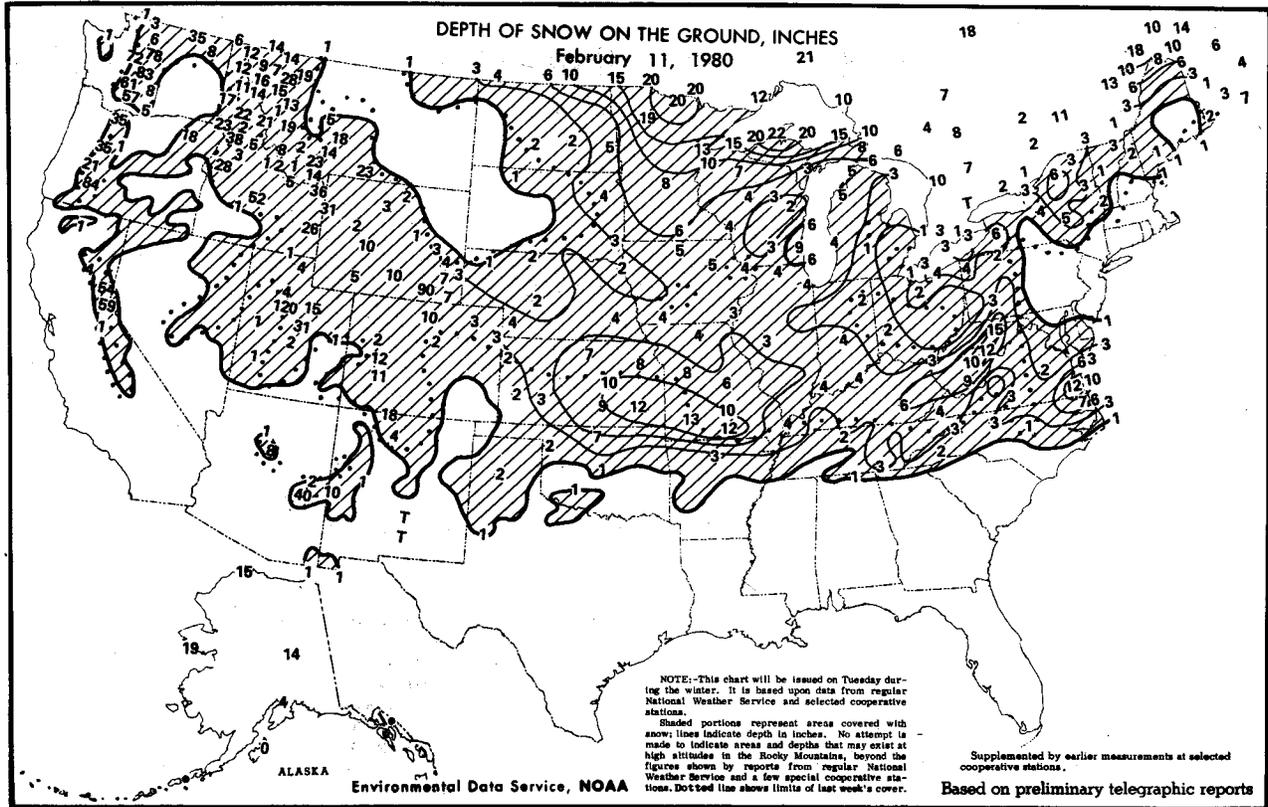
MISSISSIPPI: Temperatures 12 to 17° below normal. Extremes: 8 and 62°. Light snows early week over north. Heavy rains during weekend brought rainfall from 2.00 to 3.00 in. Up to 4 in. snow on ground in northeast.

Soil moisture surplus to adequate. Fieldwork: 1.5 days suitable. Freezing rain and some snow north damaged winter grazing crops. Caring for livestock and preparing for spring planting were major activities. Pasture conditions fair to good. Winter wheat conditions fair to good. Livestock mostly good condition. Hay and roughage supplies and feed grain supplies adequate. Diesel, gasoline and LP gas supplies adequate.

MISSOURI: Temperatures averaged 9° below normal. Major snowstorm midweek, with from 3 in. north to 15 to 20 in. south. Melted precipitation ranged from 0.30 in. north to over 1.00 in. south.

MONTANA: Mild; temperatures averaged from 13° above normal over north central to 5° above in southwest. Elsewhere temperatures mostly about 10° above normal. Precipitation mostly light with some moderate amounts over south central and northwest.

Cattle and sheep in good condition. Calving and lambing started. Stockwater supplies adequate. Winter wheat rated mostly fair condition. Wind damage to winter mostly light despite poor snowcover. Moisture would be welcome.



NEBRASKA: New snowfall of under 1 in. statewide. Temperatures averaged 5 to 8° below normal; few areas slightly above normal early in period.

NEVADA: Weak front spread light rain and snow north and central midweek. Daytime temperatures well above normal except during storm. Temperatures averaged 5 to 10° above normal. Extremes: 72 and 4°.

Supplemental feeding continued. Livestock mostly good condition.

NEW ENGLAND: Temperatures 5 to 15° below normal through midweek, near normal rest of period. Precipitation confined to trace amounts except on 8th when snow with water content of 0.10 in. to 0.30 in. fell on Cape Cod and near-by islands.

NEW JERSEY: Temperatures 6 to 8° below normal, averaging 23° north, 25° south, 28° coastal. Extremes: 5 and 45°. Second consecutive week with no significant precipitation.

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

NEW MEXICO: Very mild and dry beginning of week with a sharp change to colder developing 7th. Quite cold 8th and 9th with slight warming generally on 10th. Widespread snow and showers 7th and 8th and south 9th. Most precipitation totals light but some amounts 0.50 in. or more south.

Soil moisture short to adequate. Planting mid-season onions continue until stopped by snows. Irrigated wheat and barley in fair to good condition with moderate grazing. Ranges fair condition. Supplemental feeding. Livestock good condition, some calving.

NEW YORK: Cool, dry. Temperatures averaged 5° below normal. Precipitation falling as snow mainly under 1 in.

NORTH CAROLINA: Temperatures 10 to 15° below normal. Precipitation 0.50 to 1.50 in.; two snow storms.

Fieldwork: 1.0 days suitable. Soil moisture surplus. Conditions of wheat, oats, barley, and rye fair to mostly good but declining; pastures mostly fair; some cold damage to small grains. Supplies of hay and roughage and feed grains mostly adequate. Major activities: Tending livestock, repairing farm machinery, general farm maintenance.

NORTH DAKOTA: Mild temperatures continued. Temperatures averaged 7 to 12° above normal. Extremes: -11° southeast and 45° south central. Snow fell on 9th and 10th through much of east. Water content small. Most precipitation 0.31 in. High winds caused blowing and drifting.

Livestock continued to benefit from mild winter. Favorable conditions for lambing which has begun. Little additional snowcover. Blowing snow caused travel restrictions east over weekend.

OHIO: Average temperatures 6 to 10° below normal. Extremes: 37 and -2°. Precipitation light with totals ranging from none to 0.20 in. Precipitation as much as 0.60 in. below normal. Bare soil temperatures at 4 in. under bare ground are at freezing or below. Some 4 in. grass soil temperatures remain above freezing in south.

OKLAHOMA: Temperatures averaged 5° below normal in southwest and 8 to 9° below normal elsewhere. Few below zero minimums reported in north central

and northeast on 10th. Precipitation statewide ranging from 0.26 in. Panhandle to 1.90 in. southeast. Most areas reported around 0.75 in. Precipitation in southeast about 1.00 in. above normal. Snowfall of 3 to 5 in. common across northern quarter and southeast corner. Local amounts of up to 8 in. occurred near Kansas border.

OREGON: Precipitation general; heaviest rains occurred along coast and in western valleys; amounts varied from over 4.00 in. to 1.00 to 2.00 in. most other spots. Eastern areas had amounts ranging from only 0.04 in. to over 0.40 in. Temperatures varied from about normal to as much as 7° above normal.

Soil moisture short in some eastern areas to surplus in some western areas. Winter wheat condition fair to mostly good. Chemicals being applied as field conditions permit. Dormant sprays being applied to some berry fields. Some fall planted sugarbeet seed reported damaged from freeze. Livestock condition fair to mostly good. Range and pastures poor to good. Feed supplies short some locations, adequate in others. Hay prices high.

PENNSYLVANIA: Cold but dry. Temperatures 2 to 10° below normal but 5° above previous week. Extremes: -7 and 41°. Fourth consecutive dry week; 0.05 in. or less precipitation in form of snow 6th with additional flurries several days. Snowfall traces to 2 in.

Normal winter chores.

PUERTO RICO: Island average rainfall 1.37 in. or 0.68 in. above normal. Temperatures averaged about 75 to 76° on Coasts and 70 to 72° interior. Extremes: 91 and 47°.

SOUTH CAROLINA: Much cooler than usual; snow, sleet or freezing rain 4 or 5 days. Low 11° 4th. Weather permitting, tobacco and vegetable lands prepared for spring planting. Equipment maintenance and caring for livestock.

SOUTH DAKOTA: Average temperatures 4° subnormal to 11° above normal. East cloudy; west sunshine. Extremes: 54 and -14°. Snowcover 3 to 8 in. east; very little west. Precipitation light.

Livestock good condition. Cattle remain on corn stubble. Farm fuel supplies and grain transportation and storage problems eased slightly. Lack of snowcover and soil blowing damaged winter wheat.

TENNESSEE: Temperatures 12 to 15° below normal. Snow early week; amounts averaged 1 to 3 in. Snow again late week. Rainfall equivalents 0.50 to 0.75 in. statewide.

Soil moisture adequate. Pastures and small grains fair. Cattle good. Farmers delayed in tobacco plantbed preparation by wet soils.

TEXAS: Midweek generally fair. Cold front on 7th entered Panhandle and brought colder temperatures, snow to North and West Texas, rain to South Texas. Temperatures 5 to 7° below normal northwest, North Texas, 3 to 5° below normal South Texas, and near normal lower Rio Grande Valley, Texas Coast. Precipitation 1.50 in. above normal East Texas and 1.00 in. above normal North Texas; elsewhere near normal.

Plains received freezing temperatures, snow, ice, which halted farm, ranch activities. Central, South Texas received cooler late week temperatures, rain, drizzle, early morning fog. Wet conditions for third consecutive week stalled land preparation. Rio Grande Valley, South Texas only areas able to make fieldwork progress. Limited activities, land

preparation, livestock feeding, equipment maintenance, insect control. Small grains progressing slowly due to cold temperatures Plains, Edwards Plateau, Cross-Timbers. Damage due to cold remains minimal. Plains report stands small grains minimal growth. Growth limited due to cold front. Greenbugs have not caused major problems. Fuel supplies adequate.

Heavy supplemental feeding of livestock continued as another cold wave brought rain, freezing drizzle, snow and low temperatures. Having benefited from recent moisture, ryegrass, winter grass, winter weeds and small grains providing forage growth, however, grazing limited. On Edwards Plateau lambing, kidding underway. Livestock in generally good condition.

Lower Rio Grande Valley harvests cabbage, carrots, lettuce, cauliflower continued. Limited supplies beets and broccoli available. Planting of melons continued. Onions made excellent growth. Citrus harvest continued with grapefruit and early oranges tapering off; harvest of Valencia oranges picking up. San Antonio-Winter Garden harvests winter crops continued along with land preparation for spring crops. Some turnips and turnip green available in moderate amounts. Onions growing well at Laredo; harvest broccoli and carrots complete; harvest of spinach continued. Coastal Bend land preparation for spring cucumbers in progress, however, additional moisture needed. El Paso onions progressing well. North and East Texas land preparation continued. Onions, potatoes, radishes being planted.

UTAH: Scattered areas of snow principally north and central sections midweek. Amounts generally light to moderate. Rising trend in temperatures forepart period but cooling over weekend. Average temperatures ranged from 10° below normal to 7° above normal.

Feeding and caring for livestock. Cold weather and snow stressed livestock. Some turkey poults placed where facilities adequate. Marketing dry onions, apples, potatoes continued.

VIRGINIA: Temperatures averaged well below normal. Extremes: 46 and -2°. Snow occurred on 6th and again on 9th and 10th. Snow depth averaged 1 to 3 in. except 12 to 15 in. extreme southeast.

Cold, snowy conditions limited outside activity. Topsoil moisture surplus to adequate. Fieldwork: 0.8 days suitable. Winter grains good to excellent. Farm fuel supplies mostly adequate. Major tasks: Feed and care of livestock; machine maintenance; tapping maple trees Highland County; top dressing of small grain; pruning fruit trees; snow removal; calving and lambing. Low temperatures have caused some problems with animal births and a few have died. Snowcover created need for supplemental feeding. Reports indicate good feed supply.

WASHINGTON: West: Temperatures averaged 6° above normal; precipitation ranged from 0.10 in. below to 0.40 in. above normal.

Pruning caneberries, harvesting forced rhubarb continued. Raspberry acreages breaking out of dormancy. Cabbage seed fields showing growth. Calving and lambing progressing. Hay supplies adequate, but expensive.

East: Temperatures averaged 6° above normal; precipitation averaged near normal.

Winter wheat in good shape and showing signs of growth. Snowcover still scattered throughout region. Calving and lambing in full swing. Livestock in good shape. Pruning a principal activity. Hay supplies short and expensive.

WEST VIRGINIA: Temperatures 4 to 10° below normal. Extremes: 39 and -8°. Precipitation well below normal.

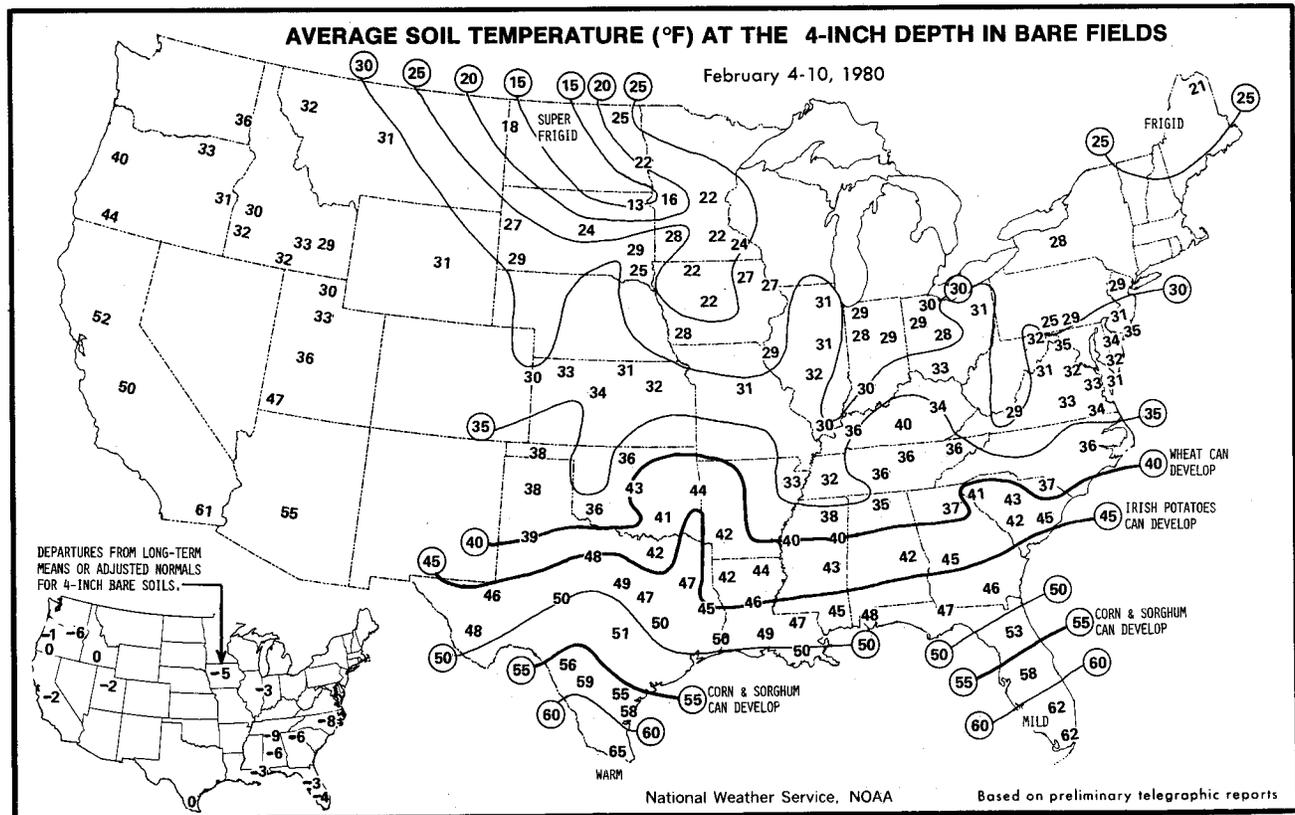
Soil moisture adequate. Fieldwork: 1.9 days suitable. Supplies of grain, hay, other feeds adequate. Fuel supplies adequate. Some spreading lime, fertilizer.

WISCONSIN: Temperatures below normal. Highs in low to mid-20's. Overnight lows below zero except near Lake Michigan and when cloud cover prevailed early week. Snow fell 4th and 5th with heaviest totals southeast. Snowfall amounts 4 to 7 in. southeast, 1 to 3 in. other southern areas, and less than 1 in. north. Light snow occurred near Lake Michigan most of week and statewide weekend,

with extreme north receiving 1 to 2 in. Frost penetration continued to increase. Frost depths averaged 24 in. as of 8th, increase of 8 in. from two weeks earlier. Snow depths averaged 7 in., increase of 3 in. Most of State has 3 to 6 in. snowcover, except heavier amounts southeast and north.

WYOMING: Temperatures mostly above normal. Extremes: 57 and -23°. Precipitation somewhat below normal.

Winter wheat mostly good with snowcover in south. Some winterkill possible in northern areas with light or no snowcover. Livestock generally good condition. Mild winter in many northern areas. Hay supplies adequate.

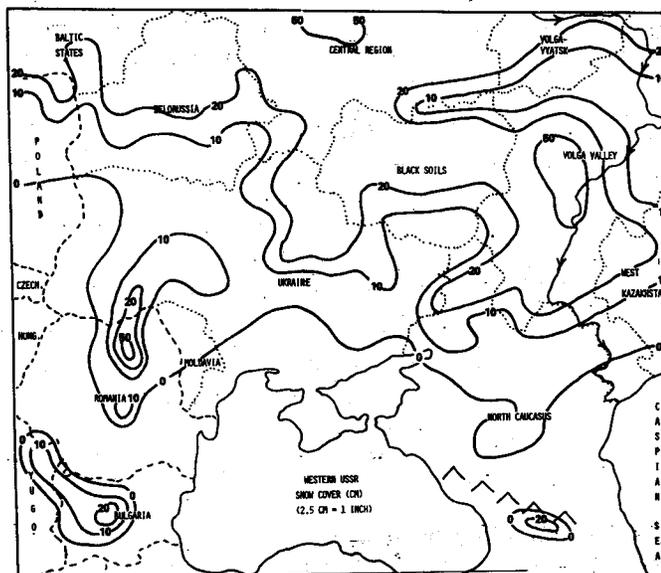


International Weather and Crop Summary

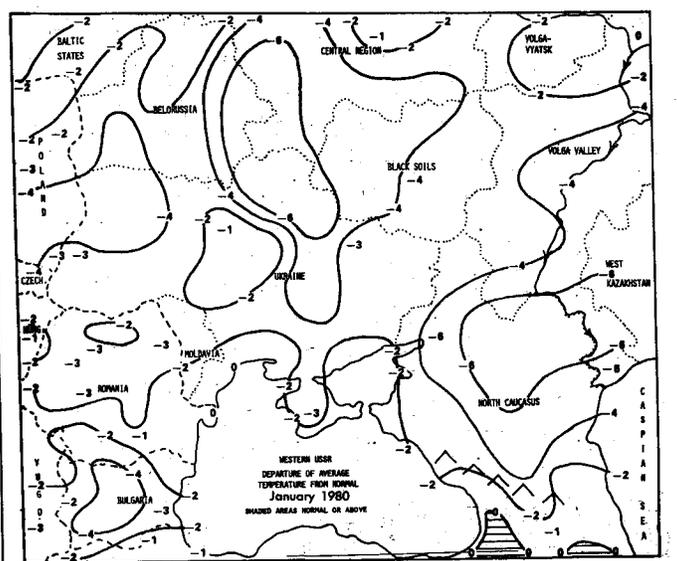
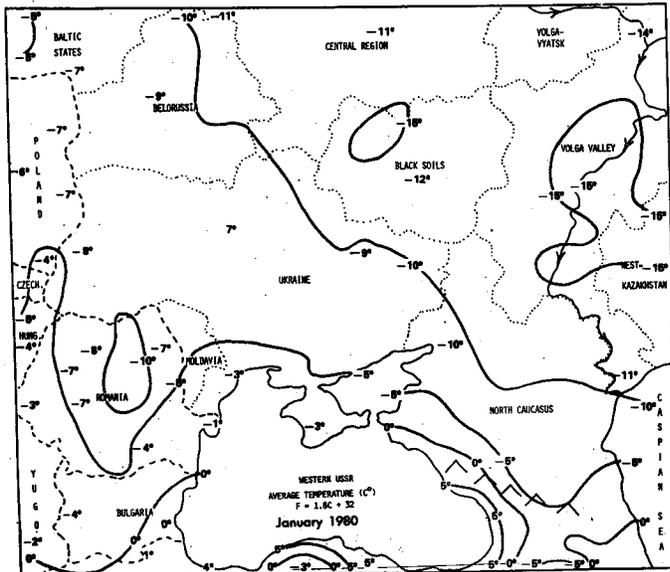
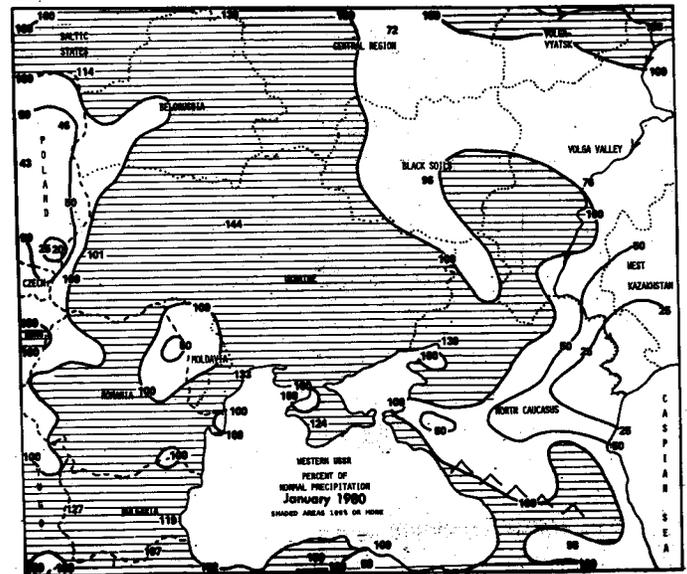
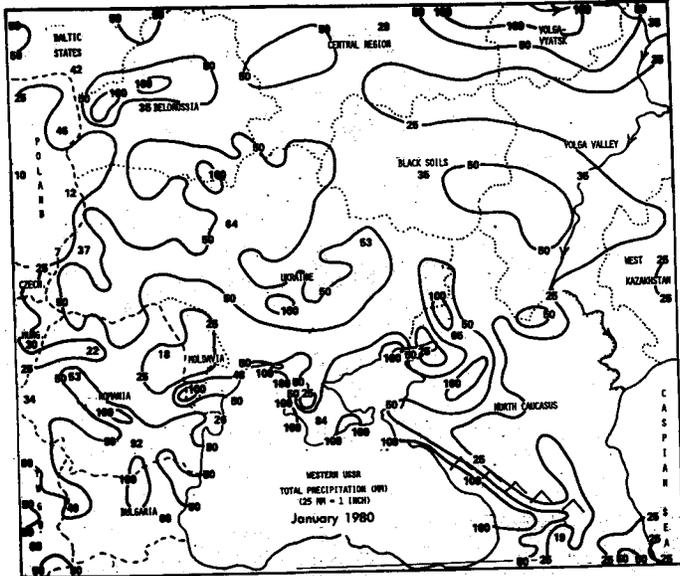
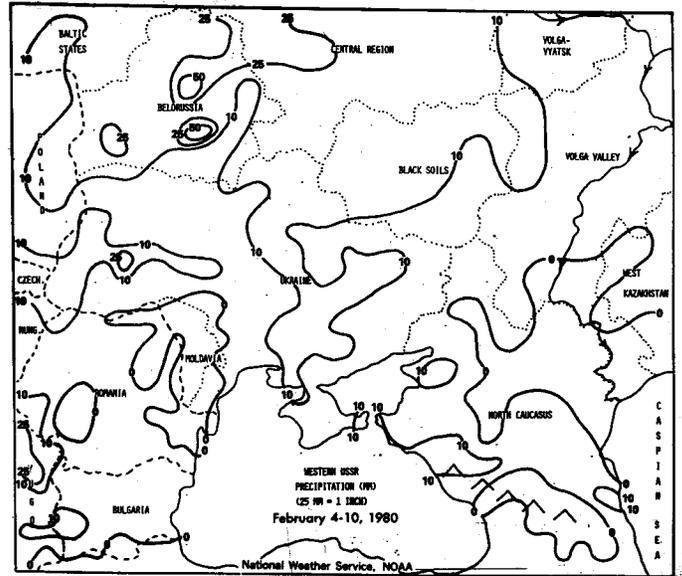
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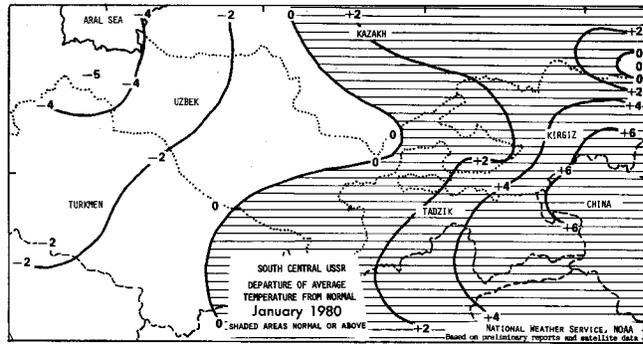
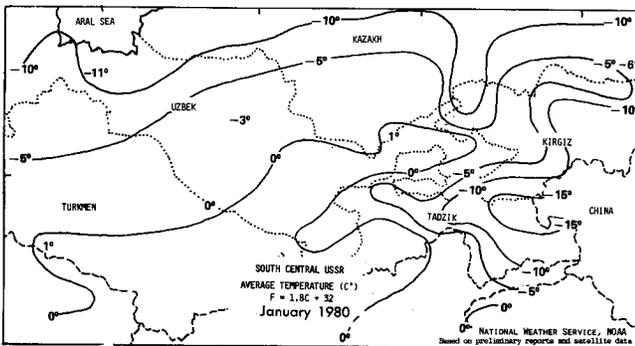
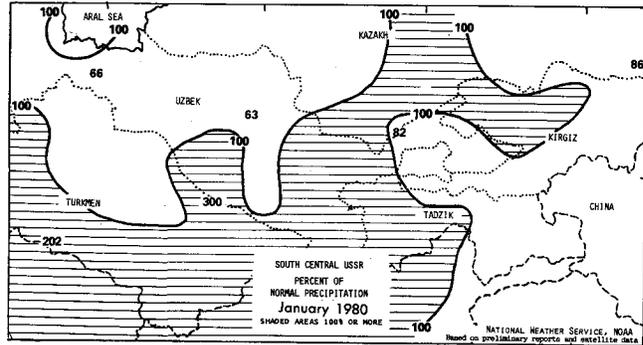
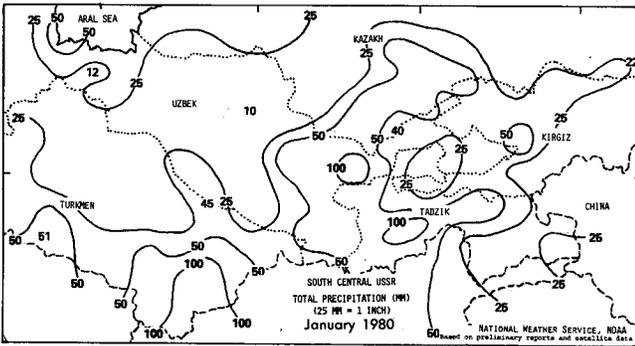
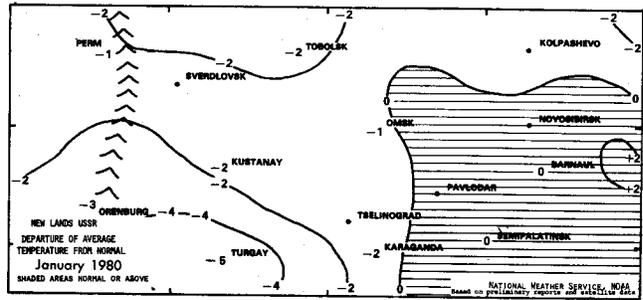
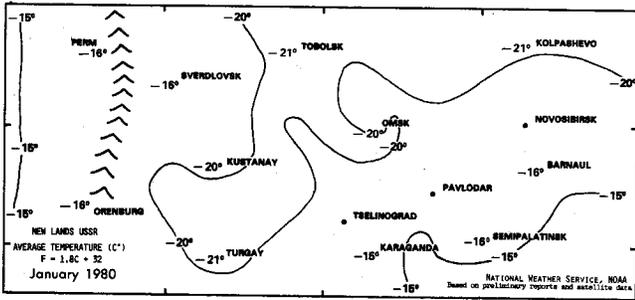
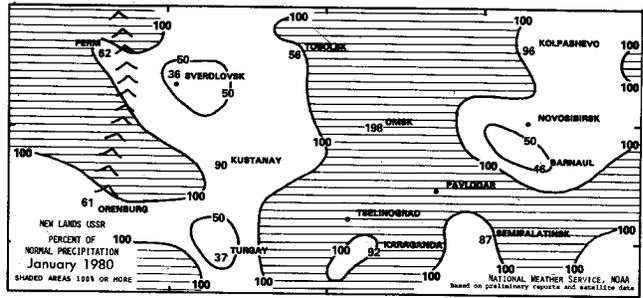
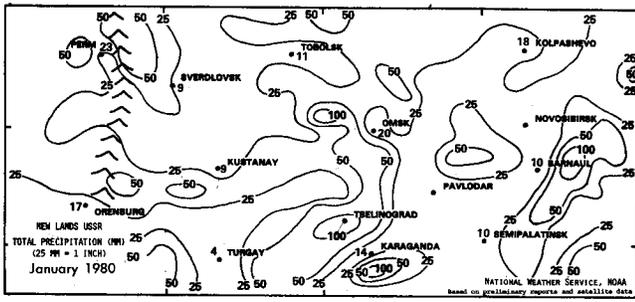
HIGHLIGHTS:

- USSR.** Winter grains dormant...slightly less snowcover.
- EUROPE.** Renewed winter grain growth in the west...good moisture, except Spain.
- CHINA.** Winter grain dormant...too dry north, adequate moisture south.
- INDIA.** Wheat normally beginning to head in north, development 3 to 4 weeks late...condition too dry in most areas.
- AFRICA.** Northwestern: winter grains jointing*...too dry in some areas.
South: early maize nearly mature*...only minor dry areas.
- ARGENTINA.** Maize in dent stage...moisture came too late.
Early soybeans flowering...moisture conditions improved.
- BRAZIL.** Soybeans flowering in Rio Grande do Sul,
pod-setting in Parana...generally favorable weather.
- MEXICO.** Vegetable harvesting...good weather.

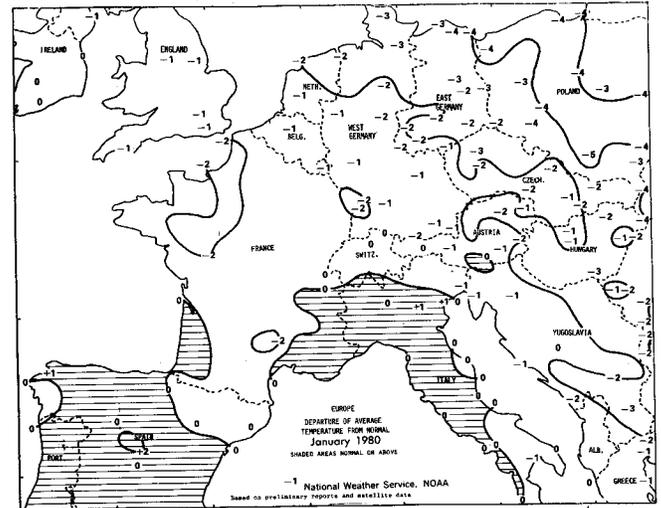
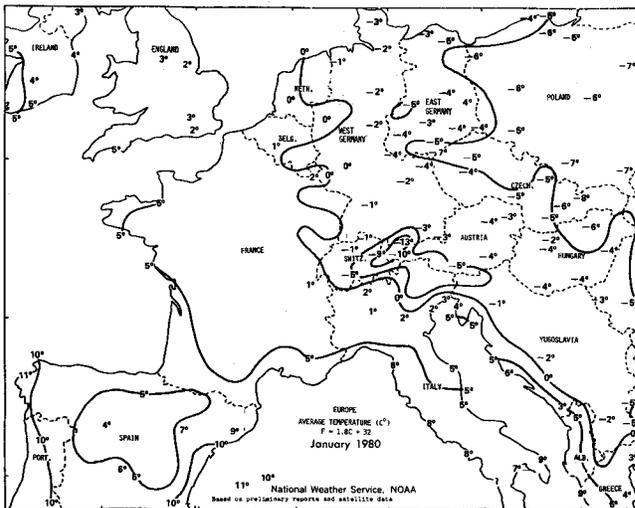
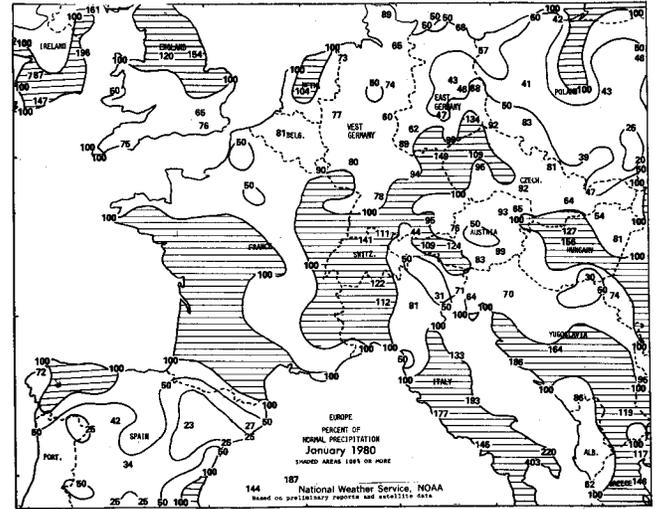
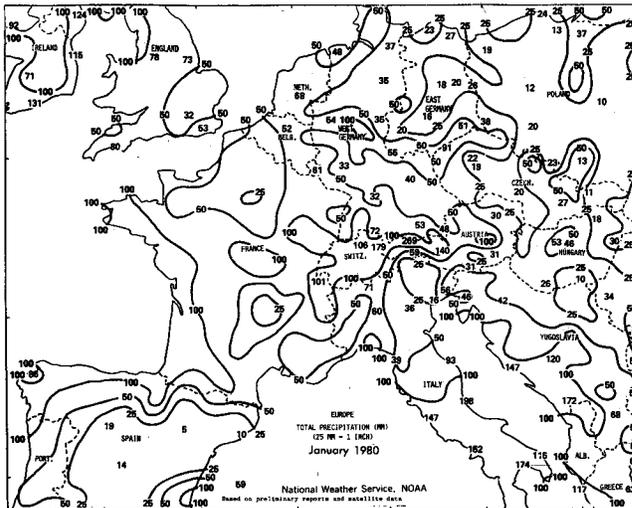
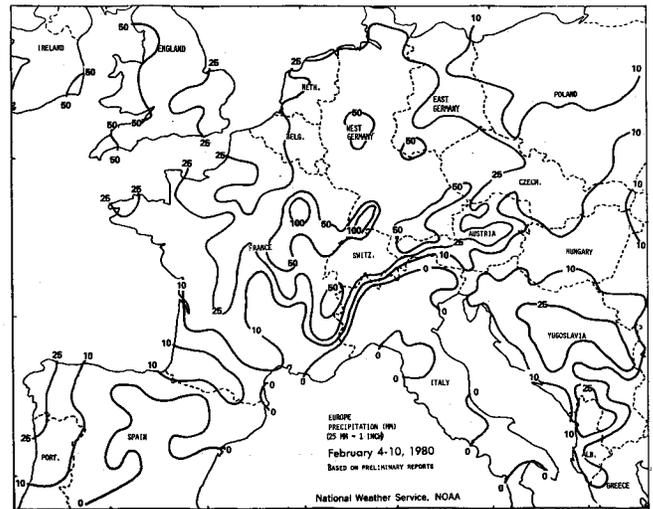


USSR. Snow depths over the winter grain belt decreased slightly during the week, increasing the danger of winterkill. Above-normal January precipitation in most areas had left snowcover sufficient to protect winter grains from much colder than normal temperatures over the course of the month. Cold outbreaks persisted for only short periods, however, and no extreme temperatures were reported, so very little winterkill probably occurred. At the week's end, more snow was falling over portions of the grain belt, but colder air was forecast to move into the area, and some locations remained snow-free. Extensive portions of the New Lands received above-normal snowfall again in January, and snow conservation activity continued. Deficient snowfall, which may lead to dry soils at planting time, has occurred only in an area to the southeast of Sverdlovsk and at scattered locations in the eastern part of the spring grain belt.

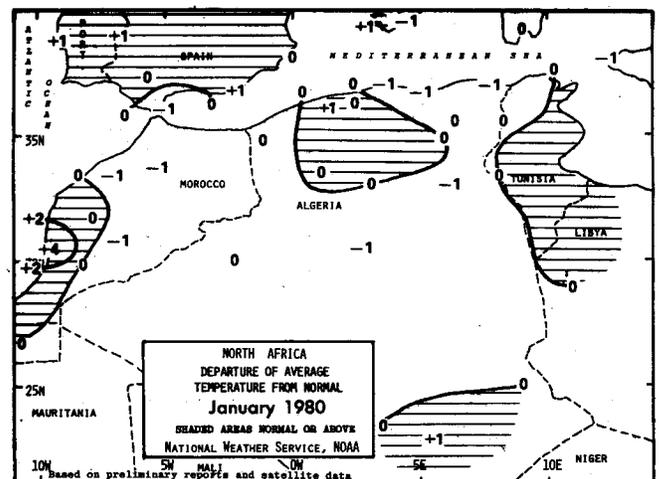
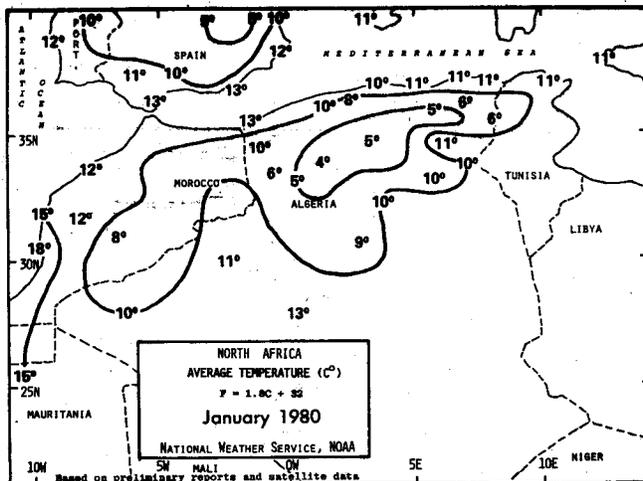
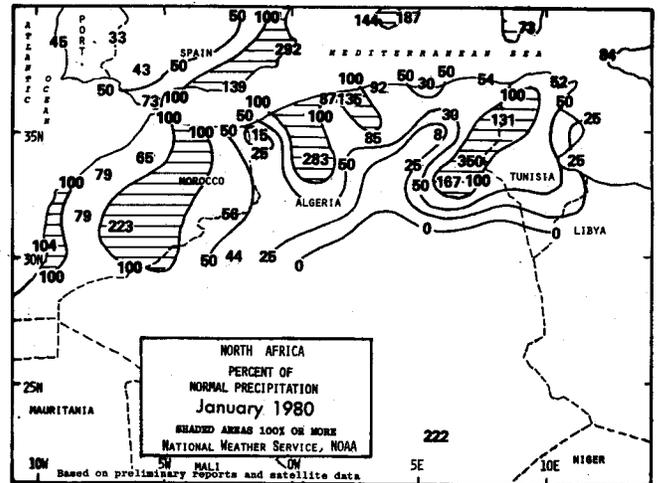
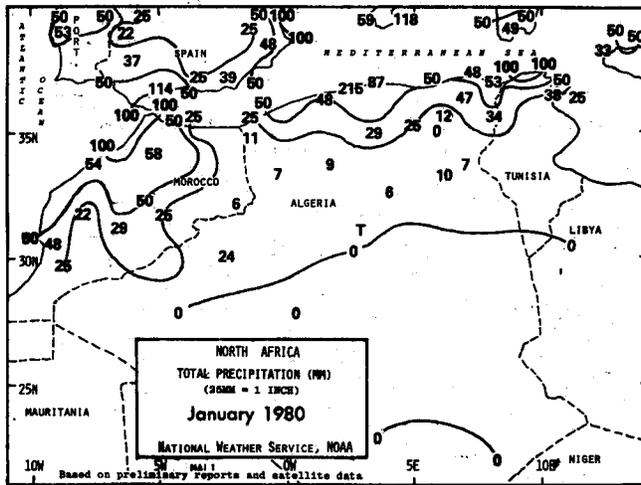
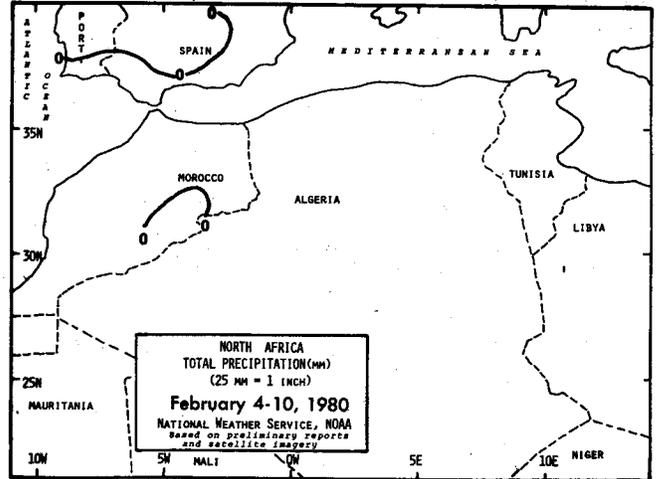




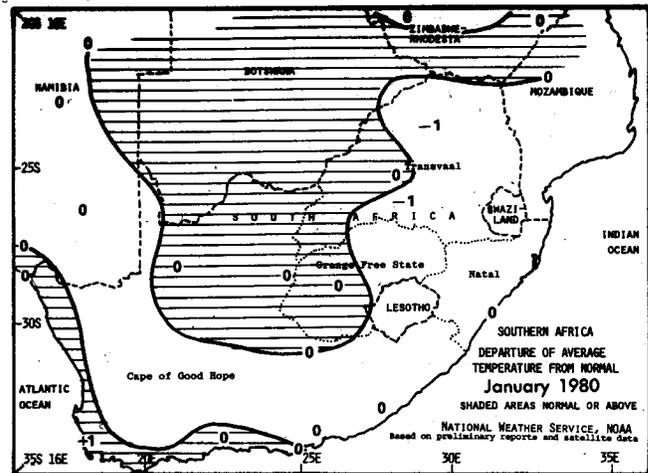
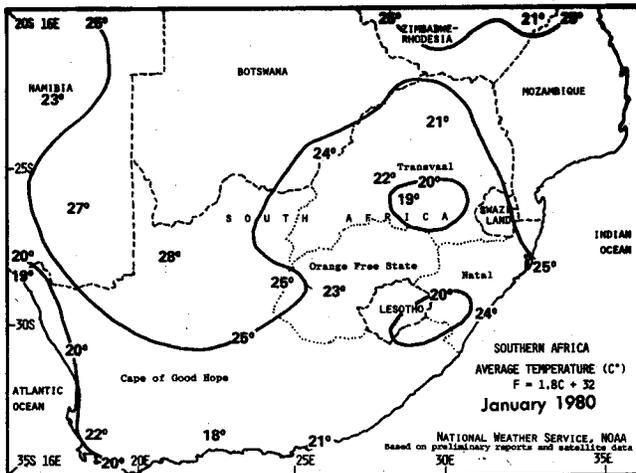
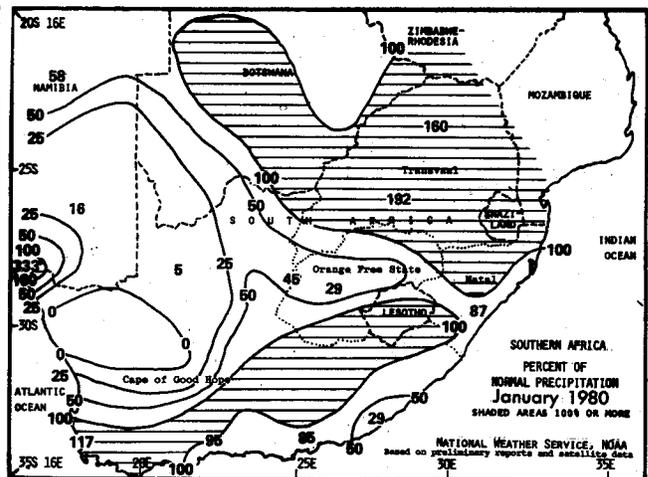
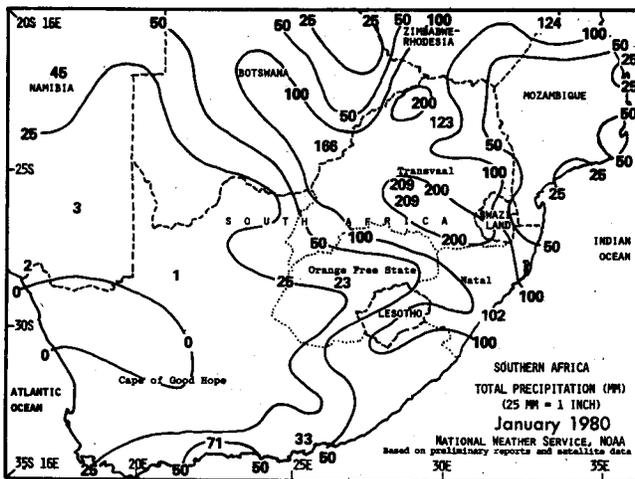
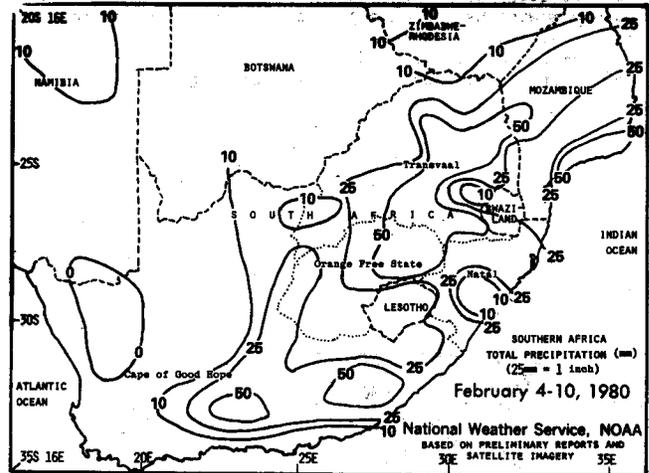
EUROPE. Above-normal precipitation northeast of the Alps continued for a third consecutive week, improving somewhat dry conditions which developed in January from France through East Germany. Temperatures rose sufficiently to allow winter grain growth over much of the northwest. Conditions remained cold and relatively dry to the east in Poland, continuing a January trend, but extreme cold has not penetrated the area. Precipitation increased to above normal in Yugoslavia and Czechoslovakia, improving overwintering conditions. Dry and relatively warm conditions in Italy and Spain posed no problem to winter grains in Italy due to earlier precipitation, but soils in Spain have become dry enough to reduce potential yields. Many locations there have not received adequate precipitation since grain-sowing time last autumn.



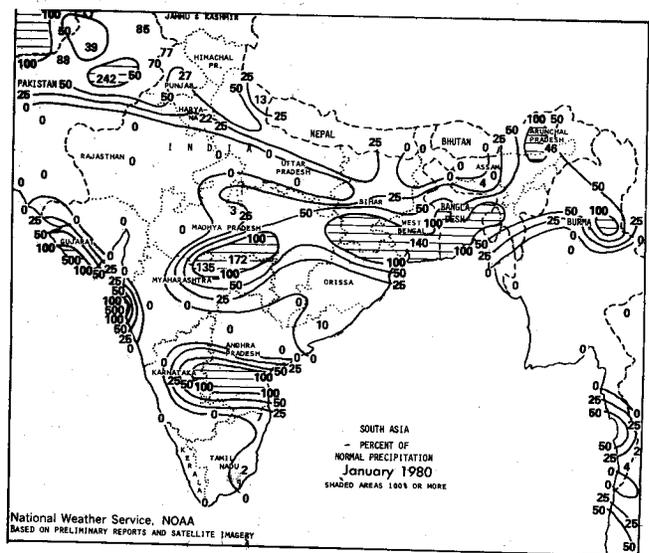
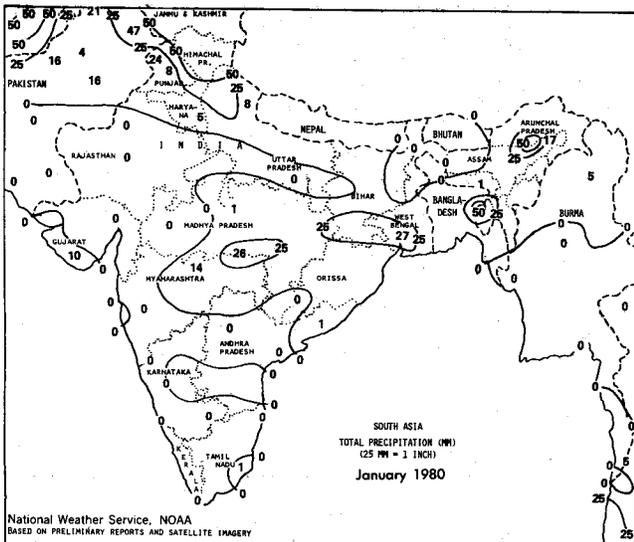
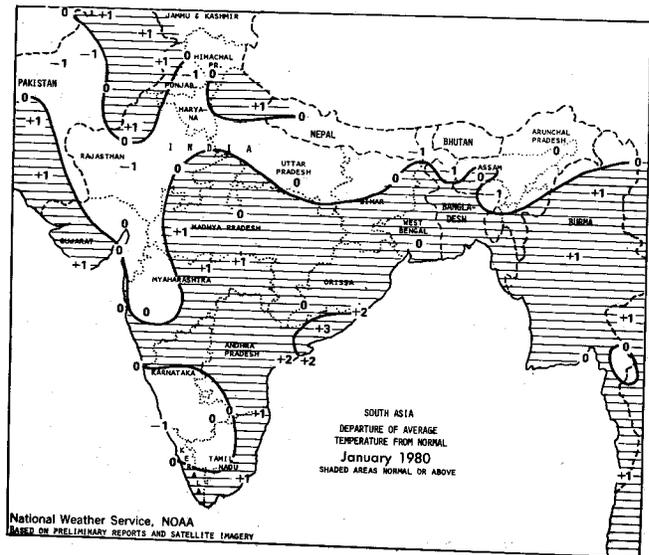
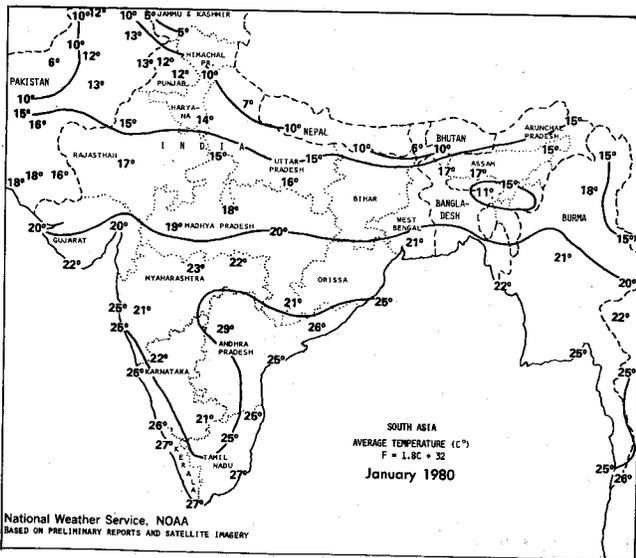
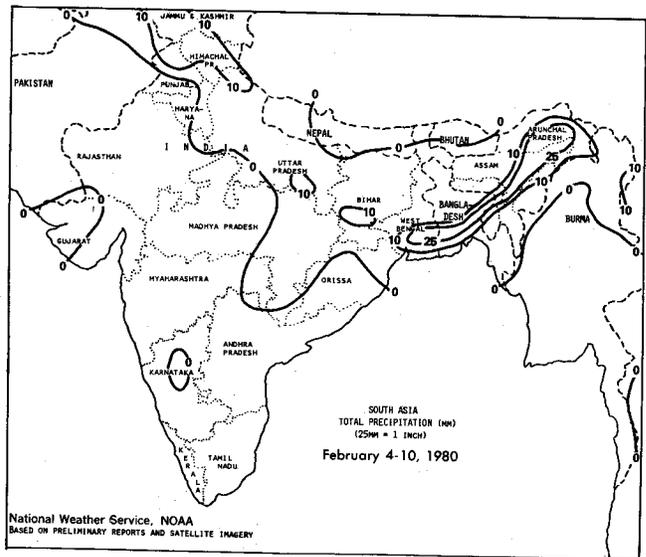
NORTHWESTERN AFRICA. No rain fell in winter grain areas of Morocco and western Algeria for the third consecutive week. January rainfall of 65 to 80 percent of normal in Morocco occurred during a single week, and conditions since autumn sowing have remained unsatisfactory for the most part. Generally, adequate moisture exists in other parts of Algeria and Tunisia, but only in a few areas can conditions be regarded as good for grain growth.



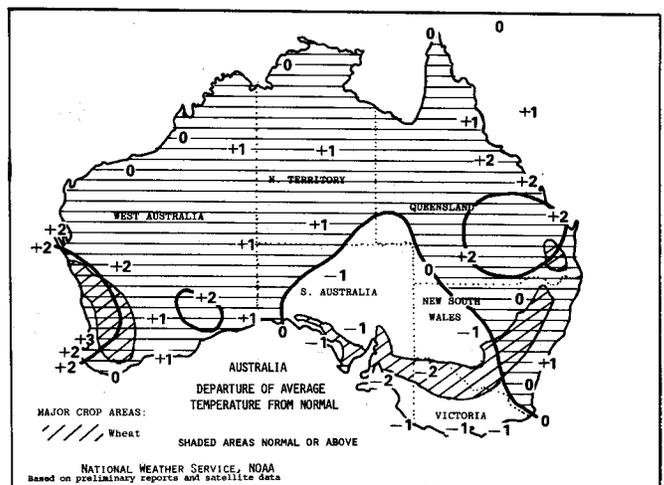
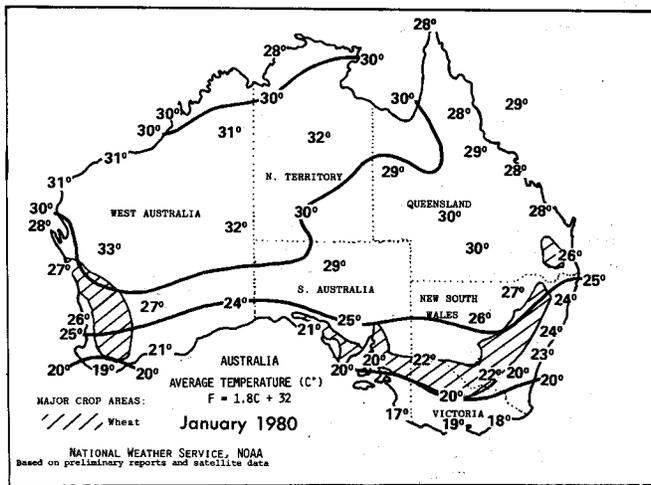
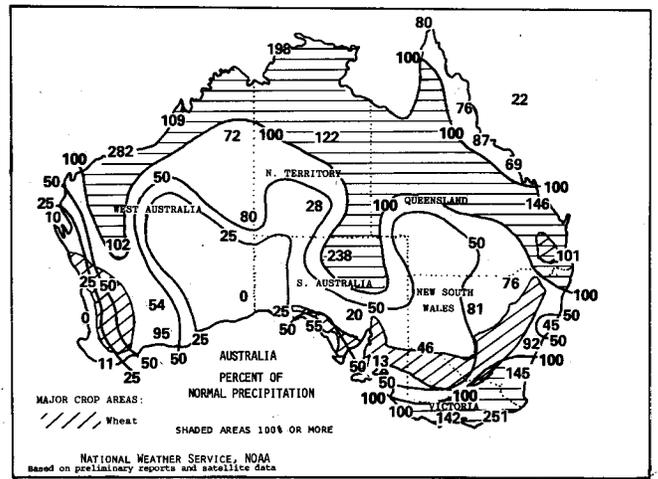
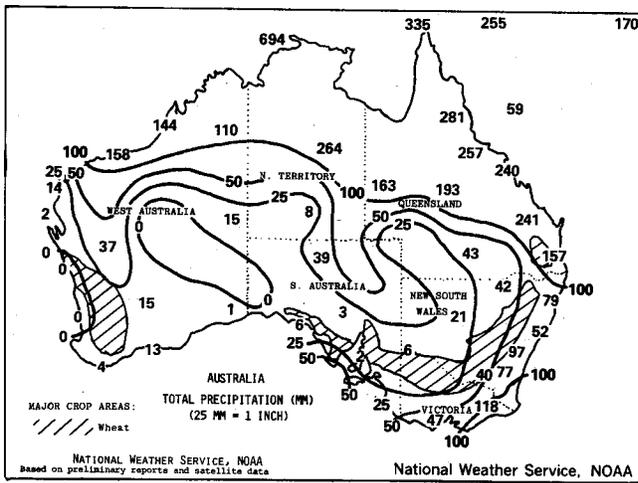
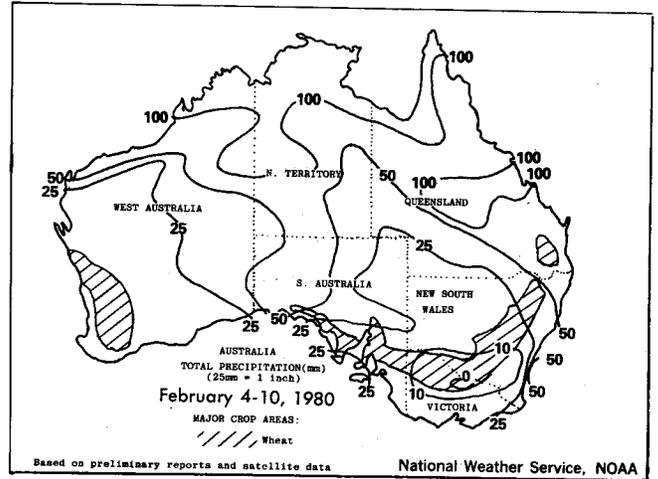
SOUTH AFRICA. Widespread rainfall over most of the Maize Triangle further improved growing conditions in some previously dry areas, and a moisture shortage now persists only in the southwestern Transvaal. January rainfall had dipped to as low as 30 percent of normal in some areas, causing stress from lack of moisture in western portions of the Triangle, though temperatures remained near normal. Apart from this relatively small area, continued good growing conditions have raised hopes of a record crop.



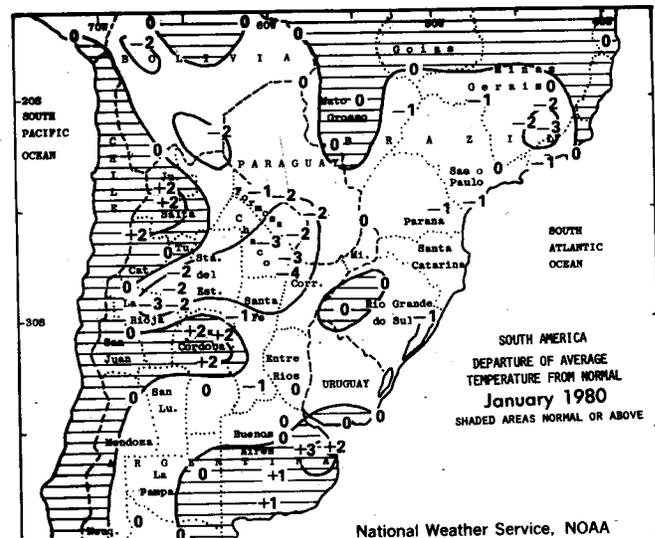
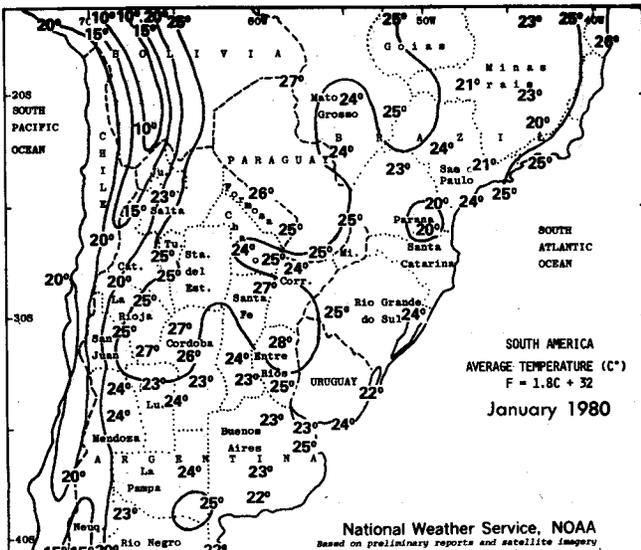
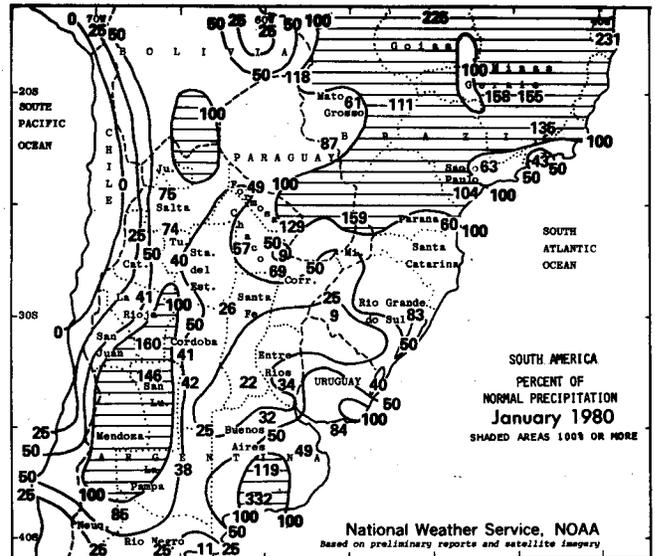
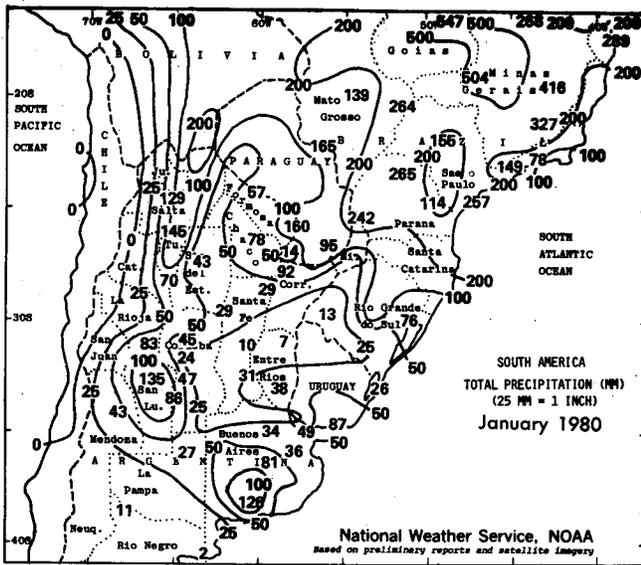
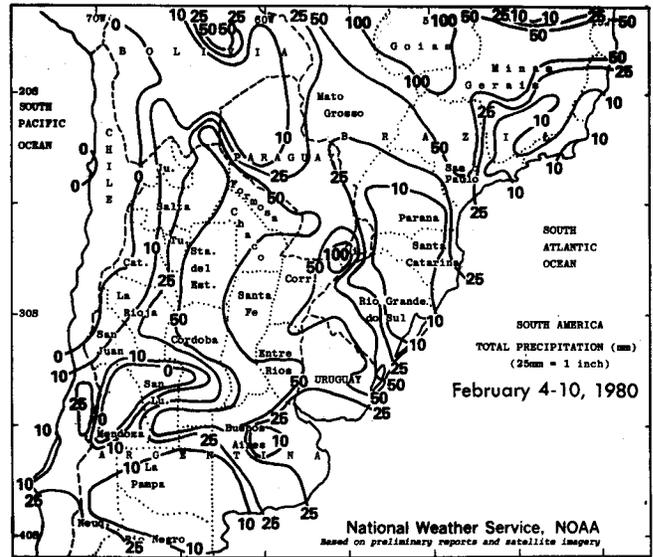
INDIA. Extreme northwestern parts of India's winter wheat belt received light rainfall which improved conditions somewhat, but most of the area remained dry, worsening conditions for unirrigated wheat. Important growing areas in southern Haryana and Uttar Pradesh had received very little rainfall in January. Late autumn sowing means that wheat development is lagging behind normal, and wheat heading will occur under much warmer than normal conditions. Substantial water stress could develop in unirrigated fields if more widespread rain does not arrive soon.



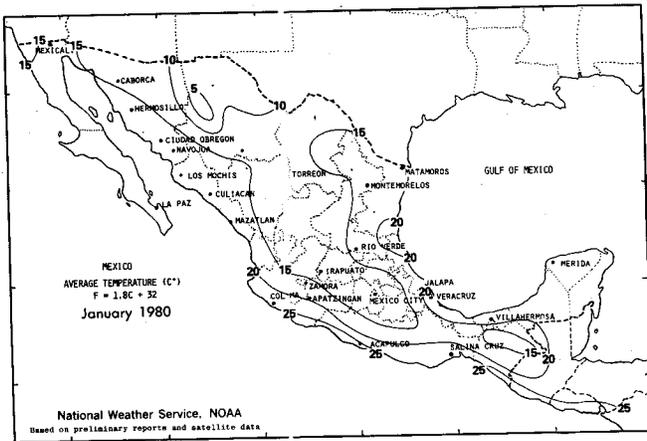
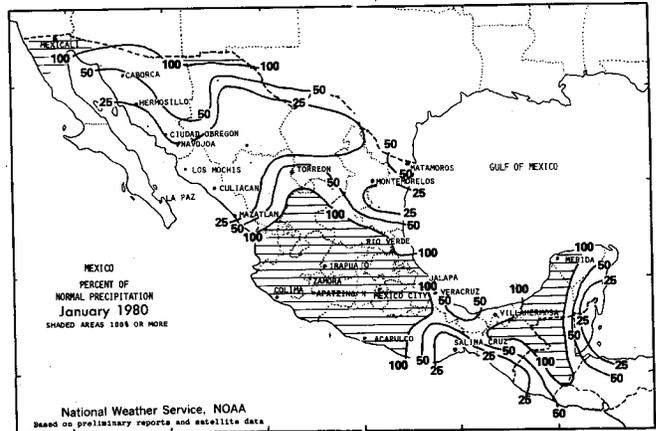
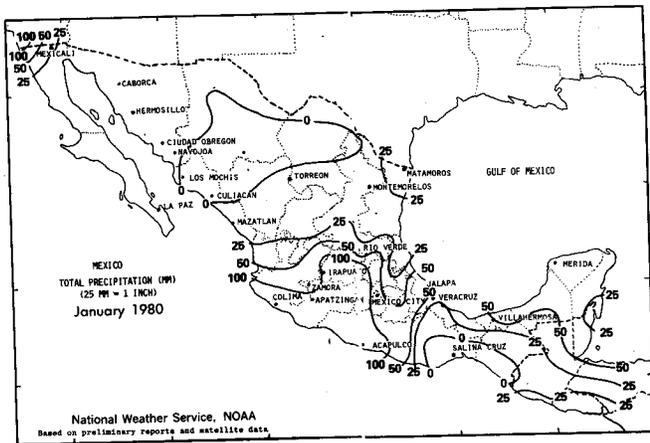
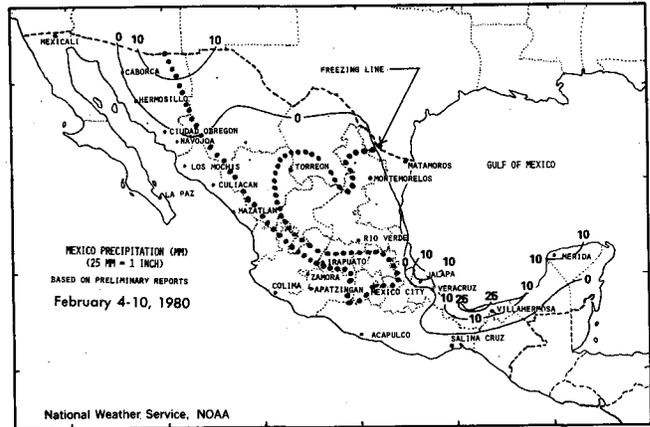
AUSTRALIA. The zone of heavy rainfall across the north moved inland and brought relief to areas that were becoming dry in recent weeks. Overall, good quantities of rain had fallen during January in northern areas, while favorable harvest weather had persisted over winter grain areas in the south.



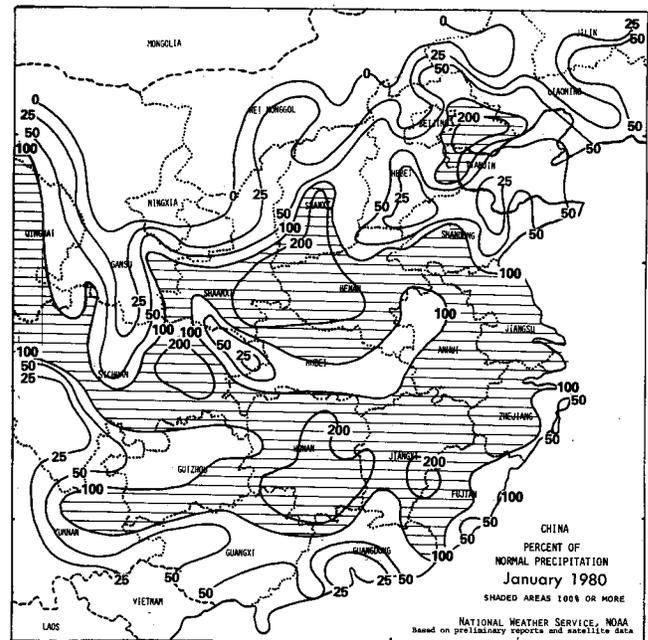
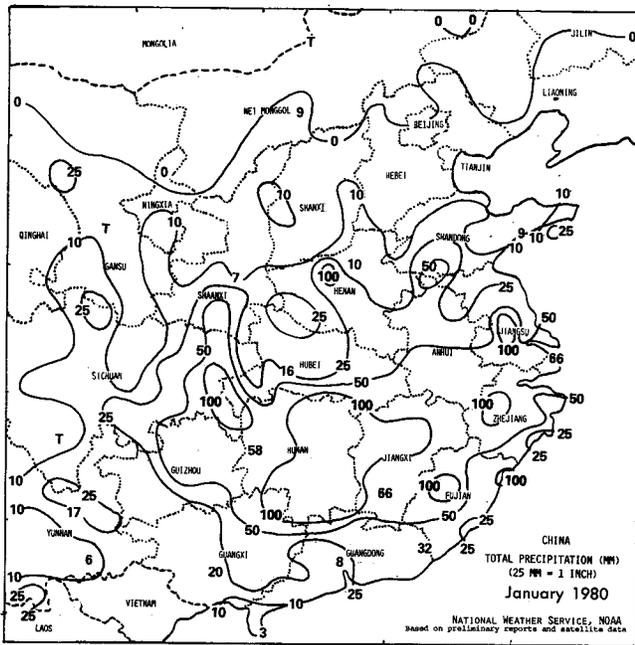
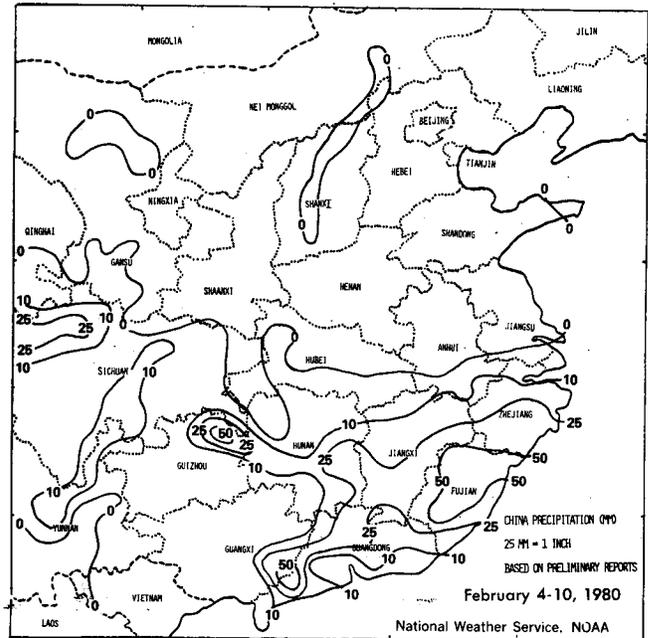
SOUTH AMERICA. Relatively abundant rainfall in the maize/soybean-growing area of Argentina improved conditions for soybeans but came too late to help maize. Soybeans were in the flowering stage and the moisture did much to promote and extend flowering. Much drier than normal weather in January had impaired flowering of maize, even though temperatures did not rise much above normal. Most of the late soybeans (those double cropped with wheat) did not get planted due to the dry soils, so production shortfalls may be due primarily to a reduced crop area. In Brazil, continued rainfall in western soybean areas of Rio Grande do Sul had dramatically improved growing conditions. January rainfall left soils in that area too dry as soybeans entered the flowering stage. Light rainfall in other soybean areas last week had no detrimental effect, and favored the beginning of the soybean harvest in Parana.

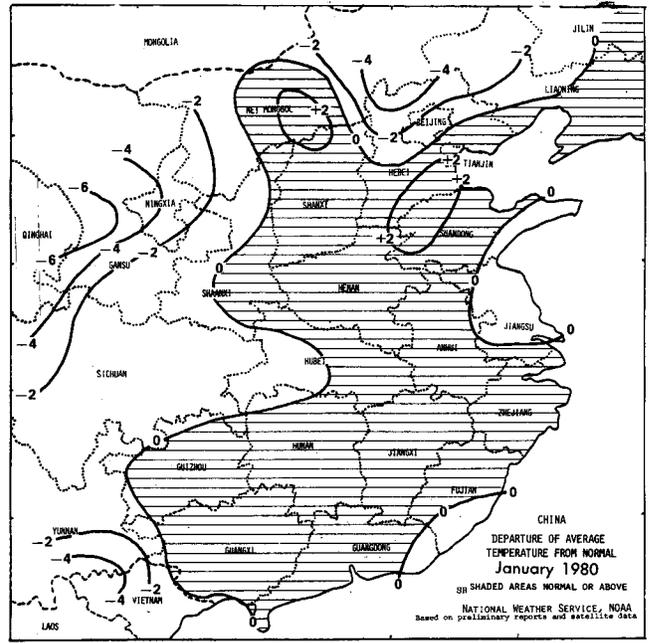
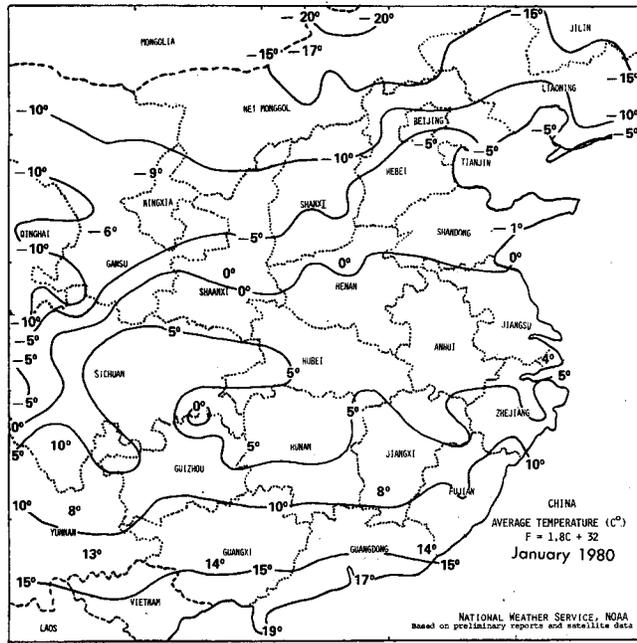


MEXICO: Dry and mild weather prevailing over the major agricultural areas this week, favored vegetable and fruit development and harvesting. However, temperature minima neared freezing in cold pockets of the central plateau strawberry region. West coast vegetable areas were slightly warmer than the norm. Culiacan's overnight minima averaged 14°C with a relative humidity of 90 percent, while afternoon maxima averaged 28°C with a 47-percent humidity. In January, heavy rains fell across the southwest coast and central plateau and greatly improved soil moisture for corn and beans. However, the wetness may have caused some disease, insect, and weed problems in vegetables. Some citrus orchards may be slightly dry at Montemorelos and Ciudad Victoria but have adequate moisture elsewhere. The drought, which began last summer, continued over most of the northwest and north central states. Reservoir levels remain relatively low. West coast vegetables generally had excellent weather in January.



CHINA. Dry weather prevailed over the North China Plain, while near-normal precipitation fell south of the Yangtze River. These continued rains in the south further improved conditions for spring planting. Winter grains remained dormant in nearly all areas, and adequate moisture was present in most areas due to generally above-normal January precipitation. However, dryness in parts of Hebei and northern Shandong dating back to August has caused the loss of some overwintering wheat, even though temperatures in that region have stayed above normal since November. The affected area comprises a minor portion of total winter grain production.





HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING FEB. 10, 1980.
 BASED ON 1941-70 NORMALS. + ACCUMULATION FROM JULY 1, 1979.

STATES AND STATIONS	WEEKLY		SEASONAL ACCUMULATION +		STATES AND STATIONS	WEEKLY		SEASONAL ACCUMULATION +		STATES AND STATIONS	WEEKLY		SEASONAL ACCUMULATION +				
	TOTAL	DEPARTURE*	TOTAL	DEPARTURE*		TOTAL	DEPARTURE*	TOTAL	DEPARTURE*		TOTAL	DEPARTURE*	TOTAL	DEPARTURE*			
ALA. BIRMINGHAM...	205	658	1568	31	112	MAINE. CARBON...	363	15	5450	487	523	OKLA. OKLAHOMA CITY...	531	5	4051	59	107
MOBILE...	135	458	1204	14	57	PORTLAND...	318	14	4457	113	189	TULSA...	508	5	2944	74	578
MOBILE...	135	458	1204	14	57	PORTLAND...	318	14	4457	113	189	TULSA...	508	5	2944	74	578
ARK. FORT SMITH...	202	650	2487	14	101	MD. BALTIMORE...	253	35	2881	178	62	OREG. ASTORIA...	208	2	2616	43	88
LITTLE ROCK...	221	729	2219	12	34	MASS. BOSTON...	271	20	3358	82	177	BURNS...	208	2	2616	43	88
CALIF. BAKERSFIELD...	198	650	1030	24	107	MICH. ALPENA...	301	30	4163	30	10	PORTLAND...	208	2	2616	43	88
FRESNO...	198	650	1030	24	107	MINN. BLOUTH...	301	30	4163	30	10	SCOTTSDALE...	208	2	2616	43	88
LOS ANGELES...	198	650	1030	24	107	ROCHESTER...	301	30	4163	30	10	SPRINGFIELD...	208	2	2616	43	88
SAN DIEGO...	198	650	1030	24	107	ST. LOUIS...	301	30	4163	30	10	TEMPERLEY...	208	2	2616	43	88
SAN JOSE...	198	650	1030	24	107	ST. LOUIS...	301	30	4163	30	10	TEMPERLEY...	208	2	2616	43	88
STOCKTON...	198	650	1030	24	107	ST. LOUIS...	301	30	4163	30	10	TEMPERLEY...	208	2	2616	43	88
COLO. DENVER...	261	821	3821	100	552	MISS. JACKSON...	77	77	1921	292	57	TEX. ABERDEEN...	208	2	2616	43	88
GRAND JUNCTION...	261	821	3821	100	552	MO. COLUMBIA...	77	77	1921	292	57	DAK. ABERDEEN...	208	2	2616	43	88
PUEBLO...	261	821	3821	100	552	KANSAS...	77	77	1921	292	57	HARTFORD...	208	2	2616	43	88
CONN. BRIDGEPORT...	261	821	3821	100	552	LOUIS. LOUIS...	77	77	1921	292	57	PHILADELPHIA...	208	2	2616	43	88
HARTFORD...	261	821	3821	100	552	LOUIS. LOUIS...	77	77	1921	292	57	PITTSBURGH...	208	2	2616	43	88
DEL. WILMINGTON...	261	821	3821	100	552	MONT. BILLINGS...	77	77	1921	292	57	SCRANTON...	208	2	2616	43	88
D.C. WASHINGTON...	261	821	3821	100	552	GLASSBORO...	77	77	1921	292	57	SPRINGFIELD...	208	2	2616	43	88
FLA. PALM BEACH...	261	821	3821	100	552	GREAT FALLS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
DAYTONA BEACH...	261	821	3821	100	552	HAVRE...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
DAYTONA BEACH...	261	821	3821	100	552	HAVRE...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
JACKSONVILLE...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
LAKELAND...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
ORLANDO...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
TALLAHASSEE...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
WEST PALM BEACH...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
GA. ATLANTA...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
AUGUSTA...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
SAVANNAH...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
IDAHO. BOISE...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
LEWISTON...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
POCATELLO...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
ILL. CHICAGO...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
CHICAGO...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
ROCKFORD...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
SPRINGFIELD...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
IND. INDIANAPOLIS...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
SOUTH BEND...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
IOWA. BURLINGTON...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
BES HORNES...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
DUBOUISE...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
LUVERNE...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
KANS. CONCORDIA...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
BODDIE CITY...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
LANCASHIRE...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
MICHTA...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
KY. CINCINNATI...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
LARE CHARLES...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
SARASOTA...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
LA. BATON ROUGE...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
MONROE...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88
SARASOTA...	261	821	3821	100	552	INDIANAPOLIS...	77	77	1921	292	57	TEMPERLEY...	208	2	2616	43	88



FIRST CLASS MAIL

CROP PRODUCTION HIGHLIGHTS

CITRUS production is expected to total 15.6 million tons, 1 percent more than the January 1 forecast and 18 percent above the 1978-79 season.

ORANGE output is forecast at 261 million boxes, 1 percent above the previous month's forecast and 24 percent more than last season.

GRAPEFRUIT production is placed at 67.6 million boxes, unchanged from last month but 1 percent above last season.

LEMON production is forecast at 19.6 million boxes, the same as January 1 prospects but 1 percent above last season.

WINTER POTATO production is forecast at 2.39 million cwt, up 2 percent from the January 1 forecast and slightly above last season's total.

Crop Reporting Board, ESCS, USDA

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

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

River	Stations	Forecast	
		1,000 Acre-feet	Percent 15-year average
Columbia	Grand Coulee, WA	55,800	82
Columbia	The Dalles, OR	83,900	81
Snake	Lower Granite, WA	17,800	77
Sacramento	Red Bluff, CA	8,200	92
San Joaquin	Big Creek, CA	1,750	137
Weber	Gateway, UT	326	106
Jordan	Utah Lake, UT	285	117
Truckee	L. Tahoe-Farad	265	97
Colorado	L. Powell infl.	8,350	120
Green	Green River, UT	3,500	118
San Juan	Bluff, UT	1,100	127
Little Colo.	Woodruff, AZ	15.1	125
Gila	Solomon, AZ	112	81
Rio Grande	San Marcial, NM	444	135
Arkansas	Pueblo, CO	364	139
Missouri	Ft. Peck, MT	2,562	52
Yellowstone	Sidney, MT	5,376	69
North Platte	Glendo, WY	967	100

National Weather Service
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