

# WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration,  
National Weather Service

U.S. DEPARTMENT OF AGRICULTURE  
Statistical Reporting Service  
and World Agricultural Outlook Board

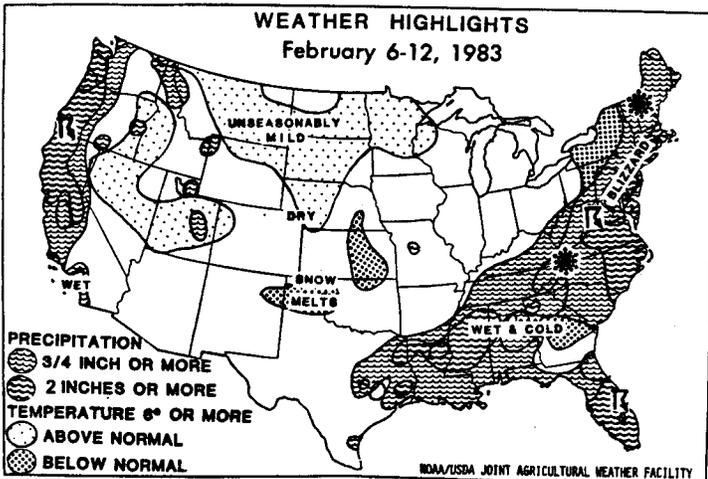
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Feb. 15, 1983

## National Weather Summary

February 6 to 12



**HIGHLIGHTS** ... Snow covered the Northeastern States with relatively small amounts west of the Appalachians but with amounts ranging from 10 to 36 inches from southwestern Virginia to eastern Maine. Many areas recorded record snow depths. Near-blizzard to blizzard conditions from northern Virginia to New England drifted snow to even greater depths. Thunderstorms produced green lightning at the height of the snowstorm. Storm deepened in the Gulf of Mexico and spread moderate to heavy precipitation from eastern Texas through the South, the Tennessee Valley, the Appalachians, and the East Coast States. A series of cold fronts moved into the West and spread rain, snow, and high winds from the coast to the Rockies. Temperatures averaged colder than normal in the East and in the central and southern Plains. Parts of the northern Plains were as much as 12 to 14° warmer than normal. All of the area west of the Rockies was warmer than normal. Protective snow cover melted over most of the Plains wheatlands.

**SUNDAY** ... A low-pressure system moved from the Florida Panhandle northward along the coast. Rain spread from Florida to South Carolina and into Tennessee, and snow fell through the Appalachians and from North Carolina to southern New England. Heavy snow accumulated in the mountains of North Carolina and along the coast from Delaware to southern New England. Lighter snow covered the Great Lakes region and the Ohio Valley. Another storm spread rain over the West Coast States, over the Plateau, and into Arizona. Snow fell in the mountain area and the northern Rockies.

**MONDAY** ... The storm system moving along the east coast spread heavy snow through New England and lesser amounts from the central Appalachians

through New York. Freezing drizzle turned to light rain from Maryland through New Jersey as temperatures warmed, and light snow continued in the eastern Great Lakes region. Bitterly cold weather spread into the northern Plains and subzero temperatures covered the northern Mississippi Valley. Precipitation continued throughout the West from the coast to the northern and central Rockies. Snow fell at all higher elevations, and some heavy rain and snow fell in parts of California.

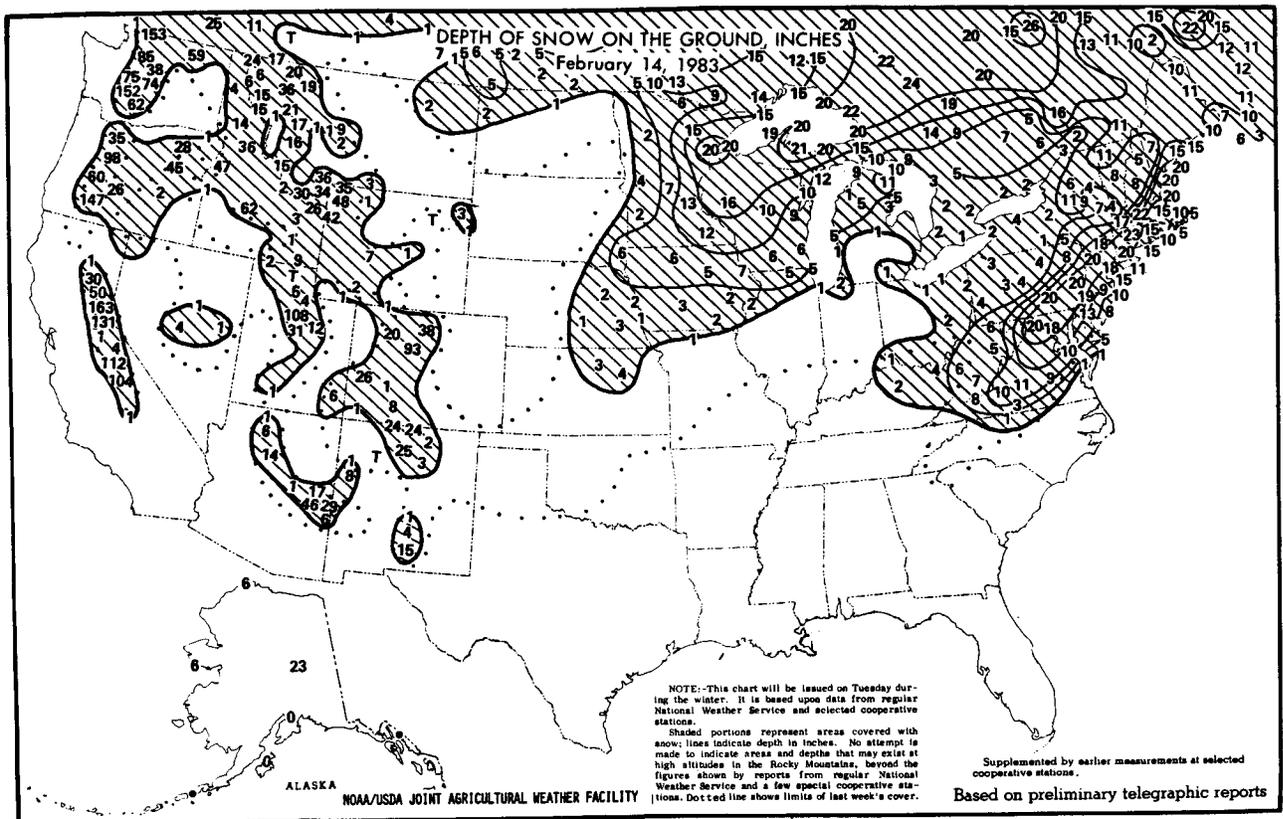
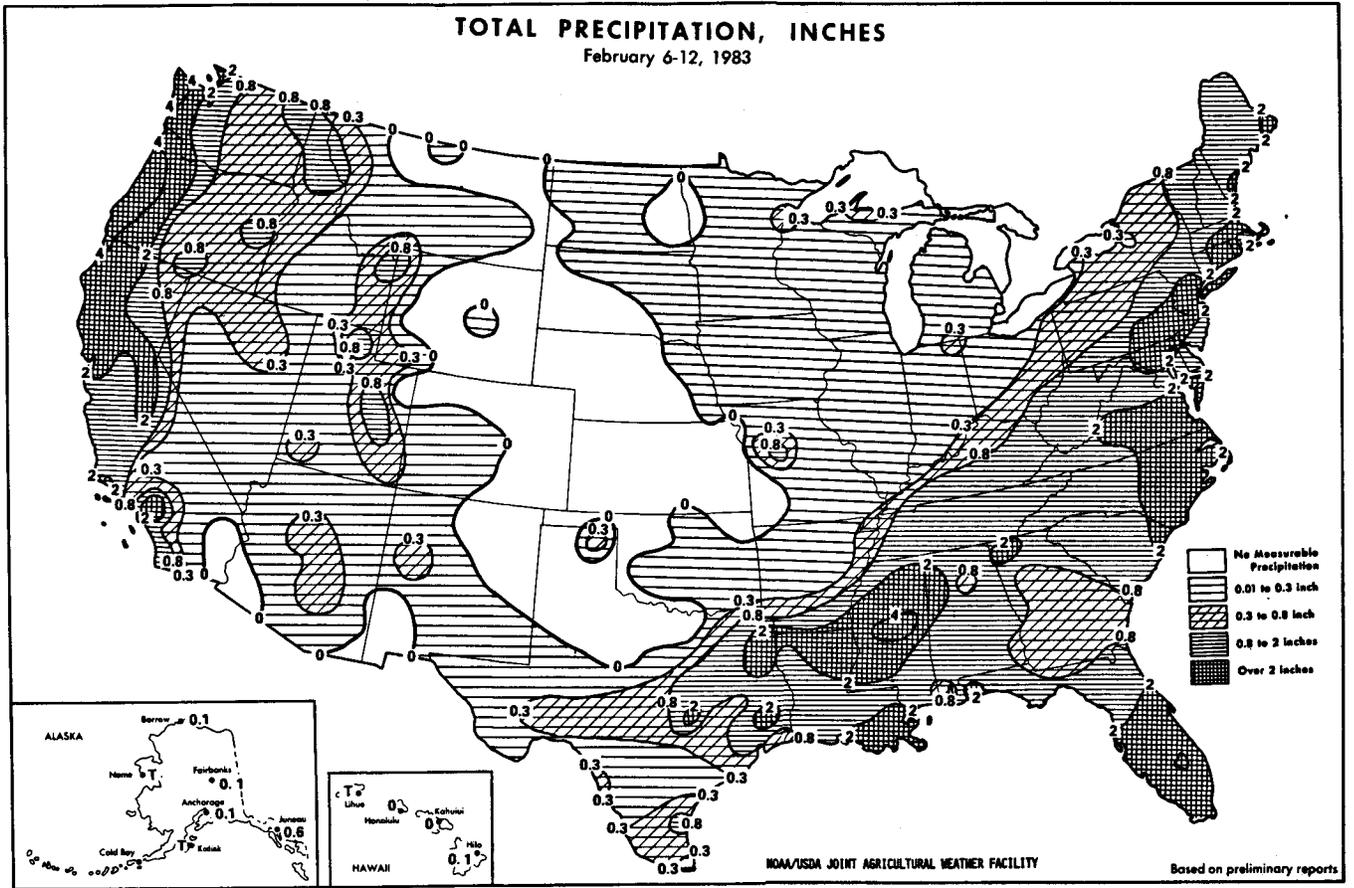
**TUESDAY** ... Heavy snow continued over northern Maine, while lighter amounts fell over the rest of New England and New York. Storms continued to move onto the west coast, spreading precipitation to the Rocky Mountains. Snow covered all of the mountain areas of the West. High winds through most of the West made travel hazardous in the snowy areas. Rain fell in lower elevations of New Mexico and spread into southwestern Texas and then into Oklahoma and the lower Mississippi Valley. Cold weather feeding into the northern Plains spread over most of the East with early morning freezes reaching the Florida Panhandle.

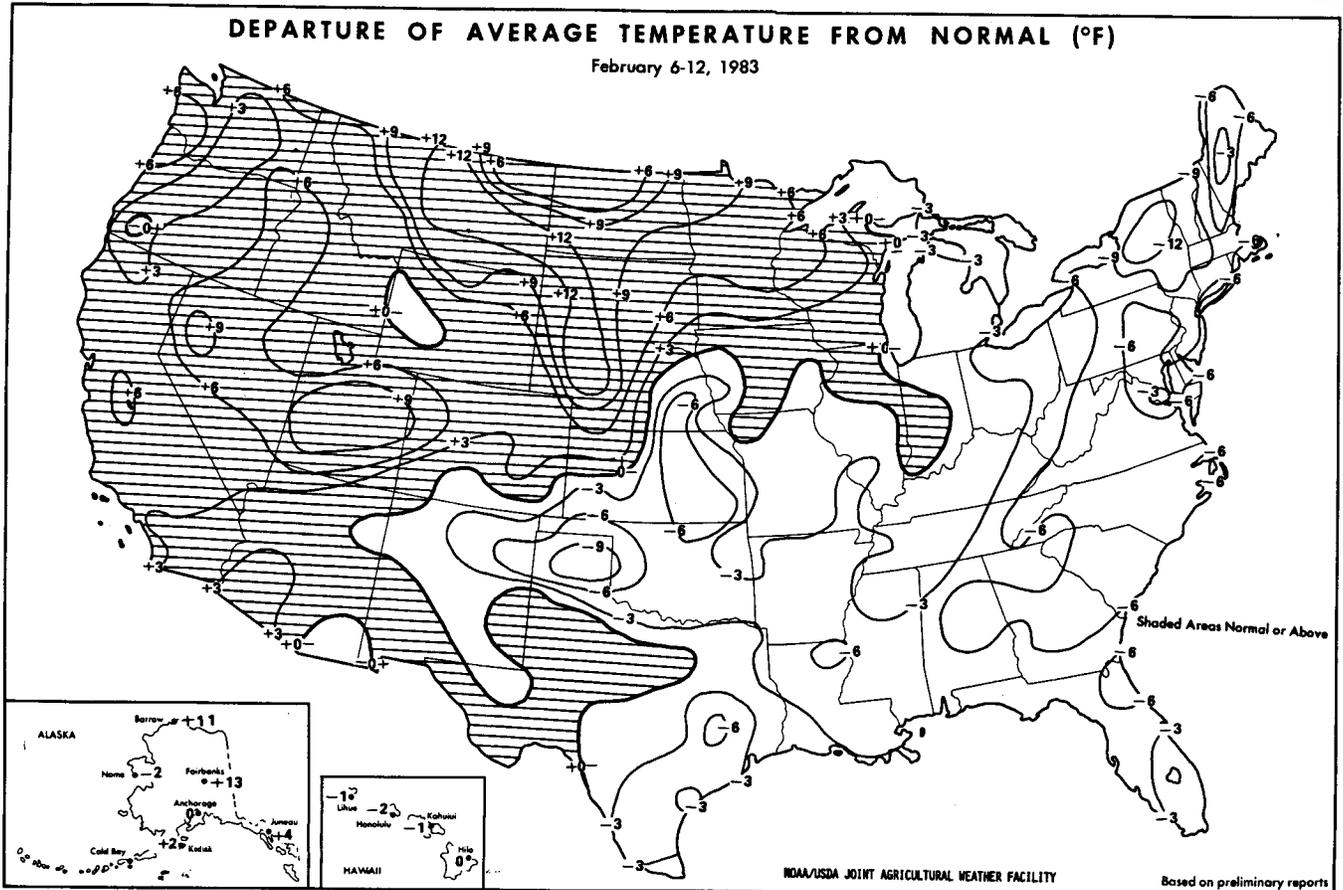
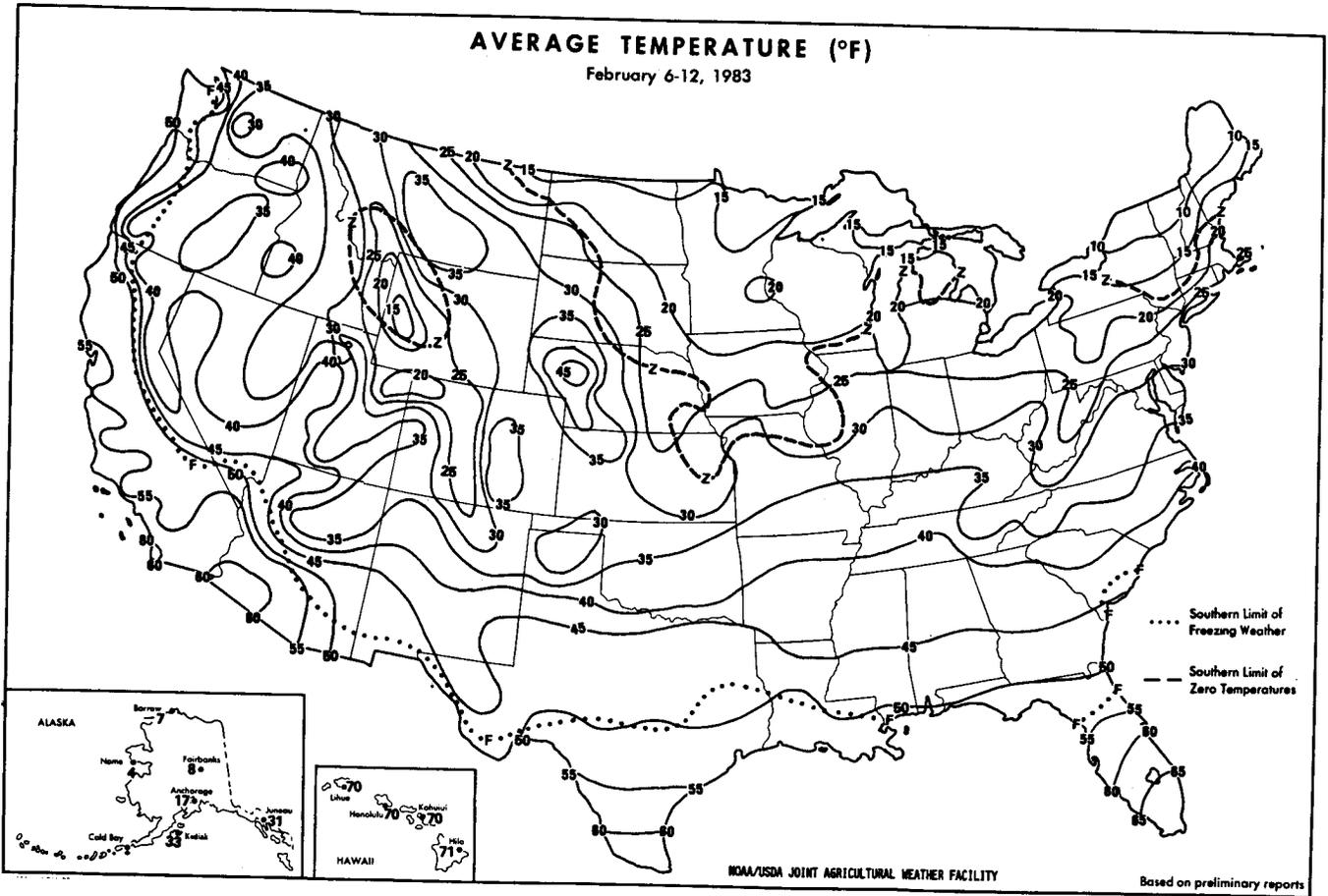
**WEDNESDAY** ... Rain and snow continued in the Northwest with rain covering the lower coastal areas to northern California and snow over the rest of the Northwest to the central Rockies. Showers developed from eastern Texas and Oklahoma through Tennessee and Alabama into the southern Appalachians. Thunderstorms spread heavy rain across much of the gulf coast. Freezing temperatures spread through the Southeast to the northern part of the Florida Peninsula.

**THURSDAY** ... A deepening low-pressure system moved from the Gulf of Mexico to the southeast coast. Rain and snow spread from the lower Mississippi River through the Southeast and through the Ohio Valley to the mid-Atlantic States. Rain was heavy at times through the Southeast. The storm deepened as it moved northward along the east coast, and snow began late in the day in western North Carolina. By the end of the day, the snow had spread into West Virginia and

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Weather Data for the Week Ending Feb. 12, 1983

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 Nov. 28	PCT. NORMAL SINCE Nov. 28	TOTAL, IN., SINCE Jan. 1	PCT. NORMAL SINCE Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERA- TURE		PRECIPI- TATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	47	33	51	21	40	-6	.7	-.5	.5	24.5	191	9.2	130	95	53	0	2	3	0
AL MOBILE	58	41	69	29	49	-4	.7	-.4	.6	21.7	164	12.7	190	91	54	0	1	3	1
AL MONTGOMERY	54	36	63	24	45	-5	1.0	0	.8	21.7	189	11.4	187	89	52	0	3	2	1
AK ANCHORAGE	23	11	32	0	17	0	.1	-.1	-.1	1.2	48	.4	31	89	75	0	7	2	0
AK BARROW	-4	-10	0	-22	-7	11	.1	0	T	.2	29	.1	20	82	67	0	7	4	0
AK FAIRBANKS	14	2	25	-7	8	13	.1	0	.1	1.1	73	.4	50	70	53	0	7	3	0
AK JUNEAU	35	27	39	19	31	4	.6	0	.5	6.0	57	4.8	87	99	80	0	6	4	1
AK KODIAK	38	27	40	21	33	2	T	1.2	T	23.7	190	10.5	148	74	49	0	7	2	0
AK NOME	11	-4	31	-20	4	-2	T	.2	T	2.3	110	.6	46	75	57	0	7	2	0
AZ PHOENIX	67	50	74	47	58	4	.3	.1	.3	4.3	226	1.9	173	89	47	0	0	1	0
AZ PRESCOTT	51	33	60	29	42	2	.3	0	.3	4.1	103	1.4	67	94	53	0	4	3	0
AZ TUCSON	64	41	73	38	53	0	.1	-.1	.1	5.0	238	2.7	245	86	35	0	0	2	0
AZ YUMA	73	51	81	49	62	4	T	-.1	T	2.8	350	.8	200	68	31	0	0	0	0
AR FORT SMITH	49	31	57	19	40	-2	.1	-.7	-.1	8.2	115	2.1	57	96	63	0	3	1	0
AR LITTLE ROCK	48	33	55	20	40	-3	.1	-1.0	-.1	12.1	119	3.0	52	92	70	0	3	2	0
CA BAKERSFIELD	64	45	70	42	54	3	.2	0	.1	3.7	195	2.4	200	99	61	0	0	2	0
CA EUREKA	58	48	66	40	53	5	3.8	2.4	1.0	25.3	149	12.2	126	89	64	0	0	7	3
CA FRESNO	61	47	68	41	54	5	1.9	1.4	.9	10.0	222	7.1	284	95	68	0	0	4	1
CA LOS ANGELES	63	51	69	48	57	2	.9	.3	.4	9.0	161	7.2	195	93	62	0	0	3	0
CA RED BLUFF	56	48	61	46	52	3	1.8	1.0	.7	15.7	154	10.3	178	92	80	0	0	6	1
CA SACRAMENTO	59	50	65	48	54	5	1.6	.9	.5	11.4	137	6.8	139	87	69	0	0	4	3
CA SAN DIEGO	67	55	75	53	61	4	1.1	.8	.8	6.8	158	4.5	180	90	63	0	0	3	1
CA SAN FRANCISCO	59	51	62	48	55	4	2.6	1.8	1.1	15.8	156	10.0	175	84	69	0	0	5	3
CO DENVER	47	23	60	11	35	3	0	-.1	0	2.5	208	.2	29	76	29	0	7	0	0
CO GRAND JUNCTION	48	31	51	26	39	7	.1	-.1	T	1.0	67	.7	78	88	49	0	5	2	0
CO PUEBLO	52	21	62	13	37	3	0	-.1	0	.5	71	.2	50	94	33	0	6	0	0
CT BRIDGEPORT	29	17	35	4	23	-7	1.1	.5	.6	7.3	92	4.9	123	81	42	0	7	4	1
CT HARTFORD	26	9	31	-4	18	-8	2.1	1.4	1.1	11.4	124	9.1	198	80	41	0	7	4	3
DC WASHINGTON	37	26	45	19	31	-5	2.4	1.8	1.9	8.3	115	4.8	126	80	44	0	7	4	1
FL APALACHICOLA	61	43	73	34	52	-3	1.6	.7	1.3	13.3	164	7.2	160	91	59	0	0	3	1
FL DAYTONA BEACH	63	45	70	31	54	-5	2.0	1.3	.9	8.5	152	6.6	194	90	57	0	1	3	2
FL JACKSONVILLE	62	36	69	27	49	-7	1.3	.4	.6	11.4	163	9.3	221	97	55	0	2	3	1
FL KEY WEST	75	64	77	58	68	-3	.6	-.1	.3	19.2	468	18.9	756	84	60	0	0	3	0
FL MIAMI	75	57	80	49	66	-1	2.6	2.1	2.2	10.7	228	9.5	317	96	60	0	0	3	1
FL ORLANDO	66	47	72	36	57	-4	2.8	2.0	1.0	8.1	145	7.1	197	97	57	0	0	4	3
FL TALLAHASSEE	62	37	72	25	50	-4	.8	-.3	.8	12.4	119	6.6	116	92	50	0	2	2	1
FL TAMPA	65	49	72	38	57	-4	3.2	2.5	1.4	7.6	131	6.3	185	100	61	0	0	4	3
FL WEST PALM BEACH	73	57	83	48	65	-1	2.1	1.5	1.0	15.6	264	14.1	392	88	54	0	0	4	2
GA ATLANTA	46	32	53	26	39	-5	.4	-.7	.2	12.9	118	5.7	92	88	57	0	4	4	0
GA AUGUSTA	51	31	63	23	41	-6	.9	0	.7	12.5	142	6.8	139	90	51	0	3	3	1
GA MACON	53	35	63	23	44	-6	.7	-.4	.6	14.3	142	6.8	121	98	60	0	3	2	1
GA SAVANNAH	56	36	62	28	46	-5	.5	-.2	.4	10.5	142	6.8	170	91	51	0	2	2	0
HI HILO	80	63	83	60	71	0	.1	-3.1	.1	8.8	28	1.0	7	72	45	0	0	1	0
HI HONOLULU	80	60	82	53	70	-2	0	-.6	0	2.5	27	.1	2	90	50	0	0	0	0
HI KAHULUI	81	60	84	55	70	-1	0	-.7	0	5.8	72	.6	13	85	45	0	0	0	0
HI LIHUE	78	61	82	56	70	-1	T	-1.1	T	5.4	36	.8	10	81	54	0	0	0	0
ID BOISE	48	36	57	27	42	7	.5	.2	.3	4.5	125	2.2	110	84	47	0	1	6	0
ID LEWISTON	48	34	61	29	41	4	.4	.2	.3	2.3	74	1.3	81	91	59	0	3	3	0
ID POCATELLO	40	24	50	4	32	4	.3	-.1	.1	3.1	124	.8	57	87	59	0	5	4	0
IL CHICAGO	30	18	34	8	24	-1	.2	-.1	.1	10.7	261	2.6	108	83	62	0	7	2	0
IL MOLINE	31	18	35	-8	24	0	.1	-.2	.1	6.9	173	1.5	68	84	63	0	7	1	0
IL PEORIA	33	19	39	1	26	-1	.1	-.2	.1	7.7	175	1.5	60	84	65	0	7	1	0
IL QUINCY	32	20	37	-2	26	-1	T	-.3	T	9.6	223	.8	35	94	73	0	7	1	0
IL ROCKFORD	30	15	34	1	23	0	.1	-.2	.1	6.0	136	1.7	68	93	71	0	7	2	0
IL SPRINGFIELD	35	21	42	5	28	-1	T	-.4	T	10.7	233	1.4	56	87	66	0	7	1	0
IN EVANSVILLE	41	29	45	22	35	1	.1	-.7	.1	11.4	134	2.6	54	83	55	0	5	1	0
IN FORT WAYNE	30	20	32	8	25	-2	.2	-.3	.1	6.7	114	1.7	50	93	72	0	7	2	0
IN INDIANAPOLIS	36	23	41	12	29	0	.1	-.4	.1	8.6	126	2.0	53	85	61	0	6	2	0
IN SOUTH BEND	31	17	33	7	24	-1	-.2	-.3	.1	5.4	92	1.6	48	90	63	0	7	2	0
IA DES MOINES	32	18	37	-7	25	2	.1	-.1	.1	7.1	254	3.1	207	93	75	0	7	2	0
IA SIOUX CITY	25	15	33	-2	20	-2	T	-.2	T	3.1	155	.6	67	94	81	0	7	1	0
IA WATERLOO	28	14	36	-16	21	2	.1	-.1	.1	5.5	212	1.7	131	89	73	0	7	2	0
KS CONCORDIA	30	18	36	6	24	-6	T	-.2	T	4.1	228	2.4	300	94	75	0	7	0	0
KS DODGE CITY	41	22	51	9	32	-3	T	-.1	T	2.0	167	1.0	125	94	60	0	7	0	0
KS GOODLAND	45	23	54	3	34	3	0	-.1	0	2.2	244	.4	80	84	46	0	7	0	0
KS TOPEKA	36	17	41	-8	27	-5	T	-.2	T	5.0	161	1.2	86	86	72	0	5	0	0
KS WICHITA	33	21	36	2	27	-8	T	-.2	T	4.2	168	2.6	217	99	86	0	7	0	0
KY BOWLING GREEN	42	30	50	18	36	-2	1.1	0	.8	10.9	89	4.1	56	96	67	0	4	3	1
KY LEXINGTON	36	28	44	16	32	-2	.7	-.1	.4	7.7	84	2.7	51	88	70	0	5	3	0
KY LOUISVILLE	38	27	45	16	32	-3	.4	-.4	.2	8.6	101	3.0	61	90	65	0	5	3	0
LA ALEXANDRIA	57	43	67	35	50	-4	1.4	.1	1.2	25.0	207	8.2	124	75	53	0	0	1	1
LA BATON ROUGE	56	41	70	32	49	-4	1.3	-.2	1.3	23.7	199	8.8	138	92	62	0	1	1	1
LA LAKE CHARLES	60	43	69	34	52	-3	1.0	-.2	.8	21.4	175	9.6	160	98	66	0	0	2	1
LA NEW ORLEANS	59	44	70	36	52	-3	2.4	1.2	2.2	24.6	203	13.8	212	92	61	0	0	2	1

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

+100 = NORMAL & ACTUAL NEAR THE SAME

Weather Data for the Week Ending Feb. 12, 1983

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 Nov. 28	PCT. NORMAL SINCE Nov. 28	TOTAL, IN., SINCE Jan. 1	PCT. NORMAL SINCE Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE			
																90 AND ABOVE	52 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME SHREVEPORT	54	38	61	30	46	-4	1.9	1.0	1.9	21.3	211	7.6	138	99	67	0	2	1	1
ME CARIBOU	14	0	27	-8	7	-4	1.0	.5	.6	6.9	119	4.1	137	85	54	0	7	3	1
ME PORTLAND	25	8	31	-9	16	-6	2.5	1.6	1.5	9.1	99	7.6	162	71	38	0	7	3	2
MD BALTIMORE	34	21	40	10	28	-6	3.8	3.1	3.3	10.6	136	6.8	166	81	47	0	7	3	1
MD SALISBURY	37	26	42	21	31	-6	1.3	.5	.7	8.7	101	3.9	78	88	54	0	6	3	2
MA BOSTON	30	16	37	7	23	-7	2.8	1.9	1.4	9.9	100	8.0	154	78	40	0	7	5	2
MA CHATHAM	35	22	46	16	27	-1	3.9	-	-	11.2	-	6.8	-	87	60	0	7	5	2
MI ALPENA	25	3	30	-6	14	-3	.1	.2	.1	5.5	125	2.4	100	97	67	0	7	4	0
MI DETROIT	30	17	33	13	24	-2	.1	.3	.1	5.2	102	1.3	50	82	54	0	7	2	0
MI FLINT	30	16	33	9	23	1	.1	.3	.1	4.7	112	1.5	60	84	50	0	7	1	0
MI GRAND RAPIDS	50	17	32	6	24	0	.1	.2	.1	8.9	178	2.0	74	77	53	0	7	3	0
MI HOUGHTON LAKE	27	5	32	-5	16	-1	.1	.2	T	4.9	117	1.7	81	83	57	0	7	2	0
MI LANSING	30	15	34	6	22	-1	.1	.3	.1	5.5	112	1.4	52	91	54	0	7	2	0
MI MARQUETTE	25	0	32	-16	12	-1	.3	.1	.3	8.3	163	5.4	216	98	67	0	7	2	0
MI MUSKEGON	28	17	50	7	22	-2	.2	.3	.1	7.6	131	1.9	61	85	59	0	7	2	0
MI SAULT STE. MARIE	20	1	28	-6	10	-4	.2	.2	.1	7.8	144	3.0	107	86	50	0	7	3	0
MN ALEXANDRIA	24	11	31	-11	17	8	.4	.1	.1	1.7	106	1.1	138	95	65	0	7	3	0
MN DULUTH	23	10	30	-18	16	6	-1	.2	.2	2.9	94	1.7	113	86	69	0	7	5	0
MN INT'L FALLS	22	2	34	-27	12	7	.2	0	.1	.9	39	.5	50	88	63	0	7	3	0
MN MINNEAPOLIS	26	15	35	-8	21	6	.2	0	.1	5.7	317	1.8	225	99	82	0	7	4	0
MN ROCHESTER	24	11	32	-15	18	2	.1	0	.1	5.0	294	1.8	225	96	78	0	7	3	0
MS GREENWOOD	50	38	54	27	44	-3	2.9	1.7	2.1	28.0	219	10.6	156	90	64	0	2	2	2
MS JACKSON	53	37	59	24	45	-4	2.1	1.0	1.8	31.0	263	13.0	203	100	68	0	2	2	1
MS MERIDIAN	53	37	59	24	45	-4	1.4	.3	1.0	23.3	189	11.4	178	96	66	0	2	2	1
MO CAPE GIRARDEAU	45	30	50	18	36	-2	T	.7	T	12.6	145	1.3	26	96	67	0	4	0	0
MO COLUMBIA	38	23	44	4	30	-2	T	.4	T	7.8	186	.7	32	99	78	0	7	1	0
MO KANSAS CITY	35	21	40	-2	28	-3	T	.3	T	5.1	155	1.1	61	92	75	0	5	0	0
MO SAINT LOUIS	41	23	47	9	32	-2	T	.5	T	9.3	194	1.3	50	98	59	0	7	1	0
MO SPRINGFIELD	44	26	51	10	35	-1	T	.5	T	10.1	202	1.2	48	88	58	0	5	0	0
MT BILLINGS	47	27	58	10	37	11	T	.1	T	1.3	72	.2	22	72	32	0	6	1	0
MT GLASGOW	27	11	47	-1	19	5	T	.1	T	1.3	108	.2	29	84	64	0	7	0	0
MT GREAT FALLS	45	27	58	20	36	10	T	.2	T	1.2	60	.3	25	68	40	0	6	0	0
MT HAVRE	42	14	61	-5	28	12	T	.1	T	.5	42	.2	25	94	59	0	6	1	0
MT HELENA	44	21	60	6	32	8	.1	0	.1	1.5	115	.3	50	81	40	0	7	2	0
MT KALISPELL	56	21	46	11	29	5	.3	0	.1	3.2	94	1.3	65	97	74	0	7	4	0
MT MILES CITY	41	23	48	8	32	12	.1	.1	T	1.2	109	.3	50	90	53	0	7	3	0
MT MISSOULA	38	22	49	9	30	4	.5	.3	.3	2.3	82	1.2	80	95	68	0	7	5	0
NE GRAND ISLAND	30	13	37	-2	21	-5	T	.2	T	2.8	255	1.0	143	91	72	0	7	0	0
NE LINCOLN	25	12	34	-9	21	-6	T	.2	T	3.3	220	1.3	163	95	72	0	7	0	0
NE NORFOLK	27	14	34	-2	21	-2	T	.2	T	3.7	231	1.2	120	94	73	0	7	1	0
NE NORTH PLATTE	47	18	53	6	33	5	T	.1	T	1.5	125	.4	57	90	42	0	7	0	0
NE OMAHA	28	18	35	2	23	-1	T	.2	T	4.0	200	1.9	190	95	84	0	7	1	0
NE SCOTTSSBLUFF	52	16	65	0	34	5	0	.1	0	.8	89	.2	50	82	23	0	7	0	0
NE VALENTINE	46	16	60	-5	31	8	T	.1	T	.4	44	.2	33	79	41	0	7	0	0
NV ELY	45	21	50	2	33	6	.1	.1	.1	2.6	163	1.5	188	90	51	0	7	2	0
NV LAS VEGAS	59	42	64	40	51	3	.1	0	.1	2.1	175	.7	117	82	47	0	0	1	0
NV RENO	50	33	56	28	42	5	.5	.3	.5	4.0	143	2.2	147	92	45	0	4	3	0
NV WINNEMUCCA	49	32	60	26	40	7	.3	.1	.1	3.3	132	1.6	123	84	46	0	3	5	0
NH CONCORD	25	6	32	-14	15	-6	.6	0	.4	6.6	92	5.3	147	71	38	0	7	3	0
NJ ATLANTIC CITY	37	22	43	13	29	-4	1.3	.5	.6	9.1	94	4.2	82	88	51	0	6	3	1
NM ALBUQUERQUE	48	26	53	23	37	-2	.1	.1	.1	2.5	250	1.7	425	96	48	0	7	1	0
NM CLOVIS	53	28	60	22	41	0	0	.1	0	1.9	158	1.3	217	86	41	0	7	0	0
NM ROSWELL	61	30	67	25	45	3	T	.1	T	2.1	233	.6	150	67	27	0	5	1	0
NY ALBANY	21	6	29	-8	13	-9	1.2	.8	1.0	7.4	117	5.7	190	78	44	0	7	4	1
NY BINGHAMTON	23	8	27	-2	15	-6	.4	.2	.4	6.4	100	4.0	118	85	50	0	7	2	0
NY BUFFALO	24	11	32	-1	18	-6	.3	.4	.2	6.3	83	2.4	59	83	51	0	7	2	0
NY NEW YORK	30	21	35	13	25	-7	2.1	1.3	1.4	9.0	111	6.7	163	77	40	0	7	4	1
NY ROCHESTER	24	9	30	2	17	-7	.3	.2	.2	5.1	88	2.4	77	86	56	0	7	4	0
NY SYRACUSE	22	1	28	-15	11	-12	.3	.4	.3	6.2	85	3.0	79	93	58	0	7	2	0
NC ASHEVILLE	40	28	44	20	34	-5	1.3	.5	.8	12.8	149	7.4	154	88	57	0	6	3	1
NC CHARLOTTE	42	28	48	22	35	-8	1.7	.7	1.0	10.0	110	5.5	106	90	56	0	6	3	1
NC GREENSBORO	39	25	45	18	32	-8	1.1	.3	.5	8.1	100	3.6	77	89	58	0	7	3	0
NC HALTERAS	49	33	62	28	41	-4	1.6	.6	1.2	18.1	165	12.1	205	87	59	0	3	3	1
NC NEW BERN	49	30	57	22	39	-7	3.4	2.4	1.7	13.2	136	7.5	139	96	54	0	4	4	3
NC RALEIGH	42	26	47	19	34	-7	2.4	1.5	1.0	10.4	127	5.7	119	93	52	0	7	3	3
NC WILMINGTON	48	31	53	24	40	-7	3.9	3.0	2.3	15.3	180	9.0	191	90	53	0	4	3	3
ND BISMARCK	29	13	41	-2	21	9	T	.1	T	.8	62	.3	38	95	70	0	7	1	0
ND FARGO	23	10	34	-14	17	8	T	.1	T	.6	50	.5	71	86	67	0	7	0	0
ND GRAND FORKS	25	9	36	-18	17	10	T	.1	T	.7	50	.3	38	78	59	0	7	0	0
ND WILLISTON	28	8	44	-11	18	5	T	.1	T	1.9	146	.4	57	91	68	0	7	1	0
OH AKRON-CANTON	30	16	33	10	23	-4	.4	.1	.2	7.3	116	2.9	76	90	57	0	7	3	0
OH CINCINNATI	34	26	41	16	30	-2	.3	.4	.1	7.8	101	2.6	58	84	63	0	7	3	0
OH CLEVELAND	29	19	33	15	24	-3	.2	.3	.1	5.7	97	1.4	41	81	54	0	7	4	0
OH COLUMBUS	32	21	36	14	27	-2	.2	.3	.1	6.8	106	1.9	51	88	63	0	7	3	0

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending Feb. 12, 1983

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 Nov. 28	PCT. NORMAL SINCE Nov. 28	TOTAL, IN., SINCE Jan. 1	PCT. NORMAL SINCE Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	32	23	38	16	28	-2	.2	-.4	.1	6.5	100	2.1	55	86	64	0	7	2	0
TOLEDO	28	17	30	11	22	-4	.2	-.3	.1	5.6	104	1.4	48	89	63	0	7	3	0
YOUNGSTOWN	30	16	33	10	23	-3	.3	-.3	.2	6.0	88	2.3	59	85	54	0	7	3	0
OK OKLAHOMA CITY	44	29	54	13	36	-4	.2	-.1	.2	5.4	180	3.5	219	93	74	0	2	1	0
TULSA	45	31	52	19	38	-2	.2	-.3	.2	7.2	176	3.8	173	87	66	0	2	1	0
OR ASTORIA	55	45	63	37	50	7	3.4	1.4	.7	32.2	130	17.0	129	91	64	0	0	7	3
BURNS	39	27	41	16	33	3	.7	.5	.2	4.1	100	1.6	73	--	--	0	5	5	0
MEDFORD	50	38	60	30	44	3	2.3	1.8	1.3	9.4	109	3.3	72	100	65	0	1	5	1
PENDLETON	51	36	61	26	43	6	.5	.2	.2	3.5	97	1.3	62	88	48	0	3	5	0
PORTLAND	50	41	57	37	46	3	3.0	1.9	.7	18.5	128	9.3	119	89	60	0	0	7	4
SALEM	51	40	56	35	46	3	4.0	2.8	1.1	20.7	125	10.0	111	92	75	0	0	6	5
PA ALLENTOWN	30	17	36	10	24	-4	2.3	1.6	1.5	8.2	103	6.0	143	82	44	0	7	4	2
ERIE	29	14	35	4	22	-3	.3	-.2	.3	6.0	91	2.3	66	76	52	0	7	1	0
HARRISBURG	33	21	38	9	27	-4	2.4	1.8	2.0	7.4	104	5.6	151	83	46	0	7	0	0
PHILADELPHIA	32	20	36	9	26	-7	2.6	2.0	1.8	9.0	120	5.9	151	81	46	0	7	4	2
PITTSBURGH	30	19	33	12	25	-4	.7	.1	.5	6.3	97	2.8	72	87	56	0	7	4	1
SCRANTON	24	13	30	1	19	-8	.8	.3	.5	4.5	79	2.7	90	80	51	0	7	5	0
RI PROVIDENCE	31	17	37	8	24	-5	1.6	.8	1.1	8.8	93	6.1	124	78	44	0	7	4	1
SC CHARLESTON	55	35	61	30	44	-6	1.4	.7	1.2	11.8	155	7.4	176	93	55	0	3	2	1
COLUMBIA	48	30	59	22	39	-8	.9	.1	.6	10.1	123	5.5	117	93	52	0	5	3	1
FLORENCE	48	35	55	26	40	-7	1.6	.8	1.0	11.4	154	6.2	151	93	55	0	4	3	2
GREENVILLE	43	29	47	20	36	-8	1.3	.2	.7	12.7	120	5.4	92	91	61	0	6	3	2
SD ABERDEEN	29	13	38	0	21	8	.2	.1	.2	.5	38	.4	57	88	64	0	7	1	0
HURON	31	16	42	3	24	7	T	T	T	.7	70	0	0	96	67	0	7	1	0
RAPID CITY	48	19	72	8	34	9	0	.1	0	.6	60	.3	50	73	33	0	7	0	0
SIoux FALLS	26	14	32	-3	20	2	T	.2	T	2.8	156	.8	80	96	77	0	7	2	0
TN CHATTANOOGA	44	31	48	20	37	-5	1.2	.1	.8	16.9	128	5.9	79	88	57	0	4	3	1
KNOXVILLE	42	29	45	15	35	-7	1.4	.2	.9	9.6	81	4.1	61	94	67	0	5	3	1
MEMPHIS	46	36	51	24	41	-1	.7	.5	.6	18.3	150	4.4	63	93	65	0	2	3	1
NASHVILLE	46	34	50	21	40	0	1.1	0	.9	12.3	108	5.1	78	91	58	0	2	4	1
TX ABILENE	58	35	67	28	47	0	T	.3	T	3.6	138	1.9	127	89	44	0	3	0	0
AMARILLO	40	19	46	10	30	-9	0	.1	0	3.5	233	2.8	400	97	62	0	7	0	0
AUSTIN	58	41	70	32	49	-3	.8	0	.8	6.2	109	4.0	121	92	62	0	1	1	1
BEAUMONT	60	46	70	35	53	-1	.8	.3	.7	26.2	234	8.7	150	97	65	0	0	2	1
BROWNSVILLE	74	52	85	46	63	0	.1	.3	.1	4.6	128	1.9	90	97	52	0	0	1	0
CORPUS CHRISTI	65	47	79	38	56	-3	.4	.1	.3	2.5	61	1.8	75	96	63	0	0	2	0
DEL RIO	66	43	79	40	55	0	.1	.2	.1	1.9	127	1.0	100	91	37	0	0	1	0
EL PASO	61	37	65	30	49	1	T	0	T	3.6	327	.9	180	79	33	0	1	2	0
PORT WORTH	54	39	67	29	47	-1	T	.6	T	5.7	119	2.9	107	89	59	0	1	0	0
GALVESTON	59	48	65	40	53	-2	.7	0	.6	12.7	153	6.7	160	93	73	0	0	2	1
HOUSTON	60	43	72	33	52	-3	1.3	.4	1.2	9.9	104	4.1	80	94	60	0	0	2	1
LUBBOCK	55	28	63	23	42	0	T	.1	T	5.0	417	2.9	483	95	44	0	6	0	0
MIDLAND	62	32	70	25	47	0	.1	.1	.1	2.5	192	1.3	163	88	30	0	3	1	0
SAN ANGELO	62	33	71	25	48	-2	.1	.2	.1	3.1	155	2.2	183	92	40	0	4	1	0
SAN ANTONIO	61	39	75	32	50	-3	T	.5	T	4.3	108	2.0	83	86	49	0	1	1	0
VICTORIA	64	43	74	34	53	-3	T	.5	T	3.2	65	2.5	93	97	61	0	0	1	0
WACO	56	38	66	29	47	-3	.9	.3	.9	5.0	96	2.9	94	96	67	0	2	1	1
WICHITA FALLS	48	30	55	20	39	-6	T	.3	T	3.8	123	1.9	119	97	65	0	5	0	0
UT BLANDING	44	24	48	15	34	2	.4	.2	.3	4.1	146	2.4	160	92	65	0	7	2	0
CEDAR CITY	50	32	57	29	41	9	.4	.2	.4	2.8	165	1.6	200	76	46	0	4	1	0
SALT LAKE CITY	48	31	55	23	40	7	.3	0	.2	4.0	118	1.5	88	85	49	0	3	4	0
VT BURLINGTON	15	-2	24	-20	7	-11	.6	.2	.6	7.0	140	4.7	188	81	51	0	7	2	1
VA NORFOLK	43	28	45	24	36	-5	3.4	2.5	2.4	11.1	132	6.3	129	88	50	0	6	3	2
RICHMOND	39	26	48	19	32	-6	2.4	1.7	1.4	8.6	113	4.7	115	91	54	0	7	4	2
ROANOKE	37	24	42	20	30	-7	2.4	1.7	1.0	8.9	120	5.1	128	88	54	0	7	3	3
WA COLVILLE	38	29	46	18	34	5	1.2	.8	.3	7.9	155	4.1	146	97	86	0	4	7	0
QUILLAYUTE	50	40	55	33	45	4	7.8	4.7	2.6	36.2	98	21.6	108	98	78	0	0	7	4
SEATTLE-TACOMA	52	41	64	36	47	5	1.6	.5	.5	16.6	117	8.7	114	96	56	0	0	6	0
SPOKANE	40	30	50	23	35	4	.8	.4	.3	6.3	107	2.7	82	96	70	0	3	7	0
YAKIMA	42	30	57	20	36	1	.6	.4	.2	4.8	150	2.6	144	94	74	0	5	6	0
WV BECKLEY	32	21	36	12	26	-6	1.1	.3	.5	4.5	52	1.8	37	99	66	0	7	5	1
CHARLESTON	37	25	44	18	31	-4	1.4	.7	1.0	7.1	86	3.6	75	91	62	0	7	5	1
HUNTINGTON	37	27	42	22	32	-3	1.1	.4	.6	7.1	93	3.1	70	84	58	0	6	4	1
PARKERSBURG	35	23	41	14	29	-3	1.2	.5	.9	8.0	103	3.7	77	98	66	0	7	4	1
WI GREEN BAY	25	13	30	-5	19	2	.2	0	.1	4.3	139	1.4	88	92	70	0	7	4	0
LA CROSSE	26	10	32	-19	18	0	.2	0	.1	3.6	157	1.3	108	100	74	0	7	2	0
MADISON	27	12	31	-6	20	1	.2	0	.2	6.2	188	2.2	138	94	73	0	7	1	0
MILWAUKEE	29	16	33	2	23	1	.3	0	.2	7.1	173	2.7	117	91	70	0	7	4	0
WAUSAU	26	9	31	-13	18	5	.2	-.1	.1	4.9	169	1.9	112	90	63	0	7	4	0
WY CASPER	38	21	45	11	30	3	.1	-.1	.1	4.5	375	.8	114	80	50	0	7	1	0
CHEYENNE	44	21	58	10	35	4	T	-.1	T	.9	82	0	0	75	27	0	7	0	0
LANDER	36	12	45	-2	24	-1	T	-.1	T	1.7	142	-.1	14	83	43	0	7	0	0
SHERIDAN	47	18	52	4	33	8	T	-.2	T	.8	50	0	0	78	36	0	7	0	0
PR SAN JUAN	88	70	92	68	79	4	T	-.7	T	7.5	74	.7	14	79	45	2	0	1	0

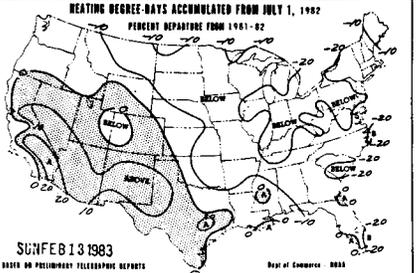
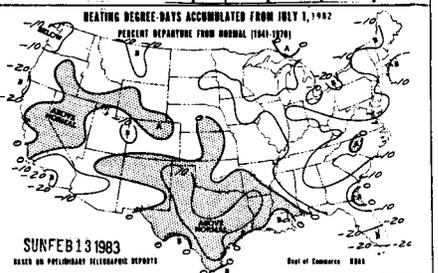
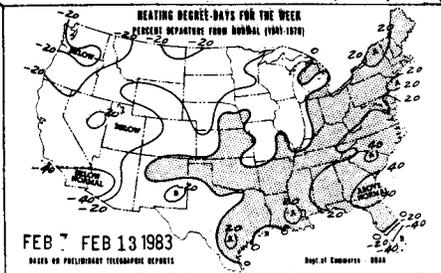
BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING FEB. 13, 1983.

BASED ON 1941-70 NORMALS.

+ACCUMULATION FROM JULY 1, 1982

Table with columns for STATES AND STATIONS, WEEKLY ACCUMULATION, and SEASONAL ACCUMULATION. It lists data for various states including ALA., ARIZ., ARK., CALIF., CONN., DEL., D.C., FLA., GA., IDAHO, ILL., IND., IOWA, KANS., KY., LA., MAINE, MD., MASS., MICH., MINN., MISS., MO., MONT., NEBR., NEV., N.H., N.J., N.MEX., N.Y., N.C., N.DAK., OHIO, OKLA., OREG., PA., R.I., S.C., S.DAK., TENN., TEXAS., VA., WASH., W.VA., WIS., and WYO. Each entry includes weekly total and departure, and seasonal total and departure from 1981-82.



## National Agricultural Summary

February 7 to 13

**HIGHLIGHTS:** Snow cover melted on the Great Plains as mild temperatures continued. Wheatlands were generally vulnerable to possible winterkill, but the melting snow provided additional soil moisture. Winter wheat rated mostly fair to good in the major producing States. Wet fields continued to delay application of fertilizer and tillage operations in fields across the South. Farmers in this region had less than 2 days suitable for fieldwork. Pruning and application of dormant sprays increased in northern orchards. Early plums and almonds bloomed in California, while peach trees bloomed in South Texas. Cool temperatures slowed new growth in Florida's citrus groves, leaving trees less vulnerable to freeze damage. Valencia orange picking gained momentum in major producing areas. Supplemental feeding of livestock continued steady. Feed supplies were adequate, but local shortages of hay were reported. Calving and lambing picked up momentum.

**SMALL GRAINS:** Winter wheat was in fair to good condition in the major producing States. Mild temperatures reduced snow cover across the Great Plains, leaving wheatlands vulnerable to subfreezing temperatures. However, the melting snow provided additional soil moisture for spring growth.

Snow cover receded in Kansas, leaving many wheatfields with no protection from cold weather. The crop was in generally good condition with sufficient soil moisture available to promote growth as warmer weather arrives. Winter wheat remained dormant across Oklahoma, and fields were in mostly fair condition. Wet fields in Texas prevented application of fertilizer to small grains. Wheat and oats showed signs of excess moisture and nitrogen deficiency. Wheat rated fair to good statewide. Cool weather limited damage from greenbugs and other insects but slowed growth of small grains. Warm weather reduced snow cover in the northern Plains, and most of the snow is now gone. Winter wheat conditions were fair to good in Montana with only light wind damage evident thus far. Producers applied herbicide to wheatfields in the Northwest as the crop broke dormancy. Limited acreages of spring wheat and barley were planted. Planting of small grains was mostly complete in Arizona, although some late plantings continued due to the late cotton harvest. Wheat and barley stands were developing well. Small grains were in fair to good condition across the Southeast. Excess moisture kept most producers out of the fields and caused leaching of nitrogen.

**OTHER CROPS:** Spring planting continued slow across the Southeast due to wet fields. Snow on the High Plains and rain-soaked fields in other areas brought fieldwork to a standstill across Texas. Farmers were unable to complete the Texas cotton harvest as fields were unable to support harvest equipment. Some cotton remains for harvest in southeastern Arizona. Yuma County growers were preparing seedbeds and preirrigating fields for planting 1983 cotton. Tobacco plants were in good condition in Georgia. Growers continued to fumigate and prepare seedbeds as the weather permitted. Wet fields temporarily delayed sugarcane harvesting in Florida, but the harvest continued at a steady pace in Texas. Some early corn was planted in west-central Florida and South Texas.

**FRUITS AND NUTS:** Northern producers continued pruning and applying dormant sprays to apple and peach orchards as weather permitted. Peach trees were in full bloom in South Texas. Bees were moved into early blooming plum and almond orchards in California. Pruning and cane tying continued in vineyards. Warm weather caused raspberry buds to swell in Washington. Growers pruned blueberries and fruit trees.

Cool temperatures slowed new growth in Florida's citrus groves. Early and midseason orange harvesting neared completion. Temple orange harvesting was active, and grapefruit picking was expected to increase in volume.

Picking of early oranges was nearly finished in the Rio Grande Valley of Texas, but harvesting of Valencia oranges gained momentum. Market conditions slowed grapefruit picking. Valencia oranges were picked on a limited scale in Arizona; however, increasing volumes were expected. All other citrus was picked as weather permitted. No harvesting of lemons was reported.

Rain delayed citrus harvesting in California, especially coastal lemons. Light frost caused some damage to Sacramento Valley oranges. Heavy gradeout of Navel oranges was reported in the San Joaquin Valley. Fruit droppage was a problem in both areas.

**VEGETABLES:** Rain damaged brussels sprouts and delayed harvesting of broccoli, carrots, cauliflower, and celery in California. Lettuce cutting continued in the Imperial Valley, although rains hampered progress. Rain halted melon planting in the desert area. Processing tomato planting continued at a slow pace.

Wet fields and depressed prices slowed lettuce harvesting in Yuma County, Arizona. Spring lettuce planting was complete, except in Willcox. Watermelons, honeydews, and cantaloups were planted statewide. Harvesting of cabbage, carrots, cauliflower, broccoli, and lettuce continued active in the Rio Grande Valley of Texas. Early-planted squash, okra, and onions developed rapidly. The bell pepper harvest was underway in the Coastal Bend area while harvesting of carrots and broccoli increased in Laredo. San Antonio-Winter Garden producers actively harvested cabbage, carrots, lettuce, and spinach. Some onions, cabbage, and potatoes were planted.

Rain slowed the vegetable harvest in Florida. Total shipments increased 12% from the previous week. Cucumbers and strawberries declined in volume, but all other crops remained steady or increased in volume. The fall watermelon harvest was virtually complete. Production of strawberries was down as most early fields were picked. Increased volume is expected next month.

**PASTURES AND LIVESTOCK:** Pastures were rated fair to good across the South due to cool weather and wet conditions. Texas ranges and pastures had sufficient soil moisture to promote growth of grasses. Warmer temperatures caused new forage growth, helping to reduce heavy supplemental feeding. A major snowstorm caused some death in the High Plains, but weight loss was the major problem. Sheep and goat shearing increased near Edwards Plateau. Supplemental feeding remained steady in most regions of the Nation. Feed supplies were generally adequate, although some local shortages of hay developed. Calving and lambing became more widespread.

## 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 SRS State Offices in cooperation with the National Weather Service.

**ALABAMA:** Most farms received at least 0.50 in. of rain during the week. Temperatures averaged 5 to 10° below the seasonal normals across most of the State.

**ARIZONA:** Stormy winter weather continued over eastern two-thirds of State first half week. Snow level around 6,000 feet. One to 6 in. new snow fell over Mogollon Rim, White Mountains. Moisture amounts varied for 0.25 to 0.50 in. over south central, southeast, northeast to 0.50 to 1.50 in. over Central Basins, Mogollon Rim, White Mountains. Warming trend over State latter part of week, maximum readings reaching 50's in mountains, 70's in deserts. Average temperatures ranged 1° below normal to 3° above.

Citrus growers Yuma County picking Valencia oranges limited scale. Valencia orange harvest Central Desert areas expected underway next week or two as oranges reach 8 to 1 sugar-acid ratio required for packing. Sweet oranges, tangerines, tangelos, grapefruit picked limited scale as conditions permitted. No lemon harvest activity reported. Citrus groves remain good condition. Rains interrupted fall vegetable harvest central, western areas. Most vegetables with exception of root crops picked on limited scale as conditions permitted. Fall lettuce harvest Yuma County slowed due to wet fields, depressed prices. Cauliflower harvest active as prices improved. Spring lettuce mostly planted with exception Willcox area. Limited hand hoeing, weeding occurring for established lettuce stands. Immature vegetables for later harvest making satisfactory progress. Watermelons, honeydews, cantaloup planted Statewide. Fields with stands already established in good condition. Wheat, barley development made average progress Statewide except Graham, Pima Counties had some below average crop development. Planting mostly complete although some late planting occurring due to late cotton harvest. Irrigation taking place as was weed, insect control. Stand established earlier planted fields. Safflower planting continued Yuma County. Earlier planted fields had plants emerging, some stands established. Guar harvest complete. Alfalfa growth made average progress. Cutting limited, activities mostly halted by wet field conditions. Rains delayed final clean-up activities for 1982 cotton. Southeastern counties only areas with harvest activities remaining. They were prevented from doing work last week due to wet conditions. Cotton harvest complete other areas. Yuma County preparing seedbeds, pre-irrigating for planting this year's cotton. Some pre-plant herbicides being applied.

**ARKANSAS:** Cool and dry week with slightly below normal rainfall. Highest normal 48°, lowest 39°. Highest mean 46°, lowest 37°. Highest temperature 61°, lowest 13°. All departures from normal ranged from -5 to +1°. Most rainfall 2.22 in., least zero.

Winter wheat fair to poor condition, slightly improved south. Wheat needs nitrogen. Ground still wet and soft. Pastures normal, or below. Fertilization begun. Livestock average, hay plentiful. Peach buds ahead of normal. Also, temperatures slightly below normal for State.

**CALIFORNIA:** Another wet week for the State as the long westerly flow of moist air across the Pacific continued to build storms and move them into the coastline. The major storm at the start of the week was followed by a weak ridge of warm air that gave us two days respite from the rains before the last of the series of storms hit 11th thru 12th. With the exception of the southeast Interior all reporting stations already exceed their normals for this date by 100 to 200%. Heavy rains plague growers, drowned some small grains. Imperial county cotton complete. Field corn, milo remain in Fresno, quality deteriorating. Alfalfa weed control. Rain and wet ground hampering activities. Pruning, weed spraying and some dormant spraying continued, weather permitting. Bees moved to almond orchards, early varieties blooming. Pruning and cane tying in vineyards. Spanish measles a problem some Fresno County vineyards. Early plum varieties blooming. Citrus harvest delayed rain, especially coastal lemons. Heavy gradeout Navel oranges San Joaquin Valley. Light frost damage showing Sacramento Valley oranges, fruit droppage problem, both areas. Dancy tangerine harvest continues, good quality. Artichoke harvest continued. Asparagus cutting continues Desert, started Salinas Valley. Broccoli harvest slowed by rains. Brussels sprouts harvest near complete; heavy water damage recent rains. Harvest carrots, cauliflower, celery slowed by wet fields. Lettuce harvest well along Imperial Valley, hampered by rain. Desert melon planting halted by rain, some stand reduction early fields. Shipments fall, winter potatoes fairly slow. Planting processing tomatoes very slow. Market tomato planting behind schedule. Range feed prospects excellent. Grass growing result warmer temperatures. Supplemental feeding necessary until grass strength improves. Feedlots extremely muddy.

**COLORADO:** A series of storms in the mountains left up to 1 foot of new snow in some of the higher elevations west of the Continental Divide and around 0.50 in. of moisture in some of the western valleys. Very little precipitation fell east of the Divide during this period. Strong winds caused ground blizzards in some of the mountain passes. Temperatures averaged slightly below normal west of the Continental Divide and in the San Luis Valley and slightly above normal elsewhere.

**FLORIDA:** Light rain lingered over southeast coast on the 7th but other areas were drying out from earlier rains. Dry weather continued through the 8th except extreme western Panhandle. Widespread rains fell on the 10th. Rains of 0.50 to 1.00 in. continued over most sections. Frost, freezing temperatures, 20's and 30's occurred 8th, 9th in the north; patchy frost Central Interior morning of 9th. Another wave of rain developed across much of central areas on the 12th, spreading to southern sections 13th, with 1.00 to 3.00 in. common. Some areas along southeast coast however, received 4.00 to 5.00 in. Panhandle area mostly spared from this rain with only light showers noted. Temperatures averaged 4 to 8° below normal with greater departure in northeast.

Soil moisture adequate to excessive entire State. Weekend rains will cause additional

surpluses. Fieldwork delayed part of week. Some land preparation continues where fields are well drained. Some early corn planted in west central area. Wheat suffering from excessive moisture in western Panhandle, fair to good condition elsewhere. Sugarcane harvest delayed temporarily by wet fields. Pasture conditions good to excellent south; poor to fair elsewhere. Excessive moisture in low lying areas. Cattle poor to fair condition Statewide. Citrus near excellent condition. Most areas received 2.00 to 4.00 in. rain. Cool temperatures beneficial in holding back new growth. Early-mid orange harvest winding down. Grapefruit volumes should increase with additional pickers. Temple harvest active. Below normal temperature prevailed in vegetable areas. Light to moderate rains occurred in early week, midweek. Mostly heavy rains fell over weekend. Harvest, fieldwork delayed by wet fields. Total shipments increased 12% from previous week. Crops gaining in volume were cabbage, carrots, cauliflower, Chinese cabbage, sweet corn, escarole, lettuce and potatoes. Supplies about steady snap beans, celery, eggplant, okra, parsley, peppers, Southern peas, squash and tomatoes. Volume declined cucumbers and strawberries. Fall watermelon harvest essentially complete. Strawberry harvest continues. Production is down as mostly early fields picked out. Good volume is expected in March.

GEORGIA: Cold period with near normal precipitation. Snow in mountains early in week. Average temperatures mid 30's to near 50, 5 to 8° below normal. Average rainfall 0.50 to 0.75 in. south to near 1.00 in. north. Weekend of 12th and 13th cold and wet nearly Statewide. Temperatures nearly 10° below normal. No rain extreme northwest, up to 3.00 in. southwest and central.

Soil moisture again adequate to mostly surplus. Field activities continued light due to wet fields. Limited land preparation and top-dressing small grains southern areas. Small grains condition fair to mostly good. Tobacco plants in good condition. Pasture condition fair to mostly good. Cattle and hog condition good.

HAWAII: Weather generally dry in major crop growing areas. Irrigation necessary on all islands. Cabbage supplies heavy. Head lettuce production moderate. Dry weather adversely affecting banana development. Production heavy from Hawaii Island but light elsewhere. Papaya production expected to decrease. Sugarcane and pineapple harvest active.

IDAHO: Cool, dry weather prevailed over the State during the first part of week. Temperatures moderated somewhat and precipitation fell across State during the latter half of the week as a series of Pacific storms moved across the region. Temperatures were slightly below normal the first part of last week, and then warmed to above normal by the end of the week. Most valley areas had highs in the 40's and lows in the 20's. Emmett was the State's warmest with 56° while Stanley had the coldest temperature with -33°. Precipitation was widespread over the State last week, with amounts ranging from less than 0.25 in. to nearly 1.00 in. Most precipitation reported for the week was 0.94 in. at Emmett.

There was little field activity reported as farmers prepare for the coming spring. Most of the farm work routine in nature. Tree pruning reported at some orchards. Livestock generally in good condition. Calving and lambing in full swing over most of the State. Feed supplies reported to be adequate.

ILLINOIS: Temperatures averaged from 3° above normal to 2° below normal across the State. Precipitation was light with amounts ranging from a trace to 0.15 in.

Winter wheat and livestock in mostly good condition.

INDIANA: Limited outside activities. Mostly hauling grain, attending meetings including extension and grain programs, and farm financing, studying the pik program, top dressing wheat, hauling manure, sowing seed, cutting wood, cleaning barns, caring for livestock and usual chores.

IOWA: A dry and mild week. Temperatures averaged 4 to 8° above normal with precipitation generally less than 0.10 in.

KANSAS: Precipitation ranged from little or none west and central to 0.02 in. east. Temperatures averaged 28° north central to 37° northwest ranging from normal to 2° below normal central and southeast to 6° above normal northwest and slightly above normal elsewhere.

Mild temperatures caused snow cover to recede. Wheat fields generally good condition but exposed to subfreezing temperatures. Surface moisture sufficient to prevent soil blowing. Too wet to allow field activity. Farmers readying equipment and caring for livestock. Warmer temperatures and absence of new snow favorable for calving and lambing. Some grazing of wheatland.

KENTUCKY: Temperatures averaged from near normal in west and 5 to 10° below normal in central and eastern sections. Precipitation averaged around 0.75 in. in west, 0.40 in. central, 1.00 in. in east.

Soil moisture adequate. Local hay supplies adequate. Most burley markets closed.

LOUISIANA: Temperatures ranged 1 to 3° below normal. Extremes 25 and 73°. Most precipitation occurred around 9th, averaging 2.00 in. Heaviest 24 hour total 3.10 in. reported in Tallulah.

Soils remain wet over most of the State, which continues to hold up land preparation. Routine chores and caring for livestock main activities.

MARYLAND AND DELAWARE: Temperatures averaged near normal to above normal. Snowfall that began on evening of 10th was at a record to near record levels throughout the two State areas. Digging out didn't begin with earnest until 12th and continued through 13th.

MICHIGAN: The well above normal temperature patterns has temporarily left most of the State. Average temperatures did not deviate much from normal throughout the Lower Peninsula. The wester portion of the Upper Peninsula averaged 6° above normal. Precipitation was very light over the State with only light snow flurries.

MINNESOTA: Temperatures averaged 2 to 9° above normal. Extremes were 50° at Fargo-Moorhead and -23° at Grand Rapids and Aitkin. Precipitation averaged near normal to 0.12 in. below normal. Totals averaged less than 0.20 in. Snowfall totaled 1 in. or less in the northwest, west central and southwest, and 2 to 4 in. elsewhere. Snow depth at week's end: trace to 3 in. northwest, 3 to 10 in. elsewhere, except 10 to 20 in. northeast, 10 to 14 in. east central, south central and southeast.

MISSISSIPPI: Wet and cold weather characterized the week. Flooding rivers and streams continued to keep ground conditions soggy and an additional 1.00 to 6.00 in. of rain that fell during mid-week made matters worse. Flood warnings remained in effect for most major rivers in the State. Temperatures averaged 5 to 10° below seasonal normals. Lowest temperature for the week was 16°. The warmest temperature was 68°. Greatest 24 hour rainfall was 6.42 in.

Soil moisture surplus. Wet fields along with more rain at mid week limited fieldwork to 2.0 days suitable. Hay and roughage and feed grain supplies adequate. Winter wheat conditions fair to poor. Pasture condition poor to fair and livestock condition fair.

MISSOURI: Weather conditions were mostly cool and dry. Temperatures averaged a few degrees below normal, with the northwest Prairie area reporting 1° below normal and the Bootheel averaging 3° below normal.

Precipitation was light and spotty. The Bootheel reported an average of 0.20 in. The rest of the State reported only a trace or 0.02 in. of precipitation.

MONTANA: Temperatures near to a couple degrees above normal, extreme northeast under influence of Canadian air. West and southwest temperatures averaged 3 to 5° above normal and 8 to 10° above elsewhere. Highest 63° at Roundup, lowest -15° at West Yellowstone. Precipitation confined to west and mountains, amounts ranging from 0.25 to 1.25 in.

Winter wheat condition fair to good. Snow cover protection poor, wind damage light. Livestock condition good. Calving 5% complete, lambing 10%. Stock water adequate.

NEBRASKA: Temperatures were 7 to 10° above normal west, 1° above normal across snow covered eastern section. Precipitation only trace amounts over most of State, 0.10 in. of moisture in east.

NEVADA: Series of storm fronts crossed State during week. Moderate to heavy precipitation reported most areas. Mostly rain in valleys. Snow confined to higher elevations. Temperatures slightly above normal.

Feeding requirements increased, made more difficult by rain, wet snow, and mud. Livestock mostly good condition. Calving and lambing operations full swing.

NEW ENGLAND: Two major snow storms hit New England during the week. Storm on 7th left up to 15 feet of snow, changing to rain in southeastern New England. Weekend snow accumulation from the second storm totaled as high as 2.5 feet across the southern and coastal areas. The second storm bypassed northern New Hampshire and Vermont. Temperatures averaged 6 to 11° below normal, with coolest temperatures occurring late in the week.

NEW JERSEY: Temperatures were below normal, averaging 20° north, 24° south and 29° coastal areas. Extremes 10° below at Neshanic Station and 43° at Atlantic City, Pomona and Flemington. Precipitation well above normal averaging 1.41 in. north, 1.09 in. south and 1.15 in. coastal sections. The heaviest 24 hour total reported 1.67 in. on 11th to 12th at Canoebrook. The heaviest 24 hour snowfall 21 in. on 11th to 12th at Flemington. Snowfall totals 6 in. Pomona, and Atlantic City, 10 in. Long branch and Hammonton, 11 in. Glassboro, 12 in. Bridgeton and Freehold, 8 in. Toms River, 14 in.

New Brunswick and Cape May Court House, 16 in. Belvidere Bridge and Newton, 18 in. Charlotteburg, 19 in. Canoe Brook, 21 in. Neshanic Station, 23 in. Flemington.

Farmers caring for livestock and tending to other normal winter chores, over the weekend primary job clearing snow.

NEW MEXICO: Average temperatures near normal except in the southeast where readings were a little above normal.

Soil moisture remains in adequate supplies throughout the State. Open weather prevailed allowing fieldwork to progress unhampered. Spring vegetables in good condition and progressing well. Pecan harvest continuing. Wheat and barley fields in mostly good condition. Snow covered fields limited grazing activity in some areas. Ranges in fair to good condition. Livestock in good condition. Calving and lambing active in some areas.

NEW YORK: Average temperatures from 5 to 10° in north, teens in most other locations, low to mid 20's in southeast. Precipitation generally 0.50 in. or less except in southeast, where a coastal storm dropped 10 to 20 in. of snow on the weekend. Lowest temperature -29° at Stillwater Reservoir.

NORTH CAROLINA: Temperatures: 5 to 9° below normal Statewide. Precipitation: 12 in. snow in the west and 3 in. rain along the coastal region.

Soil moisture: 34% adequate and 66% surplus. Days suitable for fieldwork: 1.2. Conditions: Wheat, oats, barley and rye fair to mostly good. Hay and feed grains: 2% poor, 93% adequate, and 5% surplus. Pasture conditions: 11% poor, 50% fair, and 39% good. Major farm activities: Cutting firewood, leasing tobacco allotments, preparing and seeding tobacco beds, machine maintenance, reviewing the pik program, income tax returns, and other indoor chores.

NORTH DAKOTA: Week had above normal temperatures and below normal precipitation. Temperatures averaged from 9° above normal southwest to 3° above normal north central. Extremes from 54° west central to -25° northeast. Precipitation averaged less than 0.05 in. exceptionally warm weather over weekend with temperatures hitting 50° in many areas.

Light snow cover began disappearing rapidly. Weather excellent for calving and lambing. Prospects good for a earlier than normal start to spring fieldwork.

OHIO: Winterlike weather. Temperatures averaged 4° below normal west, while eastern sections were 3 to 6° below normal. Snow heaviest southeast. Most other areas 1 to 2 in.

Light snowcover on winter wheat late week offered some protection from subnormal temperatures. No severe livestock stress. Greenhouse work continued.

OKLAHOMA: Temperatures averaged 2 to 8° below normal. Precipitation averaged less than 0.50 in. across the State.

Wheat dormant and in mostly fair condition. Pastures and ranges in generally fair condition. Cattle continued in good to fair condition with no major parasitic activity.

OREGON: Statewide temperatures ran 2 to 3° above normal. Rainfall throughout the week left 3.00 to 4.00 in. of precipitation from the coast to the High Plateau regions. Precipitation east of the mountains was less than 0.60 in.

Fall seeded grain crops in good shape. Most fields too wet for any fieldwork, but small amounts of fertilizer being applied where possible. Seed fields in good condition. Dormant applications for overwintering pear psylla being applied. Pruning continues. Livestock condition generally good. Pastures very wet. Spot shortages of hay reported.

PENNSYLVANIA: Temperatures were slightly below normal with the lowest occurring in the middle of the week. Extremes were 39 and -9° Average precipitation was above normal due to snow on the first and last parts of the week. The later storm was a record breaker in the southeastern part of the State with up to 27 in. falling.

PUERTO RICO: Island average rainfall 0.01 in. or 0.68 in. below normal. Highest weekly total 0.13 in. Highest 24 hour total 0.08 in. Temperatures averaged about 76 to 75° on Coasts and 70 to 69° Interior Divisions. Mean station temperatures ranged from 78.4 to 63.0. Extremes 94 and 46.

SOUTH CAROLINA: Temperatures averaged several degrees below normal except midweek near normal. Recurring precipitation most areas heavier than usual.

Little outside activity except caring for livestock and essential chores. Growers weighing payment-in-kind opportunity and considering planting options, federal insurance.

SOUTH DAKOTA: Temperatures averaged normal to 15° above normal. Extremes: -10 and 72°. Up to 6 in. of snow in north central and north-east. Water equivalent up to 0.42 in. Precipitation over rest of State 0.05 to 0.20 in. below normal.

TENNESSEE: Low pressure moved northeastward along the Mid Atlantic Coast on 7th and by 8th a weak high pressure covered State. A low developed in Texas on 9th and spread clouds and precipitation into State through the end of the week. Rain changed to snow in the higher elevations of the east 10th and 11th. The low moved northeast along the Atlantic Coast 11th and high pressure built into State by 13th. The lowest temperature was 14° at Crossville and the highest was 57° at Memphis. Precipitation amounts generally ranged from 0.50 to 1.50 in.

TEXAS: High pressure covered State during early week bringing fair to partly cloudy skies and mild temperatures. Pest-moving frontal system moved through State by midweek; brief but strong thunderstorms and light to moderate rains eastern and southern portions. Rains up to 1.50 in. accumulated far East Texas; tornado Houston 9th. Fair skies 10th and 11th; upper air disturbance moderate rain deep South Texas. Few showers South Texas early 12th; rest of weekend clear. Precipitation less than normal; only Lower Valley and East Texas above normal. Temperatures close to normal.

Crops: Most fieldwork remained standstill across State as snow remains Northern High Plains; fields wet from rain most other areas. Wet conditions prevented land preparation spring planting and fertilization small grains across State. In many areas wheat and oats signs of excess moisture, shortage of nitrogen. Harvest remaining cotton standstill except little activity Southern High Plains. Few fields corn planted southern area State; where condition allowed. Cotton harvest no

progress as fields remained too wet from snow and rain to support harvest equipment. Week's end some attempts made Southern High Plains. Once farmers get into fields, cotton harvest quickly completed. Small grains remained set back by continued cold, wet conditions. Wet fields prevented fertilization; many fields excess moisture and nitrogen shortages. Cool weather limited damage from greenbugs and other insects. Temperatures warm, available moisture helpful early spring growth. Wheat condition across State is 71% of normal, compared with 68% year ago. By week's end 4% was rated excellent; 35% good; 57% fair; and 4% poor. Sugarcane harvest continued steady pace without major delays. Some corn planted Coastal Bend and South Texas. Cotton harvested 99%, 100% 1981, 100% average.

Commercial vegetables: Lower Rio Grande Valley, harvest cabbage, carrots, cauliflower, broccoli and lettuce continued fair volumes. Early planted squash and okra up to a stand. Onions make good progress. Citrus harvest active; slow market slowed grapefruit harvest. Harvest early oranges nearing completion and harvest of Valencia oranges gaining momentum. Larrdo, onions continue to do well. Harvest carrots and broccoli underway. Coastal Bend, some bell peppers being harvested. San Antonio - Winter Garden, harvest cabbage, carrots, lettuce and spinach active. Onions continue make good progress. East Texas, wet weather halted activity. Land preparation underway sweetpotatoes other spring vegetables. Some onions, cabbage and potatoes planted. Peach trees full bloom South Texas.

Range and livestock: Recent rain and snow, moisture conditions ranges and pastures good most areas. Warmer temperatures return with spring, new forage growth help reduce heavy supplemental feeding which required to maintain livestock good to fair condition. Growth small grains limited by snow cover and poor growing conditions. While some death losses occurred, weight shrinkage major loss. Because wet weather, movement to auctions slowed; some price improvement occurred. Lambing and sheep and goat shearing Edwards Plateau.

UTAH: Recurring periods of snow and rain most of the State. Variable accumulations ranged from light to heavy. Average temperatures slightly above normal ranging from 3° below to 8° above.

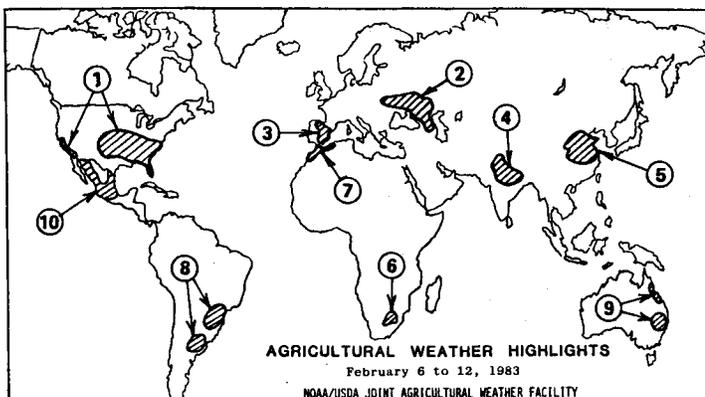
Weather turbulence increases time spent inside, making plans for next year, repair of building and machinery. Outside activity limited to routine farm chores, caring for early lambs and calves. Some marketing of apples and potatoes, when trucks available.

VIRGINIA: A storm moved northeast from the Gulf and up the coast 10th and 11th producing a major snow storm across the State. This storm went in the record book as the third largest for the State since records began in 1880. The snowfall extremes of 30 in. was recorded at Front Royal--located in northern mountains. Generally amounts ranged from 5 in. over the south with around 12 to 22 in. elsewhere except extreme east where over 2.50 in. of precipitation was recorded--mostly in the form of rain. Cold high pressure built across the State on 12th producing cold temperatures. Dulles Airport reported a low of -8°. Low temperatures ranged from mid teens in the west to the 20's in central and south and 30 along the coast.

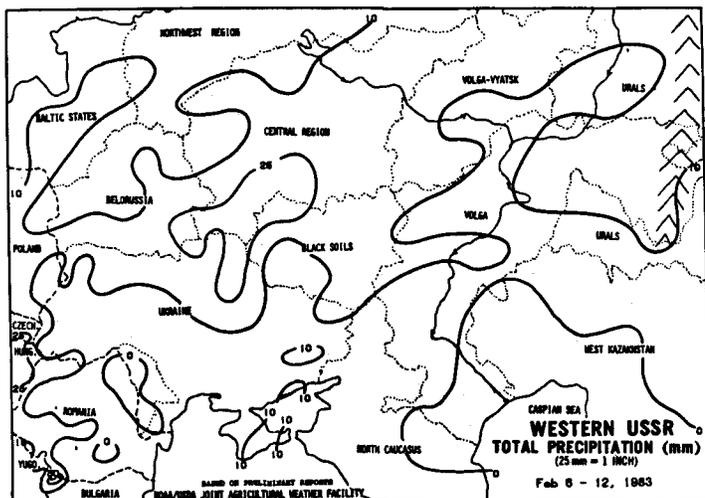
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# International Weather and Crop Summary

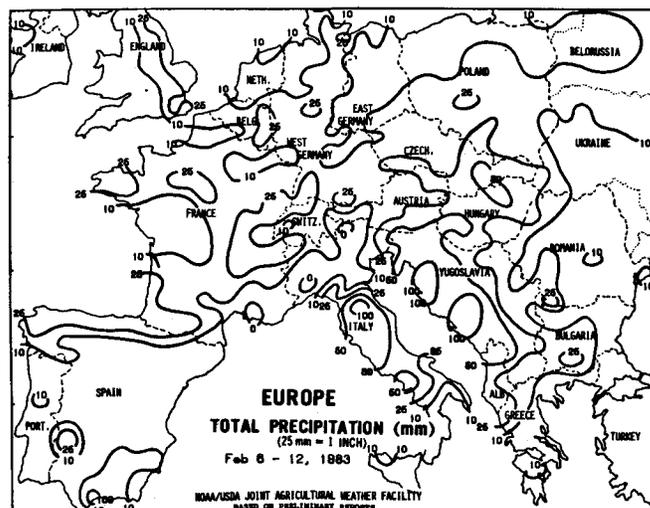
February 6 to 12



1. UNITED STATES ... Snow melts across Plains wheatlands, improving soil moisture but leaving grains vulnerable to cold. Rains delay land preparation in Southeast and citrus and vegetable harvesting in California. Cool temperatures slow citrus development in Florida.
2. WESTERN USSR ... Rain and mild temperatures diminish snow cover in the Ukraine and North Caucasus.
3. EUROPE ... Unfavorable dryness in most Spanish grain areas.
4. SOUTH ASIA ... Dry weather covers most winter grain areas.
5. EASTERN ASIA ... Dry, cold conditions continue over winter grain areas.
6. SOUTH AFRICA ... Hot, dry weather severely stresses corn in southern and western Maize Triangle. Beneficial showers fall in east. Corn is in critical grain-filling period.
7. NORTHWESTERN AFRICA ... Widespread rains relieve persistent dryness plaguing winter grains in Morocco and western Algeria.
8. SOUTH AMERICA ... Argentina's corn and soybean areas remain too dry, while sorghum and cotton areas receive additional moisture. Mostly adequate moisture aids soybean's pod-filling stage in Brazil.
9. AUSTRALIA ... Showers aid sugarcane in east coastal Queensland. Mostly dry weather stresses crops and grazing areas in eastern Australia.
10. MEXICO ... Sunny, dry weather over most areas favors field activities.



**WESTERN USSR...** Generally light precipitation covered winter grains. Daytime temperatures were above freezing in the Ukraine and North Caucasus and, as a result, most of the moisture fell as rain. Snow cover also decreased over most of these areas. In contrast, snow fell on winter grain areas north of the Ukraine and North Caucasus. Temperatures were below normal in the Baltic States, Northwest Region, and Belorussia, but were above normal over the remainder of the region. Winter grains remained dormant during the week and are still highly vulnerable to winterkill, particularly in those areas where the snow cover is not adequately protective.



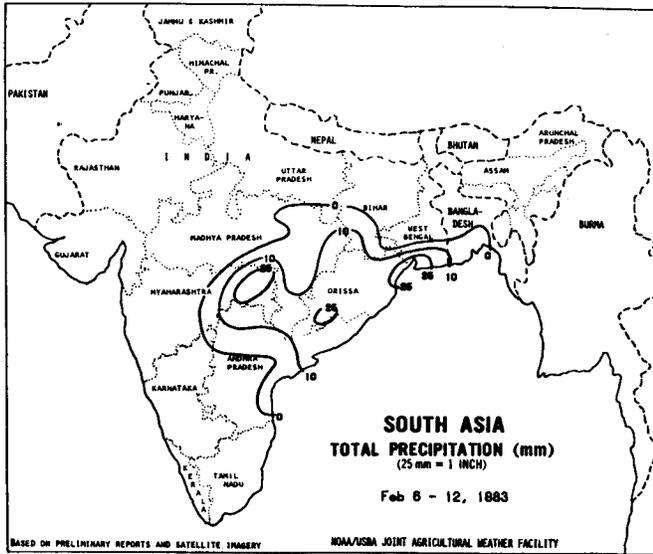
**EUROPE...** Light rain benefited a small portion of southern Spain, but most Spanish grain areas remained unfavorably dry. Some precipitation continued to fall on crop areas in France, England, and most of northern Europe, increasing soil moisture. Heavy amounts of rain drenched some central crop areas in Italy, while light precipitation fell over most of the north. Light showers continued to benefit most crops in southeastern Europe. Temperatures were below normal in western and northern Europe but were above normal in the southeast.

**National Weather Summary (continued from front cover)**

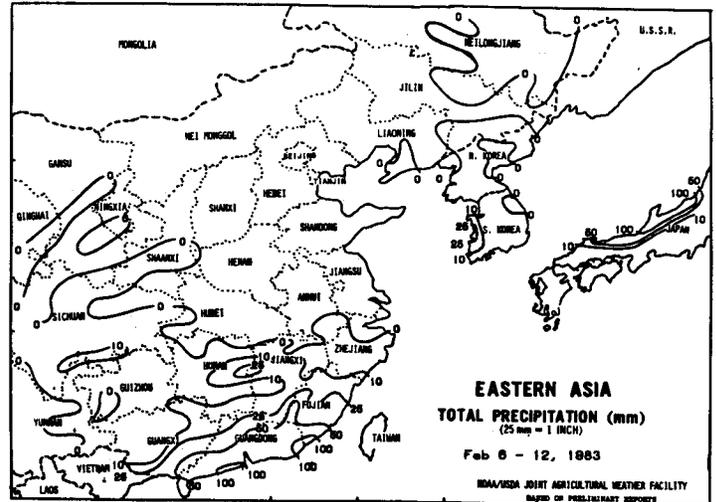
to the coast of Delaware. On the other side of the Nation, showers continued in the Northwest with snow in the mountains.

**FRIDAY ...** The intense storm moving northward along the east coast produced high winds, heavy snow, and near-blizzard to blizzard conditions through the mid-Atlantic and southern New England States. Snow depths from 5 to 36 inches from Virginia to Massachusetts set records for 24 hour snowfall in many areas. Normal activity came to a standstill through the snow area. Rain, with snow at higher elevations, fell from central California through Washington and Oregon. Light snow fell in the upper Mississippi Valley.

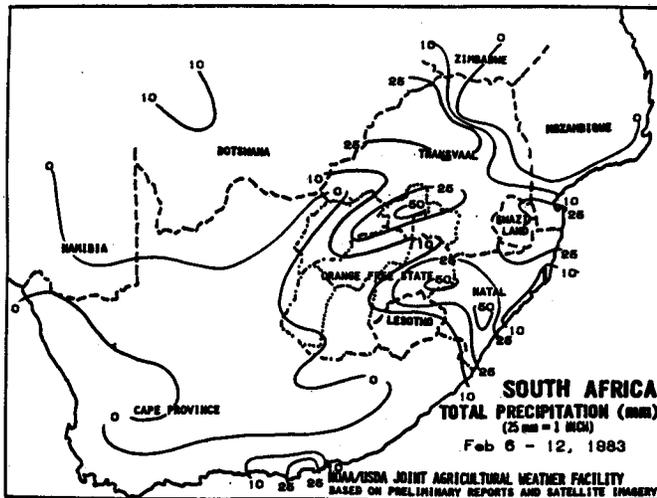
**SATURDAY ...** The severe storm off the east coast moved eastward into the Atlantic off New England, but snow continued in the coastal areas of New England. The rest of the Northeast began the laborious task of shoveling out. Stormy weather also covered the Western United States. A cold front moved to a line from the northern Rockies to southern California and spread rain and snow along and behind the front. Another storm in the Gulf of Mexico spread heavy rain across Florida and lighter showers into Georgia.



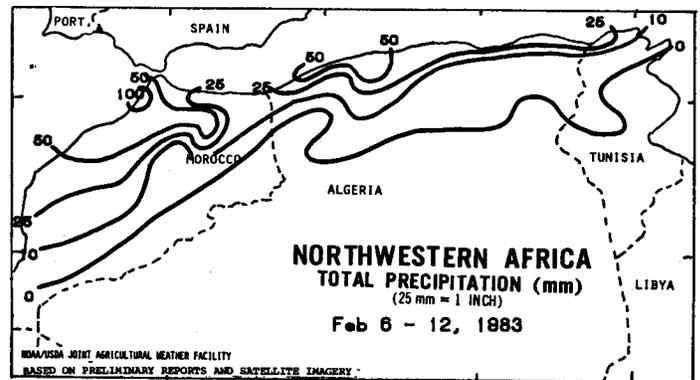
**SOUTH ASIA...** Dry weather returned to most winter grain areas. Winter grain yield prospects appear good where irrigation facilities are well developed, especially in Punjab and Haryana. Additional rains would benefit unirrigated fields in Pakistan and northern India where winter grains are normally in the filling stage. Seasonably dry weather continued over south peninsular India, but precipitation benefited summer rice growing areas of Myaharashtra, eastern Madhya Pradesh, and Orissa.



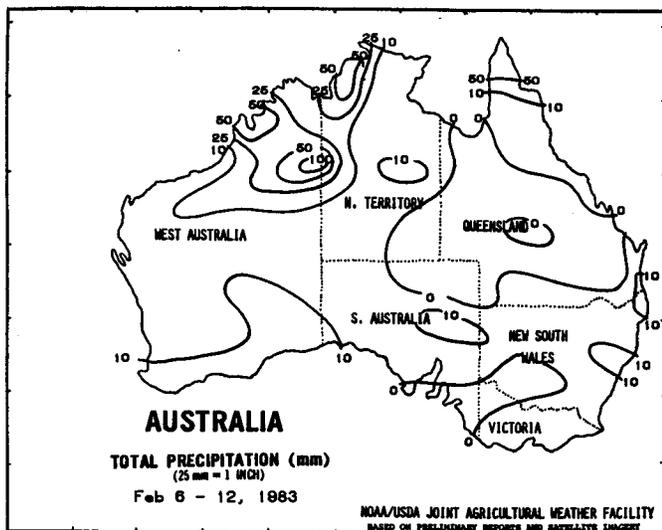
**EASTERN ASIA...** Mostly dry weather covered winter grain areas in the North China Plain. Below-normal temperatures kept winter grains dormant in nearly all areas. A showery weather pattern continued to improve preplanting moisture in rice areas south of the Yangtze River. In South Korea, light precipitation maintained favorable moisture conditions for winter grains, but cold temperatures kept the crop dormant.



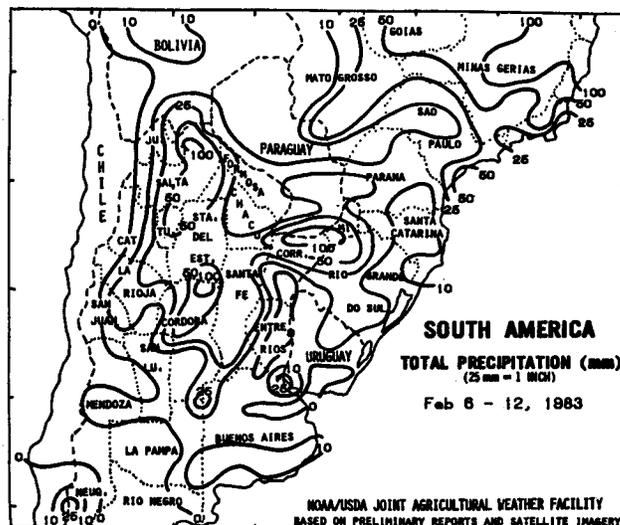
**SOUTH AFRICA...** Hot weather with insufficient rainfall continued in western and southern portions of the Maize Triangle. Light showers produced minimal rainfall during the week, while maximum temperatures pushed well above the optimum limit for corn growth. Corn, which is mostly in the grain-filling period, is severely stressed in these areas. Frequent, long-lasting periods of hot, dry weather have plagued the corn crop since its vegetative growth stage, drastically reducing its potential crop yields. Growing conditions are more favorable in eastern sections of the Maize Triangle where periodic rainfall has greatly benefited the corn crop. Showers during the week helped compensate for the high crop moisture usage caused by above-average temperatures. Substantial rains are needed throughout the corn area.



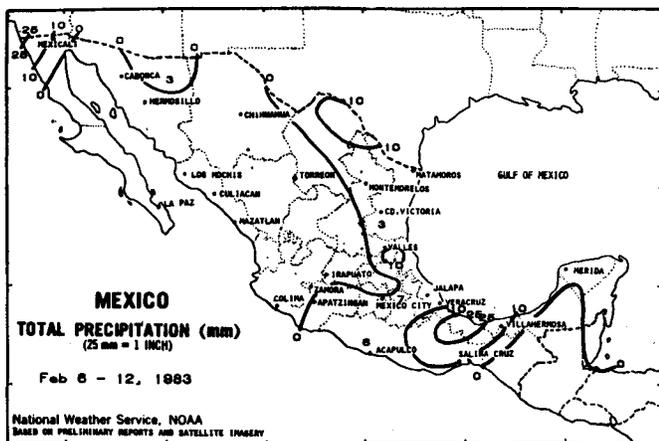
**NORTHWESTERN AFRICA...** Wet weather relieved persistent dryness in Morocco and western Algeria. Precipitation amounts ranged from 10-25 mm in southern Morocco and western Algeria, but the heaviest amounts of rain, in excess of 50 mm, fell on northern Morocco. The rains improved winter grain yield prospects. Elsewhere, light showers covered eastern Algeria and Tunisia. Winter grains in all areas are normally in the vegetative stage, and more rain will be needed in upcoming weeks as the crop enters the moisture-sensitive reproductive stage.



**AUSTRALIA**...Some showers benefited sugarcane areas of east coastal Queensland, but rainfall totals were below average. Grazing lands and summer crop areas of eastern Australia were mostly dry as was much of the southern half of the continent. Substantial rains are needed within the next few months in eastern and southern wheat areas to alleviate the severe drought situation before the planting season begins in May. Showers fell in Western Australia and covered much of the northern coastal region during the week. Tropical shower activity continued to follow a rather weak and erratic pattern, producing mostly below-average rainfall for the season. Weekly weather summaries will be discontinued until the preplanting season for winter wheat. Monthly precipitation and temperature maps will be presented during the interim.



**SOUTH AMERICA**...Some light showers dotted Argentina's corn area in southern Santa Fe and northern Buenos Aires, but totals were insufficient to alleviate unfavorably dry conditions for corn in the grain-filling stage. Second-crop soybeans, planted after the wheat harvest, also have limited moisture for vegetative growth and flowering. Sorghum crop areas to the west and north continued to benefit from timely showers, while cotton in northern Argentina has generally adequate moisture for boll forming. In Brazil, rainfall was variable across the soybean area. Showers in western Rio Grande do Sul aided soybeans setting and filling pods, while scattered showers in Parana helped pod-filling. Cotton areas of Parana and Sao Paulo were generally dry as the crop advanced through boll development. Substantial rains fell on coffee and citrus areas of northern Sao Paulo and Minas Gerais.



**MEXICO**...Sunny, dry weather dominated most of the major agricultural areas, allowing field preparation and spring planting. Southern coastal and interior low elevations were warm, while the remainder was mild. Light wintertime rains continued along the extreme northwest and the Bay of Campeche coastal plains.

**State Summaries** (continued from p. 12)

The cold, wet week kept topsoil moisture at 50% adequate and 50% surplus but reduced days suitable for fieldwork to less than 1 day. Livestock care and feeding took added time with snow covering most pastures by week's end. The percent of forage requirements secured from grazing dropped to 10% from 19% two weeks ago but the feed situation is considered normal. Livestock generally in good condition and calving and lambing progressed well. Other major activities include educational meetings, including pik, farm records and tax work, preparing machinery for spring work, liming and fertilizing were limited by wet fields, cutting firewood and clearing snow.

**WASHINGTON:** A southwest flow of marine air over State continued the above average temperatures in most areas. Occasional frontal systems produced greater than normal rainfall at most reporting sites with coastal region showing totals varying from 3.00 in. in the south to near 7.00 in. to the north.

**West:** Blueberry pruning, and planting of raspberries continues. Warm weather causing raspberry buds to expand. Fruit tree pruning continues. Livestock in good condition, and on winter pasture where available. Hay supplies range from short to adequate.

**East:** Snow covered many central and eastern counties, halting fieldwork and providing some

(continued on back cover)



**State Summaries** (continued from p. 15)

protection at the beginning of the week. Potato stores in good condition. Benton County growers did limited amount of spring wheat and barley planting. Franklin County wheat growers applying weed control. Wheat greening up. Fruit tree pruning continues. Livestock in good condition. Calving and lambing in full swing. Hay supplies range from short to adequate.

**WEST VIRGINIA:** Temperatures averaged 4° below normal across the State. High 46°, low -2°. Precipitation above normal across the State. Snow across the State. Range 7 in. to 32 in. in the eastern Panhandle. Soil moisture adequate. Days worked 1.3. Hay supplies adequate to short. Grain and other feed supplies adequate.

**WISCONSIN:** Week of the 7th started out cold, with lowest reading being -14° recorded at

Lake Thompson. A slow warming trend began later in the week ending with a high of 46° at Chippewa Falls. Light snow fell across all of State thru 9th and into 10th in the western portions of the State. However accumulations were on the light side, ranging from 1 to 3 in. across northern and western portions of State.

**WYOMING:** Temperatures slightly above normal except for few areas in central and west. All areas reported below normal precipitation except for couple spots in far west.

Winter wheat mostly good condition. Livestock mostly good condition. Some early calving; mainly heifers. Farm flocks lambing. Hay supplies adequate most areas. Isolated fieldwork begun.

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