

# 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

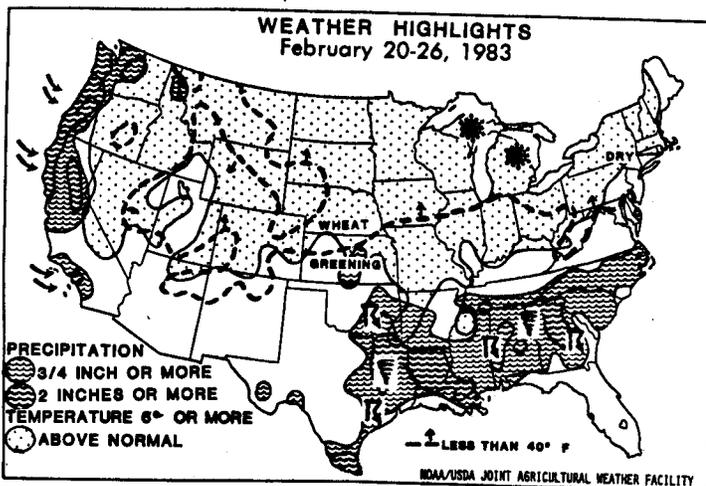
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Mar. 1, 1983

## National Weather Summary

February 20 to 26



**TUESDAY ...** The heavy thunderstorms moved into the Southeast from southern Tennessee to North Carolina and through Alabama, Georgia, and South Carolina. Tornadoes hit several points in Alabama and Georgia. In the warm air to the east of the cold front, only Richmond, Va., and South Bend, Ind., had record high temperatures. Light rain scattered over the Great Lakes and to the east with snow over northern Michigan. Light rain spread across the Pacific Northwest through mild temperatures. Daytime temperatures were warm through the Plains with 50° readings reaching into South Dakota.

**WEDNESDAY ...** A cold front moved rapidly through the Northeast and produced heavy snow in New England and, later, rain along the coast, through North Carolina and westward through Tennessee to northeastern Oklahoma. Some heavy rain fell in North Carolina and northern Mississippi. Wet snow fell to the north of the front from Kentucky to Virginia. A cold front, moving onto the west coast, produced light to moderate rain all along the coast.

**THURSDAY ...** The cold front dipped into the Southeast and became stationary from the Carolinas through Alabama and to a low-pressure system in western Tennessee. Light rain showers spread throughout the Southeast except Florida, and light snow showers covered the area north of the Ohio Valley through the Lakes and western Pennsylvania and New York. Rain showers also covered Missouri and northern Arkansas. The Pacific front moved inland but produced light to moderate showers all along the coast with some heavier showers in southern California and Baja, Mexico.

**FRIDAY ...** A low-pressure system moved into the Atlantic off North Carolina and then moved rapidly northeastward. Rain spread along the coast to Delaware, and light snow fell in western Virginia and Maryland and through West Virginia and Pennsylvania. Light to moderate showers fell through southern Texas into New Mexico and Colorado. Heavy rain and high winds again plagued the entire west coast. The precipitation extended eastward over the Plateau to the central and northern Rockies. Snow covered the central Plateau and the higher mountains.

(continued on p. 15)

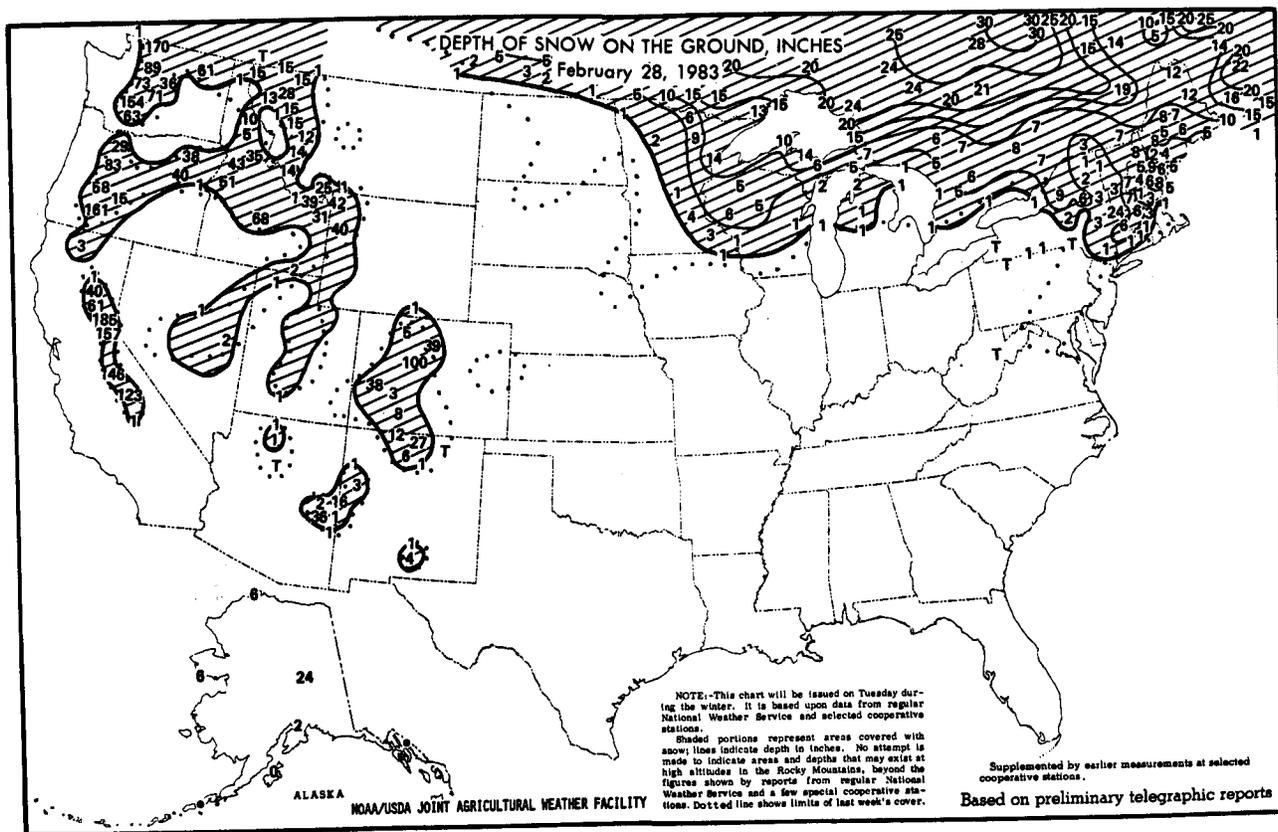
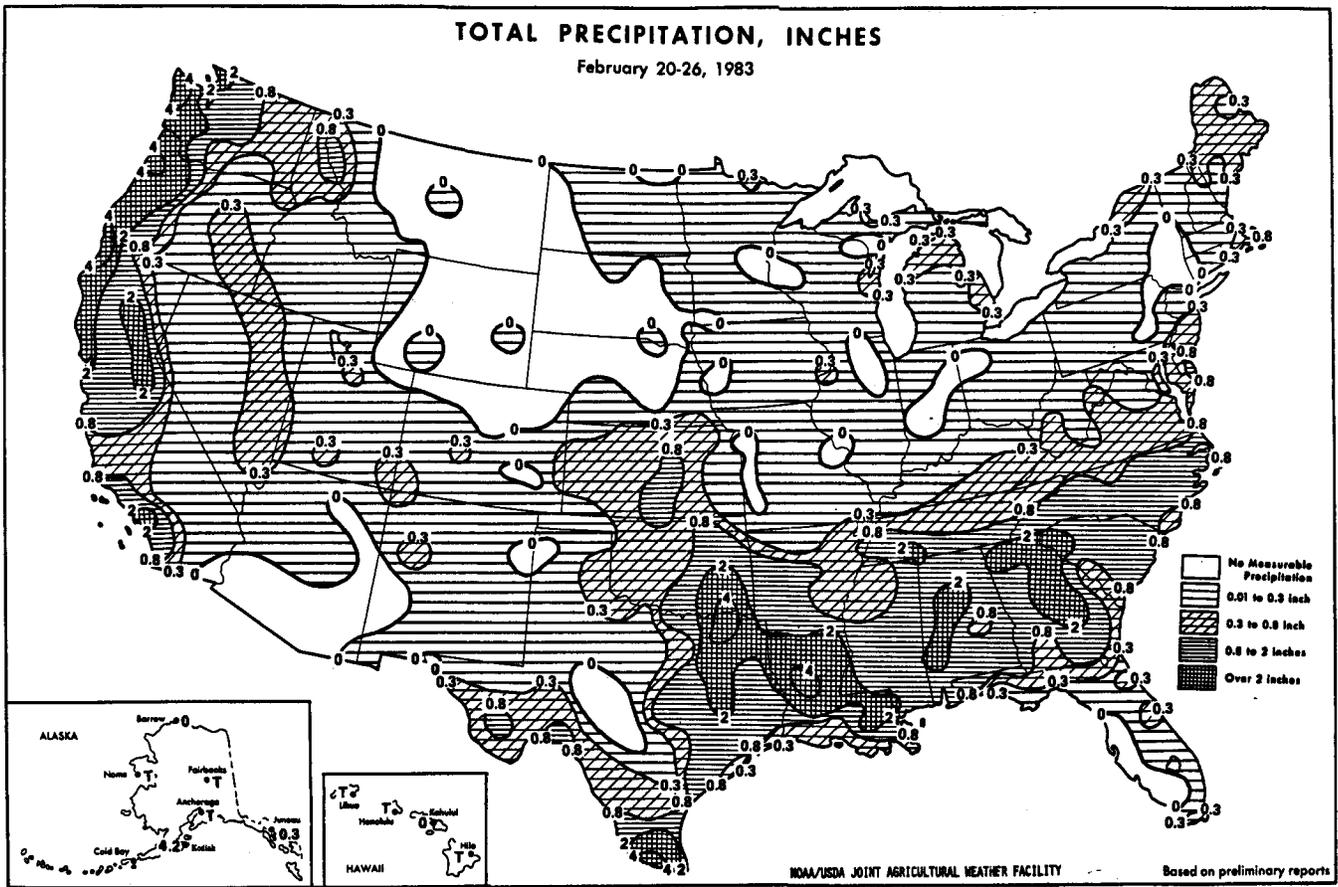
**HIGHLIGHTS ...** Moderate to heavy rain accompanied by severe weather and a few tornadoes delayed fieldwork from eastern Texas through the Southeast. Rain continued all week through Washington and Oregon, and by midweek, spread throughout the west coast area. Torrential rains and high winds through parts of California caused tidal damage on the coast and mudslides inland. Heavy snow added to the snowpack in the Cascades and Sierras. Warmer than normal temperatures covered most of the Nation. Only southern Texas and northern Florida was a little below normal. The northern Plains were as much as 20° warmer than normal. Winter grains were greening as far north as Nebraska and losing dormancy in the northern Plains. Snow cover disappeared in most agricultural areas.

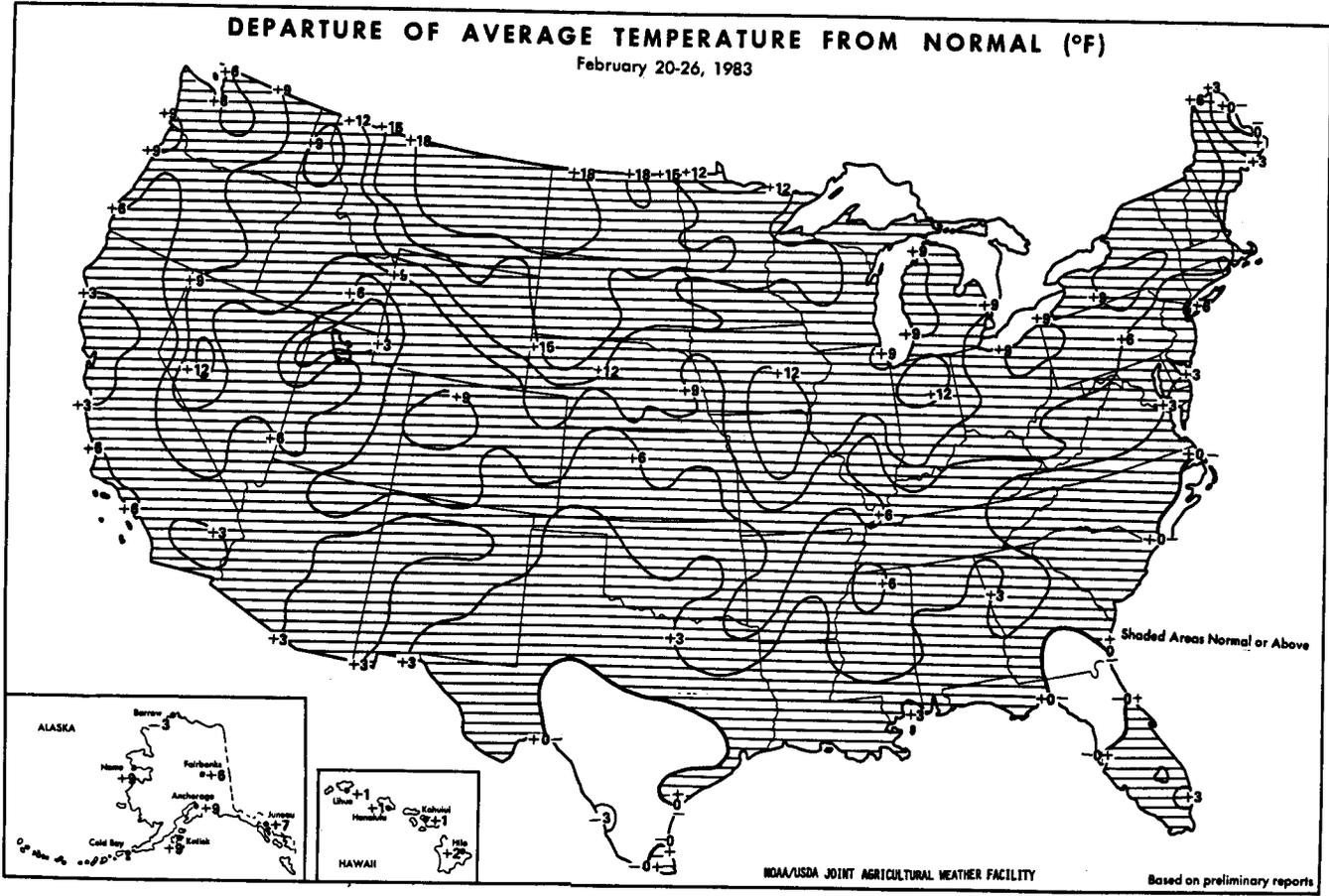
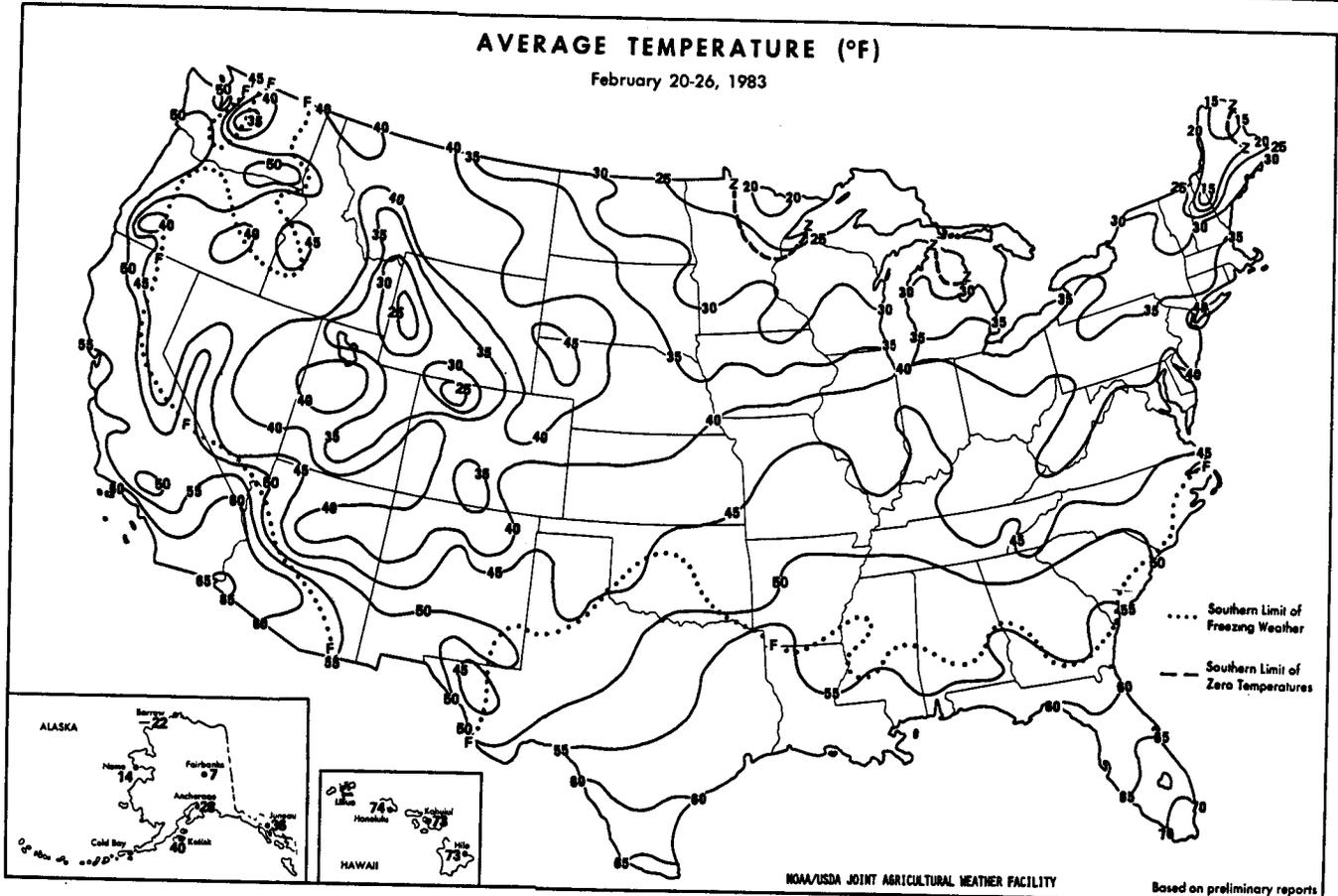
**SUNDAY ...** A cold front moving through the Plains produced snow from northeastern New Mexico into southwestern Nebraska. Later, freezing rain fell from western Kansas to central Nebraska. Showers and thunderstorms fell along and ahead of the front from western Texas through most of Oklahoma into Kansas and into Arkansas and Louisiana. Severe weather in eastern Texas produced tornadoes. Record-high temperatures moved ahead of the front from Missouri to Michigan. On the west coast, showers reached through Washington and Oregon.

**MONDAY ...** A low-pressure system formed in the Gulf of Mexico and triggered heavy rains over the central gulf coast and lighter showers throughout the Gulf States and eastern Plains to Nebraska and Iowa. Thunderstorms produced heavy rain and local flooding in Louisiana and Mississippi. Record-high temperatures moved ahead of the front into Burlington, Iowa, and Michigan and West Virginia. Rain also fell in the Northwest from northern California to Washington and to the northern Rockies. Snow covered the higher elevations.

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Weather Data for the Week Ending Feb. 26, 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		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	60	42	69	26	51	3	2.0	-.6	1.8	26.5	171	11.2	114	82	46	0	2	2	1
MOBILE	64	46	72	36	55	0	1.9	-.5	1.7	23.9	151	14.9	160	87	49	0	0	2	1
MONTGOMERY	63	45	71	32	54	2	.8	-.4	.7	23.1	167	12.8	152	83	45	0	1	2	1
AK ANCHORAGE	34	23	37	18	28	9	0	-.2	T	1.3	43	.5	28	80	58	0	7	0	0
BARROW	-19	-26	-15	-29	-22	-3	0	0	0	.2	25	.1	17	76	64	0	7	0	0
FAIRBANKS	18	-4	31	-22	7	6	0	-.1	T	1.1	65	.4	40	66	41	0	7	0	0
JUNEAU	41	31	44	25	36	7	.3	-.5	.3	6.5	53	5.3	74	98	80	0	5	4	0
KODIAK	43	38	43	32	40	9	4.2	3.0	1.7	29.6	197	16.7	174	97	83	0	1	7	3
NOME	23	4	33	-15	14	9	T	-.2	T	2.3	92	.2	12	70	43	0	7	0	0
AZ PHOENIX	73	49	79	43	61	5	T	-.2	T	4.3	195	1.9	136	72	25	0	0	0	0
PRESCOTT	58	31	65	25	45	3	.1	-.2	.1	4.2	89	1.5	54	79	32	0	5	1	0
TUCSON	71	43	78	36	57	3	0	-.2	0	5.0	200	2.7	180	64	22	0	0	0	0
YUMA	77	53	82	48	65	4	0	-.1	0	2.8	280	.8	133	44	19	0	0	0	0
AR FORT SMITH	59	42	69	30	50	6	1.0	-.2	.9	9.2	106	3.1	58	93	55	0	2	3	1
LITTLE ROCK	58	42	67	27	50	4	.9	-.3	.5	13.0	104	3.9	48	86	62	0	1	4	1
CA BAKERSFIELD	63	46	70	40	54	0	.5	-.3	.2	4.3	179	3.3	194	88	56	0	0	3	0
EUREKA	60	49	65	44	54	6	2.4	1.2	.8	30.1	154	17.0	139	91	61	0	0	6	2
FRESNO	62	46	68	43	54	3	.5	0	.3	11.0	204	8.1	238	96	60	0	0	2	0
LOS ANGELES	67	51	74	49	59	3	2.4	1.8	2.3	11.6	171	9.8	200	85	50	0	0	2	1
RED BLUFF	60	47	67	42	54	3	2.0	1.3	1.3	18.3	156	12.9	177	89	60	0	0	4	1
SACRAMENTO	60	47	63	39	53	2	1.0	-.4	.7	12.8	135	8.2	134	92	65	0	0	3	1
SAN DIEGO	68	55	75	51	62	4	.8	-.4	.4	7.6	149	5.3	161	83	50	0	0	2	0
SAN FRANCISCO	59	48	62	42	54	2	1.7	1.0	1.0	18.2	158	12.4	175	87	60	0	0	4	1
CO DENVER	53	29	61	25	41	7	0	-.2	0	2.5	167	.2	20	78	30	0	7	0	0
GRAND JUNCTION	56	34	64	31	45	10	.1	-.1	.1	1.5	79	1.2	92	87	40	0	3	1	0
PUEBLO	58	25	64	18	41	5	0	-.1	0	.5	56	.6	100	94	29	0	7	0	0
CT BRIDGEPORT	43	29	46	23	36	4	T	-.7	T	7.5	81	5.1	94	79	51	0	5	1	0
HARTFORD	42	25	47	18	34	5	.1	-.8	.1	11.8	108	8.6	137	71	41	0	7	1	0
DC WASHINGTON	53	34	63	29	43	5	.2	-.5	.2	8.5	100	5.0	98	79	40	0	3	2	0
FL APALACHICOLA	66	49	72	38	57	1	.1	-.9	.1	15.2	152	9.1	142	89	57	0	0	2	0
DAYTONA BEACH	70	52	74	46	61	1	T	-.7	T	10.4	146	8.5	173	84	46	0	0	1	0
JACKSONVILLE	66	44	74	35	55	-2	.2	-.7	.1	13.7	156	11.4	190	91	52	0	0	2	0
KEY WEST	73	66	76	60	69	-3	1.2	-.8	1.1	21.4	428	21.1	621	88	65	0	0	3	1
MIAMI	77	65	80	60	71	3	T	-.5	T	11.9	209	10.7	268	88	52	0	0	1	0
ORLANDO	73	53	77	48	63	1	.4	-.4	.3	10.9	154	9.9	194	94	44	0	0	2	0
TALLAHASSEE	68	45	76	38	57	1	.3	-.8	.3	15.7	122	9.9	121	88	43	0	0	1	0
TAMPA	71	56	76	49	63	1	T	-.8	T	9.4	129	8.1	165	93	56	0	0	0	0
WEST PALM BEACH	73	61	75	54	67	0	.3	-.4	.2	18.8	261	17.3	353	87	55	0	0	3	0
GA ATLANTA	58	39	65	26	49	2	1.5	-.4	1.3	14.9	114	7.7	92	85	41	0	2	2	1
AUGUSTA	64	37	70	27	50	1	.5	-.5	.4	15.2	142	9.7	143	87	34	0	4	3	0
MACON	64	43	73	29	54	2	3.2	2.0	3.0	20.1	162	12.6	159	94	49	0	1	2	1
SAVANNAH	65	45	73	32	55	2	.7	-.2	.6	14.0	156	10.7	191	88	40	0	1	4	1
HI HILO	82	64	84	62	73	2	T	-.3	T	9.4	24	1.6	8	87	50	0	0	1	0
HONOLULU	83	65	84	61	74	1	T	-.6	T	2.5	24	.3	5	92	56	0	0	1	0
KAHULUI	83	63	85	58	73	1	0	-.6	0	5.8	62	.6	10	88	52	0	0	0	0
LIHUE	81	65	85	62	73	1	T	-.6	T	5.4	31	.8	8	85	55	0	0	0	0
ID BOISE	56	38	63	34	47	9	.1	-.2	T	5.2	124	2.9	112	76	44	0	0	3	0
LEWISTON	57	41	60	36	49	9	.4	-.2	.3	3.2	91	2.2	110	85	52	0	0	3	0
POCATELLO	50	28	59	24	39	8	.1	-.1	.1	3.9	134	1.6	89	92	45	0	6	1	0
IL CHICAGO	44	27	61	16	36	8	.1	-.3	T	10.9	227	2.8	90	85	52	0	4	2	0
MOLINE	48	31	64	21	39	11	.3	0	.3	7.4	161	2.0	71	87	53	0	3	2	0
PEORIA	50	32	66	22	41	11	T	-.4	T	7.7	151	1.5	47	88	51	0	4	1	0
QUINCY	49	34	66	25	42	10	T	-.4	T	9.7	190	.9	29	85	59	0	3	1	0
ROCKFORD	44	28	61	17	36	10	T	-.3	T	6.5	130	2.2	71	90	59	0	4	0	0
SPRINGFIELD	51	33	67	20	42	10	T	-.5	T	10.7	195	1.4	41	90	52	0	3	1	0
IN EVANSVILLE	56	35	70	25	46	8	T	-.9	T	11.4	112	2.6	40	80	41	0	2	1	0
FORT WAYNE	51	31	66	17	41	12	T	-.5	T	6.7	97	1.7	39	91	52	0	3	0	0
INDIANAPOLIS	54	31	68	18	42	10	T	-.6	T	8.6	108	2.0	40	85	41	0	3	0	0
SOUTH BEND	50	31	66	19	40	12	T	-.5	T	5.5	80	1.7	40	89	48	0	3	2	0
IA DES MOINES	46	31	56	22	39	12	.1	-.3	.1	7.3	209	3.3	150	90	60	0	4	1	0
SIOUX CITY	39	30	51	27	34	9	T	-.3	T	3.4	136	1.1	79	90	76	0	6	1	0
WATERLOO	38	26	50	16	32	9	.1	-.2	.1	6.0	194	2.2	122	94	73	0	6	3	0
KS CONCORDIA	47	32	54	27	39	6	.4	-.1	.3	4.5	196	2.8	215	90	67	0	3	3	0
DODGE CITY	49	33	63	31	41	5	.6	-.4	.6	2.9	193	1.9	173	96	70	0	3	2	1
GOODLAND	46	32	61	30	39	6	.5	-.3	.5	2.9	242	1.1	138	91	61	0	6	1	0
TOPEKA	50	36	56	32	43	8	.1	-.2	.1	5.1	142	1.3	68	81	57	0	2	2	0
WICHITA	49	36	57	29	43	5	.5	-.3	.4	4.7	157	3.1	182	94	68	0	1	2	0
KY BOWLING GREEN	54	34	68	22	44	3	.3	-.8	.3	11.2	77	4.4	46	93	59	0	3	1	0
LEXINGTON	53	33	68	17	43	6	.1	-.9	.1	7.8	72	2.8	40	84	43	0	3	2	0
LOUISVILLE	55	31	68	19	43	6	T	-.9	T	8.6	83	3.0	45	83	43	0	3	2	0
LA BATON ROUGE	65	49	74	40	57	1	2.7	1.4	2.1	27.7	187	10.9	117	74	45	0	0	1	1
LAKE CHARLES	65	48	73	41	57	2	1.0	-.2	1.0	24.9	174	10.2	116	88	49	0	0	1	1
NEW ORLEANS	66	49	73	40	57	1	.5	-.6	.5	22.2	153	10.4	125	94	57	0	0	1	1
	66	51	75	45	58	2	1.0	-.3	.9	26.5	180	15.7	173	87	50	0	0	2	1

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending Feb. 26, 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	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME SHREVEPORT	65	44	75	33	55	3	3.4	2.5	2.8	24.7	208	11.0	151	93	51	0	0	3	1
ME CARIBOU	25	8	31	3	17	2	.4	-.2	.3	7.4	106	4.6	110	84	52	0	7	3	0
ME PORTLAND	38	23	42	16	30	6	.3	-.6	.3	10.0	91	8.5	131	84	51	0	7	1	0
MD BALTIMORE	49	29	59	22	39	3	.3	-.5	.3	10.9	117	7.7	138	83	44	0	5	1	0
MD SALISBURY	49	31	59	26	40	0	.9	-.1	.7	9.9	97	5.1	77	93	55	0	3	2	1
MA BOSTON	42	30	48	26	36	4	.1	-.8	.1	11.6	99	10.0	143	80	47	0	4	2	0
MA CHATHAM	41	32	45	29	36	-	-.9	-.1	.9	13.7	-	9.3	87	66	0	5	2	1	
MI ALPENA	35	20	53	0	28	8	.3	-.1	.2	5.9	116	2.8	90	97	66	0	6	3	0
MI DETROIT	44	26	59	16	35	7	.1	-.4	.1	5.5	92	1.6	46	87	51	0	7	3	0
MI FLINT	42	27	59	12	35	9	.3	-.2	.2	5.2	100	2.0	57	91	58	0	4	3	0
MI GRAND RAPIDS	43	25	60	15	34	8	.1	-.3	.1	9.5	167	2.6	76	85	55	0	6	1	0
MI HOUGHTON LAKE	37	22	54	6	29	10	.2	-.2	.1	5.3	108	2.1	75	89	59	0	7	2	0
MI LANSING	42	26	59	16	34	9	.2	-.3	.2	5.9	102	1.8	50	93	61	0	6	3	0
MI MARQUETTE	32	16	39	3	24	8	.4	-.1	.2	8.8	144	5.9	169	98	69	0	7	4	0
MI MUSKEGON	41	26	56	12	33	8	T	-.4	T	8.0	121	2.3	59	90	58	0	4	1	0
MI SAULT STE. MARIE	32	17	47	2	25	8	.1	-.2	.1	8.1	133	3.3	94	95	68	0	7	3	0
MN ALEXANDRIA	35	23	43	16	29	15	T	-.2	T	1.7	85	1.1	92	94	71	0	7	1	0
MN DULUTH	31	17	37	-3	24	9	T	-.2	T	3.0	83	1.8	90	90	67	0	7	1	0
MN INT'L FALLS	30	8	37	-8	19	10	.3	-.1	.3	1.5	56	1.1	79	94	64	0	7	1	0
MN MINNEAPOLIS	37	25	42	14	31	12	T	-.3	T	5.7	248	1.8	138	97	74	0	6	0	0
MN ROCHESTER	32	24	37	10	28	9	.1	-.1	.1	5.2	248	2.0	167	91	76	0	6	2	0
MS GREENWOOD	62	47	73	33	54	5	.7	-.6	.6	28.7	186	11.3	120	81	51	0	0	2	1
MS JACKSON	64	44	74	32	54	3	1.1	-.1	.7	32.1	226	14.1	160	94	50	0	1	2	1
MS MERIDIAN	64	44	74	33	54	3	.9	-.4	.9	24.2	164	12.3	138	93	52	0	0	3	1
MO CAPE GIRARDEAU	55	38	70	24	47	5	.1	-.6	.1	12.7	126	1.4	22	92	56	0	2	1	0
MO COLUMBIA	56	38	70	25	47	11	.1	-.4	.1	7.9	155	.8	26	86	49	0	2	1	0
MO KANSAS CITY	50	36	59	30	43	9	T	-.3	T	5.2	133	1.2	50	86	59	0	2	0	0
MO SAINT LOUIS	55	36	72	22	46	9	T	-.6	T	9.3	158	1.3	35	90	45	0	2	0	0
MO SPRINGFIELD	58	38	72	26	48	9	.1	-.6	.1	10.2	162	1.3	34	81	39	0	2	1	0
MT BILLINGS	56	32	67	26	44	15	T	-.2	T	1.5	68	.4	31	78	33	0	2	0	0
MT GLASGOW	45	30	52	22	38	20	T	-.1	T	1.3	93	.2	22	88	65	0	6	0	0
MT GREAT FALLS	56	32	63	28	44	16	T	-.2	T	1.3	57	.4	27	71	32	0	5	0	0
MT HAVRE	53	26	62	23	40	20	T	-.1	T	.5	36	.4	40	95	45	0	7	0	0
MT HELENA	53	27	59	24	40	13	0	-.1	0	1.6	107	.4	50	88	38	0	7	0	0
MT KALISPELL	47	29	55	27	38	11	.3	-.1	.2	3.8	100	1.9	79	98	67	0	7	3	0
MT MILES CITY	52	31	60	27	42	18	0	-.1	0	1.2	92	.3	38	89	43	0	4	0	0
MT MISSOULA	50	31	57	27	40	11	T	-.1	T	2.6	84	1.5	83	97	58	0	6	1	0
NE GRAND ISLAND	47	28	61	25	38	8	T	-.2	T	2.8	187	1.0	91	89	59	0	7	0	0
NE LINCOLN	47	31	57	28	39	9	.1	-.2	T	3.5	175	1.5	115	94	67	0	5	2	0
NE NORFOLK	44	30	56	28	37	11	T	-.2	T	3.9	195	1.4	100	87	62	0	7	0	0
NE NORTH PLATTE	45	30	62	27	38	8	T	-.1	T	1.7	121	.6	67	91	60	0	6	1	0
NE OMAHA	43	30	54	26	37	9	T	-.3	T	4.3	165	2.2	138	92	79	0	6	0	0
NE SCOTT'S BLUFF	57	25	63	18	41	10	0	-.1	0	.8	80	.2	40	84	27	0	7	0	0
NE VALENTINE	47	28	60	21	38	12	T	-.1	T	.5	42	.3	33	81	48	0	5	0	0
NV ELY	49	23	55	13	36	7	.5	-.3	.4	3.5	175	2.4	200	89	46	0	7	2	0
NV LAS VEGAS	65	45	70	39	55	4	.1	0	.1	2.2	157	.8	100	55	27	0	0	1	0
NV RENO	53	29	61	25	41	3	.1	-.1	.1	4.5	141	2.7	142	90	40	0	6	2	0
NV WINNEMUCCA	55	31	62	26	43	8	.2	0	.2	3.6	124	1.9	112	76	39	0	6	2	0
NH CONCORD	40	23	51	10	32	7	.1	-.6	.1	7.4	86	6.1	122	85	41	0	7	1	0
NH ATLANTIC CITY	49	29	57	24	39	4	.7	-.2	.7	9.9	87	5.0	74	93	54	0	5	1	1
NM ALBUQUERQUE	60	30	64	23	45	4	.1	-.1	.1	2.6	200	1.8	257	81	26	0	6	1	0
NM CLOVIS	53	35	64	33	44	1	.1	0	.1	2.0	143	1.4	175	89	52	0	0	1	0
NM ROSWELL	60	34	68	29	47	2	T	-.1	T	2.1	191	.6	100	64	35	0	3	1	0
NY ALBANY	41	26	46	15	34	8	T	-.6	T	7.4	100	5.7	139	86	48	0	6	0	0
NY BINGHAMTON	41	26	54	15	33	10	T	-.5	T	6.4	85	4.0	89	83	53	0	7	1	0
NY BUFFALO	41	27	58	20	34	9	.3	-.4	.2	6.6	74	2.7	50	87	52	0	5	4	0
NY NEW YORK	45	34	53	27	40	5	T	-.8	T	9.1	94	7.1	125	72	42	0	1	0	0
NY ROCHESTER	42	27	55	20	35	9	.2	-.5	.1	5.3	75	2.6	59	87	54	0	6	3	0
NY SYRACUSE	43	25	52	15	34	8	T	-.7	T	6.2	71	3.0	58	93	53	0	6	1	0
NC ASHEVILLE	53	31	64	23	42	1	1.5	-.6	1.5	14.3	138	8.9	135	87	46	0	4	3	1
NC CHARLOTTE	57	34	66	25	46	0	1.0	0	.8	12.2	110	7.7	107	86	40	0	4	3	1
NC GREENSBORO	54	32	65	24	43	1	.8	-.1	.4	9.7	98	5.2	80	90	43	0	5	4	0
NC HATTERAS	52	40	64	35	46	0	.8	-.3	.5	22.6	171	16.6	205	92	63	0	0	4	1
NC NEW BERN	58	37	72	30	47	-1	1.1	-.1	.7	17.7	151	12.0	162	99	52	0	1	4	1
NC RALEIGH	55	34	68	26	44	1	1.1	-.2	.5	12.5	126	7.8	120	92	48	0	4	5	0
NC WILMINGTON	59	37	68	31	48	-1	.8	-.1	.5	18.5	181	12.2	191	94	48	0	1	4	0
ND BISMARCK	41	24	55	20	33	17	.1	-.1	.1	1.0	63	.5	45	97	67	0	7	1	0
ND FARGO	35	19	46	13	27	13	.2	-.1	.2	.8	57	.7	78	89	66	0	7	2	0
ND GRAND FORKS	35	20	42	14	28	16	T	-.1	T	1.0	59	.6	55	81	65	0	7	1	0
ND WILLISTON	44	26	48	16	35	18	T	-.1	T	1.9	127	.4	44	91	64	0	7	0	0
OH AKRON-CANTON	49	29	64	20	39	10	T	-.5	T	7.3	100	2.9	60	84	50	0	4	2	0
OH CINCINNATI	53	29	68																

Weather Data for the Week Ending Feb. 26, 1983

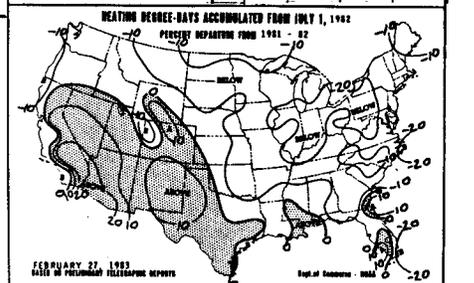
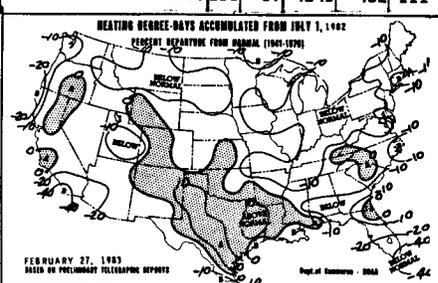
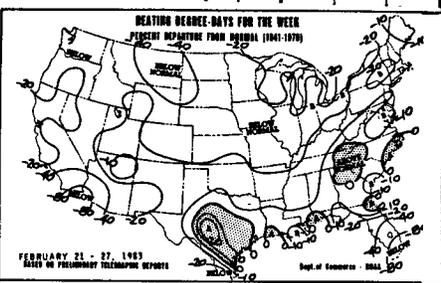
STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Nov. 28	PCT. NORMAL SINCE Nov. 28	TOTAL, IN., SINCE Jan. 1	PCT. NORMAL SINCE Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERA- TURE °F		PRECIPI- TATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	51	31	66	17	41	9	T	.5	T	6.5	86	2.1	43	80	45	0	4	1	0
TOLEDO	48	25	63	11	36	7	T	.4	T	5.6	90	1.4	38	92	49	0	6	2	0
YOUNGSTOWN	49	30	64	20	40	11	T	.6	T	6.0	75	2.3	45	76	53	0	4	1	0
OK OKLAHOMA CITY	55	41	63	34	48	5	.4	0	.4	6.4	168	4.5	188	85	59	0	0	1	0
TULSA	54	42	61	30	48	5	1.4	.9	.5	8.6	172	5.2	168	90	60	0	1	5	0
OR ASTORIA	58	47	61	44	53	9	3.2	1.4	1.1	37.4	131	22.2	131	93	68	0	0	7	2
BURNS	47	31	54	22	39	6	.6	.4	.2	5.0	109	2.5	93	--	--	0	4	5	0
MEDFORD	55	41	65	36	48	5	.6	.1	.3	12.7	132	6.6	118	98	66	0	0	5	0
PENDLETON	58	44	64	36	51	10	.2	0	.1	4.4	110	2.2	88	80	48	0	0	4	0
PORTLAND	57	46	63	44	52	7	2.3	1.4	.5	23.2	141	14.0	144	93	66	0	0	7	0
SALEM	56	45	60	39	50	6	3.4	2.2	.8	27.1	143	16.4	144	90	71	0	0	7	3
PA ALLENTOWN	43	28	49	23	36	5	T	.7	T	8.3	88	6.1	109	81	46	0	6	1	0
ERIE	45	28	62	19	37	10	.3	.3	.1	6.3	82	2.6	57	85	55	0	5	3	0
HARRISBURG	46	29	52	22	37	3	0	.6	0	7.4	89	5.6	114	82	47	0	5	0	0
PHILADELPHIA	46	30	54	24	38	3	.3	.4	.3	9.4	106	6.3	119	86	44	0	6	1	0
PITTSBURGH	48	29	64	21	39	8	.1	.5	.1	6.4	83	2.9	57	83	45	0	6	2	0
SCRANTON	42	28	52	20	35	7	T	.5	T	4.5	67	2.7	68	75	53	0	6	0	0
RI PROVIDENCE	42	31	46	25	37	6	.3	.6	.3	10.9	96	9.0	134	90	50	0	4	2	0
SC CHARLESTON	63	44	71	35	54	2	1.0	.1	.9	15.0	160	10.6	177	88	42	0	0	2	1
COLUMBIA	63	36	70	29	50	1	1.0	0	1.0	12.6	125	8.0	121	90	36	0	3	1	1
FLORENCE	62	39	70	30	50	1	1.1	.3	.7	13.9	154	8.7	153	91	45	0	1	4	1
SD GREENVILLE	58	35	65	22	47	1	1.6	.4	1.4	15.1	117	7.8	95	89	38	0	2	2	1
ABERDEEN	41	26	51	24	34	16	T	.2	T	.5	29	.4	36	87	64	0	7	0	0
HURON	41	28	52	22	34	14	T	.2	T	.7	50	.1	11	97	67	0	6	0	0
RAPID CITY	55	29	65	24	42	15	T	.1	T	.6	50	.3	38	82	36	0	6	0	0
ST LOUIS FALLS	37	27	45	24	32	10	T	.3	T	2.8	117	.8	50	96	82	0	7	1	0
TN CHATTANOOGA	57	37	68	27	47	3	1.2	.3	1.2	18.1	115	7.1	70	83	39	0	3	2	1
KNOXVILLE	56	34	67	24	45	1	.7	.5	.4	10.3	73	4.8	53	91	45	0	4	4	0
MEMPHIS	59	43	72	28	51	5	.4	.8	.2	18.7	128	4.8	51	87	53	0	1	3	0
NASHVILLE	56	37	71	24	47	4	.4	.8	.3	12.7	93	5.5	63	85	47	0	2	2	0
TX ABILENE	59	39	71	35	49	-1	T	.2	T	3.6	120	2.3	121	87	47	0	0	1	0
AMARILLO	50	33	67	30	42	0	.2	.1	.2	3.7	218	3.0	333	98	65	0	4	3	0
AUSTIN	63	45	76	43	54	0	.1	.7	.1	7.1	97	4.9	100	85	49	0	0	2	0
BEAUMONT	67	48	73	22	57	1	.7	.3	.7	26.9	202	11.9	151	93	54	0	1	1	1
BROWNSVILLE	75	54	84	47	65	0	1.1	.8	1.1	6.4	149	3.7	132	95	52	0	0	2	1
CORPUS CHRISTI	71	50	80	41	60	-1	1.1	.6	1.0	4.8	92	4.1	117	93	50	0	0	2	1
DEL RIO	67	46	73	42	56	-1	.6	.4	.4	2.6	130	1.7	113	77	44	0	0	2	0
EL PASO	66	37	70	28	51	1	T	.1	T	3.6	277	.9	129	77	23	0	1	0	0
FORT WORTH	61	44	72	38	53	2	.5	.1	.3	6.6	108	3.8	95	86	55	0	0	2	0
GALVESTON	62	52	70	47	57	0	0	.6	0	13.5	142	7.5	139	90	71	0	0	0	0
HOUSTON	65	49	74	42	57	0	1.3	.4	1.1	11.8	104	6.0	86	86	52	0	0	2	1
LUBBOCK	56	35	69	33	45	1	.1	.1	.1	5.1	340	3.0	333	94	55	0	0	3	0
MIDLAND	60	38	72	36	49	0	.2	0	.2	2.7	169	1.5	136	80	43	0	0	1	0
SAN ANGELO	61	38	73	31	50	-2	0	.2	0	3.4	142	2.5	156	85	42	0	2	0	0
SAN ANTONIO	66	44	76	41	55	-1	.1	.4	.1	5.3	106	3.0	88	83	41	0	0	1	0
VICTORIA	67	49	78	44	58	0	1.0	.5	1.0	6.2	103	5.5	145	95	56	0	0	1	1
WACO	62	43	77	35	53	1	1.3	.7	1.3	6.3	98	4.2	98	93	60	0	0	2	1
UT WICHITA FALLS	59	41	68	35	50	2	.1	.2	.1	4.7	127	2.8	127	96	56	0	0	1	0
BLANDING	52	29	58	25	41	6	.4	.2	.4	4.8	150	3.1	163	84	39	0	6	2	0
CEDAR CITY	56	31	63	24	44	9	.1	.2	.1	3.1	141	1.9	146	74	34	0	4	1	0
SALT LAKE CITY	53	31	61	28	42	7	.3	0	.3	5.0	128	2.5	114	86	45	0	5	1	0
VT BURLINGTON	36	23	44	11	29	9	.1	.4	T	7.1	120	4.8	141	84	49	0	7	2	0
VA NORFOLK	52	36	69	28	44	2	.4	.4	.3	13.1	131	8.3	128	85	51	0	2	3	0
RICHMOND	54	34	72	29	44	4	.4	.3	.3	9.4	103	5.5	98	93	48	0	3	2	0
ROANOKE	53	31	65	25	42	3	.3	.5	.2	9.2	102	5.4	96	85	40	0	5	4	0
WA COLVILLE	47	37	50	35	42	9	.5	.2	.2	8.8	152	5.0	143	93	79	0	0	4	0
QUILLAYUTE	54	41	58	32	48	6	6.0	3.1	2.0	48.6	113	34.0	131	99	72	0	1	7	5
SEATTLE-TACOMA	56	44	62	35	50	7	1.7	.7	.4	19.4	120	11.5	120	97	63	0	0	7	0
SPOKANE	52	38	59	33	45	11	.5	.1	.3	7.7	115	4.1	100	97	67	0	0	4	0
YAKIMA	56	37	61	30	46	8	.4	.2	.2	5.8	161	3.6	164	92	60	0	1	5	0
WV BECKLEY	48	30	63	18	39	5	.2	.7	.1	4.7	45	2.0	30	87	56	0	4	4	0
CHARLESTON	54	30	69	23	42	4	.3	.4	.3	7.4	76	3.9	62	87	42	0	5	2	0
HUNTINGTON	54	32	68	24	43	5	.2	.5	.1	7.3	81	3.3	57	84	44	0	3	3	0
PARKERSBURG	53	29	68	20	41	6	.1	.7	.1	8.1	86	3.8	59	90	40	0	4	2	0
WI GREEN BAY	35	23	43	15	29	9	.4	.2	.4	5.1	142	2.2	105	91	65	0	7	1	0
LA CROSSE	35	23	41	10	29	7	.1	.2	.1	3.9	139	1.6	94	98	79	0	6	1	0
MADISON	38	23	50	11	30	8	T	.3	T	6.7	176	2.7	129	93	63	0	7	2	0
MILWAUKEE	42	26	55	17	34	10	T	.3	T	7.4	161	3.0	107	90	58	0	5	1	0
WAUSAU	36	23	47	12	30	12	T	.3	T	5.1	146	2.1	91	88	65	0	6	1	0
WY CASPER	49	29	57	23	39	11	T	.1	T	4.6	329	.9	100	85	41	0	6	0	0
CHEYENNE	51	23	58	19	37	7	0	.1	0	.9	69	0	0	84	33	0	7	0	0
LANDER	43	25	51	21	34	6	0	.2	0	2.2	138	.6	55	88	57	0	7	0	0
SHERIDAN	58	28	68	24	43	16	0	.2	0	1.1	55	.3	25	79	31	0	7	0	0
PR SAN JUAN	88	74	109	72	81	5	.2	.4	.1	7.7	68	.9	15	81	57	2	0	2	0

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

+100 = NORMAL & ACTUAL NEAR THE SAME

HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING FEB. 27, 1983.
BASED ON 1941-70 NORMALS. +ACCUMULATION FROM JULY 1, 1982

Table with columns for STATES AND STATIONS, WEEKLY DEPARTURE\*, SEASONAL ACCUMULATION +, and DEPARTURE FROM 1981-82. Rows list various cities across the United States with their corresponding heating degree day data.



## National Agricultural Summary

February 21 to 27

**HIGHLIGHTS...**Mild temperatures melted most of the remaining snow cover across the Great Plains and promoted greening of winter wheat as far north as Nebraska. Producers in the Corn Belt began land preparation for spring planting, while wet fields again delayed progress in the Southeast. Growers in this region generally had less than 2 days suitable for fieldwork. Winter wheat was rated in fair to good condition. Warm temperatures encouraged early spring growth.

Producers in Oklahoma and Texas began grazing livestock on small grain fields. Sorghum planting gained momentum in South Texas. Corn planting was underway across the South from Texas to Florida. Planting and transplanting of tobacco began in Florida. Vegetable planting and harvesting remained active in the South but was delayed by rain in California. Calving and lambing gained momentum across the Nation. There were few weather-related problems.

**SMALL GRAINS...**Winter wheat was generally in good condition in Kansas and fair to good in nearly all other areas of the Nation. Above-normal temperatures caused greening of wheat as far north as Nebraska. Wet fields further delayed topdressing in the Southeast. Wet soils delayed seeding of oats and barley in Kansas. Growers applied fertilizer where conditions permitted. Winter wheat was generally rated good as mild temperatures caused some greening. Wheat stands made excellent growth in Oklahoma. Livestock were moved onto wheat pastures. Wheat and oats responded well to warm temperatures and adequate moisture in Texas. Producers rated the wheat crop in mostly fair to good condition, with minimal disease and insect problems. Small grains provided enough growth for some grazing. Northern Plains wheatlands were in fair to good condition with wind damage reported light. Mild temperatures eliminated most remaining snow cover. Growers in the Corn Belt began spreading fertilizer and preparing small grain seedbeds.

**OTHER CROPS...**Wet conditions further delayed Florida's sugarcane harvest. Young cane was reported in fair to good condition. Corn planting was underway across the South from Texas to Florida. However, wet soils in States east of Texas delayed land preparation and planting. Sorghum planting was underway in portions of the Rio Grande Valley and South Texas. In Arizona, growers continued land preparation for the 1983 cotton crop. Only two tobacco markets remained open in Kentucky. Growers were planting seedbeds in many areas across the South. Transplanting was underway in Florida on a limited basis. Plants were in good condition in Georgia and rated fair to good in North Carolina.

**FRUITS AND NUTS...**Producers were pruning deciduous fruit trees and applying dormant sprays. Peach

buds were close to opening in the area from South Texas to Arkansas.

Florida's citrus groves continued in excellent condition under near perfect weather. Picking of Valencia and Temple oranges was active and grapefruit harvesting was increasing. Harvesting of Valencia oranges gained momentum in the Lower Rio Grande Valley of Texas, while picking of other citrus continued steady. Arizona's citrus trees continued in good condition. Growers harvested most citrus on a limited scale. Valencia orange picking was increasing in Yuma County, but growers postponed picking in Maricopa County due to a slow market.

In California, wet conditions delayed citrus harvesting. Producers sprayed orchards and vineyards as the weather permitted. Growers reported a heavy grade out of Navel oranges in the San Joaquin Valley. Apricot and Cling peach buds continued to swell, and some orchards were blooming.

**VEGETABLES...**Harvesting of Florida's vegetables gained momentum as fields dried. Total shipments increased 11% from the previous week. The only crops registering a decline were eggplant and squash. Strawberry harvest gained in volume as later varieties came into production.

Spring vegetable planting was underway in East Texas, but wet fields delayed sweet potato planting. Harvesting of broccoli, cabbage, carrots, lettuce, and spinach was active in the San Antonio-Winter Garden area. Watermelon planting continued in the Lower Rio Grande Valley. Growers were harvesting broccoli, carrots, celery, and spinach. Favorable markets increased harvesting of fall lettuce and cauliflower in Arizona's Yuma County. Most growers prepared fields for the subsequent vegetable crop after harvest was completed. Producers across the State were irrigating melon crops.

Wet weather delayed field preparation for vegetables in California, but harvesting continued on schedule. Planting of processing tomatoes neared completion in the desert area but was progressing slowly in other areas. Harvesting of broccoli and celery continued active. Lettuce harvesting was well along in the Imperial Valley, while cutting and spraying were just beginning in the Palo Verde Valley. Planting and harvesting of potatoes was active in the Perris-Hemet area. Growers in Idaho were sorting seed potatoes and beginning to ship seed to other States.

**PASTURES AND LIVESTOCK...**Pastures were rated fair to good across the South as warm temperatures and adequate moisture continued to promote growth of grasses. Pastures and range conditions improved in Texas, but producers continued to provide supplemental feed to livestock. The weather was favorable for calving and lambing across the Nation.

## 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:** Temperatures were mostly below the seasonal normals in the southern half of the State and above normal in the northern half. Rainfall totals were over 1.00 at all stations with some areas receiving almost 4.00 in.

**ARIZONA:** Sunny mild weather through midweek. Partly cloudy to cloudy skies, lower temperatures 24th through 26th with scattered rain, snow showers. Amounts moisture, traces to 0.25 in. Snow level 6500 to 7000 feet with 0.50 to 3.00 in. over parts Mogollon Rim, White Mountains. Average temperatures 1 to 4° above seasonal normals.

Planting States wheat, and barley mostly complete. Yuma County's small grains most advanced, earlier planted fields in jointing stage, later planted fields in boot, tillering stage. Stands established most fields remainder State, crop making mostly average progress. Alfalfa haying activities advanced slightly. First cutting taking place limited scale Yuma County. Limited cutting occurred central areas State. Volume harvesting first of April. Stem nematode problems beginning to appear alfalfa fields causing stems to enlarge, resulting plant inefficiencies. Spraying for blue aphids, Maricopa County. Safflower made average crop development. Growers preparing seedbeds, pre-irrigating, applying herbicides, insecticides for 1983 cotton crop. Graham County growers experiencing difficulty preparing ground because wet conditions. Limited planting Yuma County. Vegetable crops making satisfactory progress. Higher prices fall lettuce, cauliflower created increased harvest activity Yuma County. Appearance, quality cauliflower variable. As lettuce, cauliflower harvest completed, fields prepared for next crops. Mixed fall vegetables central Desert Valley areas picked on steady scale. Mixed vegetables not ready for harvest made satisfactory progress. Spring lettuce growth made good progress. Limited planting lettuce, onions Cochise County. Cantaloups, watermelons, honeydew melons irrigated Statewide, few plants emerging. Cantaloup germination slow Yuma County due to cool temperatures. Citrus activities throughout State slow. Valencia oranges-picked Yuma County on slightly increased scale. Valencias ready to be picked Maricopa County but low demand caused growers postpone picking activities. Tangerines, sweet oranges, lemons, grapefruit harvested limited scale, most harvest based on orders for particular fruit. Citrus groves remained good condition.

**ARKANSAS:** Warmer than normal temperatures with several areas receiving rainfall amounts near 1.00 in. Highest normal 51°, lowest 43°. Highest mean 51°, lowest 45°. Highest temperature 73°, lowest 17°. All departures from normal ranged from -2 to +3°. Most rainfall 1.83 in., least 0.06 in.

Little or no fieldwork last week -- ground too wet. Winter wheat much improved and gaining color. Nitrogen fertilizer applied in south. Pastures average to above. Fescue looked good. Cattle good condition. Some herds need lice treatment due to mild weather. Peach buds close to opening, but early date causing nervousness.

**CALIFORNIA:** A weak ridge of high pressure held off the storms through the 21st except along the north coast where some rain fell on the 21st. By 23rd, the ridge had collapsed as another storm system made its way to the coast as the strong jet stream aloft again steered the systems straight at State. By weeks end, another and stronger

system bringing very strong winds and cold air struck the State 25th with very heavy rains and high winds. Rainfall totals begin to approach record amounts for this date in many areas.

Field activity delayed by rain. Late blooming almond varieties affected by cool, wet weather. Pruning of grapes virtually complete, San Joaquin Valley. Kiwi vines pushing new growth. Apricots blooming, bud counts heavy. Buds swelling in cling peaches, some orchards blooming. Fungicides applied to control brown rot, herbicide spraying and weed chopping taking place in fruit orchards, weather permitting. Citrus harvest delayed. Heavy grade-out in San Joaquin Valley Navel oranges due to defects. Desert area grapefruit and lemon harvest continued, slow pace. Walnut trees pushing Catkin buds. Land preparations slowed due to excessive moisture. Wheat fertilized. Barley, wheat, oat fields Tulare County good growth. Desert late wheat being planted. First cuttings alfalfa hay Desert. Cotton growers apply herbicides to prepared seedbeds. Sugarbeet plantings good shape. Wet weather delaying field preparation planting vegetable crops. Harvest on schedule. Artichoke volume increasing. Asparagus harvest slowed by wet fields. Broccoli harvest increasing Central Coast, slowing San Joaquin Valley and Desert. Celery harvest active Southern California. Lettuce harvest well along Imperial Valley, cutting, spraying crop started Palo Verde Valley. Planting, harvesting potatoes Perris-Hemet. Normal shipment storage potatoes Tulelake-Butte Valley. Preparation sweetpotato hot beds continues. Planting processing tomatoes about complete Desert. Planting and field preparation behind schedule San Joaquin and Sacramento Valleys. Ranges, pastures low areas continue flooded northern, central districts. Sunny weather is needed improve grass strength. Supplemental feeding continues active most regions.

**COLORADO:** The first four days of this period were dry Statewide. On 25th, a weak cold front moved into the State and for the next three days rain or snow showers were fairly common in the mountains and western areas. Five to ten in. of new snow fell at some mountain locations, and 0.10 to 0.20 in. of new moisture was recorded at most lower elevation stations west of the Continental Divide. Little if any moisture was recorded in the east. Temperatures were mostly 5 to 8° above normal except in the Platte Basin where they averaged 3 to 5° below normal.

**FLORIDA:** A cool front with light rainfall 22nd and 23rd was followed by another front and strong Gulf low pressure area which brought cloudy, cool, wet conditions 26th, 27th. Heavy rains of 2.00 to 4.00 in. occurred over south, 27th with lesser amounts below 0.50 in., Panhandle, north. Easterly winds of 20 to 30 mph and higher gusts 26th and 27th. Temperatures averaged 2 to 4° below normal.

Soil moisture variable, surplus along the coasts and southern areas. Mostly adequate elsewhere. Fieldwork increasing, corn planting underway all areas. Tobacco plants growing well, transplanting about to begin. Wheat good condition north, suffering from excessive moisture, west. Sugarcane harvest slow due to wet conditions. Young cane fair to good condition. Pasture conditions poor to fair Statewide. Excessive rain has caused flooding in some low lying areas. Cattle in mostly poor to fair condition. Citrus grove condition excellent, near perfect weather.

Moisture adequate, a little rain most areas. Valencia oranges holding well, grapefruit harvest increasing, picking of Temples active. Improved weather with mild days, cool nights in vegetable areas. Skies clear to partly cloudy with little to no rainfall. Fieldwork active as fields dried out. However, additional rainfall, 27th will cause further delays. Water tables very high for February. Total shipments increased 11% from previous week. Supplies about steady snap beans, sweet corn, okra, peppers and tomatoes. Volume declined eggplant and squash. Harvest increased all other crops. Strawberry harvest increasing as later varieties come into production.

GEORGIA: Temperatures 4 to 7° above normal north and central, 1 to 3° elsewhere. Mild to warm days and cool to cold nights except mild with widespread showers and some thunderstorms early midweek. Midweek rainfall near 3.00 in. mid State and 2.00 in. northeast, otherwise 0.25 to 1.00 in. Spotty showers 24th averaged less than 0.25 in. Except for light rain southwest late 27th, weekend of 26th and 27th dry and quite cool. Despite slow warming trend, temperatures 6 to 12° below normal.

Soil moisture surplus. Land preparation and nitrogen topdressing of small grains delayed many areas. Small grains condition mostly fair to good. Tobacco plants good condition. Pastures good condition. Cattle and hogs condition good.

HAWAII: Warm, dry weather most of the week. Very dry condition continues to exist on Island of Hawaii. Farmers in Waimea still under restricted use of irrigation water. Cabbage and lettuce supplies expected heavy. Bananas and papayas light. Remaining vegetables light to moderate. Sugar and pineapple harvesting increasing.

IDAHO: A warm southwesterly flow of air from the Pacific Ocean prevailed over the State. Temperatures were generally 5 to 10° above normal across the State with the exception of the southeastern portion which was near or slightly above normal. A series of Pacific fronts moved across the region bringing light precipitation. Total amounts ranged from 0.10 to 0.50 in.

Soil testing was being done in parts of the State last week. Potatoes continue to move to markets. Potato seed sorting active with some seed being shipped out of State. Frost damage reported in seed storages at some sites. Calving and lambing continue with few weather related problems being reported. Cattle marketing reported in some areas. Feed supplies adequate. Although snowpack conditions deteriorated in January, water supplies should remain adequate unless the below normal precipitation trend continues.

ILLINOIS: Temperatures averaged 3 to 12° above normal with maximum readings in the 60's and 70's at the beginning of the week. Precipitation was light ranging from a trace to 0.12 in.

Livestock and winter wheat in mostly good condition.

INDIANA: Spring-like weather brought on a flurry of outside activities where soils were firm enough to support equipment. Activities included spreading fertilizer, hauling manure, tilling, ordering seed, readying equipment, mending fences, attending meetings, caring for livestock and usual chores.

IOWA: Temperatures averaged about 10° above normal with negligible precipitation. Snow cover nearly gone. Frost out of soils in southern areas and going out in northern counties.

KANSAS: Precipitation averaged less than 0.20 in. east, 0.50 in. to 0.75 in. west and central. Temperatures averaged 41 to 42° west and central, 43 to 44° east. These were 4 to 9° above normal.

Field conditions soft and muddy. Very little progress seedbed preparation or planting oats and barley. Fertilizer applied some areas. Wheat has minimal top growth, generally good condition. Mild temperatures caused greening up some warmer areas. Earlier cold and wet weather greatly reduced greenbug infestations in small grains. Feedlots and barnyards are muddy making animal care difficult. Mild temperatures and absence of storms favorable for calving and lambing.

KENTUCKY: Temperatures began quite warm, then cooled off during midweek and ended with readings well above normal. Highs averaged in 50's, lows in upper 20's and mid 30's. Precipitation slight as amounts ranged from less than 0.10 to 0.50 in. This precipitation was in form of snow over mountainous areas of southeast where 1 to 2 in. of snow on ground late in week. Only two tobacco markets still open.

LOUISIANA: Rainfall averaged 2 to 4 in. Temperatures 3 to 4° above normal north and 1 to 2° above south. Low 32°, high 76°.

Soil moisture surplus. Very little fieldwork. Days suitable 1.0. Spring plowing 9% 1983. Corn planting just getting underway - less than 1%. Strawberries blooming and setting fruit. Vegetables rated poor to fair. Spraying pepper beds. Transplanting cabbage. Pastures and wheat poor to fair condition; topdressing northeast. Livestock fair.

MARYLAND AND DELAWARE: The week was the second consecutive week with above normal temperatures. Temperatures in western Maryland averaged 6 to 7° above normal while elsewhere temperatures were 1 to 3° above normal. Maximum temperatures reached the mid 50's to low 60's. Lows averaged in the high teens to low 20's in western Maryland and the mid 20's elsewhere. Precipitation was mostly light. Totals were generally under 0.20 in. west of the Bay. Heaviest amounts fell on the southern Eastern Shore, which received as high as 1.52 in. in Georgetown. Saturday the 26th was mostly sunny and windy with high temperatures in the upper 30's to low 40's and lows in the mid 20's. Some light scattered precipitation was reported. Sunday the 27th was sunny, warmer and not as windy. High temperatures were in the upper 40's to low 50's and lows were in the low to mid 20's.

MICHIGAN: Well above normal temperatures accompanied by below normal precipitation made this a delightful week. Temperatures for most areas averaged 10° above normal. Precipitation was light, with no area reporting more than 0.30 in.

Farming activities were limited to normal winter chores and maintenance. However producers are tapping maple trees a month ahead of normal. Warm days and cool nights are needed for a good sap flow.

MINNESOTA: Temperatures averaged 5 to 9° above normal. Extremes were 53° at Redwood Falls and 2° at Grand Rapids. Precipitation averaged near normal northwest and north central and 0.10 to 0.19 in. below normal elsewhere. Precipitation totals averaged 0.10 to 0.17 in. northwest and less than 0.10 in. elsewhere. Snowfall around 1 in. extreme north central and northeast and a trace or less elsewhere. Snowdepth at week's end was a trace or less western half and 1 to 6 in. elsewhere except 7 to 14 in. northeast.

MISSISSIPPI: Below normal temperatures and continued wet conditions characterized the week's weather. Temperature readings ranged from only slightly below normal in the north to almost 5° below normal in the south. Most spots received measurable rain from 2 to 4 times during the week. The warmest temperature was 73° at Beaumont and Bay St. Louis on the 24th while the coldest was

22° at Iuka on the 26th. The greatest 24-hour rainfall amount was 1.51 in. at Natchez on the 21st.

Soil moisture surplus to adequate. Rain during week in addition to wet fields from earlier rains limited fieldwork to 2.0 days suitable. Care and feeding of livestock, attending farm meetings and nitrating of wheat and winter grazing crops were the main farm activities. Wheat condition fair to good. Livestock condition fair. Hay and roughage and feed grain supplies adequate.

MISSOURI: Precipitation was light, general amounts of 0.10 in. were recorded. Temperatures were 6 to 10° above normal.

Topsoil moisture supplies 24% surplus, 70% adequate and 6% short. Winter wheat 2% excellent, 39% good, 54% fair and 5% poor. Supply of hay and other roughages 29% surplus, 70% adequate and 1% short. Cattle losses 88% normal and 12% moderate; hog losses 86% normal and 14% moderate. General livestock condition 5% excellent, 73% good, 21% fair and 1% poor.

MONTANA: Warm weather continued throughout week. Temperatures 10 to 20° above normal. Highest 68° at Roundup, lowest 4° at Wisdom. Precipitation very light, confined to west and southwest.

Winter wheat condition fair to good. Snow cover protection -- none. Wind damage light. Livestock feed and stock water supplies adequate. Grazing open. Calving and lambing about 15% complete.

NEBRASKA: Scattered and light rainfall. Amounts mostly traces to 0.02 in. Temperatures 10 to 15° above normal.

Wheat good, green-up underway. Winterkill appears light. Snow cover virtually gone. Soil moisture adequate with many soils saturated in the east. Feedlots extremely muddy with gains slowed and some livestock losses. Early calving progressing favorably.

NEVADA: Mostly sunny skies and dry weather early in period. Storms brought precipitation to most areas last half of week. Weak cold front brought light rain south and east. Stronger storm front dropped heavy mountain snows west accompanied by gusty valley winds. Temperatures averaged well above normal for week. Extremes: 78 and 9°.

Winter grains mostly good condition with ample soil moisture supplies all areas. Mild weather stimulating some greening. Good progress calving and lambing.

NEW ENGLAND: Temperatures averaged near normal in northern Maine, 2 to 5° above normal elsewhere. A coastal storm hit the east half of New England 23rd bringing 8 in. of snow to Caribou, ME. Most precipitation occurred in eastern Maine, southeastern New Hampshire, eastern Massachusetts and Rhode Island.

NEW JERSEY: Temperatures slightly above normal, averaging 34° north, 37° south and 39° coastal areas. Extremes 15° at Newton and 58° at Glassboro, Toms River and Bridgeton. Precipitation below normal for north and south and near normal coastal areas averaging none north, 0.28 in. south and 0.73 in. coastal sections. The heaviest 24-hour total reported 0.62 in. on 23rd to 24th at Pomona.

Farmers caring for livestock and tending to normal winter chores.

NEW MEXICO: Temperatures warmer, some light precipitation.

Soil moisture adequate, snows melting in lowlands. Grains in good condition, grazing continues. Harvesting, pruning pecans, transplanting onions,

thinning spring lettuce. Irrigation picking up. Ranges fair, weeds beginning to green. Cattle in fair shape. Some sheep shearing, lambing.

NEW YORK: Quite dry, below normal precipitation of 0.25 in. or less. Above normal temperatures averaged from mid 20's in north to upper 30's in south.

NORTH CAROLINA: Temperatures near normal. Precipitation fairly uniform Statewide, average 1.00 in.

Soil moisture: 29% adequate and 71% surplus. Days suitable for fieldwork: 1.9. Conditions: Wheat, oats, barley and rye fair to mostly good. Tobacco plant beds: 5% poor, 45% fair and 50% good. Hay and roughage: 2% short, 93% adequate, and 5% surplus. Feed grains: 86% adequate and 14% surplus. Pasture conditions: 10% poor, 60% fair and 30% good. Major farm activities: Cutting firewood, preparing and seeding tobacco beds, machine maintenance, reviewing the PIK program, income tax returns, and topdressing small grains.

NORTH DAKOTA: Temperatures averaged much above normal. Averages ranged from 25° northeast to 37° northwest, which was 11 to 17° above normal. Precipitation was 0.02 in. above normal in the northeast quarter but the southwest averaged less than 0.01 in. Average amounts ranged from a trace to 0.01 in.

Mild weather continued. Conditions favorable for calving and lambing. Calving about 10%, lambing 15%. Cows and ewes in good to excellent condition. Snow cover virtually gone in most areas. Still a concern about possible winterkill to wheat and rye. Soil erosion is a continuing problem. Farmers busy evaluating farm programs, especially PIK, and trying to set plans for 1983 crops.

OHIO: Temperatures averaged well above seasonal levels. Temperature extremes wide. Readings 5 to 8° above normal west, north; south and east 2 to 4° above normal. Precipitation spotty late week. Northwest received little or no moisture. Most other sections averaged 0.03 to 0.08 in. Bare soil temperatures ranged from 33 to 35°. Temperatures under sod holding in upper 30s to near 40°.

Mild weather encouraged more fieldwork, including plowing.

OKLAHOMA: Temperatures ranged from 1° above normal Panhandle and south central to 5° above normal east central. Rainfall ranged from 0.12 in. Panhandle to 1.22 in. southeast.

Warm weather and adequate moisture improved wheat throughout State. Stands made excellent growth during week. Many cattlemen putting livestock on wheat pasture. Cattle continued in good condition.

OREGON: Rainfall amounts averaged 4.00 in. at coastal stations, 2.70 in. in the Willamette Valley, 2.30 in. in the Mountain and Plateau Region and less than 0.40 in. in the rest of the State. Temperatures averaged 7° above normal throughout the State.

Winter wheat condition very good. Wet fields holding up spraying. Pruning and dormant spray applications continue in orchards and berry fields. Pea planting to begin when fields dry. Livestock generally good condition. Range and pasture fair to good. Mild weather allowing some growth and less supplemental feeding in some areas.

PENNSYLVANIA: A very warm start followed by near normal temperatures caused the average to be 36° or 7° above normal. Greatest abnormalities were in the northwest. Precipitation was very light with an average of 0.07 in., 0.60 in. below normal. Around 0.33 in. fell in the southeast and

northwest corners. Everywhere else less than 0.10 in. Most of the Susquehanna Valley got a trace.

**PUERTO RICO:** Island average rainfall 0.45 in. or 0.19 in. below normal. Highest weekly total 2.28 in. Highest 24-hour total 1.23. Temperatures averaged about 78 to 76° on Coasts and 71 to 70° Interior Divisions. Mean station temperatures ranged from 79.5 to 62.6°. Extremes 92 and 52°.

**SOUTH CAROLINA:** Temperatures averaged above normal changing during second half to below usual. Moderate rainfall mostly early in period ranged from 1.50 in. in mountains to 0.50 in. or more in south.

Most croplands too wet to complete preparation for spring planting. Grain farmers hindered in fertilizer application. Needed chill-hours for peaches, apples now adequate. General farm chores.

**SOUTH DAKOTA:** Average temperatures ranged from 8 to 12° above normal in southeast, 12 to 18° above normal elsewhere. Extremes: 68 and 10°. Precipitation light -- mostly 0.05 to 0.15 in. Up to 0.26 in. in north central. Yearly precipitation near normal in southeast, 0.50 to 1.00 in. below normal elsewhere.

**TENNESSEE:** The week began with low pressure over Texas which moved through the Carolinas 23rd. Rain began 21st and ended 24th. Over 1.00 in. of rain fell 22nd and into evening. Elsewhere, rain totaled less than 1.00 in. Temperatures averaged above normal and ranged from 47° in the east to 50° in the west.

**TEXAS:** Temperatures close to normal over the State. Panhandle averaged 3° above normal. South Texas, Lower Valley averaged 3° below normal. Rainfall below normal for State except for Trans-Pecos region, southern tip of Texas.

**Crops:** State enjoyed generally favorable weather. Plains, warmer temperatures drying fields, land preparation for spring planting underway soon. Central Texas, land preparation proceeding on schedule. Lower Rio Grande Valley, most pre-plant activity complete planting of sorghum, corn underway. Sorghum planting underway portions of Rio Grande Valley, South Texas. Drier field conditions allowed land preparation to continue, corn planting underway. Fields drying rapidly under recent warm temperatures. Small grains continue to progress. Plains, moisture conditions excellent, wheat and oats responding to recent warming trend. Central, South Texas, small grain progress good. Disease, insect problems minimal. **Wheat** condition 77% of normal, 71% a year ago. At week's end, 8% excellent; 48% good; 40% fair; 4% poor. Sorghum planted all purposes 1%, 3% 1982, 2% average. Corn planted all purposes 1%, 2% 1982, 1% average.

**Commercial vegetables:** Lower Rio Grande Valley, harvest of carrots, broccoli, lettuce, celery continued. Spinach harvest underway. Watermelon planting continues. Harvest of citrus continues, harvest of Valencia oranges gaining momentum. San Antonio-Winter Garden areas, harvest of cabbage, carrots, lettuce, broccoli continued. Spinach harvest active. East Texas, spring planting underway. Wet fields delayed sweetpotato planting.

**Range and livestock:** Range, pasture conditions continued to improve. Growth of small grains provided some grazing. Native grasses developing well. Supplemental feeding continues. Livestock condition fair to good.

**UTAH:** Clear mild midweek. Precipitation much of the State, beginning and ending of week. Accumulations light to moderate. Temperatures averaged 4° above normal.

Early grasses and forage on lower elevations beginning to green up. Spring lambing and calving

in progress. Turkey placements continue. Some apples and potatoes still in storage.

**VIRGINIA:** Clear and cold early in period with warming trend and light rain and snow mid period followed by clear and cold again. Warm conditions prevailed with temperature departure averaging +5°. Average precipitation: 0.36 in.

Warm daytime temperatures and rainfall melted snow and added moisture to topsoil. Topsoil now rated 69% surplus, 31% adequate. Days suitable for fieldwork: 1.1. Muddy lots and remaining snow required continued feeding and care of livestock. Pastures continue to provide limited feed. Pastures muddy but rated in excellent condition. Winter grains and grazing crops also rated excellent. Interest in PIK program remains high, farmers continue inquiries. Farm record updating and tax preparation continue. Gathering firewood, pruning orchards and preparations for maple sirup collection continue. Some potatoes were planted on the eastern shore and farmers have topdressed small grain where fields were suitable. Preparation of tobacco plant beds continued and more were seeded during the week. Planning and purchasing of supplies continued and fence and equipment repair were active.

**WASHINGTON:** The weather pattern over the Pacific Northwest has been relatively constant. Precipitation was also above normal in most areas with almost all falling as rain.

**West:** Cloudy, mild conditions prevailed. Rain heavy at times. Raspberry fields being pruned, tied, and sprayed for weeds. Pea plants ahead of normal growth schedule. Lettuce seeded in early February and now coming up. Forced rhubarb harvest continues. Daffodil flower harvest in full operation and Christmas tree planting continues. Livestock remain in good condition and still on winter rations. Good grass growth in pastures due to warm temperature. Hay supplies are adequate, but short in Thurston County.

**East:** Field crops in above average condition. Rain slowed seeding of spring wheat and delayed fieldwork in some areas. Growers deciding on best choices under PIK programs. Orchard and vineyard pruning continues. Orchards being cleaned and sprayed in warmer areas. Walla Walla onions and spinach in good condition. Forsythia and apricots in bloom. Livestock in good condition. Ranges and pastures dormant. Hay prices high. Calving and lambing continues.

**WEST VIRGINIA:** Temperatures averaged 6° above normal. Low 13°, high 70°. Precipitation averaged below normal. Range none to 0.63 in.

Soil moisture adequate. Days worked averaged 3.1. Hay supplies adequate to short. Grain and other feed supplies adequate.

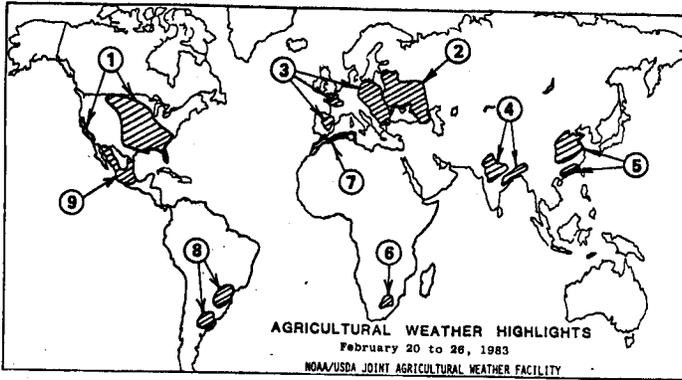
**WISCONSIN:** Very mild week with highs mainly in 40's capped off by high upper 40's to low 50's on 27th. On 27th, Iola recorded 57°, the warmest reading of the week. The lowest was 2° at Minong on early 25th. Occasional periods of light rain occurred in the northern and central sections early in the week. Light snows or flurries were noted over most areas during midweek with scattered 0.25 to 0.50 in. falls. Some heavier snow occurred in Lake Superior snow belt on 26th. Morse recorded a 3 in. snowfall.

**WYOMING:** Temperatures 4 to 13° above seasonal. Another dry week. All stations below normal precipitation.

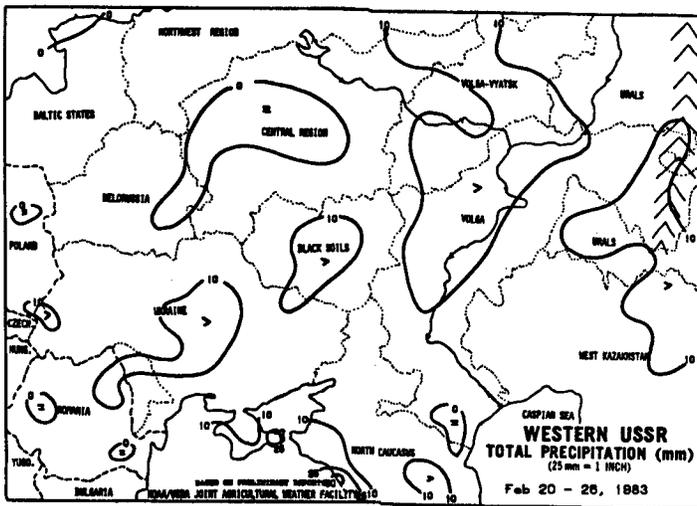
Winter wheat mostly good condition. Land preparation for spring planting underway scattered areas. Additional moisture needed most areas. Livestock good condition most areas. Early calving, lambing of farm flock underway.

**International Weather and Crop Summary**

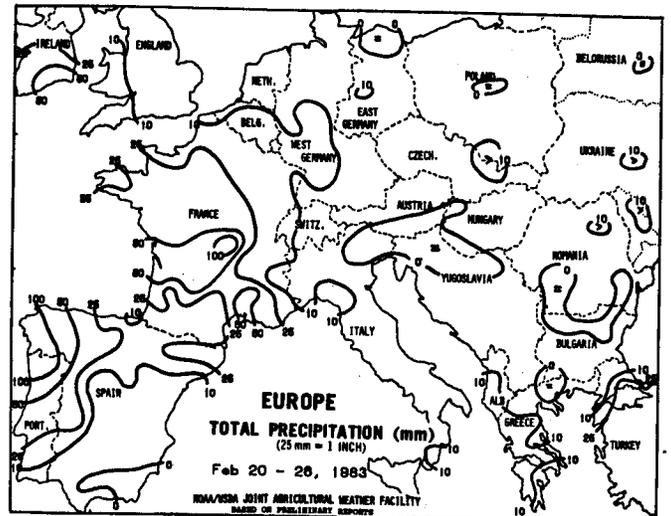
February 20 to 26



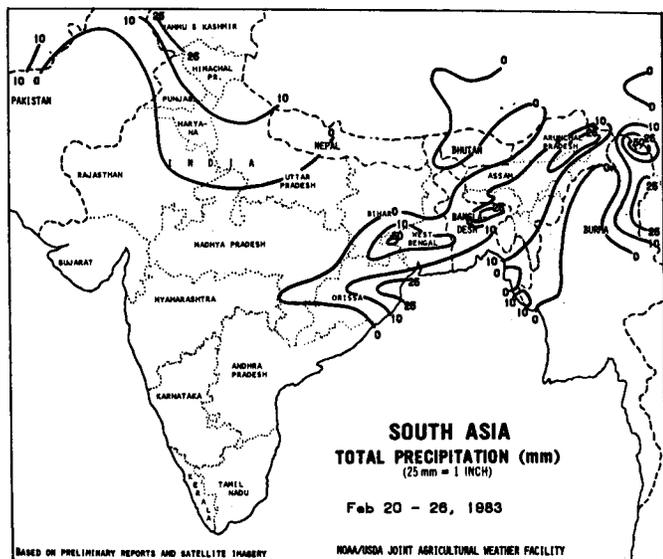
1. UNITED STATES ... Wetness continues to delay fieldwork across the South, while heavy rains and blustery winds hamper California vegetable plantings. Persistent unseasonable warmth greens wheat in the central Plains, causes the crop to lose some dormancy further north, and melts snow in most agricultural areas.
2. WESTERN USSR ... Light precipitation and cold temperatures cover most winter grain areas.
3. EUROPE ... Rain in the west benefits winter grains in France and northern Spain. Light precipitation accompanies cold weather in the east.
4. SOUTH ASIA ... Mostly dry weather covers winter grain areas. Showers benefit rice in the northeast.
5. EASTERN ASIA ... Dryness persists in dormant winter grain areas. Heavy rains continue in southern rice growing areas.
6. SOUTH AFRICA ... Persistent hot, dry weather throughout the Maize Triangle drastically reduces corn yield potential.
7. NORTHWESTERN AFRICA ... Dryness blankets winter grains in the vegetative stage.
8. SOUTH AMERICA ... Widespread rain in Brazil and Argentina generally aids crop development, but localized, excessive amounts likely cause some soybean pod shedding.
9. MEXICO ... Rains benefit citrus and early grains in the upper Northeast and soon-to-be planted corn fields in the southern Plateau. West coast dryness may limit some spring plantings.



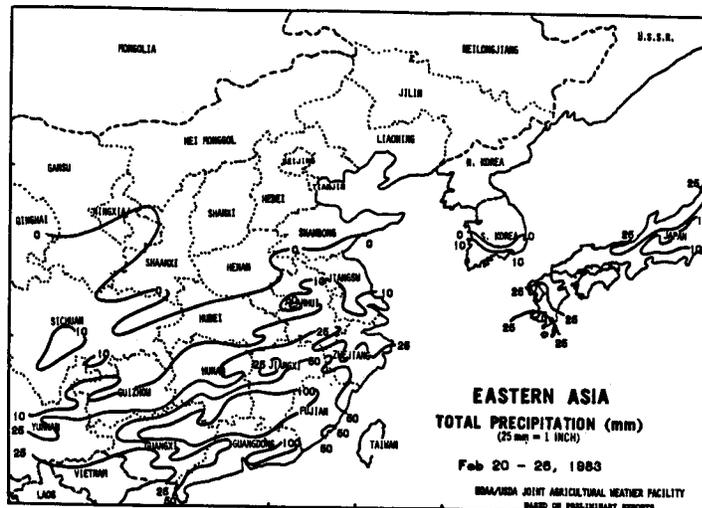
**WESTERN USSR...**Light precipitation covered most winter grain areas. Heaviest amounts of moisture, mainly snow, fell in a narrow band, stretching northeastward from the central Ukraine, through the central Black Soils, into portions of the Volga Valley and Volga Vyatsk. Precipitation, mainly rain, benefited crop areas adjacent to the Black Sea coast. Weekly temperatures were below normal in the west and above normal in the east. In addition, nighttime lows on some days in Belorussia, the Central Region, Black Soils, and the Ukraine dropped to around  $-15^{\circ}\text{C}$ . However, the low temperatures caused little, if any, winterkill due to an adequately protective snow cover and the short duration of the extremely cold weather. Winter grains in most areas remain highly vulnerable to winterkill.



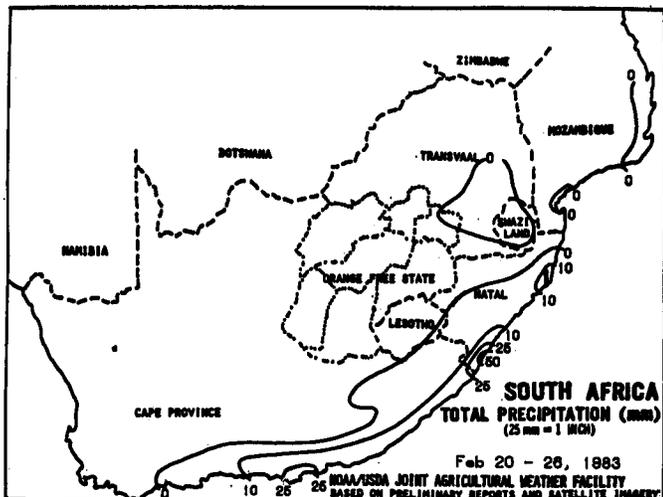
**EUROPE...**Rain covered the western half of Europe late in the week, while the eastern half received lighter amounts. In the Iberian peninsula, widespread rains in Portugal and northern Spain benefited winter wheat in the vegetative stage. Crop areas of central and southern Spain, however, received little, if any, rain. More rain is needed in all crop areas. Weekly temperatures in Spain rose to more seasonable levels this past week. In contrast, temperatures in the eastern half of Europe were below normal with nighttime lows on some days early in the week near  $-10^{\circ}\text{C}$ .



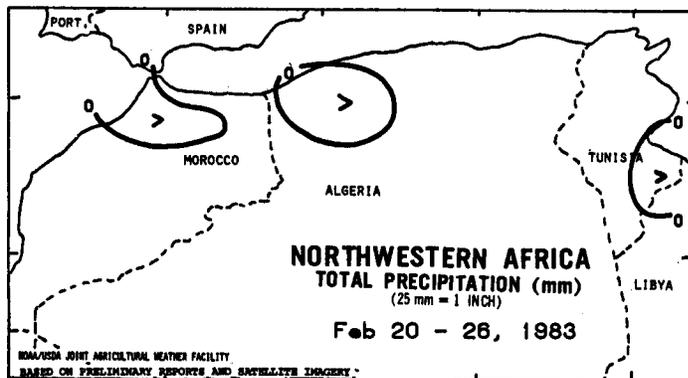
**SOUTH ASIA...**Generally light precipitation, if any, covered most winter grain areas. Normally, harvest activity is underway in Maharashtra with winter grains maturing in Rajasthan, Madhya Pradesh, southern Uttar Pradesh, and Bihar. Winter grains are still in the late heading or early filling stages in northern Uttar Pradesh, Haryana, and Punjab where most of the crop is irrigated. Widespread rains fell in a band, stretching northeastward from northern Orissa, through southern West Bengal and Bangladesh, into Assam. The precipitation benefited summer rice grown in these areas. Elsewhere, crop areas of south peninsular India and Burma continued dry.



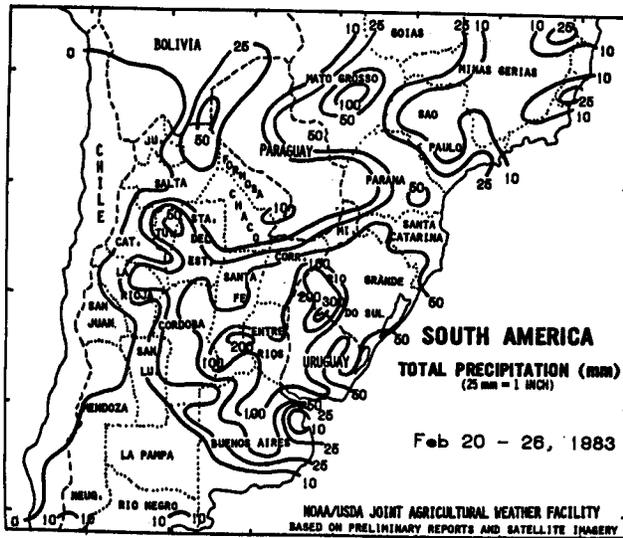
**EASTERN ASIA...**Light showers benefited minor winter grain areas adjacent to the Yangtze River. Major winter grain areas further north continued dry. Cold temperatures kept crops dormant in most areas except the south. Moderate to heavy rains continued over inland coastal areas of southern China. The excessive rains in these areas likely saturated fields, and local flooding is possible. Early rice planting normally begins in these areas in March. In South Korea, light showers fell on the south coast, but most of the region was dry. Cold temperatures kept crops dormant.



**SOUTH AFRICA...**The combined effect of persistently high temperatures and low rainfall has rapidly deteriorated the corn crop throughout much of the Maize Triangle. No rain fell during the week, and well-above average temperatures further exhausted the already limited soil moisture reserves. The extremely unfavorable growing conditions have severely stressed the corn as it advances through the grain-filling period. The areas most affected are southern and western portions of the Maize Triangle, but the entire crop is suffering. Crop yield potential has drastically declined in recent weeks, and prospects for drought-relieving rains become dimmer as the wet season draws closer to an end. Late season rains would provide too little moisture too late for significant recovery in yields of this year's corn crop.



**NORTHWESTERN AFRICA...**Dry weather covered the principal crop areas. Moisture supplies are adequate in Morocco and western Algeria. However, winter grain areas in eastern Algeria and Tunisia are becoming too dry. Precipitation has continued below normal for the past 5 weeks in Tunisia and 8 weeks in eastern Algeria. Winter grains in most areas are in the vegetative stage and normally enter the moisture-sensitive heading stage by late March. Therefore, generous rains in late March and April will be needed to ensure favorable yield prospects. Weekly temperatures were above normal in the west and below normal in the east.



**SOUTH AMERICA...** Widespread rains fell over the crops of Argentina and much of southern Brazil. Locally excessive rainfall inundated southwestern Rio Grande do Sul and western Uruguay for the second consecutive week and spread into corn/soybean areas of southern Santa Fe and northern Buenos Aires. In Brazil, the excessive rains fell mostly south of the soybean areas, but the wetness may have harmed some flowering soybeans. The soybean harvest in Parana progressed with only temporary interruptions from showers, while mostly dry weather covered coffee/citrus areas of Sao Paulo and Minas Gerais. The widespread rain in Argentina improved soil moisture supplies and prevented further crop damage, but the locally heavy rain, following the earlier dry spell, may have caused some pod shedding in soybeans. Cotton areas of northern Argentina were mostly dry, aiding the maturation process.

**MEXICO...** Moderate to heavy rains over the upper northeast benefited citrus and improved soil moisture in recently planted corn and grain sorghum fields. Much more rain is needed though for rain-fed citrus orchards which have suffered heavily from a drought beginning last summer. Rain also drenched parts of the southern Plateau, supplying moisture for strawberries and soon-to-be-planted corn fields. Most of the west coast was sunny and warm, favoring vegetable development and harvesting and planting of cotton and spring crops. However, unusual winter dryness may limit some spring plantings.

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

**SATURDAY ...** Rain, snow, and wind continued to buffet the west coast, with California receiving the brunt of the bad weather. Snow piled even higher over the Sierras and Cascades, but the central Plateau warmed a little and rain fell in the flat areas and snow in the Rockies. Showers were heavy in southern California and reached into Arizona and Mexico. Light showers continued along the gulf coast, up the Rio Grande Valley, and into the Texas Panhandle. Temperatures were warm over the High Plains and reached a high of 65° in southeastern Montana.



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### Crop Planting Prospects

CORN growers intend to plant 69.6 million acres in 1983, down 15 percent from last year's 81.9 million acres.

SOYBEAN prospective plantings, at 68.8 million acres, is down 5 percent from 1982.

SORGHUM intended for all purposes, at 13.1 million acres, is down 19 percent from a year earlier.

BARLEY intended acreage for 1983 is 9.68 million acres up less than one-half of 1 percent from 1982.

ALL COTTON prospective plantings total 9.28 million acres, down 19 percent from 1982, and down 35 percent from 1981.

DURUM WHEAT intentions point to 2.94 million acres to be seeded in 1983, down 32 percent from last year.

OTHER SPRING WHEAT acreage is expected to total 14.0 million acres, down 16 percent from 1982.

PEANUT producers intend to plant 1.31 million acres in 1983, 1 percent above 1982.

ALL TOBACCO growers intend to harvest 820 thousand acres the smallest acreage since 1889--9 percent below 1982.

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