

WEEKLY WEATHER AND CROP BULLETIN

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

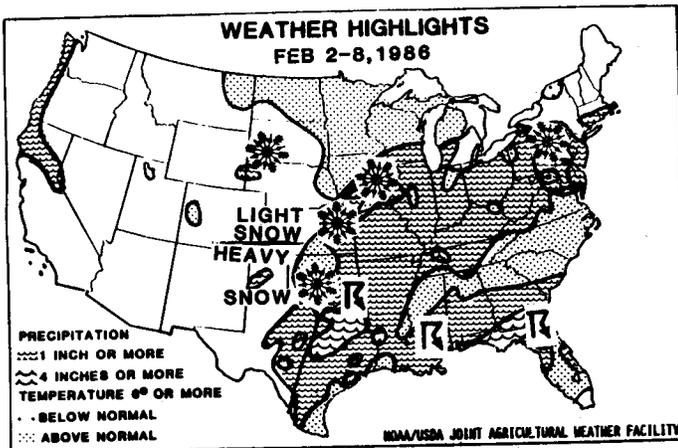
U.S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service
and World Agricultural Outlook Board

Volume 73, No. 6

WASHINGTON, D.C.

Feb. 11, 1986

February 2 to 8, 1986



HIGHLIGHTS: Rain fell through the central and southern Great Plains early in the week, but later, snow fell as far south as Oklahoma and much of western Texas. Showers and thunderstorms produced some heavy rain from eastern Texas across the South and northeastward to the lower Ohio Valley. Rain covered most of the West with snow confirmed to the high elevations early in the week, but later, as colder air covered the area, snow fell in nearly all areas except the coast. Snow was mixed with freezing rain across much of the lower Great Lakes States and parts of the mid-Atlantic States. Snow fell from the northern Plains through New England.

SUNDAY...A storm system in the West brought rain to much of the area west of the Rockies and snow at high elevations. Rain continued from eastern Kansas to the Tennessee and Ohio Valleys and spread across the Appalachians. Snow fell from the upper Ohio Valley through New England. Late in the day the rain spread through the central and southern Great Plains and was moderate to heavy from southern Missouri to the upper Tennessee Valley.

MONDAY...Rain or snow was more widespread through the West and spread through the Rockies onto the Plains. Light snow covered the northern Plains while rain fell in the central and southern Plains. Moderate to heavy rain fell from eastern Texas northeastward through the lower Missouri Valley, the Ohio Valley, and into Maryland. Light snow fell through the Great Lakes and into New York.

TUESDAY...Little rain fell in California, but the rest of the West and the Rockies had light snow or rain. Snow was mixed with freezing rain from parts of the northern Plains across the upper part of the lower Great Lakes States through Pennsylvania. Light to moderate rain fell in parts of the central

Plains while light amounts fell in the southern Plains. Some moderate to heavy rain fell from southern Louisiana to Alabama and northeastward into Pennsylvania. Light rain fell from the western parts of the Carolinas into Virginia and Maryland.

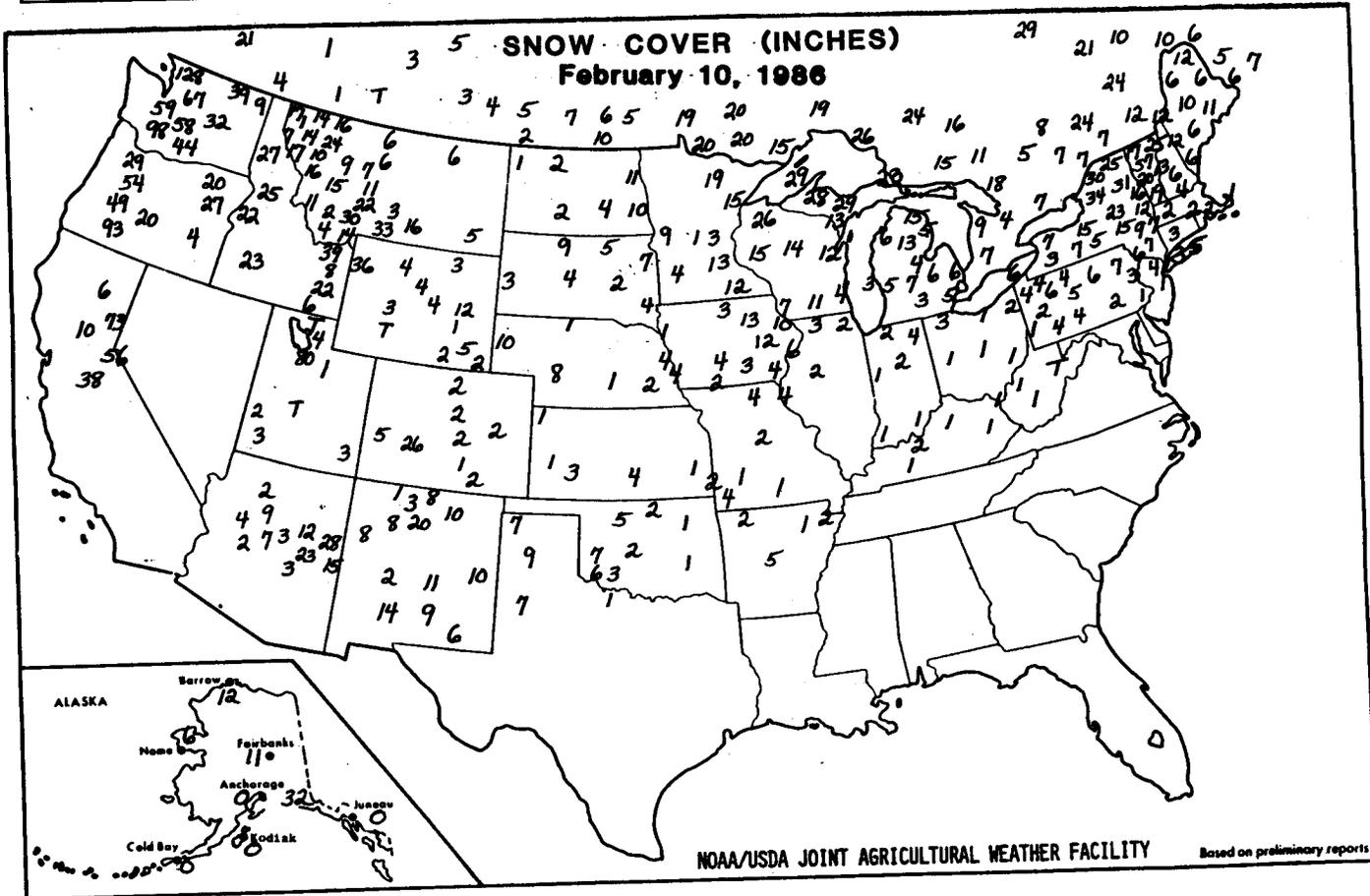
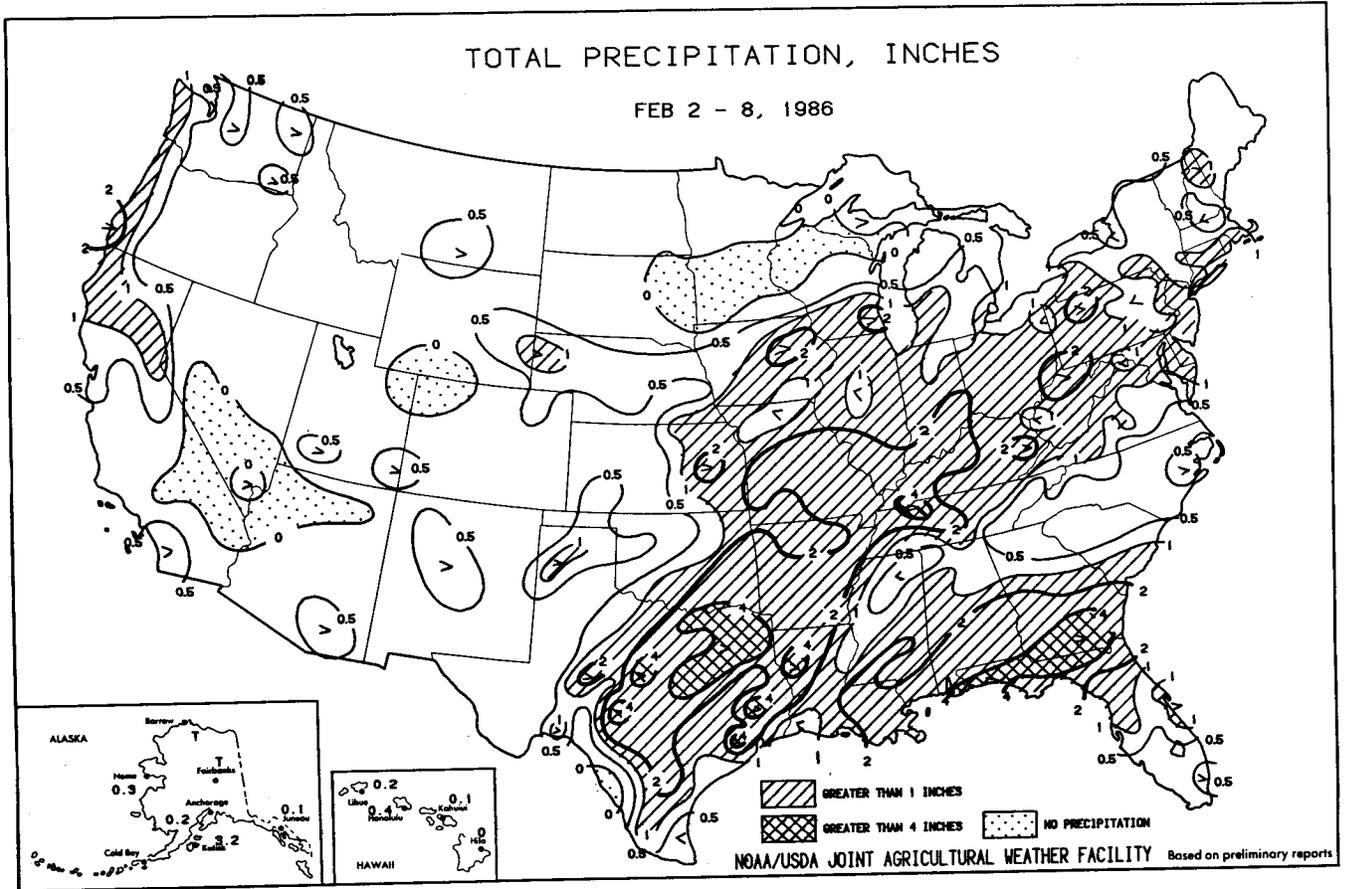
WEDNESDAY...Precipitation fell in nearly all of the Nation. Snow was more widespread in the West, the northern Plains, and in parts of the central Plains as colder air covered those areas. Snow fell through the Rockies and rain covered the southern Plains. Heavy rain or thunderstorms reached from eastern Oklahoma and northeastern Texas through Arkansas. Heavy showers also fell in the Southeast while lighter rain covered the East Coast States. Snow covered New England.

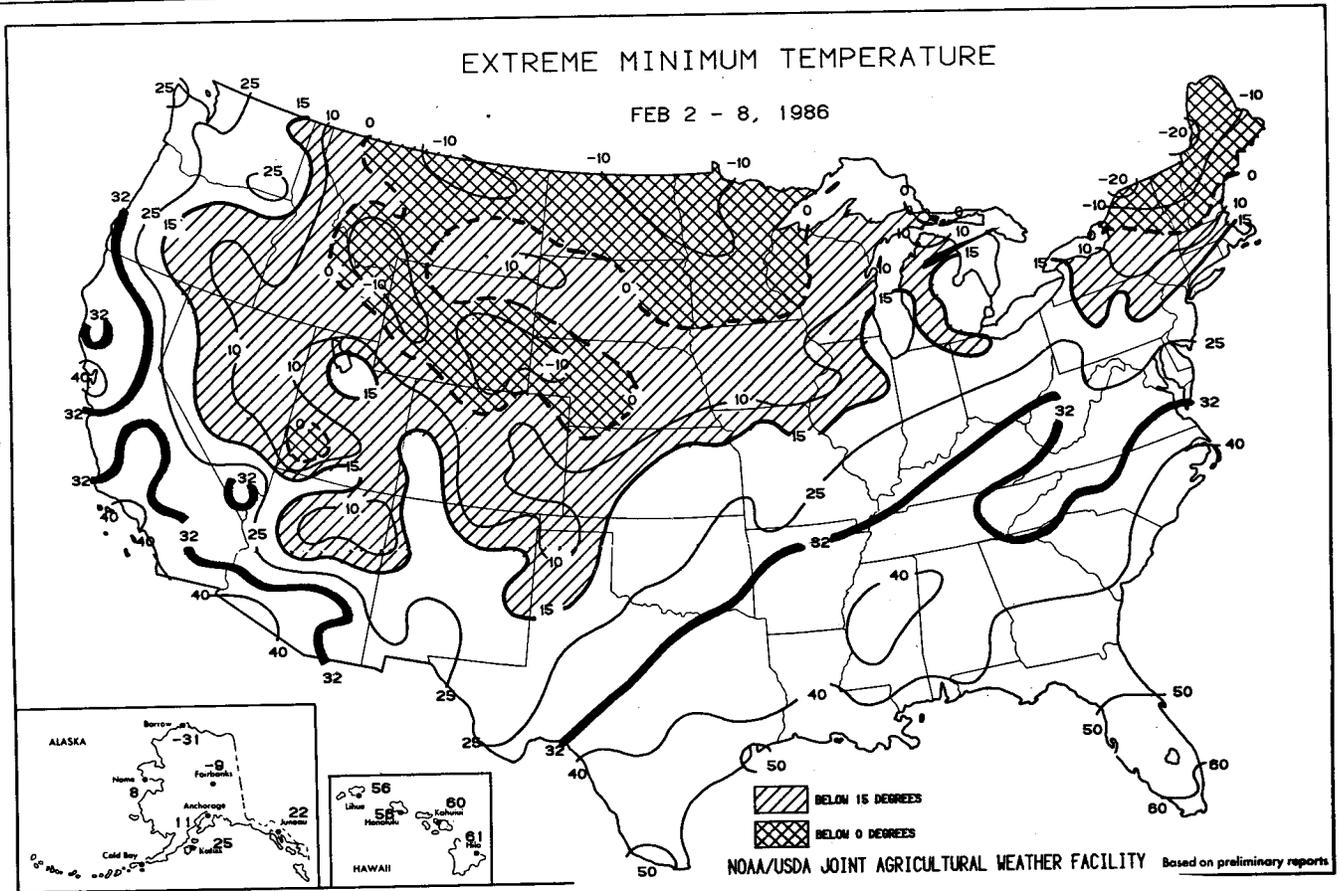
THURSDAY...Clearing began in the West, but snow fell in the central and southern Plateau and the Rockies. Colder air pushing further south brought snow to the Plains through Nebraska and into northwestern Kansas. Rain covered the rest of the central Plains. Snow fell in Iowa but was mixed with rain or freezing rain across the upper part of the lower Lakes States. Thunder showers continued in the Southeast and rain fell through the East Coast States into Pennsylvania where it became mixed with freezing rain. The rain changed to freezing rain or sleet north of northern Virginia and Maryland as the day ended.

FRIDAY...Rain fell in southern California and snow covered the Rockies. Colder air continued its push southward through the Plains and the Great Lakes, and snow fell from the northern Plains through Kansas and into the Texas Panhandle. Snow was very light in northern and western Kansas, but heavy snow accumulated in parts of the Texas Panhandle. Snow was mixed with freezing rain over

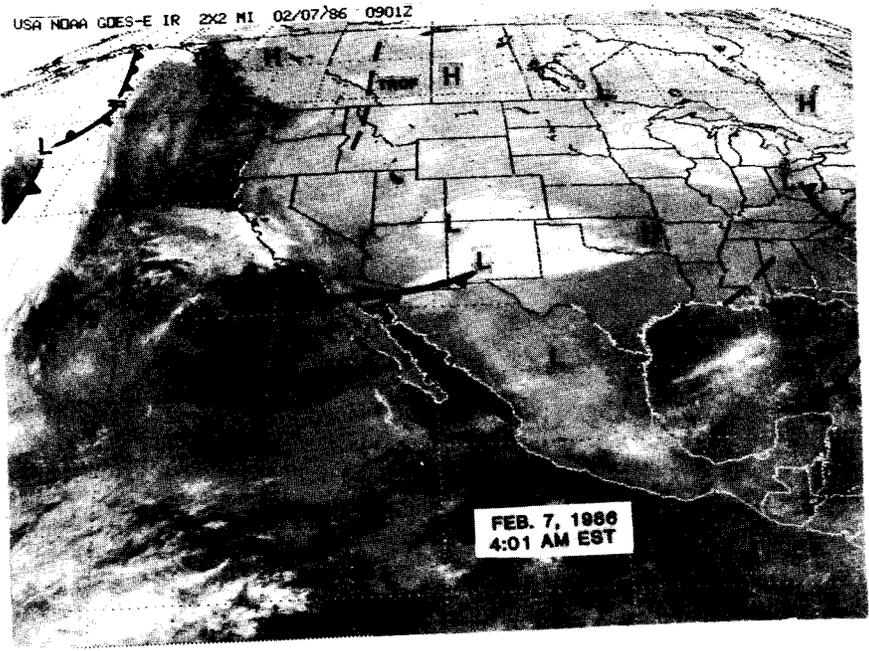
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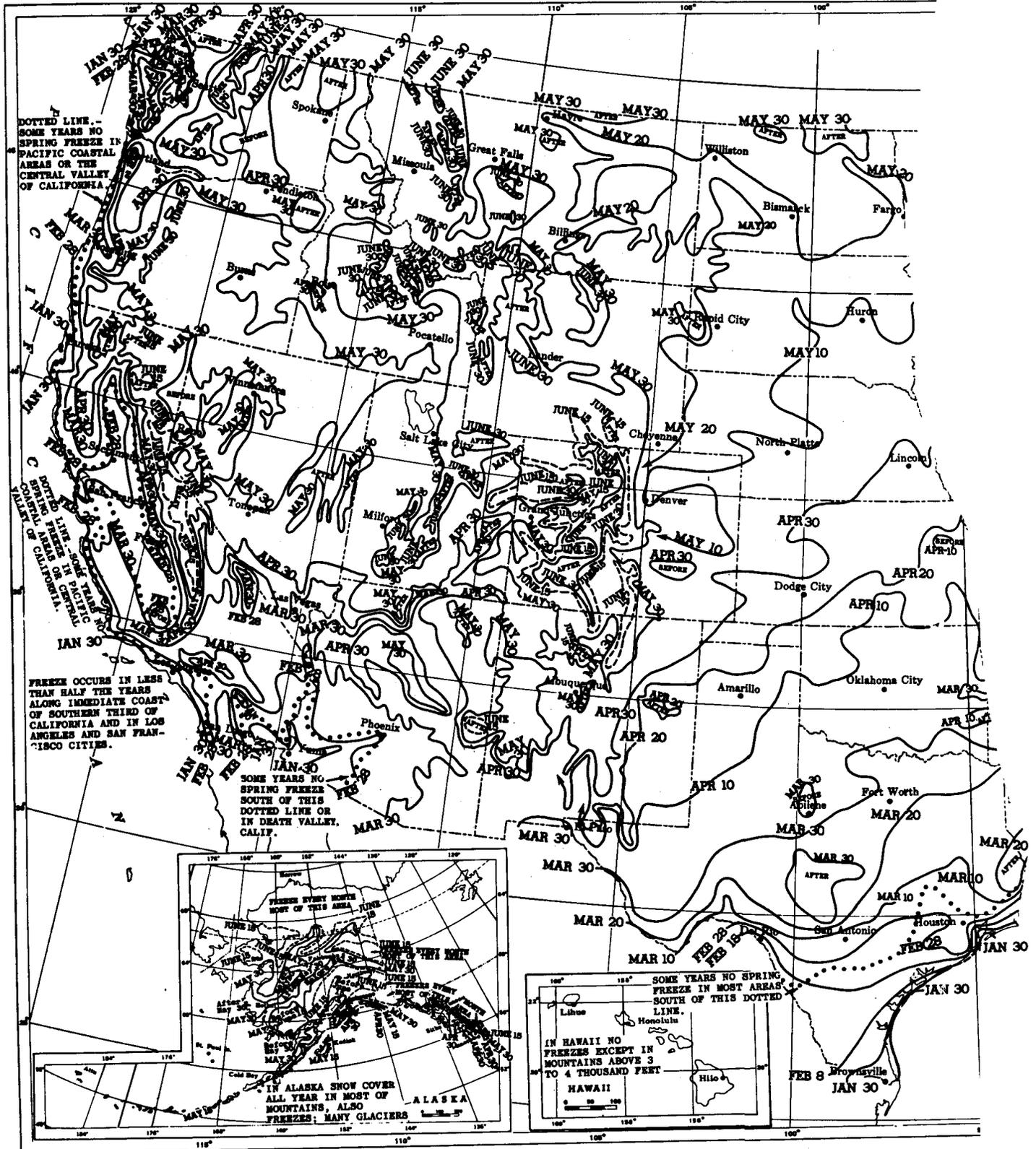
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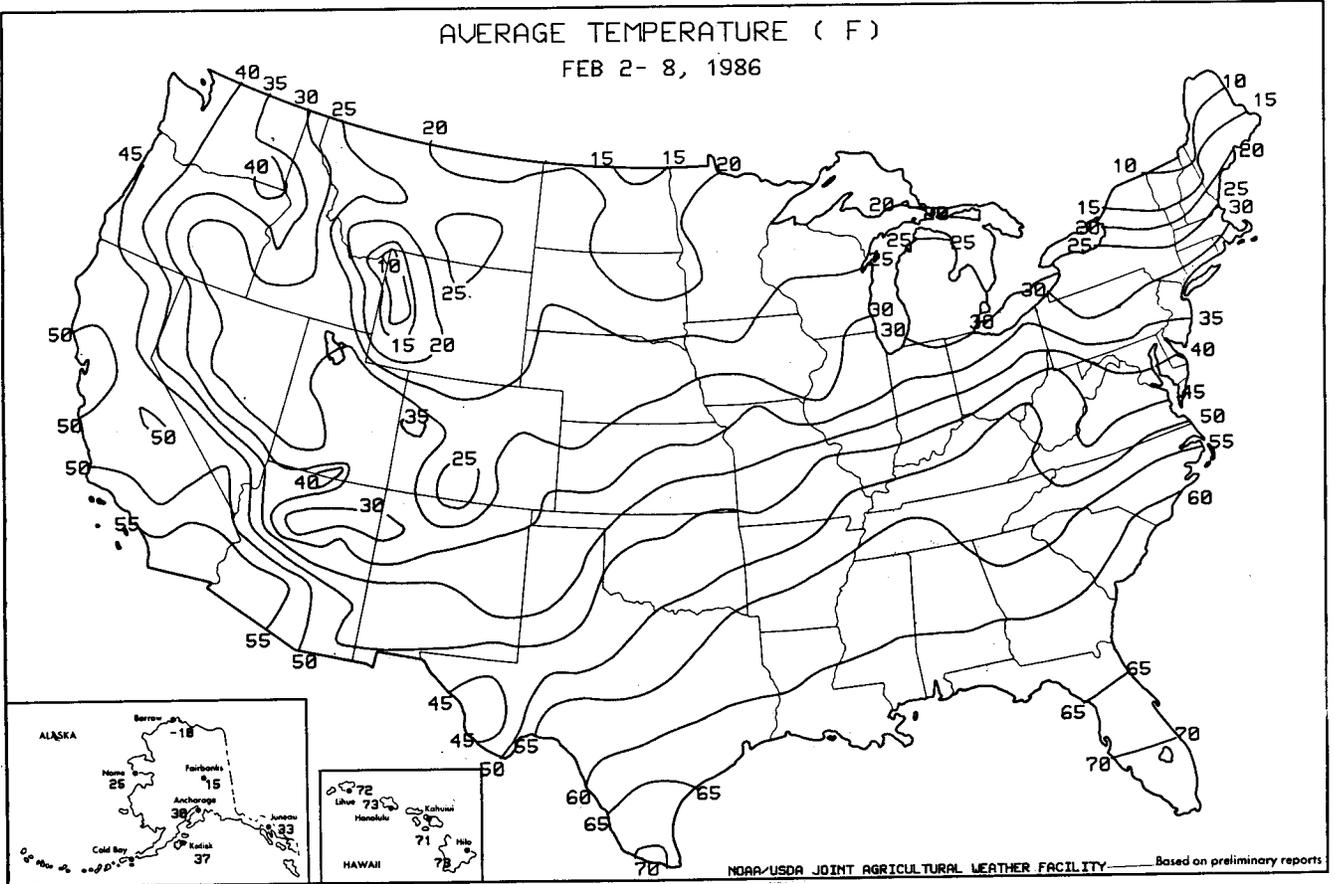


FEB. 7, 1986
4:01 AM EST

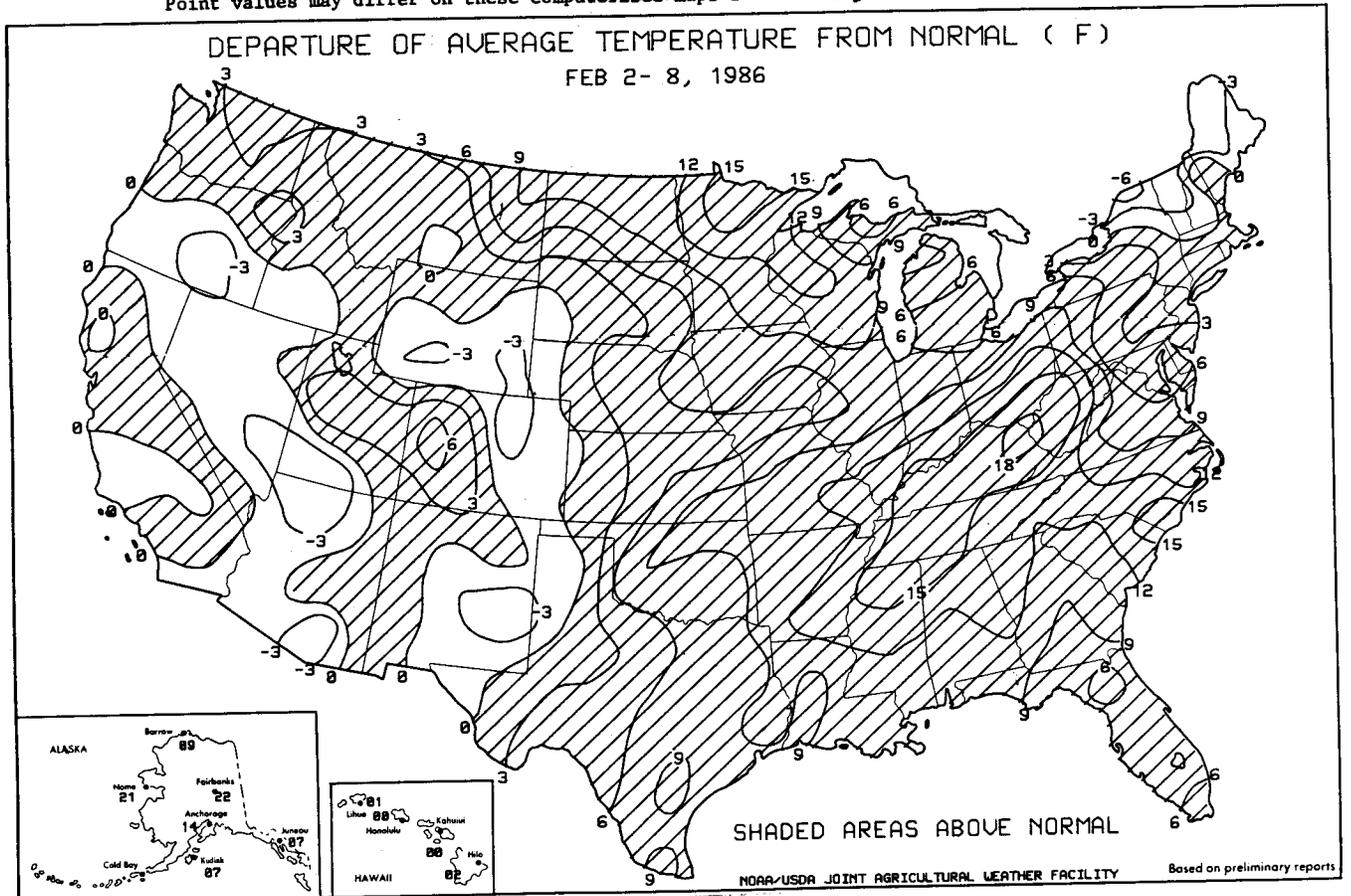
A STORM SYSTEM IN NEW MEXICO MOVES INTO COLD AIR MOVING SOUTHWARD THROUGH THE GREAT PLAINS AND TRIGGERS HEAVY SNOW IN THE SOUTHERN ROCKIES AND FROM THE TEXAS PANHANDLE TO SOUTHWESTERN KANSAS.

MEAN DATE OF LAST 32°F.





Point values may differ on these computerized maps from the reported values in the tables.



Weather Data for the Week Ending February 8, 1986

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec. 1	PCT. NORMAL SINCE Dec. 1	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
AL BIRMINGHAM	72	45	74	39	58	13	.8	-.3	.6	4.7	41	1.8	28	93	44	0	0	2	1
MOBILE	70	53	77	43	62	10	3.3	2.2	1.6	10.3	91	6.0	102	98	57	0	0	5	3
MONTGOMERY	71	46	77	35	59	11	2.7	1.7	1.4	8.6	85	3.9	72	97	49	0	0	3	2
AK ANCHORAGE	35	24	44	11	30	13	.2	0	.1	1.9	88	.4	40	90	60	0	0	7	3
BARROW	-2	-18	13	-31	-10	8	T	T	T	.4	74	.2	67	84	73	0	0	2	0
FAIRBANKS	27	4	39	-9	15	23	1	0	-.1	.2	16	.2	29	90	68	0	0	1	0
JUNEAU	38	28	42	22	33	7	.1	-.8	.1	17.2	183	8.0	170	97	64	0	5	3	2
KODIAK	42	33	43	25	37	8	3.2	1.5	2.1	33.2	200	14.4	140	97	73	0	3	7	0
NOME	30	20	35	8	25	21	.3	.2	.1	1.9	120	.6	60	92	67	0	0	3	0
AZ PHOENIX	63	46	71	37	55	0	.4	.3	.4	1.5	90	.7	78	78	33	0	0	1	0
PRESCOTT	48	25	57	12	36	-2	.4	0	.4	.6	14	.5	23	88	39	0	0	2	4
TUCSON	61	39	69	31	50	-3	.6	-.4	.3	2.0	104	1.9	190	96	35	0	0	4	0
YUMA	70	47	75	40	58	0	.4	.3	.4	.7	81	.4	80	97	25	0	0	1	0
AR FORT SMITH	56	44	72	32	50	10	3.4	2.8	1.3	4.0	74	3.6	144	98	70	0	0	6	4
LITTLE ROCK	58	48	70	33	53	12	2.5	1.6	1.2	6.2	72	3.1	66	91	71	0	0	2	2
GA BAKERSFIELD	57	40	65	34	48	-3	.1	-.2	.1	1.2	60	.9	69	97	58	0	0	2	2
EUREKA	54	42	56	35	48	0	1.5	.1	.8	11.8	79	9.0	105	83	60	0	0	3	2
FRESNO	58	43	63	34	51	2	.3	-.2	.2	3.1	74	2.4	92	90	55	0	0	2	0
LOS ANGELES	64	48	71	42	56	-1	.3	-.4	.2	3.0	55	2.6	67	89	43	0	0	2	2
RED BLUFF	58	40	61	35	49	0	1.1	.6	.7	8.7	94	6.3	113	84	40	0	0	2	2
SACRAMENTO	58	41	62	33	50	1	.5	-.4	.3	6.4	81	4.1	82	94	54	0	0	1	0
SAN DIEGO	62	51	64	46	57	-1	1.0	.6	.8	2.8	71	1.7	68	87	53	0	0	3	3
SAN FRANCISCO	58	47	60	40	52	2	.7	-.2	.4	6.4	69	4.8	84	88	53	0	0	3	1
CO DENVER	37	21	57	10	29	-3	.2	0	.1	1.0	87	.3	38	89	40	0	0	4	0
GRAND JUNCTION	44	26	56	17	35	4	.2	0	.2	1.0	72	.3	57	75	48	0	0	1	0
PUEBLO	44	19	65	13	31	-2	T	T	.6	87	.3	100	93	41	0	0	6	0	
CT BRIDGEPORT	36	26	49	15	31	2	.9	.2	.3	5.1	66	3.8	93	83	54	0	0	4	0
HARTFORD	33	20	44	12	27	1	.8	0	.4	7.7	89	6.4	145	92	54	0	0	4	1
DC WASHINGTON	46	33	68	25	40	4	1.1	.5	.5	4.2	63	3.5	100	97	74	0	0	6	3
FL APALACHICOLA	70	55	73	48	62	9	2.5	1.6	1.1	10.5	131	6.3	140	97	73	0	0	4	1
DAYTONA BEACH	77	55	84	48	66	8	.6	-.1	.6	9.8	182	7.8	244	100	58	0	0	2	3
JACKSONVILLE	75	52	82	44	63	9	3.5	2.7	1.7	11.3	171	7.7	193	98	54	0	0	3	2
KEY WEST	80	71	82	66	75	6	.1	-.4	.1	3.7	91	1.4	61	91	68	0	0	1	0
MIAMI	81	63	83	57	72	5	.8	-.3	.8	9.3	205	5.8	215	91	53	0	0	1	1
ORLANDO	78	57	83	53	68	7	.9	-.2	.9	11.5	247	8.0	286	100	56	0	0	1	1
TALLAHASSEE	74	46	76	41	60	8	4.4	3.2	1.6	14.3	135	7.1	118	100	57	0	0	4	3
TAMPA	78	60	80	53	69	9	.8	-.1	.7	4.1	82	3.0	103	97	61	0	0	2	1
WEST PALM BEACH	81	63	86	55	72	7	.1	-.6	.1	7.8	136	6.4	183	92	52	0	0	1	0
GA ATLANTA	68	46	73	38	57	14	.8	-.2	.3	4.0	39	1.7	28	92	45	0	0	3	0
AUGUSTA	70	44	77	36	57	11	.7	-.2	.6	3.9	46	2.2	43	99	50	0	0	2	1
MACON	70	46	76	39	58	10	2.0	2.0	1.6	6.7	70	3.7	67	99	52	0	0	2	1
SAVANNAH	71	51	79	44	61	11	2.8	2.3	1.6	6.8	101	4.8	120	98	54	0	0	3	0
HI HILO	83	64	84	61	73	2	T	T	7.3	28	8	.6	37	88	57	0	0	0	0
HONOLULU	83	63	85	56	73	0	.4	-.4	.4	.7	8	.6	13	91	53	0	0	1	0
KAHULUI	82	61	84	60	71	0	.1	-.8	.1	2.0	25	1.1	21	97	65	0	0	2	0
LIHUE	81	62	85	56	72	1	.2	-.8	.2	.9	7	.4	5	91	57	0	0	1	0
ID BOISE	42	27	54	14	34	1	.4	-.1	.3	2.6	78	1.4	70	97	61	0	0	5	0
LEWISTON	43	32	48	23	37	1	.2	-.1	.1	1.7	56	1.3	76	93	65	0	0	3	4
POCATELLO	34	21	49	2	28	0	.3	0	.2	2.6	110	1.4	100	97	61	0	0	4	0
IL CHICAGO	34	27	37	18	31	7	1.1	.8	.6	3.2	79	1.7	89	96	79	0	0	7	1
MOLINE	33	27	37	7	30	8	1.9	1.6	.8	4.6	117	2.3	115	93	83	0	0	5	0
PERIA	35	26	43	11	30	6	1.0	.7	.4	3.5	88	1.2	63	100	85	0	0	4	1
QUINCY	36	28	44	11	32	6	1.3	1.0	.5	3.8	112	1.4	82	98	84	0	0	4	5
ROCKFORD	33	27	36	14	30	10	1.4	1.1	.8	4.6	125	2.3	135	98	83	0	0	5	1
SPRINGFIELD	39	30	58	20	34	8	.8	-.4	.4	3.3	81	.9	45	97	80	0	0	4	0
IN EVANSVILLE	52	43	62	30	48	15	3.4	2.7	1.7	7.6	105	5.9	155	98	80	0	0	1	2
FORT WAYNE	37	27	54	18	32	8	1.6	1.1	.6	5.1	100	2.4	92	100	91	0	0	7	1
INDIANAPOLIS	43	33	58	24	38	11	1.7	1.1	.7	6.1	96	2.8	85	96	80	0	0	3	2
SOUTH BEND	33	27	40	20	30	6	1.0	.6	.8	5.0	83	2.4	80	97	81	0	0	7	4
IA DES MOINES	33	25	49	2	29	7	1.7	1.5	.9	3.2	137	1.9	146	92	76	0	0	5	1
SIoux CITY	32	23	49	5	28	8	.7	.5	.5	1.3	85	.8	100	95	72	0	0	5	0
WATERLOO	30	23	34	1	26	9	2.3	2.1	1.2	3.9	179	2.7	245	96	80	0	0	7	2
KS CONCORDIA	37	28	56	13	33	5	1.1	1.0	.6	1.6	106	1.1	138	96	75	0	0	5	2
DODGE CITY	40	30	55	15	35	2	.3	.2	.2	.4	39	.3	50	96	71	0	0	4	0
GOODLAND	37	20	62	1	29	-2	.2	.2	.2	.7	78	.2	40	93	68	0	0	6	2
TOPEKA	39	31	50	18	35	5	1.5	1.3	.8	2.2	92	1.5	136	95	82	0	0	3	4
WICHITA	46	34	63	19	40	7	.9	.7	.4	1.5	80	.9	113	95	72	0	0	3	1
KY BOWLING GREEN	58	45	67	33	52	16	1.9	1.0	1.2	4.6	45	2.9	51	99	64	0	0	1	7
LEXINGTON	55	43	67	32	49	16	1.5	.7	.6	3.3	40	2.1	47	96	74	0	0	1	2
LOUISVILLE	54	43	64	31	48	15	2.6	1.8	1.0	4.9	64	4.0	93	96	74	0	0	1	2
LA ALEXANDRIA	68	52	75	40	60	7	1.3	-.1	.9	8.9	79	3.2	52	88	62	0	0	3	1
BATON ROUGE	73	54	75	41	63	11	3.1	1.9	2.9	9.5	86	4.8	80	97	55	0	0	3	1
LAKE CHARLES	69	53	75	42	61	8	.8	-.2	.8	7.3	69	3.5	65	97	63	0	0	2	1
NEW ORLEANS	73	55	77	48	64	11	2.6	1.3	1.5	10.9	93	6.1	94	98	57	0	0	5	2

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

(Continued from p. 1)

parts of Virginia and Maryland, but moderate to heavy snow covered the area from Pennsylvania and New Jersey to southern New England. Rain fell from north-eastern Texas into Tennessee, along the eastern gulf coast, and in Florida.

SATURDAY...The cold air covered the Northwest, the Great Basin, and most of the Great Plains. Snow fell in the mountains of southern California, parts of the Southwest, and through the Plains to Oklahoma and western Texas. Light rain was mixed with snow in parts of the lower Ohio Valley and light snow fell in Pennsylvania and New York. Light showers covered eastern Texas and thunder storms covered most of Florida.

Weather Data for the Week Ending February 8, 1986

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC. 1	PCT. NORMAL SINCE DEC. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE		
SHREVEPORT	66	49	76	36	57	9	3.3	2.4	1.9	7.1	80	3.7	73	97	64	0	0	4	2		
ME CARIBOU	17	-3	25	-10	7	-4	.6	.1	.4	7.7	127	5.4	186	79	52	0	7	7	0		
PORTLAND	32	11	37	4	22	0	1.0	.1	.5	10.1	109	7.7	160	86	44	0	7	3			
MD BALTIMORE	45	31	65	23	38	5	1.3	.6	.8	4.3	59	3.4	89	95	70	0	4	5			
SALISBURY	49	35	62	29	42	7	1.5	.8	.7	7.3	91	6.4	149	100	80	0	2	2			
MA BOSTON	35	21	47	13	28	-1	.7	-.2	-.3	5.4	57	4.2	84	92	47	0	7	5			
CHATHAM	38	26	44	24	32	2	.8	-.2	.1	4.8	46	3.3	60	—	—	0	7	2			
MI ALPENA	29	22	32	12	25	8	1.1	-.2	.3	4.2	106	1.6	76	94	72	0	7	4			
DETROIT	32	26	37	19	29	5	1.2	.8	.8	4.3	89	2.8	122	89	71	0	7	4			
FLINT	30	24	34	18	27	5	.9	.6	.5	3.8	95	2.4	120	95	66	0	7	4			
GRAND RAPIDS	30	24	33	14	27	5	1.4	1.1	1.1	5.1	105	3.1	135	94	77	0	7	3			
HOUGHTON LAKE	27	22	32	15	25	8	.3	.2	.2	4.0	107	1.9	106	107	77	0	7	2			
LANSING	30	24	34	15	27	5	.9	.6	.6	7.0	142	3.0	120	96	75	0	7	3			
MARQUETTE	27	10	31	-5	19	6	T	-.4	T	T	T	T	79	91	69	0	7	2			
MUSKOGON	32	26	35	20	29	6	.9	.5	.9	5.3	97	2.3	70	86	56	0	7	2			
SAULT STE. MARIE	26	12	33	-2	19	6	.1	-.4	0	5.4	102	1.9	91	94	78	0	7	0			
MN ALEXANDRIA	27	14	34	-9	21	12	T	-.2	T	2.3	129	1.0	57	93	70	0	7	2			
DULUTH	25	17	31	-5	21	12	T	-.2	T	1.6	58	.8	73	94	73	0	7	3			
INT'L FALLS	25	17	33	-6	21	17	.1	-.1	0	1.2	60	.7	64	94	73	0	7	0			
MINNEAPOLIS	28	20	32	-1	24	10	T	-.2	T	2.2	114	.9	90	94	81	0	7	1			
ROCHESTER	28	20	32	2	24	10	T	-.1	T	1.8	104	.7	78	94	81	0	7	2			
MS GREENWOOD	67	52	75	11	60	14	.3	-.7	.2	5.1	43	1.2	19	91	59	0	0	1			
JACKSON	69	50	77	42	59	12	1.2	-.1	1.2	5.5	48	1.9	31	96	55	0	0	1			
MERIDIAN	72	46	76	34	59	12	1.6	-.6	1.6	7.2	60	2.8	45	98	47	0	1	2			
MO CAPE GIRARDEAU	55	45	65	30	50	—	2.6	1.9	.9	4.8	65	3.2	89	98	75	0	3	3			
COLUMBIA	45	34	65	20	39	9	3.1	2.7	1.4	6.8	172	3.5	175	98	83	0	3	6			
KANSAS CITY	38	31	54	15	35	5	1.0	.7	.6	2.2	82	1.0	71	98	78	0	3	3			
SAINT LOUIS	48	37	69	24	42	11	2.9	2.4	1.6	8.0	179	4.3	187	97	67	0	2	4			
SPRINGFIELD	48	40	67	24	44	10	1.5	1.0	.7	4.6	100	1.6	76	95	67	0	7	7			
MT BILLINGS	32	20	50	8	26	0	.8	.6	.5	1.4	67	1.2	100	91	68	0	7	4			
GLASGOW	27	12	35	-12	19	7	.1	0	.1	.9	93	.4	67	94	75	0	7	2			
GREAT FALLS	33	16	53	-3	24	0	.2	0	.2	1.2	61	.3	38	67	92	0	7	3			
HAVRE	26	11	38	-18	19	2	.1	-.1	0	.5	35	.8	67	92	61	0	7	3			
HELENA	33	18	44	3	26	3	.1	-.1	0	5.1	51	-.4	50	95	58	0	7	2			
KALISPELL	32	15	38	0	24	0	.3	0	.1	3.3	92	2.6	86	93	69	0	7	2			
MILES CITY	33	18	47	5	26	7	.1	-.1	.1	1.1	84	1.6	71	97	73	0	7	3			
MISSOULA	33	22	36	7	28	2	.3	.2	.2	1.6	55	1.2	71	94	75	0	7	5			
NE GRAND ISLAND	34	24	54	6	29	5	.4	.2	.1	.6	46	.4	57	94	75	0	7	5			
LINCOLN	36	25	58	8	30	7	.4	.2	.2	.7	48	.4	44	95	76	0	7	4			
NORFOLK	32	23	49	5	28	7	.9	.8	.7	1.5	111	1.0	143	95	76	0	7	4			
NORTH PLATTE	36	18	66	-5	29	3	.7	.8	.4	1.7	178	.9	180	95	71	0	7	4			
OMAHA	33	25	52	3	27	7	.9	.5	.3	1.1	64	.7	78	93	78	0	5	5			
SCOTTSDUFF	36	16	59	-11	26	-2	1.4	1.4	.7	2.6	256	1.5	300	95	58	0	4	4			
VALENTINE	34	19	51	2	26	-5	.4	.3	.4	.8	107	.5	125	86	68	0	7	2			
NV ELY	36	16	48	5	26	-1	.1	0	.1	1.0	63	.4	44	90	52	0	7	4			
LAS VEGAS	59	40	69	32	49	1	T	-.1	T	.3	29	.2	29	58	20	0	1	1			
RENO	43	26	49	19	35	-1	.2	-.1	.2	1.2	42	.6	38	83	37	0	6	1			
WINNEMUCA	41	23	49	14	32	-2	.7	-.1	.2	1.2	59	.3	27	88	43	0	7	2			
NH CONCORD	31	8	38	-4	19	-1	.7	.1	.3	7.4	107	5.7	163	85	41	0	5	3			
NJ ATLANTIC CITY	44	30	61	24	37	5	1.2	.4	.7	5.9	74	5.0	114	96	67	0	7	4			
NM ALBUQUERQUE	45	27	56	17	36	-2	.7	.6	.4	1.1	104	.9	180	84	39	0	6	3			
CLOVIS	47	26	65	11	37	-3	.7	.6	.5	.9	67	.7	100	96	60	0	5	3			
ROSWELL	51	29	68	18	40	-4	.1	0	0	.9	67	.8	267	91	45	0	5	5			
NY ALBANY	31	35	38	6	23	2	.6	.1	.4	6.4	106	4.3	143	93	55	0	7	5			
BINGHAMTON	29	20	36	9	25	4	1.2	.6	.6	6.1	100	3.9	122	92	67	0	7	5			
BUFFALO	32	23	40	15	28	5	1.1	.5	.6	8.8	123	3.9	105	96	72	0	7	5			
NEW YORK	39	28	48	20	33	1	.9	.2	.3	6.0	79	5.4	138	92	53	0	5	5			
ROCHESTER	32	22	40	13	27	4	.6	0	.3	4.6	83	2.6	90	95	73	0	7	4			
SYRACUSE	31	20	40	9	26	3	.3	-.1	.1	4.9	75	3.1	94	95	69	0	7	4			
NC ASHEVILLE	63	38	68	27	50	13	.4	-.3	.3	2.2	28	1.5	34	95	52	0	2	2			
CHARLOTTE	65	42	73	33	53	12	.3	-.3	.6	2.2	26	1.2	25	93	56	0	2	2			
GREENSBORO	59	40	70	30	50	11	.1	-.3	.6	2.8	35	1.3	29	99	62	0	1	0			
HATTERAS	62	51	68	42	56	12	.5	-.5	.5	6.4	62	5.8	98	95	72	0	0	1			
NEW BERN	67	46	77	40	56	12	.1	-.5	.1	4.4	50	3.9	76	98	60	0	0	0			
RALEIGH	62	43	73	35	52	12	.4	-.4	.2	3.7	48	2.9	64	99	66	0	0	1			
WILMINGTON	72	50	80	43	61	15	.2	-.7	.2	3.6	45	2.3	50	94	52	0	0	2			
ND BISMARCK	24	15	30	-4	19	9	T	-.1	T	T	T	T	129	94	79	0	7	2			
FARGO	24	15	30	-11	20	12	.1	-.1	.1	1.5	110	.9	67	96	82	0	7	1			
GRAND FORKS	22	12	29	-12	17	11	.1	-.1	.1	.9	87	.4	57	97	74	0	7	0			
WILLISTON	27	14	38	-7	20	9	.1	-.1	.1	1.1	87	.4	103	97	79	0	5	6			
OH AKRON-CANTON	43	30	55	23	36	11	1.6	1.1	1.1	6.0	104	3.2	79	97	79	0	2	6			
CINCINNATI	49	39	62	28	44	14	1.9	1.3	.7	4.5	67	3.0	79	97	81	0	6	5			
CLEVELAND	41	28	58	22	35	9	1.4	.9	1.0	6.3	109	3.7	119	98	81	0	6	6			
COLUMBUS	48	34	64	24	41	13	1.6	1.1	.7	5.2	86	3.3	97	96	76	0	2	6			

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending February 8, 1986

STATES AND STATIONS	TEMPERATURE °F					PRECIPITATION								RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec. 1	PCT. NORMAL SINCE Dec. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	52 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	45	32	59	21	38	11	1.9	1.4	.7	6.1	108	3.9	122	97	82	0	3	6	2
TOLEDO	32	25	36	14	29	5	.9	.5	.6	3.6	71	2.0	80	98	83	0	7	4	1
YOUNGSTOWN	42	28	55	22	35	11	1.0	.4	.7	4.1	68	2.1	64	97	76	0	6	4	1
OK OKLAHOMA CITY	51	41	71	24	46	8	.5	.2	.3	4.7	29	.5	38	93	65	0	3	4	0
TULSA	51	40	72	26	46	7	1.0	.6	.4	2.4	66	1.0	56	97	67	0	3	4	0
OR ASTORIA	50	37	54	28	43	0	1.0	-1.1	.4	15.0	59	12.4	91	95	64	0	3	4	0
BURNS	39	28	43	25	34	2	.2	.1	.1	1.8	117	1.1	157	61	54	0	3	4	0
MEDFORD	49	32	53	23	40	0	.4	-2.2	.2	3.3	44	2.5	44	97	54	0	3	3	0
FENDLETON	44	33	51	25	39	2	.2	-2.2	.1	3.1	83	1.8	86	96	62	0	3	4	0
PORTLAND	50	36	53	26	43	1	.5	-6.2	.2	7.4	53	5.2	70	96	60	0	4	4	0
SALEM	50	36	57	28	43	1	.6	-7.7	.3	9.4	60	6.9	81	94	61	0	4	5	0
PA ALLENTOWN	37	26	49	15	31	1	1.1	.4	.5	7.1	90	5.4	129	90	58	0	6	4	0
ERIE	38	27	55	22	32	4	1.1	.6	.8	6.5	103	3.7	119	94	76	0	7	4	1
HARRISBURG	37	27	47	19	32	2	1.1	.6	.7	4.8	69	3.5	95	85	59	0	4	6	1
PHILADELPHIA	41	28	56	22	35	3	1.5	.9	.8	6.6	90	5.7	146	94	67	0	4	4	2
PITTSBURGH	45	32	56	26	39	12	1.3	.3	.3	6.1	100	3.8	109	90	67	0	5	5	1
SCRANTON	34	25	39	14	29	4	.6	.1	.6	5.2	97	3.3	118	91	61	0	7	7	0
RI PROVIDENCE	36	23	50	16	29	1	1.2	.9	.3	8.7	91	7.3	143	92	50	0	3	5	1
SC CHARLESTON	69	44	77	34	57	11	1.7	.9	1.5	4.8	66	3.6	86	100	58	0	0	0	0
COLUMBIA	62	44	79	40	61	16	.3	.2	.2	2.2	24	1.3	24	94	48	0	0	2	0
FLORENCE	72	51	79	40	61	16	.3	.2	.2	2.1	29	1.2	27	94	50	0	0	1	0
GREENVILLE	66	44	74	34	55	13	.2	.8	.2	2.8	30	1.3	24	91	52	0	0	0	0
SD ABERDEEN	23	14	30	-7	19	7	T	T	T	1.0	88	.4	57	96	86	0	7	0	0
HURON	26	14	32	-7	20	5	T	T	T	1.1	95	.4	67	92	77	0	7	0	0
RAPID CITY	28	17	44	2	23	-1	.3	.2	.2	1.6	154	.8	133	95	80	0	7	0	0
SIoux FALLS	27	17	32	0	22	6	T	T	T	1.2	83	.7	100	97	45	0	3	0	0
TN CHATTANOOGA	68	41	74	37	54	14	.4	.1	.1	3.6	31	1.2	18	98	47	0	2	3	0
KNOXVILLE	62	39	73	30	53	13	.3	.7	.2	3.6	35	1.3	22	98	45	0	0	3	0
MEMPHIS	66	51	73	37	57	15	1.5	.5	.9	5.3	50	2.1	36	95	61	0	0	3	2
NASHVILLE	62	48	74	37	55	16	2.0	1.0	1.6	3.1	30	2.2	39	94	55	0	0	5	1
TX ABILENE	56	42	69	28	49	3	1.5	1.2	.7	1.5	72	1.5	115	92	60	0	2	3	2
AMARILLO	45	27	64	10	36	-1	.8	.6	.7	1.0	94	.8	133	98	62	0	5	0	1
AUSTIN	66	51	78	38	59	7	1.0	.4	1.0	2.5	59	1.5	65	96	63	0	0	2	1
BEAUMONT	71	55	79	45	63	10	.9	.1	.9	5.5	56	2.7	51	95	61	0	0	0	0
BROWNSVILLE	80	59	88	48	69	8	.1	.3	.1	1.6	55	1.2	71	98	55	0	0	2	0
CORPUS CHRISTI	74	55	78	45	65	7	1.0	.6	1.0	4.3	124	2.7	129	99	62	0	0	1	0
DEL RIO	68	50	76	40	59	5	.2	.2	.2	1.8	135	1.7	213	82	40	0	0	1	0
EL PASO	56	37	66	30	46	0	.2	.1	.2	2.2	26	.2	40	83	33	0	1	2	2
FORT WORTH	57	47	75	33	52	6	2.3	1.9	1.2	2.9	76	2.3	105	94	65	0	0	0	2
GALVESTON	67	56	71	51	61	7	1.0	.4	1.0	4.9	67	2.4	65	94	71	0	0	1	1
HOUSTON	70	54	77	44	62	9	2.0	1.1	1.3	6.6	84	2.7	80	97	59	0	3	3	0
LUBBOCK	50	32	68	16	41	1	.4	.3	.3	.6	61	.4	80	93	37	0	0	2	0
MIDLAND	60	37	70	25	48	3	.2	.1	.1	.4	42	.4	67	96	49	0	1	4	1
SAN ANGELO	63	42	73	30	52	5	.6	.4	.3	.9	60	.9	100	96	57	0	0	2	0
SAN ANTONIO	68	50	76	39	59	7	2.5	2.0	2.4	3.3	95	3.2	152	89	57	0	0	2	1
VICTORIA	72	54	79	45	63	8	.6	.1	.6	4.1	89	1.8	72	97	60	0	0	1	1
WACO	61	49	75	35	55	7	4.3	3.8	4.0	6.4	153	4.4	191	96	69	0	2	4	1
WICHITA FALLS	54	41	73	27	48	5	1.0	.8	.8	1.1	46	1.0	83	90	61	0	5	2	0
UT BLANDING	42	21	53	12	32	1	.6	.3	.5	.8	28	.8	47	88	53	0	7	0	0
CEDAR CITY	40	16	53	-4	28	-5	.6	.4	.6	1.1	71	.7	88	94	47	0	2	2	1
SALT LAKE CITY	40	27	52	22	34	2	.4	.1	.3	2.8	90	1.3	76	92	47	0	7	3	0
VT BURLINGTON	25	0	37	-14	12	-4	.5	.1	.2	6.2	130	4.6	200	89	54	0	0	4	0
VA NORFOLK	55	40	70	34	47	7	.2	.7	.1	3.5	44	2.6	55	96	73	0	0	4	0
RICHMOND	50	37	64	30	44	7	.7	.1	.4	4.0	53	3.4	83	97	72	0	0	3	0
ROANOKE	52	36	66	31	44	8	1.1	.3	.6	2.9	43	2.0	54	95	67	0	2	4	0
WA COLVILLE	38	26	42	14	32	3	.5	.1	.3	4.4	85	3.7	137	96	83	0	5	3	1
QUILLAYUTE	50	32	54	23	41	0	1.8	-1.4	.8	22.2	63	18.6	99	100	70	0	3	4	1
SEATTLE-TACOMA	49	38	54	30	44	2	.9	.3	.5	11.3	82	9.5	128	90	61	0	0	3	0
SPOKANE	35	26	38	18	31	1	.5	.1	.2	4.4	80	3.7	123	99	78	0	5	4	0
YAKIMA	44	28	49	18	36	3	.2	.1	.1	3.0	100	2.0	118	95	58	0	0	3	0
WV BECKLEY	52	41	62	32	47	16	1.1	.4	.5	4.4	58	2.7	63	97	62	0	1	6	0
CHARLESTON	58	46	70	36	52	19	1.1	.3	.5	5.9	77	3.2	73	93	63	0	0	5	0
HUNTINGTON	57	46	69	34	51	18	.9	.3	.4	4.3	61	2.3	58	93	58	0	0	5	1
PARKERSBURG	52	40	68	31	46	15	2.0	1.2	1.1	5.1	70	3.3	72	98	70	0	0	0	0
WI GREEN BAY	30	20	33	7	25	10	.1	-1.1	.1	2.6	89	.7	47	95	76	0	7	1	0
LA CROSSE	31	23	36	6	27	10	T	T	T	1.8	80	.7	58	87	72	0	7	1	1
MADISON	30	25	33	14	28	10	1.7	1.5	1.5	5.1	177	2.7	193	99	89	0	7	2	2
MILWAUKEE	32	28	35	24	30	9	2.1	1.8	1.3	6.0	151	3.5	175	93	77	0	7	1	0
WAUSAU	30	19	34	4	25	12	T	T	T	1.9	78	.7	58	90	70	0	7	5	0
WY CASPER	30	15	49	-8	23	-2	.6	.5	.2	2.0	172	1.0	143	93	64	0	7	3	0
CHEYENNE	31	17	54	0	24	-2	.2	.2	.2	1.2	137	.4	80	89	58	0	7	3	0
LANDER	28	13	41	-9	21	-3	.3	.2	.2	2.3	195	.6	100	94	65	0	7	2	0
SHERIDAN	31	16	50	2	23	0	.3	.3	.3	1.0	65	.7	78	93	70	0	7	2	0
PR SAN JUAN	82	69	83	66	75	-1	.1	.1	.1	4.3	54	2.3	64	91	60	0	0	0	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

HEATING DEGREE DAY DATA WEEKLY SUMMARY
CLIMATE ANALYSIS CENTER-MN-NDS-NDAA
ASSESSMENT AND INFORMATION SERVICES CENTER-NEDSIS-NDAA

LAST DATE OF DATA COLLECTION PERIOD IS 2-8-1986
ACCUMULATIONS ARE FROM JULY 1
** = NORMAL LESS THAN 100 OR JULY INCALCULABLE

Table with columns: STATE CITY, CALL WEEK TOTAL, WEEK DEV FROM NORM, WEEK DEV FROM L YR, CUM TOTAL, CUM DEV FROM NORM, CUM DEV FROM L YR, CUM DEV FROM L YR, CUM DEV FROM L YR, CUM DEV FROM L YR. Rows list various states and cities with their corresponding weather data.

January Weather and Crop Summary

HIGHLIGHTS: January was warmer than normal over much of the Nation. Record warm temperatures occurred along the eastern edge of the Rockies and throughout the Southwest. Much of the interior of the United States was dry. Stations in the central and southern Great Plains across to the southern Appalachians reported the lowest amount of precipitation ever recorded. A blast of cold air pushed through the upper Mississippi Valley and covered the entire eastern half of the country at the end of the month. Freezing temperatures reached into the eastern Gulf of Mexico and as far south as the Lake Okeechobee area in Florida.

During the first 4 days of the month, heavy snow fell from New York to New England and rain fell throughout the Southeast with thunderstorms producing some heavy amounts along the gulf coast. Rain was moderate to heavy along the Pacific coast and snow fell east of the Cascades.

FIRST WEEK...Mild weather covered most of the Nation at week's end. Temperatures soared into the forties in the northern Plains and upper Mississippi Valley. Earlier in the week heavy snow moved through the Northeast while the Great Lakes region had gusty winds and snow showers. Snow fell in parts of southwestern Texas and a gulf storm caused moderate to heavy rains from Louisiana to central Florida. A Pacific storm brought moderate rain to the Northwest coast.

SECOND WEEK...Unseasonable warm temperatures prevailed over virtually the entire country at the end of the week. An intense low-pressure system was responsible for snow, blustery winds, and very cold temperatures early in the week from the upper Mississippi Valley to New England. Several strong Pacific storms kept the Northwest wet and windy. Later in the week, howling winds blew over the northern and central Rockies, and a frontal system caused scattered rain and thunderstorms from the gulf coast to the lower Great Lakes.

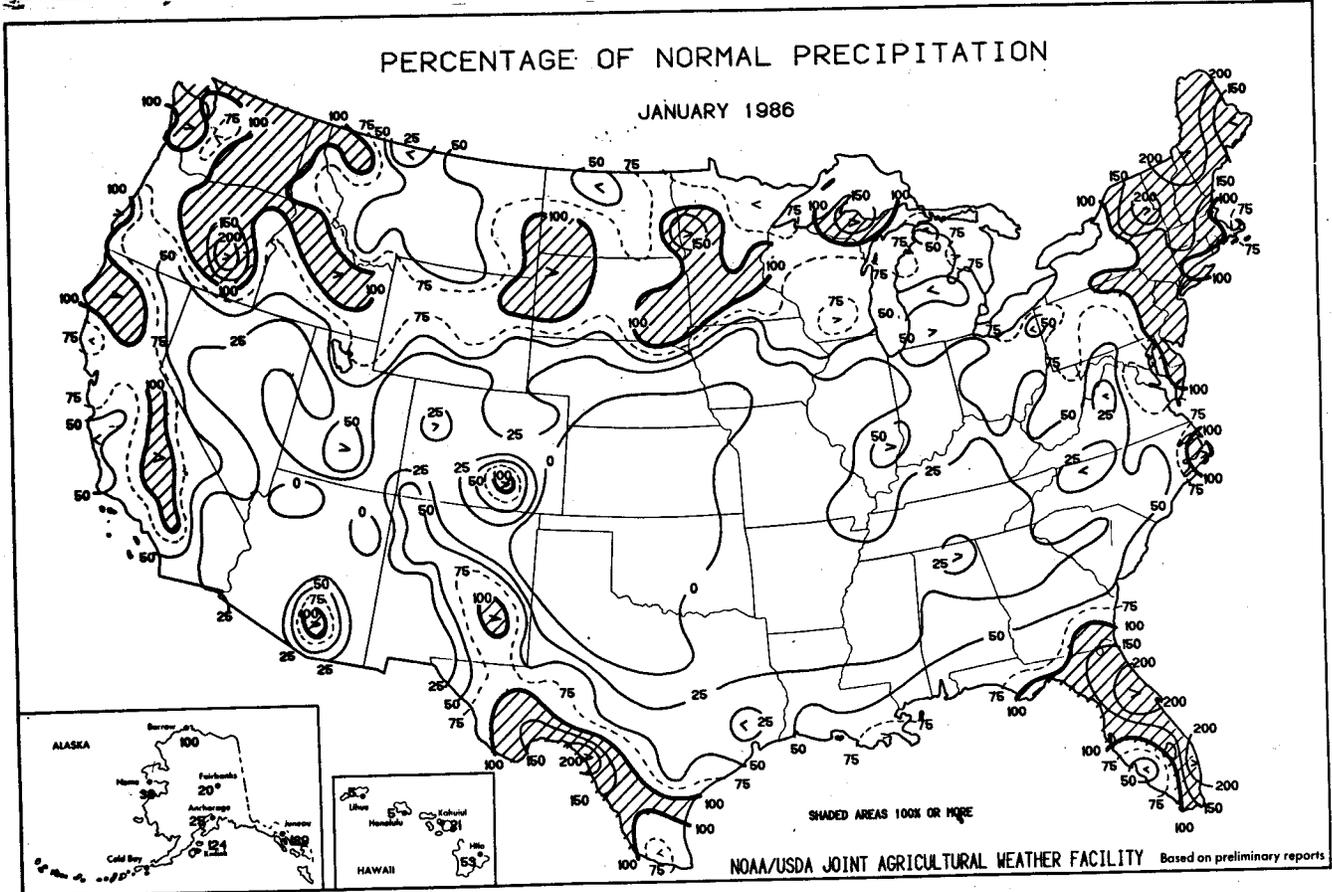
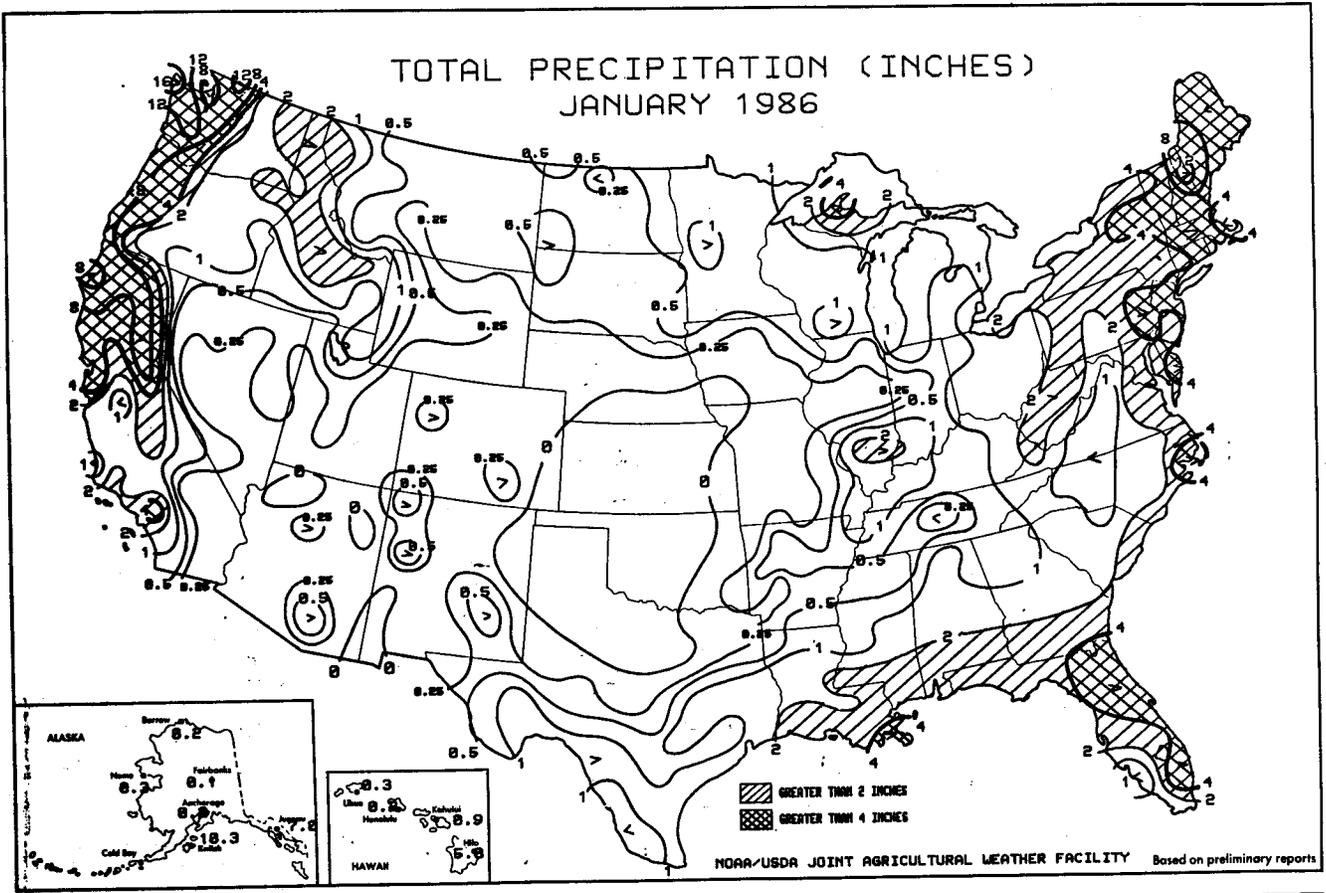
THIRD WEEK...Unseasonable warm temperatures remained through the Plains early in the week.

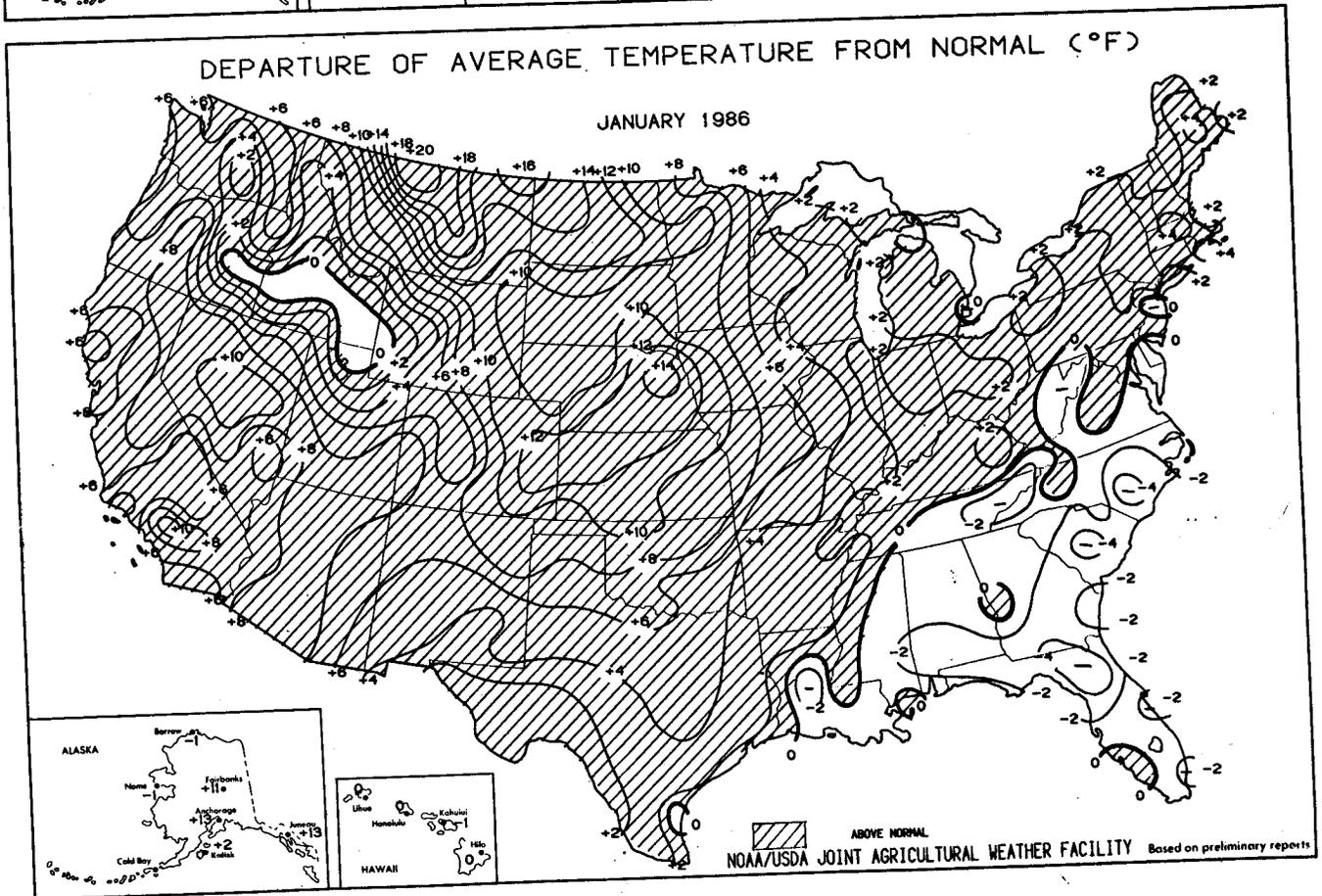
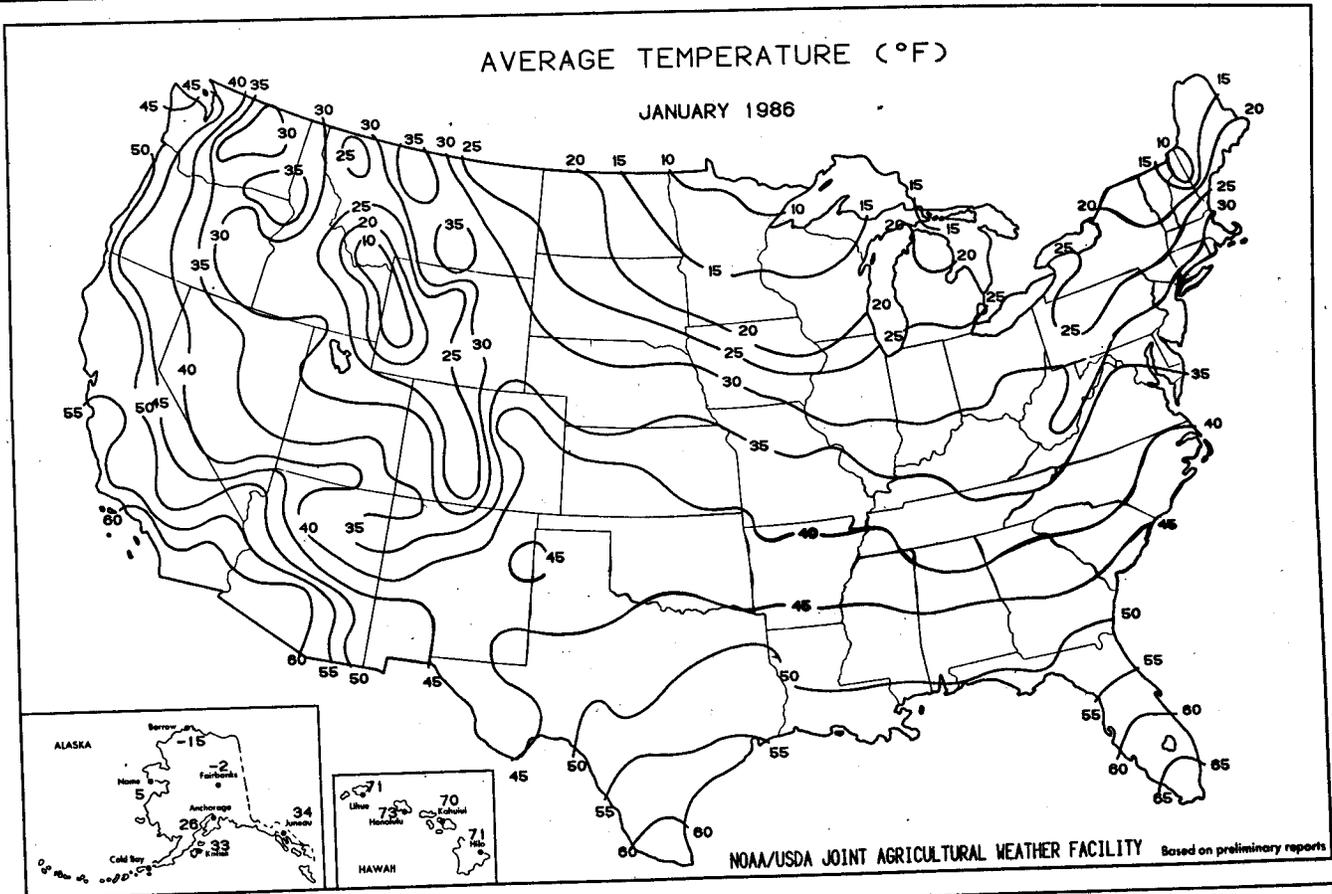
Windy and wet weather persisted in the Northeast until week's end when the entire West was clear and mild. A series of cold fronts brought rain and snow to the eastern half of the Nation with snow covering the upper Ohio Valley and Appalachians.

FOURTH WEEK...A frigid blast of arctic air pushed into the upper Mississippi Valley early in the week and moved rapidly eastward and southeastward. Subzero temperatures spread through the Mississippi Valley to the lower Ohio Valley and through the Appalachians to the upper Tennessee Valley. Freezing temperatures reached into the eastern Gulf of Mexico and through Florida to the Lake Okeechobee area. Florida temperatures rose rapidly during the day and escaped severe damage. Light snow preceded the cold outbreak in the central Mississippi Valley and lower Great Lake States, but later rain melted most of it. The rainy season seems to have begun in the West as precipitation fell in most areas west of the Rockies. Snow fell at the high elevations, but most of the precipitation was rain.

WINTER WHEAT

Winter wheat was mostly good at the beginning of January. Ample snow cover protected wheat from bitter cold across the northern third of the Nation early in the month. However, warm temperatures through most of the month melted much of the snow leaving some areas in the northern Rockies and northern Plains with less than desired snow cover. By month's end, snow had vanished from the central Plains and lower Corn Belt States. The above-normal temperatures presented ideal conditions for growth but the lack of moisture limited growth in most areas. As a result, wheat condition diminished a little in some areas to fair to good but ended the month in mostly good condition, overall. Rain promoted wheat growth in the western States the last week of January. Winterkill became evident in Oregon as temperatures increased.





Temperature and Precipitation Data for January 1986

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
AL BIRMINGHAM	42	-1	1.0	-4.3	BATON ROUGE	51	1	1.6	-3.0	COLUMBUS	30	3	1.5	-1.2
MOBILE	50	-1	2.7	-1.9	LAKE CHARLES	52	0	2.7	-1.5	DAYTON	29	2	1.7	-0.9
MONTGOMERY	45	-2	1.1	-3.1	NEW ORLEANS	51	-1	3.4	-1.6	TOLEDO	25	2	1.0	-1.0
AK ANCHORAGE	26	13	0.2	-0.6	SHREVEPORT	49	3	0.5	-3.6	YOUNGSTOWN	26	2	0.8	-1.9
BARROW	-15	-1	0.2	-0.1	ME CARIBOU	12	1	4.8	2.4	OK OKLAHOMA CITY	44	8	0.0	-1.0
FAIRBANKS	-2	11	0.1	-0.4	PORTLAND	25	3	6.6	2.8	TULSA	43	8	0.0	-1.4
JUNEAU	34	13	7.0	3.3	MD BALTIMORE	33	0	2.1	-0.9	OR ASTORIA	47	6	11.2	-0.1
KODIAK	33	2	10.3	2.0	MASSALISBURY	35	-1	4.8	1.5	BURNS	27	-1	1.4	0.9
NOME	5	-1	0.3	-0.5	BOSTON	31	2	3.4	-0.6	MEDFORD	44	6	2.0	-1.4
AZ FLAGSTAFF	37	9	0.3	-1.8	CHATHAM	33	2	2.4	-1.9	PENDLETON	36	3	1.6	-0.1
PHOENIX	61	9	0.1	-0.7	MI ALPENA	18	1	1.0	-0.7	PORTLAND	43	4	4.6	-1.6
PRESCOTT	45	8	0.1	-1.6	DETROIT	24	0	1.3	-0.6	SALEM	43	4	6.2	-0.8
TUCSON	59	8	1.0	0.2	FLINT	22	0	0.7	-0.9	PA ALLENTOWN	29	2	4.3	0.9
WINSLOW	40	8	T	-0.4	GRAND RAPIDS	23	1	1.1	-0.8	ERIE	27	3	2.3	-0.2
YUMA	64	8	0.1	-0.3	HOUGHTON LAKE	18	1	1.1	-0.4	HARRISBURG	31	2	2.2	-0.8
AR FORT SMITH	41	4	0.2	-1.7	LANSING	21	0	0.8	-0.9	PHILADELPHIA	33	1	4.2	1.0
LITTLE ROCK	43	4	0.6	-3.2	MARQUETTE	14	2	2.9	1.2	PITTSBURGH	28	1	2.5	-0.4
CA BAKERSFIELD	53	5	1.1	0.1	MUSKEGON	24	1	1.0	-1.4	SCRANTON	27	2	2.8	0.5
EUREKA	54	7	7.2	0.2	SAULT STE. MARI	13	-1	1.7	-0.5	RI PROVIDENCE	31	3	5.9	1.8
FRESNO	54	8	2.1	0.0	MN ALEXANDRIA	15	9	1.0	0.1	SC CHARLESTON	46	-2	2.0	-1.4
LOS ANGELES	62	6	2.3	-0.8	DULUTH	12	5	0.7	-0.5	COLUMBIA	41	-4	1.1	-3.3
RED BLUFF	50	5	5.2	0.7	INT'L FALLS	8	8	0.6	-0.3	FLORENCE	44	-1	1.0	-2.6
SACRAMENTO	52	6	3.6	-0.4	MINNEAPOLIS	17	6	0.9	0.1	GREENVILLE	39	-2	1.1	-3.1
SAN DIEGO	61	4	0.7	-1.4	ROCHESTER	16	5	0.6	-0.2	SD ABERDEEN	17	9	0.4	-0.1
SAN FRANCISCO	54	5	4.1	-0.6	ST. CLOUD	15	8	0.7	-0.1	HURON	19	8	0.4	0.0
CO DENVER	40	11	0.2	-0.3	MS GREENWOOD	45	2	0.9	-4.3	RAPID CITY	30	9	0.5	0.1
GRAND JUNCTION	34	9	0.1	-0.5	JACKSON	45	-1	0.8	-4.3	SIoux FALLS	21	8	0.7	0.2
PUEBLO	40	10	0.3	0.0	MERIDIAN	44	-1	1.2	-3.8	TN CHATTANOOGA	38	-1	0.9	-4.3
CT BRIDGEPORT	31	2	2.7	-0.6	MO COLUMBIA	34	6	0.1	-1.5	KNOXVILLE	35	-3	1.0	-3.7
HARTFORD	27	2	5.2	1.7	KANSAS CITY	34	9	T	-1.1	MEMPHIS	42	2	0.6	-4.0
DC WASHINGTON	35	0	2.4	-0.4	SAINT LOUIS	35	6	0.1	-1.6	NASHVILLE	37	0	0.2	-4.3
FL APALACHICOLA	52	-1	3.8	0.3	SPRINGFIELD	37	5	0.1	-1.5	TX ABILENE	48	5	T	-1.0
DAYTONA BEACH	57	-1	7.2	4.8	MT BILLINGS	37	16	0.4	-0.6	AMARILLO	43	7	0.0	-0.5
JACKSONVILLE	51	-2	4.2	1.2	GLASGOW	22	14	0.3	-0.2	AUSTIN	54	5	0.5	-1.1
KEY WEST	68	-1	1.3	-0.5	GREAT FALLS	37	18	0.5	-0.5	BEAUMONT	54	2	1.8	-2.4
MIAMI	65	-2	5.0	2.9	HAVRE	31	20	0.2	-0.4	BROWNSVILLE	61	1	1.1	-0.2
ORLANDO	60	-1	7.2	5.1	HELENA	26	8	0.3	-0.3	CORPUS CHRISTI	57	1	1.7	0.1
TALLAHASSEE	49	-3	2.7	-2.0	KALISPELL	25	6	2.2	0.6	DEL RIO	52	1	1.7	1.2
TAMPA	59	-1	2.4	0.2	MILES CITY	28	14	0.5	0.0	EL PASO	45	1	T	-0.4
WEST PALM BEACH	64	-1	6.3	3.6	MISSOULA	26	5	0.9	-0.5	FORT WORTH	49	5	0.0	-1.7
GA ATLANTA	43	1	0.9	-4.0	NE GRAND ISLAND	34	13	0.0	-0.5	GALVESTON	56	2	1.4	-1.6
AUGUSTA	42	-3	1.5	-2.5	LINCOLN	33	13	0.0	-0.6	HOUSTON	54	3	0.8	-2.5
Macon	45	-2	1.7	-2.6	NORFOLK	31	14	0.1	-0.5	LUBBOCK	44	6	0.0	-0.4
SAVANNAH	47	-2	2.0	-1.1	NORTH PLATTE	32	10	T	-0.4	MIDLAND	46	3	0.2	-0.2
HI HILO	71	0	5.0	-4.6	OMAHA	31	12	T	-0.7	SAN ANGELO	48	3	0.3	-0.3
HONOLULU	73	0	0.2	-3.6	SCOTTSDALE	33	9	0.1	-0.3	SAN ANTONIO	53	3	0.8	-0.8
KAHULUI	70	-1	0.9	-3.4	VALENTINE	27	9	0.1	-0.2	VICTORIA	56	3	1.1	-0.8
LIHUE	71	0	0.3	-5.8	NV ELKO	32	7	0.2	-1.0	WACO	50	4	0.1	-1.6
ID BOISE	29	-1	1.0	-0.6	ELY	34	10	0.3	-0.4	WICHITA FALLS	46	5	0.0	-0.9
LEWISTON	39	7	1.1	-0.3	LAS VEGAS	52	7	0.2	-0.3	UT BLANDING	36	9	0.2	-1.1
POCATELLO	23	0	1.1	-0.1	RENO	41	8	0.4	-0.8	CEDAR CITY	38	8	0.1	-0.5
IL CAIRO	36	1	1.4	-2.1	WINNEMUCCA	39	9	0.3	-0.6	MILFORD	35	9	0.2	-0.5
CHICAGO	23	1	0.4	-1.2	NH CONCORD	23	3	4.8	2.0	SALT LAKE CITY	29	0	0.9	-0.5
MOLINE	25	6	0.4	-1.3	NJ ATLANTIC CITY	32	1	3.8	0.3	VT BURLINGTON	18	2	3.7	1.8
PEORIA	27	5	0.2	-1.4	NM ALBUQUERQUE	41	7	0.2	-0.2	VA NORFOLK	39	-1	2.5	-1.3
QUINCY	29	6	0.1	-1.3	CLOVIS	43	6	0.0	-0.5	RICHMOND	36	-1	2.7	-0.6
ROCKFORD	21	2	0.7	-0.7	ROSWELL	44	3	0.7	0.5	ROANOKE	35	0	0.9	-1.9
SPRINGFIELD	29	4	T	-1.5	ALBANY	23	2	3.2	0.8	WA COLVILLE	31	6	3.0	0.8
IN EVANSVILLE	33	2	1.1	-1.9	BINGHAMTON	23	1	2.1	-0.4	QUILLAYUTE	44	5	16.2	1.1
FORT WAYNE	26	3	0.6	-1.4	BUFFALO	26	2	2.3	-0.7	SEATTLE-TACOMA	45	6	8.5	2.5
INDIANAPOLIS	28	2	0.8	-1.9	NEW YORK	34	2	4.5	1.4	SPOKANE	30	4	3.1	0.6
SOUTH BEND	26	2	1.2	-1.2	ROCHESTER	25	1	1.6	-0.7	WALLA WALLA	37	3	2.5	0.4
IA DES MOINES	27	8	0.1	-0.9	SYRACUSE	24	1	2.4	-0.2	YAKIMA	30	2	1.8	0.4
DUBUQUE	18	2	0.8	-0.6	NC ASHEVILLE	35	-2	1.1	-2.4	WV BECKLEY	29	-1	1.5	-1.9
SIoux CITY	18	12	0.1	-0.5	CHARLOTTE	38	-2	1.0	-2.8	CHARLESTON	34	1	2.1	-1.4
WATERLOO	29	5	0.4	-0.4	GREENSBORO	37	-1	0.7	-2.8	HUNTINGTON	33	1	1.3	-1.9
KS CONCORDIA	37	12	0.0	-0.6	HATTERAS	45	-1	5.7	1.0	PARKERSBURG	31	1	1.3	-2.4
DODGE CITY	40	11	0.0	-0.5	NEW BERN	43	-1	3.3	-0.7	WI GREEN BAY	17	3	0.6	-0.6
GOODLAND	39	12	0.0	-0.4	RALEIGH	39	-1	1.9	-1.7	LA CROSSE	17	3	0.6	-0.3
TOPEKA	36	10	0.0	-0.9	WILMINGTON	44	-1	2.1	-1.5	MADISON	18	3	1.0	-0.1
WICHITA	38	8	0.0	-0.7	ND BISMARCK	20	13	0.4	-0.2	MILWAUKEE	22	3	0.9	-0.8
KY BOWLING GREEN	35	1	1.0	-3.6	FARGO	14	9	0.9	0.3	WAUSAU	15	4	0.6	-0.3
JACKSON	34	3	1.8	-2.1	GRAND FORKS	11	9	0.6	-0.2	WY CASPER	32	10	0.4	-0.1
LEXINGTON	33	1	0.6	-3.0	WILLISTON	22	16	0.4	-0.2	CHEYENNE	37	11	0.1	-0.3
LOUISVILLE	34	3	0.9	-2.5	OH AKRON-CANTON	26	1	1.4	-1.2	LANDER	22	2	0.3	-0.2
PADUCAH	36	3	1.4	-2.2	CINCINNATI	30	1	1.0	-2.1	SHERIDAN	32	13	0.2	-0.6
LA ALEXANDRIA	50	-2	1.9	-2.7	CLEVELAND	26	1	2.2	-0.3	PR SAN JUAN	75	-1	2.2	-0.8

Based on 1951-80 normals.

National Agricultural Summary

February 3 to 9, 1986

HIGHLIGHTS: Snow cover returned to the central Plains and Corn Belt giving some protection to small grains from cold weather. However, snow cover remained inadequate in some areas of the central Plains. Precipitation slowed field activity across the eastern half of the Nation, especially in the Southeast, but supplied much needed moisture to these areas. Soil moisture was generally adequate throughout most areas of the Nation. Florida vegetable growers replanted a few fields and spot-set tender crops as a result of the previous week's cold weather. Livestock was mostly good. Supplemental feeding increased in most areas as temperatures declined and snow covered grasses exposed by melting snow.

SMALL GRAINS: Snow adequately protected wheat and other small grains from cold weather in the northern one-third of the Nation. Most wheat-producing areas received additional snow with snow cover stretching as far south as the Texas Panhandle. Even with the snowfall some wheat in the central Plains lacked proper protection from cold temperatures. Wheat was mostly good.

Texas wheat was fair to good. Crop conditions should improve with the recent moisture, but the colder temperatures may slow growth. Snow cover benefited wheat in Oklahoma and its condition was good to fair. Rain and snow prevented damage to wheat in Kansas from soil blowing, but snow cover was insufficient to protect from sharply changing temperatures. Snow in Nebraska provided protection and much needed moisture to wheat. Wheat seeding approached completion in Arizona. Stands were established on 80 percent (%) of the acreage. In western Arizona, early planted wheat reached the jointing stage. Small grains developed well in California. Producers sprayed to control weeds and fertilized to establish good stands.

OTHER CROPS: Arizona and California cotton producers prepared land for the 1986 cotton crop. A few California growers were issued citations for not meeting plowdown deadline.

Florida's sugarcane harvest made good progress. Young cane burned back by late-January freeze should begin showing growth with warmer weather.

Georgia's tobacco plants were good. Conditions improved for late tobacco stripping in Kentucky.

FRUIT AND NUTS: The northern half of Florida's citrus belt received rain with the remainder under irrigation to maintain sufficient moisture. Bloom

buds started showing with very few open flowers. Early-mid orange harvest was active. Grapefruit movement about equaled fresh and processing demand. In Arizona, Valencia orange harvest gained momentum with fair to excellent quality. Lemons, tangerines, and grapefruit were picked. Shipping volume for lemons and tangerines remained steady, but grapefruit declined. Rain delayed California citrus harvest in the San Joaquin Valley. There has been no significant freeze damage this season, but fruit droppage is still a problem. Rain delayed pruning and dormant spraying in northern and central vineyards and orchards. Apricot orchards approached full bloom in the San Joaquin Valley. Nectarine and plum orchards started blooming.

VEGETABLES: Florida's vegetables generally improved following the cold weather. A few vegetables were replanted and some spot resetting of tender crops was necessary. Harvest was relatively slow but gained momentum as the week progressed. Most vegetables increased in volume except sweet corn, cucumber, escarole, and radishes which declined. In Texas, rain delayed vegetable harvest. Spring vegetable planting was underway in east Texas as conditions allowed. Seedbed preparation for spring vegetables started in Yuma County, Arizona. Spring lettuce was planted in Cochise County. In the Salt River Valley vegetable shipments were at seasonal levels. Lettuce and asparagus packing was heavy at Yuma. Broccoli harvest advanced in the Elroy area. California vegetable harvest varied from fairly light to heavy. Lettuce harvest was active in the Imperial Valley with some abandonment due to market conditions. Lettuce supplies were very light from the Palo Verde Valley. Broccoli and cauliflower harvest was light in Salinas and Santa Maria. Carrot harvest was fairly active in the Imperial and Coachella Valleys. Asparagus harvest was active in the desert area and at peak along the south coast. South coast strawberry picking continued with good color and quality.

PASTURES AND LIVESTOCK: Rain improved pastures in the Southeast. Supplemental feeding increased as cold weather and snow returned in the central Plains and northern States. Hay shortages continued in some areas. Sharply changing temperatures were stressful to livestock, but mostly the condition was good. Calving was active in most areas.

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 Statistical Offices in cooperation with the National Weather Service.

ALABAMA: Rainfall totals 1.00 in. less north, between 0.100 to 0.200 in. over central. Temperatures averaged 12° above normal.

Soil moisture normal. Livestock, poultry generally good.

ARIZONA: Weather disturbance 4th, snow level down to 6,000 ft. Much colder system 5th, 6th with snow level around 3,000 ft. Third system brought more snow, rain, colder air 8th, 9th. Total snowfall ranged from 2 to 8 in. over Central Basins, Grand Canyon; 8 to 25 ins. over Mogollon Rim, White Mountain. Moisture amounts for week under 0.25 in. extreme west, 0.33 to 0.75 in. elsewhere; except locally over 1.75 in. White Mountains, southeast. Average temperatures from 10 above to 40 below seasonal normals.

Wheat, barley seeding approaching completion. Stands established on 80% of acreage. Crops developing nicely. West, early planted fields reached jointing stage. Seedbed preparation for 1986 cotton began all areas. Pre-irrigation, plowdown continued southeast. Alfalfa good to excellent condition. Fields look very good, although weeds heavier than normal west. Sheeping off routine. Valencia orange harvest gained momentum. Fruit quality fair to excellent. Lemons, tangerines, grapefruit also picked. Navel orange harvest completed. Shipping volume for lemons, tangerines steady, grapefruit decreased. February 1 harvested percentages as follows: Lemons 96%, grapefruit 36%, tangerines 78%. Pecan shipping, apple tree pruning continued. Salt River Valley mixed vegetable shipments at seasonal levels. Yuma lettuce, asparagus packing heavy. Other mixed vegetables also shipped. Eloy, broccoli harvest advanced. Spring lettuce, potatoes planted Cochise County, Salt River Valley. Seedbed preparation for spring vegetables started Yuma County.

ARKANSAS: First part of week warmer than normal, colder than normal by end of week. Rainfall midweek. Temperature extremes 20°; 76°.

Rainfall 0.95 to 4.66 in.

Land preparation active until midweek. Precipitation beneficial to wheat, oats. Livestock average condition.

CALIFORNIA: Most areas of State experienced temperatures above normal. Except for dry southeast interior, rainfall widespread. Precipitation heaviest north with a few locations reporting totals greater than 2.00 in. Small grains developed well due to favorable weather conditions.

Small grains sprayed to control weeds. Fertilizing small grains to establish good stands. Few citations issued because growers did not meet plowdown deadline. Preparing fields for next cotton crop. Many alfalfa fields sheared off. Recent rains delayed pruning, dormant spraying northern and central vineyards and orchards. Apricot orchards approaching full bloom. San Joaquin Valley. Nectarine, plum orchards started blooming. Following rain, growers accelerated spraying for brown rot. Pear orchards sprayed between storms to control psylla. Raisin grape growers treated vineyards for Spanish Measles. Substantial acreages of Thompson Seedless grapes enrolled Raisin Administrative Committee diversion program. Some harvesting of San Joaquin Valley citrus delayed by rain. No significant freeze damage this season

but droppage still problem. Beekeepers moved hives into almond orchards, early varieties blooming. Asparagus active desert area, at peak south coast. Broccoli active desert area, 600 complete south coast. Broccoli fairly light with variable quality Salinas, Santa Maria. Carrots fairly active Imperial-Coachella Valley. Cauliflower light with variable quality Salinas, but expected to increase as harvesting begins. Santa Maria fairly light with variable quality. Harvest continued San Joaquin Valley and south coast. Lettuce active Imperial Valley with some abandonment due to market conditions. Lettuce Palo Verde very light. Spring market onions progressed well due to favorable growing conditions San Joaquin Valley. Movement of fall potatoes Tulelake-Butte Valley behind last year. Prices lower, growers applied for disaster relief. Strawberry picking continued south coast with good color and quality. Sweetpotato seedbeds being prepared San Joaquin Valley. Planting of fresh market and processing tomatoes continued San Joaquin Valley with delays southern region due to rain. Range feed prospects improved with rains, sunny, warm weather. Supplemental feeding continued. Calving, lambing active. Light losses reported. Some lambs lost to coyotes. Stockwater levels raised but still low most districts.

COLORADO: Wide-spread rain and snow showers over northern one-half of State 3rd, 4th with 3 to 5 in. of new snow higher elevations, 0.10 to 0.20 in. western valleys and 14 in. of new snow northeast. Light snow continued through 7th northeast. Heavier precipitation shifted to southern part of State 6th, 7th with snow amounts 3 to 5 in. range. Temperatures turned considerably cooler after 6th, but still averaged 1 to 3° above normal for this period.

Snow cover across most of State helped to maintain winter wheat, crop good condition. Major activities care and feeding livestock.

FLORIDA: Showers thunderstorms north, 5th, 6th, rain amounts mostly 1.00 to 3.00 in. but locally much heavier. Spotty, light showers statewide, 7th. Heavy thunderstorms, severe weather crossed much of north, central areas, 8th; rain amounts of 0.50 to 2.00 in. only spotty. Light showers south. Scattered showers, thunderstorms, 9th with 1.00 to 2.00 in. amounts. Temperatures unseasonably mild averaging 3 to 6° above normal.

Heavy rains much of Panhandle resulted surplus topsoil moisture some areas. Moisture short many west coast areas of Peninsula, but rains 8th benefitted many central Peninsula areas. Elsewhere, moisture mostly adequate. Rains slowed fieldwork. Land preparation for spring planting north. Some land prepared for corn. Small grains topdressed. Warmer temperatures promoted growth small grains. Sugarcane harvest made good progress. Young cane for next year's crop burned back by late January freeze should begin showing growth with warmer weather. Permanent pastures slow recovery, warmer Peninsula areas, as weather improved, but remained mostly dormant elsewhere. Conditions poor to fair statewide. Supplemental feeding continued, grazing very limited. Cattle condition fair to good statewide. Warm temperatures for citrus trees. Northern half citrus belt received rain; remainder using irrigation. Bloom buds starting to show. Very few open flowers. Early mid orange harvest very active, grapefruit movement about equal to fresh and processed

markets. Mild weather vegetable area with little rain, except central areas weekend. Crop condition generally improved following cold of previous week. Some spot resetting of tender crops necessary, few fields replanted. Harvest relatively slow but gaining most areas. Increased volume most crops except lower, sweet corn, cucumber, escarole, radishes. Potato harvest underway south, increasing. Yields, quality most crops fair to good, improving.

GEORGIA: Warm, wet week across most of State. At least 2.00 in. rain over southern two-thirds of State, 4.00 in. amounts common east with 5.00 to 7.00 in. totals southwest. Amounts across north 1.00 in. or less. Rain on about 40 days. Temperatures low and mid 50s north, upper 50s to 60s elsewhere. Averages 10° above normal. Maximums low 80s over southeast, low 70s north and mid and upper 70s elsewhere. Lowest readings 30s north, 40s central, and south.

Soil moisture adequate north, north central; surplus central, southeast, northwest. Land preparation active as weather permitted. Wheat, rye, other small grains mostly fair to good. Tobacco plants good. Cattle fair to good. Hogs fair to mostly good. Cotton, pecan, soybean harvest virtually complete.

HAWAII: Crops continued to make fair progress under generally dry conditions. Winds variable 5 to 15 mph. Short lived volcanic eruption 2nd, created hazy conditions for a day. Midweek showers brought little relief to unusually dry winter. Water restrictions implemented on Hawaii Island. Kona coffee orchard adversely affected by dry conditions. Sugarcane harvesting started with pineapple harvesting to follow several weeks. Papaya output expected to remain steady.

IDAHO: Early week moist, mild southwesterly flow brought precipitation to most of State. Cold frontal passage midweek followed by high pressure and dry weather late week. Temperatures averaged 5 to 10° above normal. Precipitation mostly above normal except below normal north.

Farm activity remained slow during week with general maintenance and livestock care continuing. Some producers sorting through cellars for damaged potatoes and selling seed potatoes. Livestock condition remains good with feed supplies being reported short scattered counties.

ILLINOIS: Mean temperatures 4 to 8° above normal. Precipitation general, ranging from 0.69 to 1.81 in., heaviest northwest.

Winter wheat mostly good. Livestock good to fair.

INDIANA: Temperatures 3 to 5° below normal south to near normal north. Highs near 50s south to 30s north. Precipitation above normal. Total amounts generally exceeded 1.00 in.

Heavy rains halted most fieldwork until soils froze late period. Warmer temperatures resulted some greening of wheat, other small grains. Light snow cover afforded some protection latter part of week. Activities: Buying seed, chemicals. Otherwise, mostly indoor work such as maintaining equipment, shop work, making plans, caring for livestock, usual chores.

IOWA: Temperatures averaged above seasonal normals. Dry pattern which persisted across State for over a month was interrupted by widespread rain and snowfall from 3rd to 7th. Weekly precipitation totals (rainfall and water equivalent of snow) exceeded 0.50 in. all but northwest corner and extreme northern counties with over 2.00 in. some eastern locations. Snow cover varies from about 1 in. northwest and

southwest corner of State to 10 in. or more northeast.

Precipitation and changing temperatures caused stress on livestock. Late row crop harvesting slowed.

KANSAS: Precipitation averaged 1.00 to 1.50 in. eastern third, 0.33 to 0.67 in. central and southwest, near 0.25 in. northwest and less than 0.10 in. west central. Temperatures averaged from 27 to 39°.

Rain and snow help prevent soil blowing. Insufficient snow cover to protect wheat from sharply changing temperatures. Farmers busy caring for livestock, particularly newborn calves and lambs.

KENTUCKY: Wet, warm early then dry, cold. Temperatures averaged 6 to 12° above normal, highs reaching 60s to few low 70s southeast. Precipitation mostly 1.00 in. or more above normal of 0.75 in.; Hardinsburg 3.90 in., Campbellsville 3.87 in. few east locations measured little less than 1.00 in.

Mild, wet conditions; slight greening up grasses and some fall grains. High humidity good for late tobacco stripping. Livestock satisfactory, many new calves on ground.

LOUISIANA: Temperatures averaged 8 to 11° above normal. Temperature extremes 32° Calhoun; 79° Jeanerette. All stations reported highs middle 70s.

Rainfall reported statewide latter part of week. Several reports 2 to 3 in. across northwest, southeast. Average precipitation 1.00 to 3.10 in. Heaviest weekly total 4.44 in. Boothville. Main activities: Routine winter chores, caring for livestock, preparing for spring planting.

MARYLAND & DELAWARE: **Maryland:** Temperatures 6 to 11° above normal; lows, teens to mid 20s; highs, low to mid 60s. Precipitation averaged 1.25 in., range 0.90 to 2.04 in.

Fieldwork 3.0 days suitable. Topsoil moisture surplus; subsoil moisture adequate. Small grains fair to good condition. Farmers main activities: Caring for livestock, preparing taxes, stripping tobacco, cleaning chicken houses, spreading manure when weather permits.

Delaware: Temperatures 4 to 6° above normals; lows, midteens to 20°; highs, high 50s to mid 60s. Precipitation averaged 1.24 in., range 0.81 to 1.50 in.

Fieldwork 2.7 days suitable. Topsoil moisture surplus; subsoil moisture adequate. Small grains fair condition. Farmers main activities: Soil testing, manure hauling, livestock chores, chicken house cleaning.

MICHIGAN: Temperatures averaged 7° above normal, brief interlude from harshness of winter. Later part of week saw return to winter weather. Temperatures began to plummet over State while moderate amounts of snow fell over southern half of State 7th.

Corn 99% harvested, 100% 1984, 100% avg. Major farm activities include marketing grain, hauling manure, attending farm meetings, pruning of grape vines and apple trees. Livestock good condition. Feed supplies adequate. Heavy snow cover rule over entire State. Small grain fields good condition.

MINNESOTA: Dry, relatively warm, early and midweek; much colder, end of week. Temperatures averaged 7 to 13° above normal. Temperature extremes -18°; 38°. No precipitation except northern third and southeast tip. Precipitation averaged 0.08 to 0.19 in. below normal. Greatest

weekly total 0.08 in. Snow depth weeks end averaged 4 to 16 in.

Almost no harvest activity. Snow cover for winter-dormant crops still ample. Shortage of good hay, some localities.

MISSISSIPPI: Average temperatures 10° above normal, extremes 32°; 80°. Greatest 24-hour rainfall 3.84 in.

Fieldwork 2.8 days suitable. Soil moisture adequate to surplus. Main farm activities land preparation, planning for 1986. Livestock, wheat pasture good to fair condition. Supplies of feed grains and hay adequate.

MISSOURI: Quasi-stationary front divided State through midweek warmer air south and cold air blocked north State. Temperatures range 15° above normal south to 5° above normal north. Rain over State for first 5.0 days and some snow towards end of week. Rains across central areas 2.50 to 4.00 in., northern half received around 1.00 in. Southwest around 2.00 in., southeast ranged from 3.00 to almost 4.50 in. Bootheel. Farm work limited to care of livestock as wet weather prevented any field activity.

MONTANA: Mild temperatures continued first half of week. Colder temperatures after midweek. Subzero temperatures many areas late week. Temperatures averaged 5 to 8° above normal eastern third of State, around 2° above normal rest of State. Precipitation moderate to heavy southwest and south central 0.10 to 0.75 in. elsewhere precipitation mostly light.

Snow protection on winter wheat improved, 38% poor, 30% fair, 25% good, 7% excellent. Wind damage 7% none, 56% light, 37% moderate. Winter wheat 7% poor, 51% fair, 42% good. Calving, lambing 5% complete. Grazing 45% open, 44% difficult, 11% closed. Hay, roughage supplies 94% short, 6% adequate.

NEBRASKA: Cold. Precipitation widespread averaged 0.50 to 1.50 in. Average temperatures ranged from 10° below normal west to 2° above normal east.

Snow cover should be beneficial to wheat crop as protection and needed moisture. Chores limited to livestock care, grain management, tax preparation, financial planning.

NEVADA: Week started with temperatures slightly above or near seasonal normals. North, central sections experienced periods of light and occasionally moderate precipitation until midweek while southern areas mostly fair and dry. Cold, Arctic air dropped temperatures well below normal levels shortly after midweek. Cold, but fair weather continued into weekend. Extremes 21°; 77°.

Feeding and caring for livestock main farm and ranch activities.

NEW ENGLAND: Temperatures 2 to 4° below normal across northern areas and 1 to 2° below normal southern areas. Most of precipitation as snow. Precipitation (water equivalent) varied between 0.33 to 0.67 in. across region.

Normal winter activities included shipping milk, eggs, potatoes, apples.

NEW JERSEY: Temperatures near normal, averaging 29° north, 33° south, 35° coastal. Extremes 10°; 61°. Precipitation above normal, averaging 1.13 in. north, 1.10 in. south, 1.19 in. coastal. Heaviest 24-hour total 0.68 in. 4th, 5th. Heaviest 24-hour snowfall 5 in. 7th, 8th. Depth of snow 10th ranged from 1 to 5 in.

Most activities centered around caring for livestock, plowing snow, tending to normal winter chores.

NEW MEXICO: Average weekly temperatures well below normal, 8° below normal northeast. Temperatures -7°, northwestern plateau, western mountains, to 71° southeastern Plains. Heavy snows mountains and north. Precipitation 0.03 in. southern mountains to 1.70 in. northern mountains.

Days suitable for fieldwork 5.2. Soil moisture 73% short, 27% adequate. Barley 44% fair, 56% good. Irrigated wheat 38% fair, 62% good. Dryland wheat 25% poor, 75% fair. Onions 100% good. Cattle 9% poor, 46% fair, 45% good. Sheep 14% poor, 29% fair, 57% good. Range 36% poor, 55% fair, 9% good.

NEW YORK: Temperatures averaged about 8° below normal. Average temperatures from 5 to 15° north and 20s elsewhere, except New York City and Long Island area, they averaged from 30 to 35°. Extremes 18° below zero Messena, St. Lawrence Valley; 50° above Bridgehampton, Long Island. Precipitation near normal central sections from 0.25 to 0.75 in., below normal near northern border around 0.25 in., and above normal south and west with 1.00 to 1.25 in.

Farm activities for week include tending livestock, plowing snow, routine farm chores.

NORTH CAROLINA: Temperatures averaged 10 to 14° above normal statewide. Precipitation both as rain and snow, ranged from none to 1.08 in.

Days suitable for fieldwork 4.2. Soil moisture 33% short, 65% adequate, 2% surplus. Wheat 48% fair, 52% good. Oats 51% fair, 49% good. Barley 4% poor, 52% fair, 44% good. Rye 2% poor, 54% fair, 44% good. Pasture 22% poor, 60% fair, 18% good. Feed grains 2% short, 92% adequate, 6% surplus. Hay, roughage 95% adequate, 5% surplus. Activities: Topdressing small grains, gassing and seeding tobacco beds, applying herbicides testing soils, discing and plowing fields, pruning fruit trees, tending livestock, cutting firewood, mowing, tax preparation, machinery repair and other farm maintenance.

NORTH DAKOTA: Another week of above normal temperatures ended by cold Arctic air. Temperatures averaged 5 to 12° above normal. Extremes from 44° west central on 2nd to 15° below zero northeast 8th. Precipitation below normal with most areas receiving less than 0.05 in. form of light snow, freezing drizzle. Dense fog covered State midweek causing large accumulations of frost.

Warmer temperatures have further melted remaining snow, but most fall seeded crops continue to have adequate cover. Ranchers still need hay for livestock. Temperature fluctuations stressful to livestock.

OHIO: Temperatures variable; extremes 60s south to positive single digits. Mean temperatures 4 to 6° above normal. Precipitation 1.00 to 2.00 in. water equivalent. Moderate snow cover weekend.

Snow cover returned to protect winter wheat with return of low temperatures. No problems usually associated with winter weather.

OKLAHOMA: Temperatures averaged 2° below normal Panhandle to 7° above normal northeast and east central. Precipitation averaged 0.25 in. north central to 3.48 in. southeast.

Snow cover benefits wheat, most crops. Wheat good to fair condition. Budding trees damaged by recent freeze. Insect activity checked. Hay supplies adequate to surplus. Cattle good condition. Supplemental feeding active statewide.

OREGON: Temperatures near normal west, 2 to 3° above normal north central, 1 to 2° below normal south central. Precipitation beginning of week

varied from 0.50 in. western interior to over 2.50 in. south coast, less than 0.30 in. fell north central and northeast areas, less than 0.10 in. south central areas.

Snow cover east continued to diminish. Fall grains have not begun growing most areas. Some fieldwork underway. Western grain and grass seed fields have begun growing; some early fertilizer and herbicide applications. Heaving damage expected to be slight west. Caneberry pruning, planting underway. Tree fruit pruning underway along mid-Columbia. Livestock mostly good condition. Forage shortage continued over most of State.

PENNSYLVANIA: Week wet, warm. Average temperature 32°, 60° above normal. Weekly precipitation averaged 1.36 in., 0.69 in. above normal.

Activities for week: Hauling manure, caring for livestock, normal winter chores. Monitoring of poultry flocks central areas for Avian Influenza continued.

PUERTO RICO: Island average rainfall 1.18 in., 0.59 in. above normal. Highest weekly total 3.71 in. Highest 24-hour total 2.08 in. Temperature averaged about 74 to 75° on coast, 69° interior divisions. Mean station temperature ranged from 59.4 to 76°. Extremes 51°; 90°. Total rainfall 0.44 in., minus 0.11 in.

SOUTH CAROLINA: Temperatures averaged much above normal until late week. Rainfall early week and again during weekend. Rainfall varied from 0.30 in. mountains to 1.50 in. south. Cold weather predicted.

Tobacco seedbed planting almost complete. Routine winter activities such as caring for livestock, pruning fruit trees, equipment maintenance, etc.

SOUTH DAKOTA: Average temperatures 20 below normal to 80 above normal. Extremes-90°; 59°. Precipitation above normal central, west, southwest, below normal elsewhere. Snow depths ranged 3 to 5 in. Statewide except north central and northwest 10 to 12 in.

Livestock mostly good condition. Feed supplies short west adequate elsewhere.

TENNESSEE: Unseasonably warm weather prevailed first half of week then cooled to near normal latter half. Highs ranged 20 to 25° above normal. Maximum temperatures 70s common early week. Rain over entire State; greatest amounts west. Averaged 1.00 to 2.00 in. west; generally less than 1.00 in. middle and east.

TEXAS: Major shift upper air patterns brought end to warm, dry weather of past several weeks. Early week, upper level disturbance, abundant moisture produced general rain eastern two-thirds, some flooding north central countries. Front, second upper air disturbance triggered showers, thunderstorms midweek. Cold surge, beginning stages upper air storm brought snow Panhandle, Northern Rolling Plains on 7th. Conditions deteriorated over weekend as Arctic blast arrived, interacted with upper air storm to produce heavy snow High Plains. Snow extended into Permian Basin, north central areas. Freezing drizzle Hill Country, central areas. Precipitation above normal. Temperatures below normal Plains, well above normal Lower Valley, near to slightly above normal elsewhere.

CROPS: Wheat 13% poor, 40% fair, 41% good, 6% excellent. Small grain condition should improve over State following moisture. Plains rain early week turned to very beneficial wet snow weekend. Colder temperatures may slow growth somewhat. Late week rainfall changed into snow Cross-Timbers, Northern Blacklands, helped replenish soil moisture. Central heavy rains some areas,

should greatly benefit wheat condition when temperatures warm. Oats should now improve from earlier weak stands. Insect pressures decreased with cooler temperatures. Some leaching nitrogen may result areas where heavy rains.

COMMERCIAL VEGETABLES: Rio Grande Valley, rain hampered harvest vegetables; good volumes cabbage, carrots. Demand broccoli light. Early stands melons look good. Planting continued conditions permitted. San Antonio - Winter Garden, rain delayed harvesting carrots, cabbage, broccoli, spinach. Irrigation active before rains, east, spring vegetable planting underway conditions allow.

RANGE AND LIVESTOCK: Ranges, native pastures should improve widespread moisture last week. Grazing small grains should also improve. Producers may reduce supplemental feeding. Livestock remained good condition. Lambing, calving continued. Stock tank levels also improve depending amount of rainfall.

UTAH: Precipitation highly variable, ranging light to heavy mountainous areas and light to moderate elsewhere. Temperatures averaged 50° above normal except Uinta Basin 140° above. Departures ranged from 90° above to 10° below normal.

Colder weather toward end of week prevented early bloom of fruit southwest. Livestock appear good shape, feed supplies appear adequate given relatively mild January. Hay, livestock sales continued slow.

VIRGINIA: Cloudy, wet through most of period. Temperatures averaged 5 to 10° above normal; ranged zero to 71°. Precipitation averaged over 0.50 in. most areas.

Days suitable for fieldwork averaged 1.2. Topsoil moisture 3% short, 47% adequate, 50% surplus. Winter grains good to excellent. Recent wet weather delaying topdressing with nitrogen many areas, other areas topdressing now. Planning for spring crops, preparing taxes, records. Livestock good to excellent condition. Lambing, calving active but nearing completion. Few lamb or calf losses reported. Feed supplies adequate. Other activities: Pruning fruit trees, soil sampling, seed germination test.

WASHINGTON: Rain across State early week. Dry, relatively mild by end of week.

Days suitable for fieldwork 20. Soil moisture 15% short, 85% adequate; range and pasture 75% short, 25% adequate; hay supplies 50% short, 50% adequate. Soil moisture situation improving many counties. Snow cover still present central and northeastern State. Lambing continues; calving has begun. Pruning continued orchards. Potato seed negotiations underway.

WEST VIRGINIA: Temperatures averaged 4 to 17° above normal. Low 20° Circleville; high 72° Creston and Williamson. Average temperature 44°. Precipitation 0.33 to 1.45 in. above normal. Average precipitation 1.46 in.

Days worked 0.5. Soil moisture surplus to adequate. Feed supplies adequate to short.

WISCONSIN: Temperatures near normal most of week, turned cold on weekend. Freezing rain south, south central 3rd and 4th; considerable tree damage and power outages. Snow 3 to 7 in. southeast 5th.

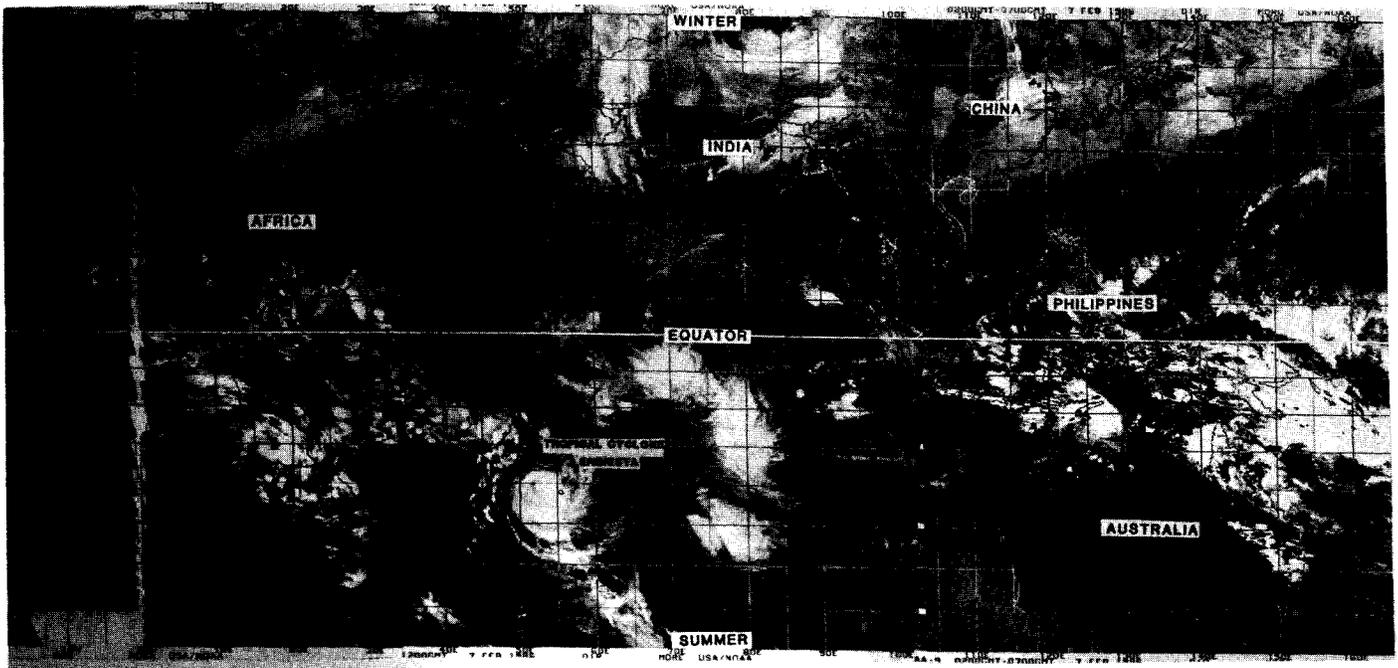
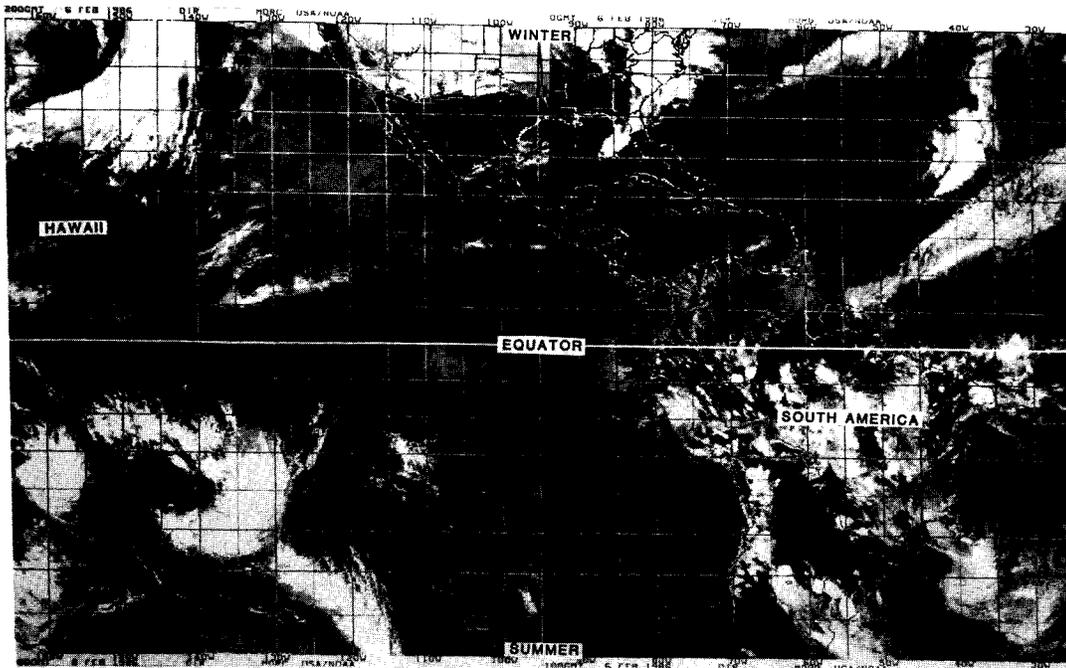
Farm activity limited to feeding, manure spreading.

WYOMING: Temperatures above normal, end of week sharply colder. Precipitation above normal. Snowfall midweek replaced snow cover which melted during January.

Winter wheat good condition. Ranged livestock good condition. Calving, lambing, shearing, supplemental feeding major activities.

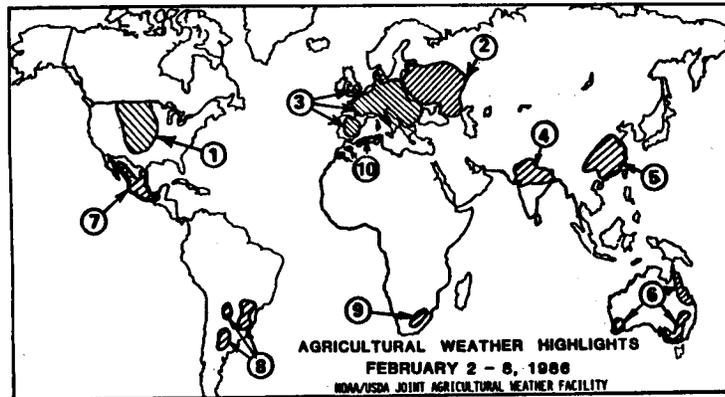
GLOBAL WEATHER SATELLITE IMAGE

February 6-7, 1986



International Weather and Crop Summary

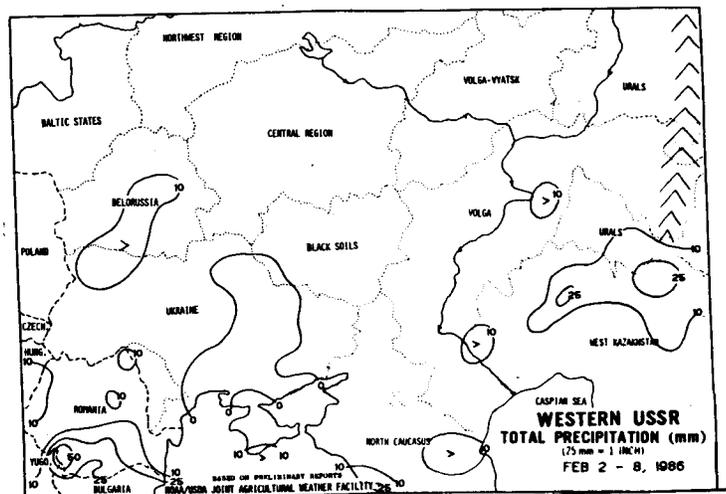
February 2-8, 1986

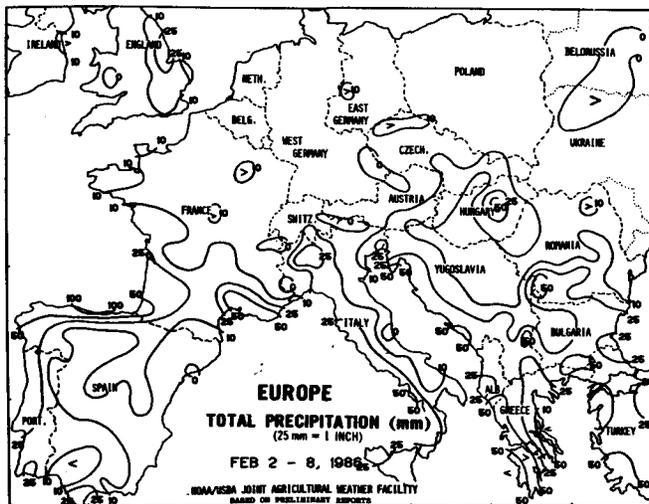


HIGHLIGHTS:

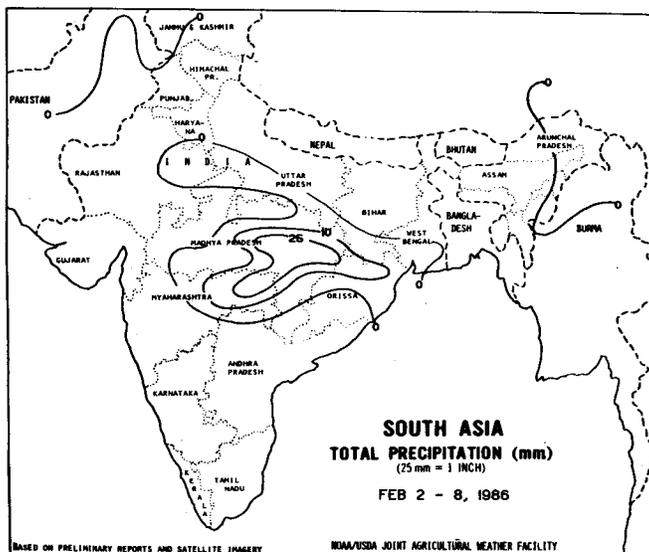
1. **UNITED STATES** ... Snow cover returns to the central Plains and Corn Belt giving some protection to small grains from cold weather. However, snow cover remains inadequate in some areas of the central Plains.
2. **WESTERN USSR** ... Bitter cold follows unseasonable warm weather in late January, stressing winter grains.
3. **EUROPE** ... Unseasonable cold weather covers most winter grain areas. Snow cover reduces the threat of potential winterkill.
4. **SOUTH ASIA** ... Dry weather covers the major wheat belt while irrigation supplies adequate moisture.
5. **EASTERN ASIA** ... Cold weather returns to the winter wheat region while rain in the south improves preplanting moisture for rice.
6. **AUSTRALIA** ... The remnants of Tropical Cyclone Winifred spread moderate to heavy rain over eastern Queensland. Hot weather returns to the summer crop areas late in the week.
7. **MEXICO** ... Light showers in the north and dry weather in the south favors fieldwork.
8. **SOUTH AMERICA** ... Rain in southern Brazil brings some relief from the severe moisture deficit to corn and soybeans. Crop development is extremely variable. Light showers favor Argentina's summer crops.
9. **SOUTH AFRICA** ... The combination of light showers and moderate temperatures maintains adequate moisture for the Maize Triangle.
10. **NORTHWESTERN AFRICA** ... Showers continue in Morocco and Algeria, benefiting winter grains in the vegetative stage. Drought continues in Tunisia.

WESTERN USSR...Cold, arctic air from Siberia moved westward, covering most winter grain areas. In northern crop areas of Belorussia, the Black Soils Region, the Central Region, the Volga Vyatsk, and the Volga Valley, minimum temperatures dropped to around -20C, approaching the threshold for potential winterkill. Snow cover in these areas was likely sufficient to protect the crop. In major winter wheat areas of the Ukraine and North Caucasus, minimum temperatures ranged from -15C to -20C. Snow accompanied the cold weather in the northern North Caucasus and the eastern Ukraine, protecting winter grains. Overall, temperatures did not fall low enough to produce widespread winterkill. However, some areas were more vulnerable, particularly those adjacent to the Black Sea, where some crop growth was reported in January.

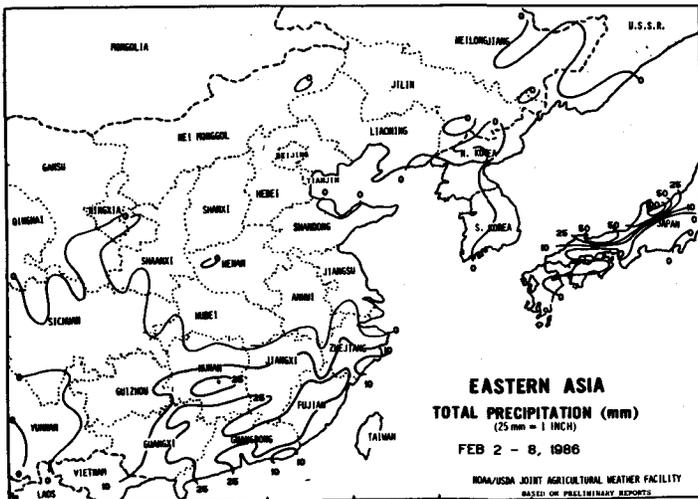




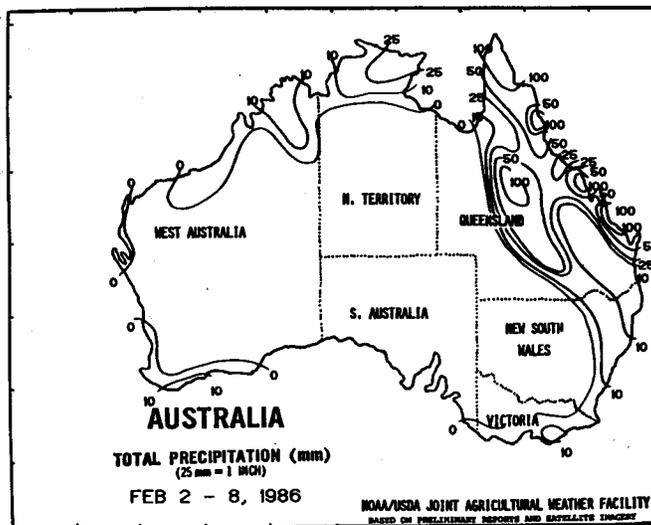
EUROPE...The weather turned unseasonably cold over most European winter grain areas. The coldest weather occurred over Eastern Europe where minimum temperatures in Poland and Czechoslovakia fell to around -20C. Snow cover in these areas reduced the threat of potential winterkill. By week's end, minimum temperatures in France, Belgium, the Netherlands, and West Germany were around -10C. In southeastern Europe, rain and snow covered Romania and Bulgaria, increasing moisture supplies. In Spain, light showers favored winter grains in the vegetative stage. However, unseasonable cold weather slowed crop growth.



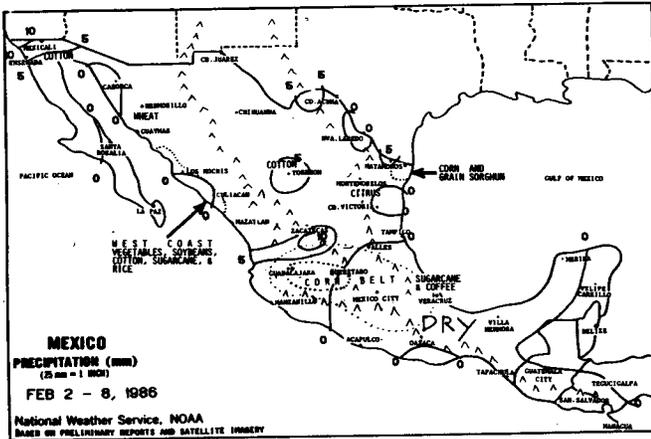
SOUTH ASIA ... Moderate rain (10 to 30mm) fell in eastern Madhya Pradesh late in the week. The moisture was beneficial for the small portion of wheat produced in this region. Most of the major wheat belt from Punjab through Uttar Pradesh was dry. Wheat is entering the grain filling stage with adequate moisture in irrigated areas. Temperatures averaged near normal in northern India.



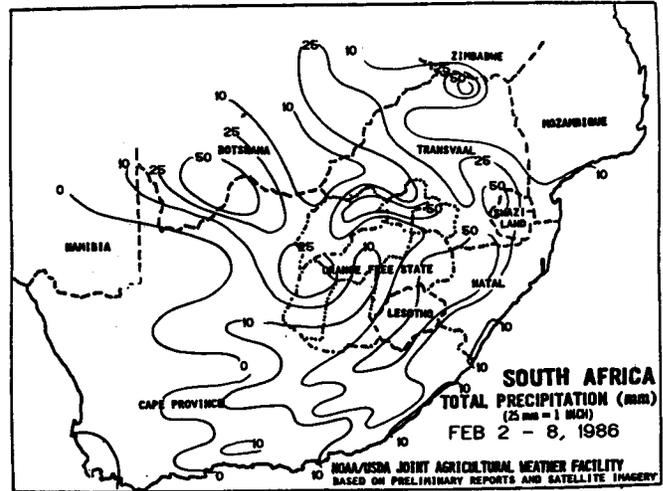
EASTERN ASIA...Temperatures averaged below normal in the North China Plain for the first time since mid-December. Earlier mild winter weather reduced the hardiness of winter wheat, but cold weather this week was not severe enough to significantly damage the crop. The coldest minimum temperatures occurred in Hebei, reaching -15 degrees C. Dry weather continued in the north while favorable showers covered the south. The moisture was very beneficial in Guangdong and Fujian where 25 to 40mm of rain improved preplanting conditions for early rice.



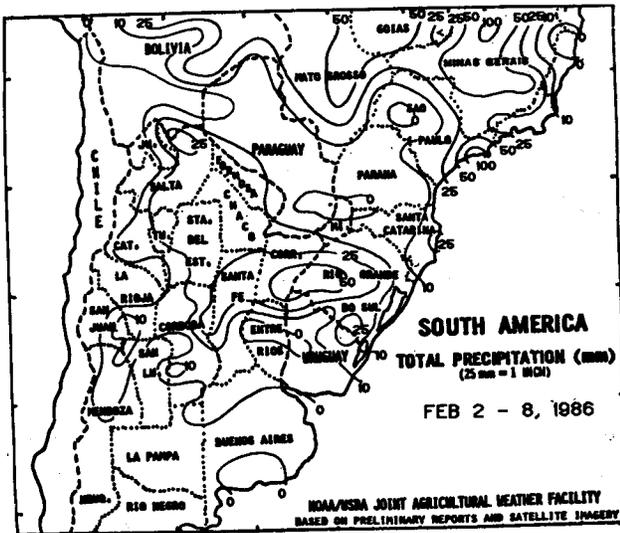
AUSTRALIA...Moderate to heavy rain from the remnants of Tropical Cyclone Winifred fell in much of eastern Queensland early in the week. Winds diminished as the cyclone dissipated over land. Most of the damage to sugarcane occurred last weekend from strong wind. Light showers extended into the cotton and sorghum areas. Rainfall amounts totaled about 1 to 10mm in southeastern Queensland and northeastern New South Wales. Temperatures generally averaged below normal, but hot weather returned by the end of the week. Maximum temperatures reached 38 to 40 degrees C in New South Wales, Victoria, and South Australia.



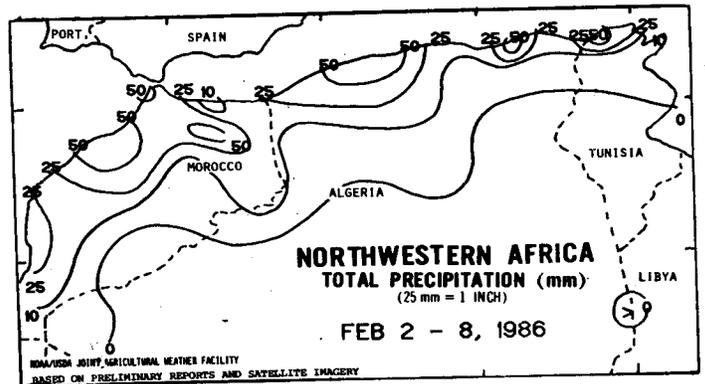
MEXICO...Light showers fell again over northern Mexico, but weekly totals were mostly less than 5mm. Mostly dry weather covered southern Mexico. Weekly temperatures generally averaged slightly below normal except along the east coast and extreme southern portions of the country where warm weather prevailed. The weather favored sugarcane harvesting in the east and vegetable fieldwork in most all areas.



SOUTH AFRICA...Moderate to heavy rain (25 to 75mm) covered much of eastern South Africa. The rain benefited corn in the eastern Maize Triangle. Variable rain fell in the central and western Maize Triangle. As much as 40mm of rain favored corn in the West Transvaal; however, much of the west received only 5 to 15mm of rain. Temperatures averaged below normal, maintaining relatively low evapotranspiration rates. The moderate temperatures and light showers were likely supplying adequate moisture for corn in the reproductive and early grain filling stages.



SOUTH AMERICA...Weather systems continued to move through Brazil's center-south, bringing more rain to the moisture-deficient corn and soybean areas. Weekly rainfall generally averaged 25 to 65mm in southwestern Rio Grande do Sul, Mato Grosso do Sul, Goias, and Minas Gerais. The latter two states have recently been well supplied with moisture while the remainder of southern Brazil is only beginning to get relief from the severe moisture deficit. Weekly rainfall was generally light in southern Sao Paulo and Parana. Crop development is extremely variable and growth has been severely impeded by drought in the south. In Argentina, light showers (mostly less than 10mm) fell in the primary summer crop areas of southern Santa Fe, Cordoba, and Buenos Aires. Heavier rain (15 to 25mm) benefited northern sorghum and cotton. Weekly temperatures generally averaged near normal in Brazil's center-south, and slightly above normal in Argentina.



NORTHWESTERN AFRICA ...Widespread showers (25 to 50mm) over Morocco and western Algeria continued to benefit winter grains in the vegetative stage. Winter grains in eastern Algeria received only light rain, but soil moisture was probably adequate to meet crop moisture requirements. In Tunisia, showers fell over the extreme northern edge of the winter grain area, while drought continued in central and southern crop areas.

The Weekly Weather and Crop Bulletin (ISSN 0043-1974) is published weekly and jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the Weekly Chronicle. It is issued under general authority of the Act of January 12, 1895 (44-USA 213), 53d Congress, 3d Session. NOAA is responsible for managing, printing, and distributing the bulletin. The contents may be reprinted freely, with proper credit.

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service/Climate Analysis Center
Managing Editor (Acting) Lyle Denny
Meteorologists Tom Heddinghaus
Ray McInturff, Jim Williams, Wes Byrd, and
Brian Jackson

Annual subscriptions: domestic \$25, foreign \$33 (in U.S. funds by international money order or check drawn on U.S. bank) payable to U.S. Department of Commerce, NOAA. POSTMASTER: Send address changes to NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 5844, Washington, D.C. 20250. Order subscriptions from the office and address listed above. Second class postage paid at Washington, D.C. and additional mailing offices.

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U.S. DEPARTMENT OF AGRICULTURE
Economics Management Staff
Editor Sharon Lee
Statistical Reporting Service
Agricultural Statistician Clif James
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Heating Degree Days (Base 65° F.)

January 1986

ALA. Birmingham 898	MAINE, Caribou 1642	OKLA. Okla. City 656
Mobile 469	Portland 1235	Tulsa 680
Montgomery 109	St. Albans 980	OKM. Astoria 551
Anda, Anchorage 2485	Watsonville 1006	Medford 1424
Fairbanks 2079	MICH. Alpena 1441	Pendleton 898
Kome 1858	Detroit 1271	Portland 691
ANIZ. Flagstaff 962	Flint 1338	Salem 668
Phoenix 110	Grand Rapids 1301	St. Albans 1098
Tucson 192	Lansing 1330	St. Louis 1038
Yuma 77	Marquette 1564	St. Paul 1038
ARK. Fort Smith 731	S. Ste. Marie 1620	PA. Allentown 990
Little Rock 870	INTERNAT. Falls 1773	Philadelphia 1131
CALIF. Bakersfield 369	INTERNAT. Falls 1773	Pittsburgh 1045
Yuba 348	Keosauqua 1515	R.I. Providence 1085
Yuba 45	MISS. Jackson 1559	S. Dak. Aberdeen 781
ARK. Fort Smith 731	St. Cloud 606	Columbia 731
CALIF. Bakersfield 369	Meridian 644	Greenville 783
Yuba 348	MO. Columbia 964	Huron 1412
Yuba 45	St. Louis 820	Lapid City 1083
ARK. Fort Smith 731	Springfield 920	Sioux Falls 1412
CALIF. Bakersfield 369	MONT. Billings 874	TEXM. Chattanooga 781
Yuba 348	Glasgow 1324	Memphis 704
Yuba 45	Great Falls 872	Nashville 854
ARK. Fort Smith 731	Helena 1218	TEX. Adilene 522
CALIF. Bakersfield 369	Killebrew 1238	Chico 338
Yuba 348	Miles City 1151	Austin 338
Yuba 45	Misoula 1205	Beaumont 354
ARK. Fort Smith 731	MSR. Grand Island 820	Brownsville 153
CALIF. Bakersfield 369	North Platte 1029	Corpus Christi 285
Yuba 348	Omaha 1182	El Paso 370
Yuba 45	Valentine 942	Fort Worth 485
ARK. Fort Smith 731	Waco 809	Houston 328
CALIF. Bakersfield 369	Winnemucca 1285	Lubbock 631
Yuba 348	N.J. Atlantic City 727	Midland 578
Yuba 45	N.MEX. Albuquerque 1206	San Antonio 354
ARK. Fort Smith 731	Birmingham 1215	Victoria 276
CALIF. Bakersfield 369	Buffalo 955	Waco 443
Yuba 348	New York 1235	Wichita Falls 582
Yuba 45	Rochester 1266	Wichita Falls 582
ARK. Fort Smith 731	Syracuse 795	WICH. Hilo 137
CALIF. Bakersfield 369	Charlotte 857	W. Burlington 1438
Yuba 348	Greensboro 618	VA. Lynchburg 904
Yuba 45	Hatteras 812	Norfolk 780
ARK. Fort Smith 731	Wilmington 537	Richmond 886
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CALIF. Bakersfield 369	Wilmington 1585	Wichita Falls 1051
Yuba 348	Wilmington 1585	Wichita Falls 1051
Yuba 45	Wilmington 1585	Wichita Falls 1051
ARK. Fort Smith 731	Wilmington 1585	Wichita Falls 1051
CALIF. Bakersfield 369	Wilmington 1585	Wichita Falls 1051
Yuba 348	Wilmington 1585	Wichita Falls 1051
Yuba 45	Wilmington 1585	Wichita Falls 1051
ARK. Fort Smith 731	Wilmington 1585	Wichita Falls 1051
CALIF. Bakersfield 369	Wilmington 1585	Wichita Falls 1051
Yuba 348	Wilmington 1585	Wichita Falls 1051
Yuba 45	Wilmington 1585	Wichita Falls 1051
ARK. Fort Smith 731	Wilmington 1585	Wichita Falls 1051
CALIF. Bakersfield 369	Wilmington 1585	Wichita Falls 1051
Yuba 348	Wilmington 1585	Wichita Falls 1051
Yuba 45	Wilmington 1585	Wichita Falls 1051
ARK. Fort Smith 731	Wilmington 1585	Wichita Falls 1051
CALIF. Bakersfield 369	Wilmington 1585	Wichita Falls 1051
Yuba 348	Wilmington 1585	Wichita Falls 1051
Yuba 45	Wilmington 1585	Wichita Falls 1051
ARK. Fort Smith 731	Wilmington 1585	Wichita Falls 1051
CALIF. Bakersfield 369	Wilmington 1585	Wichita Falls 1051
Yuba 348	Wilmington 1585	Wichita Falls 1051
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