

WEEKLY WEATHER AND CROP BULLETIN

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

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service and
World Agricultural Outlook Board

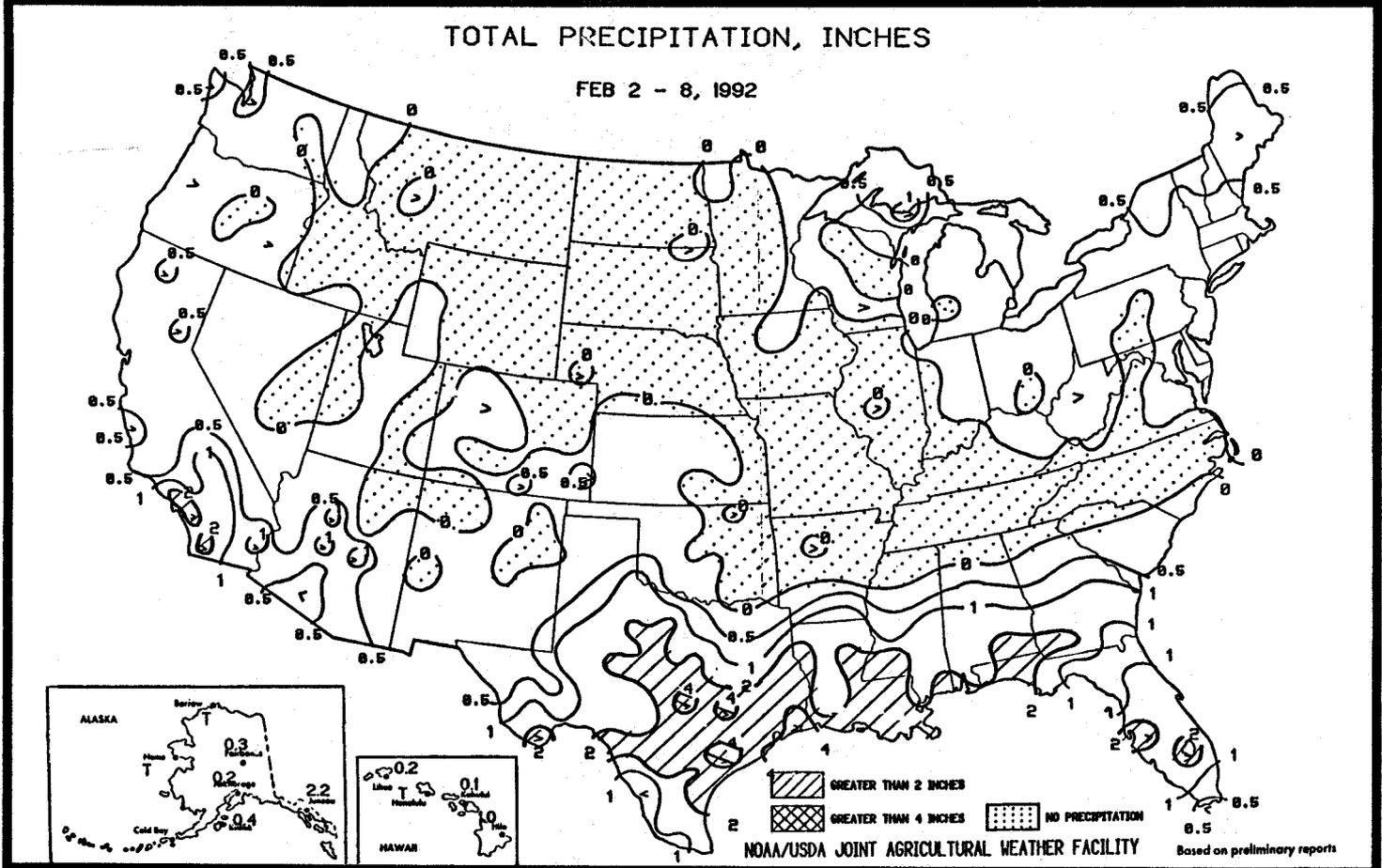
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February 11, 1992

TOTAL PRECIPITATION, INCHES

FEB 2 - 8, 1992



HIGHLIGHTS

February 2 - 8, 1992

Rain again soaked the Gulf Coast States, and storminess increased in California. Temperatures continued to average above normal across most of the Nation. During the first half of the week, a powerful storm crept eastward along the Gulf coast, engendering or renewing flooding in parts of eastern Texas and southern Louisiana. In Texas, the Colorado, Guadalupe, and Trinity Rivers breached their banks as the 1-day rainfall reached 7 inches in Killeen, 4 inches in Galveston, and 3 inches in Victoria. Farther east, strong thunderstorms thrashed peninsular Florida. Early-week temperatures soared in the Northwestern and Central States. Readings of 70° F in Concordia, KS, and 68° F in Burlington, IA, were among the 30 daily records set. But in New England, snow accompanied seasonably cold weather, with accumulations topping 1 foot in interior Maine. By Thursday, rain arrived in southern California. Though rainfall approached 3 inches in the mountains north of Los Angeles, northern California received only light

showers. At week's end, an infusion of cold air lowered temperatures to seasonable levels in the North Central States and fueled snow squalls downwind of the Great Lakes. Elsewhere, the Gulf coast welcomed drier weather, and California awaited the passage of an approaching storm.

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National Weather Data for Selected Cities

Weather Data for the Week Ending February 8, 1992

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	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	61	33	68	23	47	3	.3	-.8	.3	7.7	68	4.1	63	84	25	0	4	1	0	0	
MOBILE	62	41	68	31	52	0	2.6	1.5	2.2	15.6	139	12.5	214	93	49	0	1	2	1	1	
MONTGOMERY	20	10	68	29	48	0	1.4	.3	1.2	14.7	145	9.1	171	90	33	0	3	2	2	2	
AK ANCHORAGE	21	10	27	-1	16	0	.2	-.6	.1	3.2	155	1.4	138	97	83	0	7	3	0	0	
BARROW	-23	-33	-13	-38	-28	-10	T	-.1	T	.1	16	T	13	76	62	0	7	0	0	0	
FAIRBANKS	-5	-21	10	-34	-13	-6	.3	-.2	.1	2.2	155	1.1	170	80	67	0	7	1	0	0	
JUNEAU	39	32	41	28	36	9	2.4	1.5	.9	20.1	215	11.1	234	99	84	0	3	4	3	3	
KODIAK	33	20	38	10	26	-4	.4	-1.0	.4	15.3	119	9.5	129	91	57	0	7	1	0	0	
NOME	-1	-19	29	-27	-10	-14	.4	-.2	.3	1.2	77	.7	78	83	65	0	7	2	0	0	
AZ PHOENIX	71	55	75	50	63	8	.4	-.2	.3	3.6	215	2.0	233	75	39	0	0	3	3	0	
PRESCOTT	55	31	60	27	43	3	.8	-.6	.7	3.8	166	2.1	175	81	40	0	4	2	1	1	
TUCSON	69	49	73	45	59	6	.7	-.5	.5	3.4	175	1.9	195	88	38	0	0	3	0	0	
YUMA	75	56	79	53	66	7	.6	-.5	.5	1.5	197	1.0	213	60	30	0	0	2	0	0	
AR FORT SMITH	59	36	68	28	48	8	.0	-.5	.0	5.9	112	1.4	59	86	34	0	2	0	0	0	
LITTLE ROCK	56	37	66	29	47	5	.0	-.9	.0	5.7	62	1.9	37	66	35	0	1	0	0	0	
CA BAKERSFIELD	64	42	76	33	53	1	-.2	-.1	.1	2.1	108	1.7	136	94	49	0	0	2	0	0	
EUREKA	61	42	67	39	52	3	-.1	-1.3	.1	6.1	41	4.1	47	87	64	0	0	1	0	0	
FRESNO	62	42	70	33	52	3	-.2	-.3	.1	3.3	80	2.1	81	94	53	0	0	2	0	0	
LOS ANGELES	68	53	77	50	61	4	1.4	.7	.8	5.8	108	3.0	77	79	42	0	0	3	2	2	
REDDING	66	38	70	30	52	2	-.1	-1.6	.1	9.4	53	4.3	41	91	36	0	2	1	0	0	
SACRAMENTO	61	41	68	32	51	2	.3	-.5	.1	3.2	41	1.6	33	99	56	0	2	3	0	0	
SAN DIEGO	69	53	76	48	61	3	1.2	-.8	1.2	4.7	122	3.0	119	83	50	0	0	2	1	0	
SAN FRANCISCO	61	46	66	40	53	3	-.2	-.8	.1	5.3	58	2.6	46	95	56	0	0	2	0	0	
CO DENVER	46	25	58	21	35	3	T	-.1	T	1.4	117	1.2	182	81	34	0	7	0	0	0	
GRAND JUNCTION	42	22	47	16	32	1	T	-.1	T	.8	59	.3	32	89	47	0	7	1	0	0	
PUEBLO	46	23	58	16	35	1	-.2	.1	.2	.8	125	.2	74	84	37	0	6	1	0	0	
CT BRIDGEPORT	36	24	38	19	30	1	-.1	-.6	.1	6.3	81	2.0	49	64	41	0	7	2	0	0	
HARTFORD	34	17	37	11	26	0	.1	-.7	.1	5.8	68	2.8	64	67	32	0	7	2	0	0	
DC WASHINGTON	47	28	57	24	37	2	T	-.6	T	7.9	120	2.8	82	87	37	0	7	1	0	0	
FL APALACHICOLA	63	46	69	39	55	1	1.6	.7	1.5	9.4	117	7.9	173	93	55	0	0	3	1	1	
DAYTONA BEACH	68	45	75	39	57	-1	1.0	.3	1.0	5.0	91	3.4	107	95	49	0	0	2	1	1	
JACKSONVILLE	64	41	74	34	52	-2	.5	-.4	.3	6.9	108	6.3	161	96	46	0	0	3	0	0	
KEY WEST	73	64	76	60	69	-1	.3	-.2	.3	1.3	33	.6	27	85	60	0	0	2	0	0	
MIAMI	74	59	78	54	67	-1	.7	.1	.5	2.7	59	2.5	93	87	52	0	0	3	1	1	
ORLANDO	70	49	76	45	59	-1	1.4	.7	1.4	3.0	61	2.7	92	97	46	0	0	1	1	1	
TALLAHASSEE	63	38	72	29	51	-1	.9	-.3	.5	9.0	85	7.4	124	95	45	0	2	2	0	0	
TAMPA	69	49	76	43	59	-1	2.2	1.5	2.0	4.3	85	3.6	125	93	54	0	0	4	1	1	
WEST PALM BEACH	72	56	76	50	64	-1	1.1	.4	1.0	4.1	72	2.8	79	89	55	0	0	2	1	0	
GA ATLANTA	61	37	71	30	49	6	-.2	-.9	.2	6.5	63	3.8	62	64	21	0	2	1	0	0	
AUGUSTA	62	31	73	22	47	1	.4	-.6	.2	7.5	91	4.9	97	90	28	0	4	2	0	0	
MACON	61	35	72	28	48	0	1.0	-.1	.6	10.6	111	7.0	127	96	41	0	3	2	1	1	
SAVANNAH	61	38	73	32	49	-1	.8	.0	.7	9.1	135	7.4	186	88	38	0	1	2	1	1	
HI HILO	76	63	79	60	69	-2	1.0	-.3	.3	17.4	67	2.3	18	86	53	0	0	5	0	0	
HONOLULU	78	64	82	61	71	-1	T	-.7	T	1.7	21	.4	9	77	44	0	0	0	0	0	
KAHULUI	76	62	79	57	69	-3	-.1	-.7	.1	3.9	51	2.5	50	89	52	0	0	2	0	0	
LIHUE	74	64	76	58	69	-3	.2	-.8	.1	8.4	65	1.4	18	82	54	0	0	2	0	0	
ID BOISE	47	25	50	21	36	2	T	-.3	T	.7	22	.4	19	91	44	0	7	0	0	0	
LEWISTON	45	29	51	26	37	0	.0	-.3	.0	1.1	37	.7	42	93	58	0	6	0	0	0	
POCATELLO	48	17	52	11	33	5	T	-.2	T	.5	20	.2	16	90	34	0	6	0	0	0	
IL CHICAGO	42	24	59	11	33	10	T	-.2	T	4.5	105	.9	48	95	60	0	7	1	0	0	
MOLINE	42	23	60	14	33	10	T	-.3	T	3.0	78	1.2	61	88	56	0	7	0	0	0	
PEORIA	44	24	63	12	34	10	T	-.3	T	3.1	79	1.1	55	92	52	0	7	0	0	0	
QUINCY	46	26	66	13	36	10	T	-.3	T	2.4	71	.5	27	86	51	0	6	0	0	0	
ROCKFORD	39	22	54	12	30	10	T	-.3	T	2.9	82	1.1	66	87	56	0	7	0	0	0	
SPRINGFIELD	47	27	65	16	37	10	T	-.3	T	2.4	60	1.1	54	91	50	0	6	2	0	0	
IN EVANSVILLE	47	26	64	17	36	4	T	-.7	T	4.6	64	.9	23	90	44	0	7	0	0	0	
FORT WAYNE	40	23	49	16	31	7	T	-.4	T	3.8	75	1.7	66	93	60	0	7	1	0	0	
INDIANAPOLIS	45	25	62	19	35	7	T	-.6	T	2.9	46	1.4	44	89	48	0	7	1	0	0	
SOUTH BEND	40	23	51	16	32	7	.4	-.1	.3	3.7	63	2.1	68	94	61	0	7	2	0	0	
IA DES MOINES	45	24	64	12	35	13	T	-.2	T	3.2	141	1.0	79	89	46	0	7	0	0	0	
SIOUX CITY	45	23	65	13	34	14	T	-.2	T	1.5	92	.6	71	89	45	0	7	0	0	0	
WATERLOO	37	23	48	10	30	13	T	-.2	T	2.6	123	1.1	107	90	66	0	6	0	0	0	
KS CONCORDIA	48	28	70	17	38	9	T	-.1	T	2.4	164	.8	100	86	43	0	5	1	0	0	
DODGE CITY	49	30	60	18	39	6	-.2	.1	.1	2.7	260	.6	110	89	49	0	5	2	0	0	
GOODLAND	46	27	59	19	36	6	.3	-.2	.3	1.8	222	.5	107	92	49	0	5	2	0	0	
TOPEKA	50	28	70	18	39	9	T	-.2	T	3.3	139	.9	79	85	47	0	6	0	0	0	
WICHITA	52	32	66	21	42	9	T	-.2	T	2.7	152	.7	81	86	47	0	5	0	0	0	
KY BOWLING GREEN	51	27	62	20	39	3	T	-.1	T	9.3	91	2.2	39	89	40	0	7	0	0	0	
LEXINGTON	48	26	61	20	37	5	T	-.7	T	10.9	132	3.7	82	83	43	0	7	1	0	0	
LOUISVILLE	51	28	66	24	39	6	T	-.7	T	7.2	94	2.0	47	79	36	0	7	0	0	2	
LA ALEXANDRIA	57	41	64	32	49	-2	1.7	.6	1.1	15.7	148	8.7	151	88	49	0	1	3	2	1	
BATON ROUGE	61	43	68	32	52	0	2.5	1.3	2.3	14.6	133	12.2	204	90	48	0	1	2	1	1	
LAKE CHARLES	60	44	67	38	52	1	2.0	1.1	1.5	15.2	142	13.0	231	94	57	0	0	3	1	1	
NEW ORLEANS	61	45	65	38	53	0	3.4	2.1	3.0	16.0	137	13.4	208	91	58	0	0	2	1	1	

Based on 1951-80 normals.

Weather Data for the Week Ending February 8, 1992

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	MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE		
SHREVEPORT	59	40	64	33	49	1	1.9	1.0	1.0	14.0	157	6.5	129	87	40	0	0	0	0	2	2	
ME CARIBOU	17	3	20	-7	10	0	1.4	-1.1	-.2	6.4	106	4.4	148	81	62	0	0	0	7	3	0	
PORTLAND	28	13	33	0	20	-1	1.6	-1.3	-.3	9.6	103	5.5	116	80	44	0	0	0	7	4	0	
MD BALTIMORE	43	23	51	18	33	3	1.4	-.7	-.1	5.4	75	1.3	34	83	41	0	0	0	7	1	0	
SALISBURY	45	24	56	20	35	0	1.1	-.7	-.1	6.2	77	1.9	45	85	44	0	0	0	7	1	0	
MA BOSTON	32	21	37	16	27	-3	1.1	-.8	-.1	5.9	62	3.3	65	67	40	0	0	0	7	3	0	
CHATHAM	33	24	37	19	28	-2	1.4	-.7	-.3	5.2	49	2.0	36	81	55	0	0	0	7	3	0	
MI ALPENA	29	15	35	4	22	5	1.1	-.3	-.0	3.2	80	1.8	86	94	66	0	0	0	7	3	0	
DETROIT	35	19	42	12	27	3	1.1	-.4	-.1	3.7	77	1.8	79	89	57	0	0	0	7	2	0	
FLINT	35	19	42	10	27	5	1.1	-.3	-.1	3.4	86	1.2	63	91	61	0	0	0	7	1	0	
GRAND RAPIDS	37	22	45	17	30	7	1.1	-.4	-.1	4.2	84	1.5	64	92	59	0	0	0	7	0	0	
HOUGHTON LAKE	31	18	42	4	25	8	1.1	-.2	-.0	3.1	84	1.4	74	91	61	0	0	0	7	3	0	
LANSING	36	20	42	6	28	8	1.1	-.2	-.1	3.6	82	1.5	76	91	57	0	0	0	7	2	0	
MARQUETTE	29	13	42	3	21	9	1.1	-.5	-.4	3.7	75	2.2	88	91	73	0	0	0	7	4	0	
MUSKEGON	36	23	46	16	30	7	1.1	-.3	-.0	3.3	60	1.5	51	96	61	0	0	0	6	2	0	
SAULT ST. MARIE	24	9	32	-11	16	4	1.2	-.2	-.1	5.6	107	3.1	115	85	65	0	0	0	7	3	0	
MN ALEXANDRIA	30	17	43	-2	24	15	1.2	-.2	-.1	1.6	87	.9	90	94	69	0	0	0	7	0	0	
DULUTH	27	15	43	-5	21	12	1.2	-.2	-.1	1.2	46	.6	45	91	65	0	0	0	7	1	0	
INT'L FALLS	23	9	32	-18	16	13	1.2	-.1	-.1	1.8	90	.8	78	93	69	0	0	0	7	2	0	
MINNEAPOLIS	33	20	42	5	27	12	1.2	-.2	-.1	1.7	95	.7	68	88	60	0	0	0	7	1	0	
ROCHESTER	32	20	39	4	26	13	1.2	-.1	-.1	2.6	137	1.1	111	91	64	0	0	0	7	2	0	
MS GREENWOOD	56	35	71	28	46	0	1.1	-1.0	-.1	10.0	84	1.6	25	90	37	0	0	0	2	2	1	
JACKSON	59	36	69	27	48	1	1.0	-1.1	-.9	10.5	91	5.3	85	91	39	0	0	0	1	2	1	
MERIDIAN	59	36	69	28	48	1	1.3	-.2	-.1	13.2	111	6.3	102	93	39	0	0	0	2	3	1	
MO CAPE GIRARDEAU	50	30	69	22	40	1	1.3	-.7	-.1	7.4	100	2.3	64	88	41	0	0	0	5	0	0	
COLUMBIA	49	27	68	17	38	7	1.3	-.4	-.1	3.2	77	.5	24	84	46	0	0	0	5	0	0	
KANSAS CITY	47	28	69	14	38	7	1.3	-.3	-.0	3.3	112	1.2	82	89	50	0	0	0	5	0	0	
SAINT LOUIS	50	31	67	20	40	9	1.3	-.5	-.1	3.2	72	1.1	49	78	39	0	0	0	4	0	0	
SPRINGFIELD	51	30	66	19	41	7	1.3	-.4	-.0	4.3	92	.9	42	89	41	0	0	0	5	0	0	
MT BILLINGS	50	25	57	17	37	11	1.3	-.2	-.1	4	21	.1	8	69	29	0	0	0	7	0	0	
GLASGOW	43	19	55	12	31	19	1.3	-.1	-.1	4	50	.2	52	88	42	0	0	0	7	0	0	
GREAT FALLS	48	22	57	11	35	10	1.3	-.2	-.1	6	28	.5	40	70	32	0	0	0	6	0	0	
HAVRE	45	16	58	7	31	13	1.3	-.1	-.1	1	4	.3	3	80	40	0	0	0	7	0	0	
HELENA	41	18	48	13	29	6	1.3	-.1	-.1	1.1	77	.3	38	90	45	0	0	0	7	1	0	
KALISPELL	41	21	48	17	31	7	1.3	-.2	-.1	1.9	54	1.3	64	95	55	0	0	0	7	1	0	
MILES CITY	48	19	58	13	34	15	1.3	-.1	-.0	1	10	.1	9	82	35	0	0	0	7	0	0	
MISSOULA	39	21	47	15	30	4	1.3	-.2	-.1	1.3	47	.4	24	92	57	0	0	0	7	0	0	
NE GRAND ISLAND	47	23	66	11	35	10	1.3	-.2	-.1	3.5	265	1.4	209	85	39	0	0	0	5	0	0	
LINCOLN	47	24	68	13	36	12	1.3	-.2	-.1	3.4	223	1.4	159	86	38	0	0	0	6	0	0	
NORFOLK	46	21	66	11	33	12	1.3	-.2	-.1	1.4	111	.6	94	89	41	0	0	0	7	0	0	
NORTH PLATTE	47	21	52	12	34	9	1.3	-.1	-.1	1.6	175	.9	182	89	38	0	0	0	7	0	0	
OMAHA	44	26	66	10	35	10	1.3	-.2	-.1	3.0	176	1.3	140	81	54	0	0	0	5	0	0	
SCOTTSBLUFF	49	20	58	14	34	6	1.3	-.1	-.0	.8	81	.8	150	87	30	0	0	0	7	0	0	
VALENTINE	45	19	56	9	32	11	1.3	-.1	-.0	.5	72	.5	138	90	40	0	0	0	7	0	0	
NV ELY	46	20	50	16	33	6	1.3	-.2	-.1	.8	49	.5	58	83	44	0	0	0	7	0	0	
LAS VEGAS	61	44	68	39	53	5	1.4	-.3	-.4	1.1	123	.9	141	65	35	0	0	0	0	1	0	
RENO	50	25	56	17	38	2	1.4	-.2	-.1	1.1	40	.2	11	89	36	0	0	0	5	2	0	
WINNEMUCCA	51	25	55	15	38	4	1.4	-.2	-.1	.8	39	.1	11	89	43	0	0	0	5	1	0	
NH CONCORD	28	14	32	7	21	1	1.4	-.6	-.1	5.6	81	2.0	58	74	40	0	0	0	7	2	0	
NJ ATLANTIC CITY	41	20	45	14	30	-2	1.4	-.7	-.1	4.8	60	1.0	23	81	44	0	0	0	7	3	0	
NM ALBUQUERQUE	51	33	55	23	42	4	1.4	-.0	-.1	2.2	222	.6	131	77	37	0	0	0	3	2	0	
CLOVIS	50	32	57	24	41	2	1.4	-.1	-.1	4.8	417	2.0	344	94	49	0	0	0	4	2	0	
ROSWELL	53	34	59	24	44	2	1.4	-.0	-.1	3.6	420	1.0	200	85	42	0	0	0	3	2	0	
NY ALBANY	32	12	38	4	22	1	1.4	-.4	-.1	4.9	83	2.0	68	79	42	0	0	0	3	2	0	
BINGHAMTON	30	16	36	13	23	2	1.4	-.4	-.1	4.6	76	1.8	58	90	53	0	0	0	7	2	0	
BUFFALO	33	18	42	12	26	2	1.4	-.4	-.1	6.1	85	2.2	61	93	58	0	0	0	7	4	0	
NEW YORK	38	27	43	23	33	1	1.4	-.5	-.2	5.1	67	1.6	40	70	41	0	0	0	7	2	0	
ROCHESTER	32	18	39	11	25	2	1.4	-.3	-.2	4.7	85	1.8	61	92	57	0	0	0	7	3	0	
SYRACUSE	31	16	36	9	23	1	1.4	-.3	-.2	6.1	94	3.0	91	88	58	0	0	0	7	3	0	
NC ASHEVILLE	58	28	67	23	43	5	1.4	-.7	-.0	7.9	111	3.1	77	71	19	0	0	0	6	0	0	
CHARLOTTE	59	34	70	26	46	5	1.4	-.9	-.0	6.3	77	3.3	68	59	20	0	0	0	2	0	0	
GREENSBORO	56	30	68	21	43	5	1.4	-.8	-.0	6.3	81	3.5	80	61	21	0	0	0	5	0	0	
HATTERAS	52	36	64	29	44	-1	1.4	-.8	-.1	9.1	87	4.6	77	85	50	0	0	0	3	2	0	
NEW BERN	56	33	71	27	44	0	1.4	-1.0	-.1	9.9	111	7.0	136	86	34	0	0	0	4	0	0	
RALEIGH	56	31	70	27	43	3	1.4	-.9	-.0	6.4	84	3.8	84	67	24	0	0	0	6	0	0	
WILMINGTON	58	35	69	28	46	0	1.4	-.8	-.0	8.0	99	5.8	126	80	30	0	0	0	2	2	0	
ND BISMARCK	38	20	48	7	29	18	1.4	-.1	-.1	5	43	.3	51	92	56	0	0	0	7	0	0	
FARGO	31	18	43	2	25	17	1.4	-.1	-.1	1.3	99	.9	137	92	72	0	0	0	7	0	0	
GRAND FORKS	31	17	44	-2	24	18	1.4	-.1	-.1	.9	61	.6	67	90	67	0	0	0	7	1	0	
WILLISTON	40	18	52	7	29	18	1.4	-.1	-.1	.7	58	.5	75	94	55	0	0	0	7	0	0	
OH AKRON-CANTON	36	20	45	13	28	3	1.4	-.4	-.1	5.4	93	2.1	66	92	60	0	0	0	7	3	0	
CINCINNATI	46	26	60	19	36	6	1.4	-.6	-.1	8.1	119	3.0	78	86	48	0	0	0	7	1	0	
CLEVELAND	37	21	46	14	29	3	1.4	-.4	-.1	5.8	100	3.5	116	94	55	0	0	0	7	3	0	
COLUMBUS	42	24	52	16	33	5	1.4	-.5	-.1	5.6	95	1.8	54	86	51	0	0	0	7	1	0	

Based on 1951-80 normals.

Weather Data for the Week Ending February 8, 1992

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		
																			.01 INCH OR MORE	.50 INCH OR MORE	
DAYTON	41	24	54	18	33	5	T	.5	6.7	120	3.1	98	87	55	0	7	7	2	0		
TOLEDO	37	19	42	14	28	4	T	.5	3.3	64	1.8	72	93	55	0	7	7	2	0		
YOUNGSTOWN	36	19	47	11	28	4	T	.4	4.9	81	2.3	71	89	57	0	7	7	2	0		
OK OKLAHOMA CITY	55	36	66	27	46	7	T	.3	6.5	266	1.2	89	88	44	0	4	4	0	0		
TULSA	55	37	68	27	46	8	T	.4	5.1	143	.5	28	79	42	0	3	3	0	0		
OR ASTORIA	47	35	61	30	46	3	T	.3	16.7	67	10.1	77	67	58	0	3	3	0	0		
BURNS	55	21	50	16	33	1	T	.0	.5	13	.3	17	91	45	0	1	1	1	0		
MEDFORD	59	27	65	24	43	1	T	.6	2.1	28	1.0	25	97	42	0	7	7	0	0		
PENDLETON	44	29	58	26	37	2	T	.6	1.2	33	.6	27	89	66	0	7	7	0	0		
PORTLAND	55	33	60	29	44	2	T	.1	9.0	65	4.7	63	98	53	0	3	3	0	0		
SALEM	54	31	60	28	43	1	T	.1	8.8	56	5.0	59	94	59	0	7	7	1	0		
PA ALLENTOWN	39	22	42	17	31	3	T	.7	5.3	67	1.8	42	74	37	0	7	7	0	0		
ERIE	36	20	46	10	28	4	T	.4	5.9	95	2.7	93	90	58	0	7	7	3	0		
HARRISBURG	41	25	47	19	33	3	T	.7	4.5	65	1.6	44	73	37	0	7	7	1	0		
PHILADELPHIA	42	25	46	21	34	2	T	.6	4.8	66	1.0	24	70	37	0	7	7	1	0		
PITTSBURGH	38	20	48	14	29	2	T	.1	5.9	97	2.2	63	91	53	0	7	7	2	0		
SCRANTON	35	18	39	12	26	1	T	.5	4.0	76	1.3	47	84	43	0	7	7	2	0		
RI PROVIDENCE	35	20	38	15	27	-1	T	.2	8.2	85	5.0	98	70	36	0	7	7	2	0		
SC CHARLESTON	60	38	70	34	49	1	T	.4	7.0	96	5.4	128	84	30	0	0	0	2	0		
COLUMBIA	61	33	73	24	47	1	T	.1	5.9	66	3.3	60	83	24	0	5	5	1	0		
FLORENCE	60	36	71	27	48	2	T	.1	5.7	77	3.7	83	76	25	0	1	1	0	0		
GREENVILLE	61	32	71	24	47	5	T	.0	5.4	57	2.5	46	62	18	0	3	3	0	0		
SD ABERDEEN	38	21	53	7	29	17	T	.1	.8	71	.7	103	94	62	0	7	7	1	0		
HURON	41	21	55	8	31	16	T	.2	.8	74	.7	125	91	51	0	7	7	0	0		
RAPID CITY	48	22	61	15	35	11	T	.0	.3	33	.3	52	84	34	0	7	7	0	0		
SIoux FALLS	38	22	53	9	30	14	T	.2	1.0	67	.8	107	91	62	0	7	7	0	0		
TN CHATTANOOGA	58	31	70	24	45	5	T	.0	12.4	106	4.3	67	85	25	0	5	5	0	0		
KNOXVILLE	55	29	65	23	42	3	T	.0	14.1	136	3.9	67	79	26	0	6	6	0	0		
MEMPHIS	58	35	71	28	47	5	T	.0	8.9	84	1.8	31	85	38	0	2	2	0	0		
NASHVILLE	54	29	68	20	41	3	T	.0	10.2	101	3.0	53	94	54	0	4	4	0	0		
TX ABILENE	51	36	54	26	43	-3	T	1.4	1.1	9.5	447	3.3	258	90	54	0	4	3	1	0	
AMARILLO	48	30	53	22	39	1	T	.2	.1	2.9	266	.7	113	87	46	0	5	3	0	0	
AUSTIN	60	45	66	38	53	2	T	3.7	3.1	1.7	22.7	8.6	377	86	53	0	0	4	3	2	
BRAUMONT	60	44	67	37	52	-2	T	4.4	3.3	2.1	27.0	15.5	290	93	54	0	0	3	2	0	
BROWNSVILLE	71	52	76	44	62	0	T	1.1	.7	.7	6.3	221	5.1	298	93	49	0	0	3	1	0
CORPUS CHRISTI	66	50	72	43	58	2	T	2.4	1.9	1.0	18.0	545	8.2	392	92	60	0	0	3	2	0
DEL RIO	62	45	65	37	55	2	T	2.2	2.0	1.2	7.2	543	4.1	527	80	48	0	0	3	2	0
EL PASO	58	38	62	31	48	1	T	.2	.0	.1	4.6	535	1.3	265	89	43	0	2	3	0	0
FORT WORTH	57	41	64	32	49	3	T	.1	-3.3	.1	12.1	308	3.4	153	84	43	0	1	3	0	0
GALVESTON	59	49	62	40	54	0	T	4.3	3.7	3.6	15.1	208	12.8	344	88	62	0	0	3	2	0
HOUSTON	61	44	66	36	52	-1	T	2.7	1.8	1.8	19.7	239	10.4	232	91	55	0	0	3	2	0
LUBBOCK	51	34	56	24	43	2	T	.9	.7	.5	4.4	515	2.2	447	96	52	0	4	3	1	0
MIDLAND	54	36	59	26	45	0	T	1.2	1.1	.8	4.7	471	2.4	442	91	50	0	3	3	1	0
SAN ANGELO	55	38	59	27	47	-1	T	1.6	1.4	.7	7.6	508	3.6	417	96	58	0	3	4	2	0
SAN ANTONIO	62	45	68	34	54	1	T	3.4	3.0	1.6	23.3	682	9.3	451	88	56	0	0	3	2	0
VICTORIA	64	46	69	36	55	1	T	4.4	3.9	2.7	15.7	336	9.4	374	92	57	0	0	4	3	0
WACO	57	41	62	31	49	1	T	1.9	1.4	1.3	14.8	358	6.4	286	91	54	0	1	3	2	0
WICHITA FALLS	54	36	60	28	45	2	T	.5	.3	.5	9.2	393	2.3	197	89	51	0	3	1	1	0
UT CEDAR CITY	46	27	51	23	37	4	T	.2	.8	.8	.4	53	94	51	0	6	6	1	0	0	
SALT LAKE CITY	42	22	47	12	32	0	T	-3.3	1.2	1.2	.4	41	.9	50	92	54	0	6	1	0	0
VT BURLINGTON	24	4	33	-10	14	-2	T	.5	.1	.3	3.6	75	2.2	95	92	50	0	7	3	0	0
VA NORFOLK	47	32	66	28	40	0	T	.8	6.9	89	4.5	97	79	38	0	4	4	1	0	0	0
RICHMOND	51	27	68	22	39	2	T	.1	-7.7	.1	6.2	83	1.7	41	81	30	0	7	1	0	0
ROANOKE	54	28	68	21	41	5	T	.7	5.0	77	2.5	68	64	23	0	6	6	0	0	0	0
WA QUILLAYUTE	56	35	64	27	45	4	T	.8	-2.4	.7	36.1	102	25.4	142	99	66	0	3	2	1	0
SEATTLE-TACOMA	51	38	63	34	44	3	T	.6	-5.3	.3	13.9	102	8.6	117	99	68	0	0	3	2	0
SPOKANE	43	28	49	24	36	6	T	.2	-2.2	.2	3.6	66	2.4	80	97	60	0	7	2	0	0
YAKIMA	47	25	56	20	36	3	T	.1	-2.1	.1	1.6	55	.4	21	98	64	0	6	1	0	0
WV BECKLEY	46	25	59	15	36	5	T	.7	8.4	114	2.0	47	76	35	0	7	7	2	0	0	0
CHARLESTON	48	26	60	18	37	3	T	.1	-7.9	104	2.0	46	86	39	0	6	6	0	0	0	0
HUNTINGTON	49	26	62	16	37	4	T	.6	7.1	99	1.7	42	80	37	0	6	6	1	0	0	0
PARKERSBURG	44	23	54	14	34	1	T	.6	6.4	101	1.2	35	89	44	0	7	7	2	0	0	0
WI GREEN BAY	34	19	45	8	27	11	T	.2	2.1	76	.7	50	91	59	0	7	7	0	0	0	0
LACROSSE	36	22	48	7	29	12	T	.2	2.5	114	.9	76	95	56	0	7	7	0	0	0	0
MADISON	38	20	52	7	29	11	T	.2	2.5	88	.8	61	89	51	0	7	7	2	0	0	0
MILWAUKEE	39	23	50	13	31	10	T	.3	3.0	76	1.1	57	86	54	0	7	7	1	0	0	0
WAUSAU	32	15	45	2	23	10	T	.2	1.9	77	.5	40	95	66	0	7	7	0	0	0	0
WY CASPER	44	17	48	10	31	5	T	.0	.5	47	.2	28	78	28	0	7	7	0	0	0	0
CHEYENNE	46	20	50	16	33	4	T	.0	.5	55	.5	74	78	24	0	7	7	0	0	0	0
LANDER	39	16	47	12	28	4	T	.0	.8	67	.5	77	78	41	0	7	7	0	0	0	0
SHERIDAN	48	22	53	17	35	11	T	.2	.8	44	.2	21	81	34	0	7	7	0	0	0	0

Based on 1951-80 normals.

HEATING DEGREE DAYS (Base 65° F) February 2 - 8, 1992

(Cumulative totals and departures from normal are for the period July 1, 1991 - February 8, 1992)

STATES AND STATIONS	WEEKLY		CUMULATIVE			STATES AND STATIONS	WEEKLY		CUMULATIVE			STATES AND STATIONS	WEEKLY		CUMULATIVE		
	TOTAL	DEPARTURE	TOTAL	DEPARTURE	DEP fm 90-91		TOTAL	DEPARTURE	TOTAL	DEPARTURE	DEP fm 90-91		TOTAL	DEPARTURE	TOTAL	DEPARTURE	DEP fm 90-91
AL BIRMINGHAM	124	-20	1856	-126	248	NEW ORLEANS	80	-10	1113	34	264	CINCINNATI	204	-42	3121	-264	219
MOBILE	93	-5	1302	71	375	SHREVEPORT	108	-13	1531	-79	-51	DAYTON	225	-38	3450	-169	230
MONTGOMERY	118	0	1617	10	335	ME CARIBOU	381	3	5780	-110	222	TOLEDO	256	-32	3688	-404	78
AK ANCHORAGE	343	2	6221	-601	-800	PORTLAND	310	4	4251	-253	446	YOUNGSTOWN	260	-27	3710	-320	245
BARRON	649	64	12101	325	368	MD BALTIMORE	222	-2	2884	-108	393	OK OKLAHOMA CITY	133	-53	2267	-271	-118
FAIRBANKS	541	34	8935	-473	-237	SALISBURY	210	0	2602	-170	278	TULSA	132	-56	2176	-383	-134
JUNEAU	204	-71	4773	-838	-672	MA BOSTON	267	18	3248	-114	389	OR ASTORIA	133	-19	2767	-254	-121
KODIAK	268	22	4938	-236	-346	CHATHAM	254	9	3138	-229	297	BURNS	222	-10	4180	-107	-553
NOME	521	93	7903	-509	-292	MI ALPENA	299	-38	4727	-272	144	MEDFORD	151	-19	2513	-471	-506
AZ FLAGSTAFF	207	-40	3926	-341	-196	DETROIT	263	-24	3718	-347	132	PENDELTON	198	2	3064	-317	-332
PHOENIX	16	-58	643	-376	-50	FLINT	264	-39	4098	-207	89	PORTLAND	144	-19	2311	-546	-381
PRESOTT	152	-37	2709	-264	-139	GRAND RAPIDS	246	-55	4049	-196	115	SALEM	155	-9	2466	-495	-370
TUCSON	42	-44	1017	-149	18	HOUGHTON LAKE	280	-60	4667	-352	-28	PA ALLENTOWN	239	-23	3278	-366	138
WINSLOW	189	-13	3404	203	-31	LANSING	256	-48	4176	-113	140	ERIE	257	-30	3455	-539	241
YUMA	2	-49	418	-307	-154	MARQUETTE	306	-61	5679	-69	57	HARRISBURG	220	-26	3082	-297	167
AR FORT SMITH	120	-54	2144	-259	-149	MUSKEGON	246	-49	3926	-240	80	PHILADELPHIA	218	-17	2737	-377	260
LITTLE ROCK	125	-36	1994	-200	-25	SAULT ST MARIE	338	-26	5308	-223	54	PITTSBURGH	248	-18	3419	-322	282
CA BAKERSFIELD	84	-11	1583	114	11	MN ALEXANDRIA	289	-104	5405	-402	49	SCRANTON	268	-12	3664	-273	286
EUREKA	92	-27	2329	-384	-98	DULUTH	307	-85	5910	-215	74	RI PROVIDENCE	261	2	3204	-361	218
FRESNO	92	-20	1681	-108	-48	INT'L FALLS	339	-89	6247	-457	-60	SC CHARLESTON	111	-6	1291	-195	290
LOS ANGELES	29	-34	529	-335	-82	MINNEAPOLIS	267	-88	4980	-143	160	COLUMBIA	125	-11	1698	-124	223
REDDING	79	-34	1639	-108	-132	ROCHESTER	273	-84	5129	-120	67	FLORENCE	119	-17	1576	-183	229
SACRAMENTO	98	-16	1676	-113	-69	SAINT CLOUD	285	-98	5439	-266	45	GREENVILLE	128	-33	1988	-199	141
SAN DIEGO	22	-27	468	-244	-171	MS GREENWOOD	135	-3	1748	-162	123	SD ABERDEEN	248	-122	4882	-611	-238
SAN FRANCISCO	79	-20	1484	-367	-11	JACKSON	118	-6	1602	-79	132	HURON	237	-114	4549	-647	-357
STOCKTON	101	-14	1714	-64	-45	MERIDIAN	119	-7	1612	-134	243	RAPID CITY	210	-78	3971	-557	-432
CO DENVER	205	-25	3694	-13	89	MO CAPE GIRARDEAU	171	-45	2643	-320	-46	STIOUX FALLS	242	-102	4596	-471	-270
GRAND JCT.	232	-10	4000	206	-319	COLUMBIA	188	-57	3122	-284	-81	TN CHATTANOOGA	140	-34	2170	-257	239
PUEBLO	210	-12	3595	72	63	KANSAS CITY	191	-59	3210	-271	-138	KNOXVILLE	160	-18	2364	-113	258
CT BRIDGEPORT	244	-7	3058	-204	259	SAINT LOUIS	170	-66	2783	-476	-62	MEMPHIS	128	-37	1985	-225	115
HARTFORD	274	1	3561	-301	305	SPRINGFIELD	169	-49	2761	-303	-80	NASHVILLE	163	-23	2328	-201	208
DE WILMINGTON	220	-14	2813	-318	197	MT BILLINGS	193	-82	3810	-687	-408	TX ABILENE	150	14	1985	122	123
DC WASHINGTON	192	-11	2444	-222	287	GLASGOW	234	-134	4707	-962	-680	AMARILLO	181	-11	2867	70	36
FL APALACHICOLA	73	-15	989	-11	371	GREAT FALLS	209	-78	4004	-803	-592	AUSTIN	84	-12	1185	-95	-16
DAYTONA BEACH	60	4	563	-57	295	HAVRE	238	-103	4498	-1014	-609	BEAUMONT	90	1	1061	-24	56
FORT MYERS	15	-20	175	-147	120	HELENA	246	-47	4752	-371	30	BROWNSVILLE	29	-11	514	-47	52
JACKSONVILLE	88	4	994	-19	340	KALISPELL	235	-53	4698	-575	-405	CORPUS CHRISTI	47	-15	698	-30	15
KEY WEST	0	-14	12	-76	09	MILES CITY	216	-108	4132	-929	-615	DEL RIO	82	0	1087	-75	65
MIAMI	3	-18	52	-94	45	MISSOULA	245	-30	4511	-442	-326	EL PASO	117	-12	1862	-74	52
ORLANDO	39	-10	397	-77	215	NE GRAND ISLAND	207	-77	3691	-533	-238	FORT WORTH	109	-15	1614	-21	-92
TALLAHASSEE	99	2	1200	18	394	LINCOLN	203	-88	3606	-565	-289	GALVESTON	78	-4	859	-28	72
TAMPA	41	-8	420	-102	247	NORFOLK	221	-87	3987	-561	-314	HOUSTON	88	-1	1130	-1	29
W. PALM BEACH	12	-16	126	-64	93	NORTH PLATTE	216	-65	3854	-567	-305	LUBBOCK	155	-15	2447	-46	171
GA ATLANTA	110	-43	1764	-295	147	OMAHA	211	-76	3788	-282	-270	MIDLAND-ODESSA	136	1	2136	244	227
AUGUSTA	126	-7	1681	-103	249	SCOTTSBLUFF	214	-45	3910	-323	-300	SAN ANGELO	127	5	1782	109	20
MACON	119	-2	1541	-68	200	VALENTINE	229	-73	4247	-398	-299	SAN ANTONIO	77	-13	1134	-51	-52
SAVANNAH	107	3	1213	-155	269	NV RLY	222	-42	4363	-263	-129	VICTORIA	67	-10	885	-51	-34
ID BOISE	200	-18	3496	-188	-554	LAS VEGAS	84	-33	1601	-183	-140	WACO	109	-7	1436	-80	-96
LEWISTON	196	-5	3093	-397	94	RENO	189	-16	3056	-669	-442	WICHITA FALLS	135	-19	2010	-104	-74
POCATELLO	225	-39	4302	-127	-293	WINNEMUCCA	188	-28	3587	-384	-636	UT BLANDING	195	-44	3530	-331	-306
IL CHICAGO	225	-66	3880	-169	22	NH CONCORD	305	-8	4326	-287	262	CEDAR CITY	195	-32	3603	-99	-451
MOLINE	224	-75	3859	-321	-195	NJ ATLANTIC CITY	240	9	2973	-132	260	SALT LAKE CITY	231	-1	3719	16	-220
PEORIA	215	-72	3697	-321	-126	NM ALBUQUERQUE	161	-31	2873	-78	-16	VT BURLINGTON	355	12	4657	-206	450
QUINCY	200	-71	3460	-296	-122	CLOVIS	166	-15	2864	167	351	VA LYNCHBURG	172	-32	2503	-316	171
ROCKFORD	240	-71	4125	-295	-160	ROSWELL	147	0	2450	222	372	NORFOLK	175	0	1986	-207	331
SPRINGFIELD	196	-71	3372	-291	-132	NY ALBANY	298	-7	4041	-254	309	RICHMOND	180	-15	2282	-327	258
IN EVANSVILLE	198	-30	2895	-238	106	BINGHAMTON	294	-14	4060	-387	75	ROANOKE	170	-32	2487	-335	288
FORT WAYNE	233	-53	3682	-290	97	BUFFALO	274	-20	3842	-240	285	WA COLVILLE	217	-38	4103	-471	-358
INDIANAPOLIS	208	-55	3291	-346	07	NEW YORK	225	-6	2643	-361	291	QUILLAYUTE	137	-30	3023	-450	-230
SOUTH BEND	232	-53	3728	-240	108	ROCHESTER	278	-16	3956	-94	281	SEATTLE-TACOMA	142	-22	2480	-591	-378
IA DES MOINES	212	-92	3909	-325	-201	SYRACUSE	290	-9	3953	-161	260	SPOKANE	203	-42	3842	-504	-408
DUBUQUE	245	-82	4456	-240	-125	NC ASHEVILLE	152	-40	2499	-292	188	YAKIMA	201	-21	3428	-502	-503
STIOUX CITY	215	-100	4140	-386	-258	CAPE HATTERAS	148	8	1383	-256	219	WV BECKLEY	203	-38	3583	39	730
WATERLOO	243	-93	4475	-365	-241	CHARLOTTE	130	-36	1829	-420	148	CHARLESTON	195	-24	2781	-280	360
KS CONCORDIA	187	-72	3238	-421	-179	GREENSBORO	153	-35	2216	-349	197	HUNTINGTON	192	-27	2808	-249	298
DODGE CITY	178	-48	3089	-210	-114	NEW BERN	142	-7	1652	-261	225	PARKERSBURG	219	-12	3113	-76	381
GOODLAND	201	-43	3582	-261	-86	RALEIGH-DURHAM	149	-26	2050	-296	225	WI GREEN BAY	268	-79	4691	-345	-10
TOPEKA	182	-65	3068	-463	-206	WILMINGTON	130	-3	1580	-89	337	LA CROSSE	251	-87	4647	-172	93
WICHITA	160	-67	2840	-346	-205	ND BISMARCK	249	-130	5024	-762	-470	MADISON	252	-79	4423	-400	-90
KY BOWLING GREEN	183	-25	2635	-233	186	FARGO	278	-124	5427	-514	-16	MILWAUKEE	234	-77	3947	-515	15
LEXINGTON	195	-32	2876	-248	190	GRAND FORKS	285	-130	5670	-591	-97	WAUSAU	290	-73	5218	-147	147
LOUISVILLE	176	-43	2613	-358	97	WILLISTON	248	-130	5070	-824	-467	WY CASPER	240	-39	4343	-321	-256
LA ALEXANDRIA	110	4	1361	-43	38	OH AKRON-CANTON	256	-22	3662	-199	265	CHEYENNE	223	-34	4151	-203	-187
BATON ROUGE	89	-8	1160	-63	125	CLEVELAND	248	-28	3478	-311	113	LANDER	258	-34	4901	-28	61
LAKE CHARLES	89	-4	1122	-27	62	COLUMBUS	223	-39	3285	-334	180	SHERIDAN	207	-82	4330	-534	-326

Based on 1951-80 normals.

January Weather and Crop Summary

Weather

January's weather was highlighted by excessive rainfall in the Gulf Coast States and incredible warmth in the North Central States. Elsewhere, California's rainy season sputtered after the 7th, and the Plains' snow cover was scarce due to warmth and lack of storminess.

Five stormy periods plagued the area from Texas to the Georgia-Florida border (January 7-8, 11-13, 17-19, 21-23, and 25-29). Rainfall was far more welcomed in northern Florida, where rainfall had been below normal since October 1, than in eastern Texas, which had endured record December rainfall and flooding. By early February, Austin, TX, established its seasonal rainfall record (for any season), with 22.33 inches recorded since December 1, 1991, topping the mark of 21.89 inches set from March to May 1957. Farther west and north, most of the precipitation surpluses were achieved early in the month. Rainfall effectively ceased in the Southwest after the 7th, and one of the month's few major snowstorms trekked from the Great Basin to the Great Lakes between the 6th and the 9th. Monthly precipitation was much below normal in the Northwest except west of the Washington Cascades, where heavy rain fell toward month's end. The dryness extended as far south as northern California, which faces a potential sixth consecutive year of drought.

Preliminary data indicate that California's statewide precipitation since October 1, 1991, is about 60 percent of normal, compared with 25 percent of normal at this time last year. But in the Sierra Nevada Mountains, which provide the spring snowmelt headwaters for many major reservoirs, snowpack is only 45 percent of normal (20 percent of normal on February 1, 1991). The State's reservoirs hold 55 percent of their normal water volume, which is 5 percent higher than at this time last year. The improvement is primarily due to heavy precipitation during March 1991.

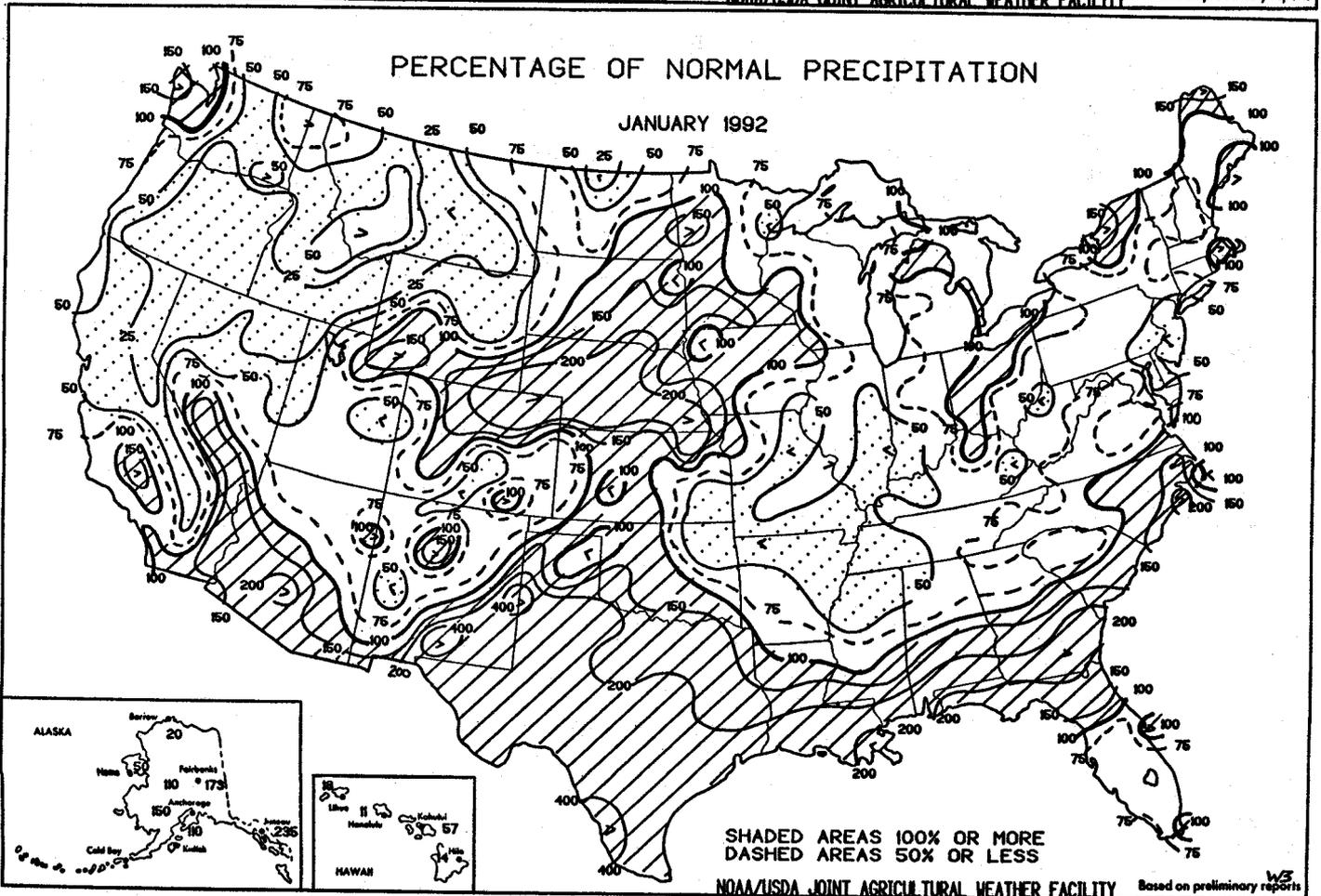
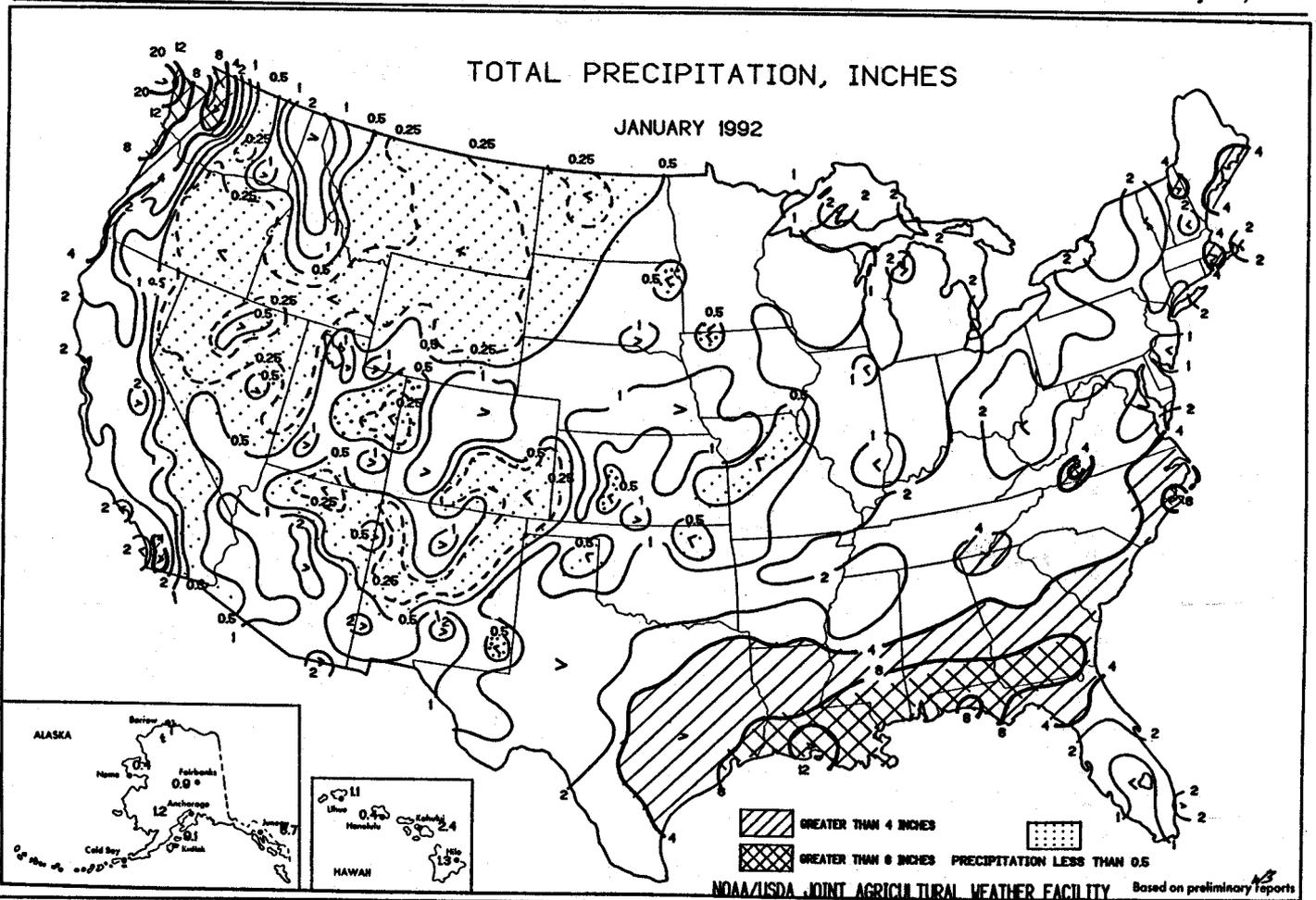
Monthly temperature departures were greater than 10° F above normal from Kansas northward through Montana, the Dakotas, and Minnesota. As a result, the Plains remained devoid of snow

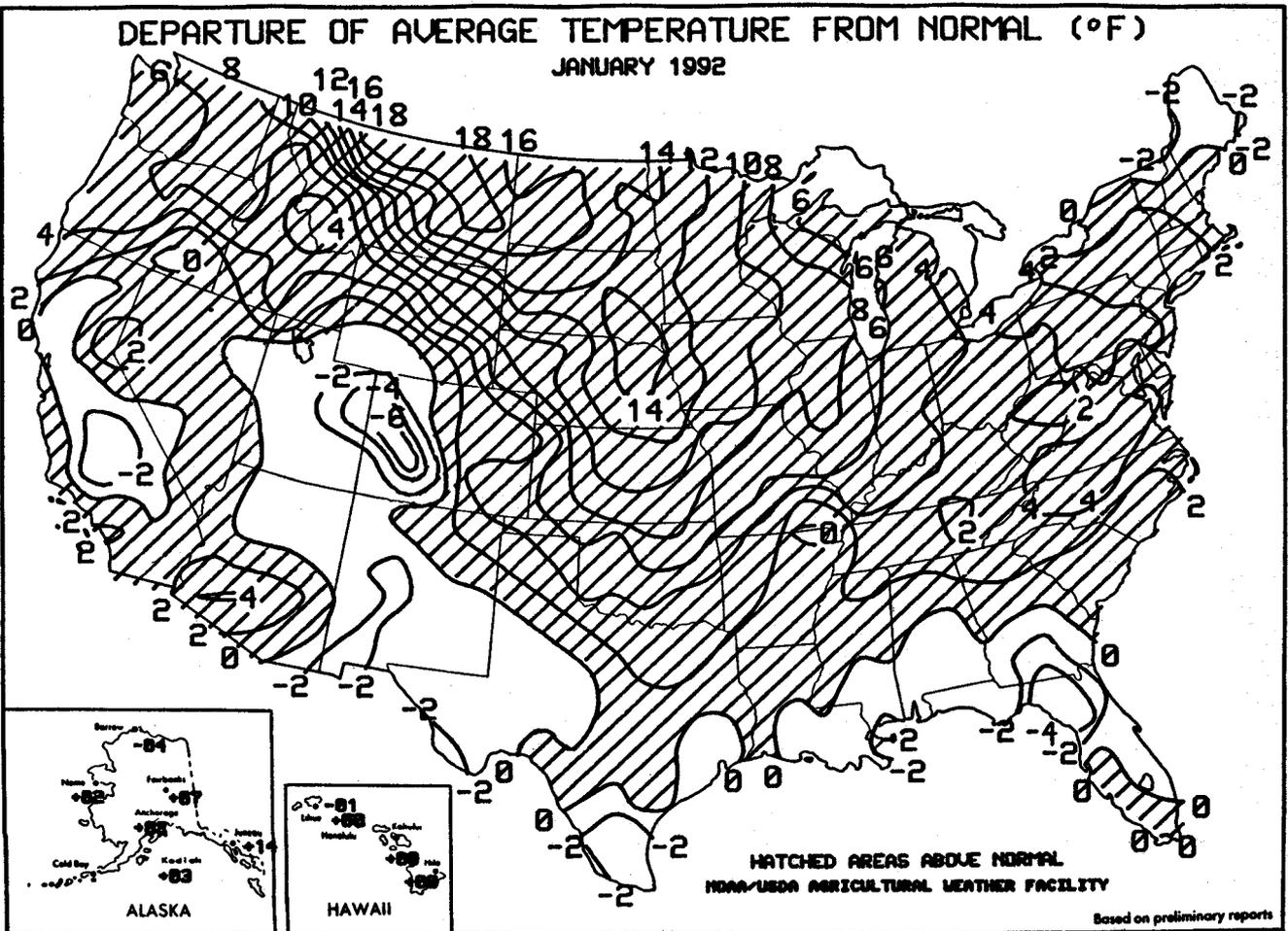
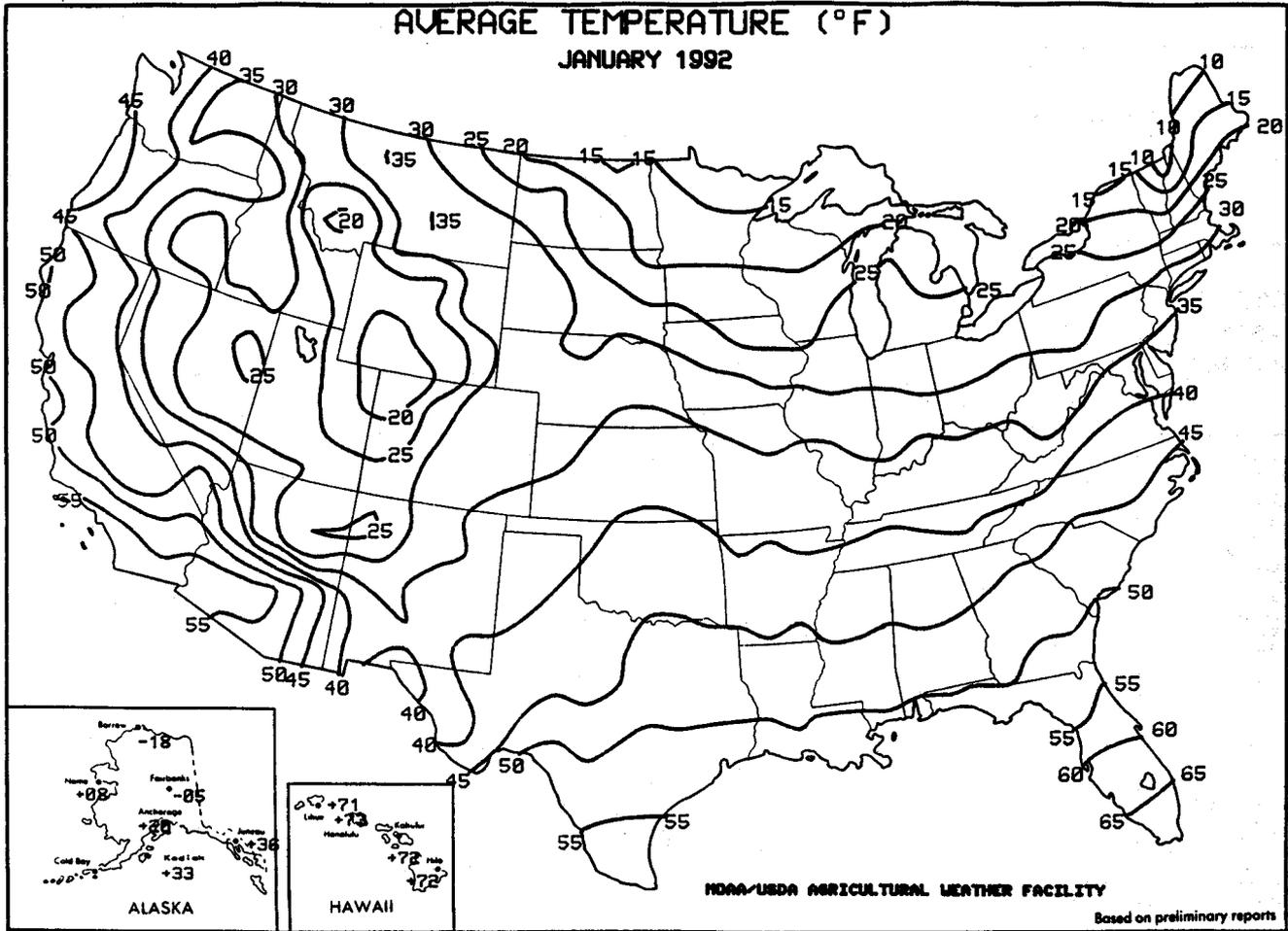
cover for most of the month. Though the 1992 winter wheat crop was vulnerable to winter kill, no severe cold materialized. The stagnant high pressure system that fueled the northern Plains' warmth also allowed cold air to drain into interior Western valleys. In many basins, including California's agricultural San Joaquin and Sacramento Valleys, persistent fog formed, reducing solar heating. The only other significant area of cooler-than-normal weather was along the Gulf coast, where cloud cover and wet ground suppressed daytime temperatures.

Among the records set were all-time January record highs in Great Falls, MT (67° F), and Miles City, MT (72° F), both recorded on the 31st. Glasgow, MT (26.6° F), and Rapid City, SD (33.6° F), established January records for the highest average temperature. Unusual warmth also covered southern Alaska, where temperatures were 8° F above normal in Anchorage and 14° F above normal in Juneau. Toward month's end, Anchorage had its deepest snow cover since March 1959. Elsewhere outside the contiguous States, Puerto Rico had an intense rainfall event on the 5th and 6th, with 24-hour precipitation reaching 19.56 inches in Cayey.

Small Grains

Winter grain seeding was active in Arizona and California during the first part of January, and was completed in Arizona later in the month. Across much of the country, snow cover was considered inadequate for the protection of overwintering small grains, but unusual warmth during January spared the crops from significant freeze damage. Periodic rains boosted crop prospects along both coasts and in the central and southern Great Plains, while excess moisture caused some yellowing of wheat fields in rain-soaked Texas. Broadleaf weed control was ongoing in California, and early topdressing of small grains was underway in the Southeast. Winter wheat condition was reported as fair to good across most of the Nation. Grain marketings from North Dakota were slowed by rail car shortages during the second half of the month.





TEMPERATURE AND PRECIPITATION SUMMARY

January 1992

STATES AND STATIONS	Temp. °F		Precip.		STATES AND STATIONS	Temp. °F		Precip.		STATES AND STATIONS	Temp. °F		Precip.	
	AVERAGE	DEPARTURE	TOTAL	DEPARTURE		AVERAGE	DEPARTURE	TOTAL	DEPARTURE		AVERAGE	DEPARTURE	TOTAL	DEPARTURE
AL BIRMINGHAM	43	1	3.8	-1.4	LA ALEXANDRIA	49	-1	6.9	2.5	TOLEDO	29	5	1.7	-0.3
HUNTSVILLE	42	2	2.8	-2.4	BATON ROUGE	51	-1	9.7	5.1	YOUNGSTOWN	29	4	2.2	-0.4
MOBILE	49	-1	9.9	5.3	LAKE CHARLES	51	1	11.1	6.5	OK OKLAHOMA CITY	42	6	1.2	0.2
MONTGOMERY	46	-1	7.8	3.6	NEW ORLEANS	51	-2	9.9	5.0	TULSA	43	8	0.5	-0.8
AK ANCHORAGE	20	8	1.2	0.4	SHREVEPORT	47	1	4.6	0.6	OR ASTORIA	45	4	9.3	-1.4
BARROW	-18	-4	T	-0.2	ME CARIBOU	17	0	3.8	1.4	BURNS	28	0	0.2	-1.4
FAIRBANKS	-5	7	0.9	0.4	PORTLAND	24	0	4.8	1.0	MEDFORD	41	3	0.8	-2.6
JUNEAU	36	14	8.7	7.4	MD BALTIMORE	35	2	1.3	-1.7	PENDLETON	39	6	0.4	-1.3
KODIAK	33	3	9.1	3.3	MASSACHUSETTS	38	3	1.8	-1.5	PORTLAND	44	6	4.3	-1.8
NOME	8	2	0.4	-0.4	MA BOSTON	31	1	3.1	-0.8	SALEM	44	5	4.8	-2.3
AZ FLAGSTAFF	27	-1	2.0	-0.1	CHATHAM	32	1	1.4	-2.9	PA ALLENTOWN	32	5	1.7	-1.6
PHOENIX	56	4	1.6	0.9	MI ALPENA	22	4	1.7	0.0	ERIE	30	6	2.6	0.2
PRESCOTT	37	-1	1.3	0.4	DETROIT	28	5	1.8	-0.1	HARRISBURG	33	4	1.6	-1.4
TUCSON	52	1	1.2	0.4	FLINT	26	4	1.2	-0.4	PHILADELPHIA	36	4	0.9	-2.3
WINSLOW	28	-4	0.3	-0.1	GRAND RAPIDS	28	5	1.5	-0.5	PITTSBURGH	31	3	2.1	-0.7
YUMA	57	1	0.4	0.0	HOUGHTON LAKE	23	6	1.3	-0.2	SCRANTON	29	3	1.2	-1.0
AR FORT SMITH	41	4	1.4	-0.4	LANSING	26	6	1.4	-0.3	WILLIAMSPORT	31	4	2.0	-0.9
LITTLE ROCK	43	2	1.8	-2.0	MARQUETTE	17	5	1.3	-0.7	RI PROVIDENCE	31	3	4.8	0.8
CA BAKERSFIELD	44	-4	1.6	0.6	MUSKOGEE	29	6	1.4	-1.0	SC CHARLESTON	50	2	4.9	1.6
BISHOP	38	1	0.4	-0.9	SAULT ST. MARIE	17	3	2.9	0.7	COLUMBIA	46	1	3.1	-1.2
EUREKA	51	3	4.0	-3.0	MN ALEXANDRIA	18	12	0.9	0.1	FLORENCE	47	1	3.6	0.1
FRESNO	43	-3	1.9	-0.1	DULUTH	17	10	0.6	-0.6	GREENVILLE	44	3	2.5	-1.7
LOS ANGELES	58	3	1.6	-1.4	INT'L FALLS	12	12	0.8	-0.1	SD ABERDEEN	21	13	0.7	0.2
REDDING	44	-2	3.0	-5.5	MINNEAPOLIS	22	11	0.7	-0.1	HURON	26	15	0.7	0.3
SACRAMENTO	44	-2	1.3	-2.7	ROCHESTER	21	12	1.0	0.2	RAPID CITY	34	13	0.3	-0.1
SAN DIEGO	57	1	1.8	-0.3	ST. CLOUD	19	12	0.7	-0.1	SIoux FALLS	26	14	0.8	0.3
SAN FRANCISCO	49	0	2.0	-2.6	MS GREENWOOD	44	0	1.5	-3.6	TN BRISTOL	39	4	2.4	-1.2
STOCKTON	43	-2	1.4	-1.6	JACKSON	46	0	4.3	-0.7	CHATTANOOGA	42	3	4.3	-0.9
CO ALAMOSA	1	-15	0.1	-0.2	MERIDIAN	46	0	5.1	0.1	KNOXVILLE	40	2	3.9	-0.8
CO. SPRINGS	33	4	0.1	-0.2	TUPELO	42	1	1.5	-4.1	MEMPHIS	42	3	1.8	-2.8
DENVER	32	2	1.2	0.7	MO CAPE GIRARDEAU	---	---	2.3	-0.6	NASHVILLE	40	3	3.0	-1.5
GRAND JUNCTION	20	-6	0.2	-0.4	COLUMBIA	35	7	0.5	-1.2	TX ABILENE	43	0	1.9	0.9
PUEBLO	34	4	T	-0.2	KANSAS CITY	36	8	1.2	0.0	AMARILLO	38	3	0.5	0.1
CT BRIDGEPORT	32	3	1.9	-1.3	SAINT LOUIS	37	8	1.1	-0.6	AUSTIN	51	2	4.8	3.2
HARTFORD	29	3	2.7	-0.8	SPRINGFIELD	38	6	0.9	-0.7	BEAUMONT	52	-1	11.0	7.0
DC WASHINGTON	38	3	2.8	0.0	MT BILLINGS	35	14	0.1	-0.9	BROWNSVILLE	58	-2	3.5	2.3
FL APALACHICOLA	52	-2	6.3	2.8	GLASGOW	27	18	0.2	-0.1	CORPUS CHRISTI	55	0	5.1	3.5
DAYTONA BEACH	56	-2	2.4	0.0	GREAT FALLS	35	15	0.5	-0.5	DEL RIO	52	1	1.9	1.4
FT. MYERS	64	1	1.7	-0.2	HAVRE	32	20	T	-0.6	EL PASO	44	0	1.1	0.8
JACKSONVILLE	53	-2	5.8	2.9	HELENA	24	5	0.3	-0.4	FORT WORTH	47	3	3.2	1.6
KEY WEST	70	0	0.3	-1.4	KALISPELL	28	9	1.2	-0.4	GALVESTON	54	0	8.5	5.5
MIAMI	67	0	1.8	-0.3	MILES CITY	32	18	0.1	-0.5	HOUSTON	51	-1	7.7	4.2
ORLANDO	60	-1	1.4	-0.8	MISSOULA	27	5	0.4	-1.0	LAREDO	53	-3	3.7	3.0
TALLAHASSEE	51	-1	6.5	1.9	NE GRAND ISLAND	34	13	1.4	0.9	LUBBOCK	40	1	1.3	1.0
TAMPA	60	0	1.5	-0.7	LINCOLN	34	15	1.4	0.7	MIDLAND	41	-2	1.2	0.8
WEST PALM BEACH	65	0	1.7	-1.0	NORFOLK	33	15	0.6	0.1	SAN ANGELO	46	0	1.9	1.3
GA ATHENS	45	3	3.3	-1.6	NORTH PLATTE	32	11	0.9	0.5	SAN ANTONIO	51	0	5.6	4.1
ATLANTA	45	3	3.6	-1.3	OMAHA	33	12	1.3	0.6	VICTORIA	53	1	5.0	3.1
AUGUSTA	46	1	4.6	0.6	SCOTTSSBLUFF	31	6	0.8	0.4	WACO	49	2	4.5	2.8
Macon	47	1	6.0	1.7	VALENTINE	29	10	0.5	0.3	WICHITA FALLS	43	3	1.8	0.9
SAVANNAH	50	1	6.6	3.5	NV ELKO	24	-1	0.2	-1.0	UT BLANDING	---	---	---	---
HI HILO	71	0	1.3	-8.1	ELY	25	0	0.5	-0.2	CEDAR CITY	29	0	0.4	-0.2
HONOLULU	73	0	0.4	-3.3	LAS VEGAS	46	1	0.4	0.0	SALT LAKE CITY	26	-3	0.8	-0.6
KAHULUI	71	0	2.4	-1.6	RENO	34	2	0.1	-1.1	VT BURLINGTON	19	2	1.6	-0.2
LIHUE	70	-1	1.1	-5.1	NH WINNEMUCCA	32	2	0.1	-0.8	VA LYNCHBURG	40	5	2.3	-0.8
ID BOISE	33	3	0.4	-1.3	NH CONCORD	23	3	2.0	-0.8	NORFOLK	43	2	4.5	0.8
LEWISTON	38	5	0.7	-0.7	NJ ATLANTIC CITY	34	2	0.9	-2.5	RICHMOND	41	4	1.6	-1.6
POCATELLO	26	2	0.2	-0.9	NM ALBUQUERQUE	33	-2	0.6	0.2	ROANOKE	40	4	2.5	-0.3
IL CAIRO	---	---	1.5	-2.0	OH CLOVIS	36	-2	1.8	1.4	WA COLVILLE	30	5	2.1	-0.1
CHICAGO	28	8	0.9	-0.7	ROSWELL	38	-3	1.0	0.8	QUILLAYUTE	44	5	24.0	9.7
MOLINE	29	9	1.2	-0.4	NY ALBANY	24	3	1.9	-0.5	SEATTLE-TACOMA	44	5	7.8	1.8
PEORIA	30	8	1.1	-0.5	BINGHAMTON	26	4	1.7	-0.8	SPOKANE	32	6	2.1	-0.3
QUINCY	33	6	0.4	-0.9	BUFFALO	27	3	2.0	-1.0	WALLA WALLA	41	7	1.5	-0.9
ROCKFORD	27	8	1.1	-0.3	NEW YORK	36	4	1.4	-1.7	YAKIMA	35	7	0.3	-1.2
SPRINGFIELD	32	8	1.0	-0.5	ROCHESTER	26	2	1.5	-0.8	WV BECKLEY	35	4	1.9	-1.5
IN EVANSVILLE	35	4	0.8	-2.1	SYRACUSE	25	2	2.6	0.0	CHARLESTON	36	2	1.9	-1.5
FORT WAYNE	29	5	1.7	-0.4	NC ASHEVILLE	41	4	3.1	-0.1	ELKINS	31	3	2.7	-0.7
INDIANAPOLIS	31	5	1.4	-1.2	CHARLOTTE	45	4	3.3	-0.5	HUNTINGTON	36	2	1.7	-1.6
SOUTH BEND	29	6	1.6	-0.8	GREENSBORO	42	5	3.5	0.0	PARKERSBURG	33	1	1.2	-1.7
IA DES MOINES	31	12	1.0	0.0	HATTERAS	48	3	4.4	-0.4	WI GREEN BAY	23	9	0.7	-0.4
DUBUQUE	25	9	1.5	0.1	NEW BERN	46	1	7.0	3.0	LACROSSE	24	10	0.9	-0.1
STOUC CITY	31	14	0.6	0.0	RALEIGH	43	4	3.8	0.3	MADISON	26	10	0.8	-0.3
WATERLOO	25	11	1.1	0.3	WILMINGTON	47	1	5.8	2.1	MILWAUKEE	28	9	1.1	-0.5
KS CONCORDIA	37	12	0.7	0.1	ND BISMARCK	23	16	0.3	-0.2	WAUSAU	20	9	0.5	-0.5
DODGE CITY	38	8	0.4	0.0	FARGO	17	13	0.9	0.4	CASPER	28	6	0.2	-0.3
GOODLAND	31	4	0.2	-0.2	GRAND FORKS	16	14	0.6	-0.2	CHEYENNE	30	4	1.2	1.5
TOPEKA	37	11	0.9	0.0	WILLISTON	23	16	0.5	-0.1	LANDER	21	1	0.5	0.0
WICHITA	39	9	0.7	0.0	OH AKRON-CANTON	29	4	1.9	-0.6	SHERIDAN	31	10	0.2	-0.5
KY BOWLING GREEN	37	3	2.2	-2.4	CINCINNATI	33	4	3.0	-0.1	PR SAN JUAN	77	0	4.0	1.1
JACKSON	38	7	1.9	-2.0	CLEVELAND	30	4	3.3	0.9					
LEXINGTON	35	3	3.6	0.1	COLUMBUS	32	5	1.8	-0.9					
LOUISVILLE	37	5	2.0	-1.4	DAYTON	30	3	3.1	0.5					
PADUCAH	38	5	2.1	-1.5	MANSFIELD	28	3	3.6	1.3					

Based on 1951-80 normals.

HEATING DEGREE DAYS (Base 65° F) January 1992

STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL
AL BIRMINGHAM	663	-22	NEW ORLEANS	426	3	CINCINNATI	988	-131
MOBILE	477	8	SHREVEPORT	544	-53	DAYTON	1078	-112
MONTGOMERY	588	8	ME CARIBOU	1691	-5	TOLEDO	1116	-183
AK ANCHORAGE	1380	-232	PORTLAND	1267	-82	YOUNGSTOWN	1115	-150
BARRON	2598	137	MD BALTIMORE	936	-65	OK OKLAHOMA CITY	704	-198
FAIRBANKS	2163	-249	SALISBURY	846	-81	TULSA	682	-242
JUNEAU	902	-437	MA BOSTON	1049	-48	OR ASTORIA	607	-134
KODIAK	971	-55	CHATHAM	1033	-18	BURNS	1151	-12
NOME	1753	-82	MI ALPENA	1317	-159	MEDFORD	738	-111
AZ FLAGSTAFF	1158	17	DETROIT	1129	-161	PENDLETON	810	-188
PHOENIX	260	-134	FLINT	1206	-149	PORTLAND	627	-182
PRESCOTT	870	-23	GRAND RAPIDS	1155	-178	SALEM	641	-156
TUCSON	408	-23	HOUGHTON LAKE	1298	-190	PA ALLENTOWN	1007	-165
WINSLOW	1145	122	LANSING	1207	-138	ERIE	1065	-191
YUMA	213	-77	MARQUETTE	1483	-157	HARRISBURG	986	-118
AR FORT SMITH	728	-125	MUSKOGON	1116	-183	PHILADELPHIA	903	-145
LITTLE ROCK	689	-89	SAULT ST MARIE	1495	-108	PITTSBURGH	1063	-124
CA BAKERSFIELD	649	128	MN ALEXANDRIA	1456	-389	SCRANTON	1121	-113
EUREKA	450	-99	DULUTH	1492	-328	RI PROVIDENCE	1034	-107
FRESNO	683	78	INT'L FALLS	1631	-381	SC CHARLESTON	472	-71
LOS ANGELES	202	-84	MINNEAPOLIS	1333	-335	COLUMBIA	574	-63
REDDING	628	23	ROCHESTER	1343	-337	FLORENCE	551	-79
SACRAMENTO	658	47	SAINT CLOUD	1437	-361	GREENVILLE	646	-95
SAN DIEGO	228	-30	MS GREENWOOD	643	-32	SD ABERDEEN	1338	-420
SAN FRANCISCO	494	-18	JACKSON	593	-18	HURON	1191	-477
STOCKTON	681	67	MERIDIAN	587	-29	RAPID CITY	964	-406
CO DENVER	1022	-79	MO CAPE GIRARDEAU	848	-175	STOUX FALLS	1186	-445
GRAND JCT	1390	165	COLUMBIA	918	-245	TN CHATTANOOGA	701	-114
PUEBLO	958	-133	KANSAS CITY	898	-314	KNOXVILLE	753	-78
CT BRIDGEPORT	1012	-89	SAINT LOUIS	859	-263	MEMPHIS	699	-88
HARTFORD	1022	-212	SPRINGFIELD	842	-197	NASHVILLE	768	-97
DE WILMINGTON	914	-134	MT BILLINGS	918	-449	TX ABILENE	672	-1
DC WASHINGTON	824	-100	GLASGOW	1185	-576	AMARILLO	833	-85
FL APALACHICOLA	393	-8	GREAT FALLS	935	-500	AUSTIN	440	-65
DAYTONA BEACH	264	0	HAVRE	1020	-654	BEAUMONT	409	-22
FORT MYERS	85	-65	HELENA	1273	-181	BROWNSVILLE	223	7
JACKSONVILLE	384	-12	KALISPELL	1124	-293	CORPUS CHRISTI	293	-17
KEY WEST	12	-37	MILES CITY	1003	-575	DEL RIO	405	-45
MIAMI	38	-38	MISSOULA	1185	-170	EL PASO	644	-1
ORLANDO	187	-25	NE GRAND ISLAND	947	-429	FORT WORTH	555	-72
TALLAHASSEE	447	6	LINCOLN	941	-463	GALVESTON	334	-42
TAMPA	179	-49	NORFOLK	1001	-475	HOUSTON	428	-14
W. PALM BEACH	73	-19	NORTH PLATTE	1010	-345	LUBBOCK	782	-30
GA ATLANTA	611	-105	OMAHA	1004	-385	MIDLAND-ODESSA	728	68
AUGUSTA	570	-56	SCOTTSBLUFF	1034	-231	SAN ANGELO	592	-13
MACON	541	-39	VALENTINE	1115	-320	SAN ANTONIO	435	-28
SAVANNAH	461	-46	NV ELY	1242	-17	VICTORIA	353	-33
ID BOISE	982	-106	LAS VEGAS	584	-48	WACO	502	-89
LEWISTON	831	-189	RENO	945	-72	WICHITA FALLS	671	-95
POCATELLO	1201	-76	WINNEMUCCA	1029	-62	UT BLANDING	1150	-19
IL CHICAGO	1137	-215	NH CONCORD	1286	-112	CEDAR CITY	1092	-5
MOLINE	1107	-304	NJ ATLANTIC CITY	949	-80	SALT LAKE CITY	1220	92
PEORIA	1078	-271	NM ALBUQUERQUE	994	58	VT BURLINGTON	1434	-66
QUINCY	991	-292	CLOVIS	881	13	VA LYNCHBURG	780	-147
ROCKFORD	1181	-267	ROSWELL	815	83	NORFOLK	686	-92
SPRINGFIELD	1007	-245	NY ALBANY	1248	-113	RICHMOND	749	-131
IN EVANSVILLE	913	-153	BINGHAMTON	1213	-145	ROANOKE	777	-138
FORT WAYNE	1120	-173	BUFFALO	1169	-118	WA COLVILLE	1036	-220
INDIANAPOLIS	1035	-174	NEW YORK	894	-135	QUILLAYUTE	644	-162
SOUTH BEND	1104	-192	ROCHESTER	1195	-88	SEATTLE-TACOMA	646	-157
IA DES MOINES	1054	-384	SYRACUSE	1240	-68	SPOKANE	1024	-194
DUBUQUE	1241	-290	NC ASHEVILLE	748	-126	YAKIMA	926	-215
SIOUX CITY	1056	-457	CAPE HATTERAS	511	-106	WV BECKLEY	936	-146
WATERLOO	1228	-353	CHARLOTTE	608	-152	CHARLESTON	904	-91
KS CONCORDIA	859	-384	GREENSBORO	703	-150	HUNTINGTON	904	-94
DODGE CITY	828	-273	NEW BERN	590	-92	PARKERSBURG	995	-53
GOODLAND	1039	-133	RALEIGH-DURHAM	659	-128	WI GREEN BAY	1296	-285
TOPEKA	855	-351	WILMINGTON	548	-59	LA CROSSE	1268	-313
WICHITA	802	-295	ND BISMARCK	1286	-521	MADISON	1216	-315
KY BOWLING GREEN	850	-114	FARGO	1473	-409	MILWAUKEE	1141	-294
LEXINGTON	915	-124	GRAND FORKS	1510	-437	WAUSAU	1396	-272
LOUISVILLE	855	-153	WILLISTON	1306	-504	WY CASPER	1140	-187
LA ALEXANDRIA	503	-28	OH AKRON-CANTON	1111	-126	CHEYENNE	1062	-144
BATON ROUGE	433	-33	CLEVELAND	1074	-151	LANDER	1369	-38
LAKE CHARLES	419	-23	COLUMBUS	1011	-164	SHERIDAN	1053	-358

Based on 1951-80 normals.

January Weather in Historical Perspective

Nationally averaged data indicate that January 1992 was very warm and slightly drier than normal. It was the 12th warmest January since 1895 (table 1, fig. 1), and the 38th driest (table 1). The weighted precipitation index, which takes local climatology into account so that typically wet areas do not dominate the index, ranked January 1992 as the 33rd driest on record (fig. 2).

January 1992 was among the warmest on record in the East North Central (6th warmest January), West North Central (3rd warmest), and Northwest (9th warmest) regions (table 1). Only the Southwest region (36th coldest) was cooler than normal. Precipitation rankings varied widely, ranging from 18th driest in the Central region to 20th wettest in the South region. Elsewhere, January 1992 was among the driest third of the

past 98 Januarys in the Northeast (31st driest), West North Central (29th driest), Northwest (24th driest), and West (25th driest) regions.

Since early December 1991, abnormal warmth has cloaked the northern Plains in the form of westerly downslope (chinook) winds. Only in 1957-58 were the first 2 months of winter warmer (fig. 3), although 1986-87 ranks a close third. During the same 2-month period, the South region, and especially Texas, has been besieged by rainstorms, making December 1991-January 1992 the second wettest such period on record, and the wettest since 1931-32 (fig. 4). In contrast, California has endured another slow start to the rainy season, with precipitation since September 1, 1991, accumulating at a rate of only about 60 percent of normal (fig. 5).

TABLE 1. TEMPERATURE AND PRECIPITATION RANKINGS FOR JAN 1992, BASED ON THE PERIOD 1895-1992.
1 = DRIEST/COLDEST, 98 = WETTEST/HOTTEST.

REGION	PRECIPITATION	TEMPERATURE
NORTHEAST	31	65
EAST NORTH CENTRAL	41	93
CENTRAL	18	73
SOUTHEAST	72	55
WEST NORTH CENTRAL	29	96
SOUTH	79	64
SOUTHWEST	63	36
NORTHWEST	24	90
WEST	25	54
NATIONAL	38	87

Figure 1

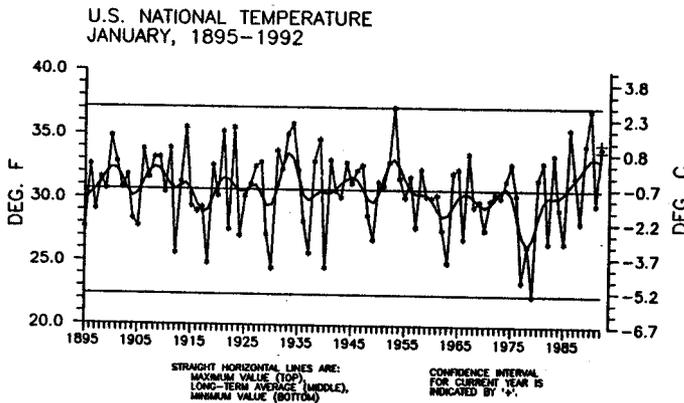


Figure 2

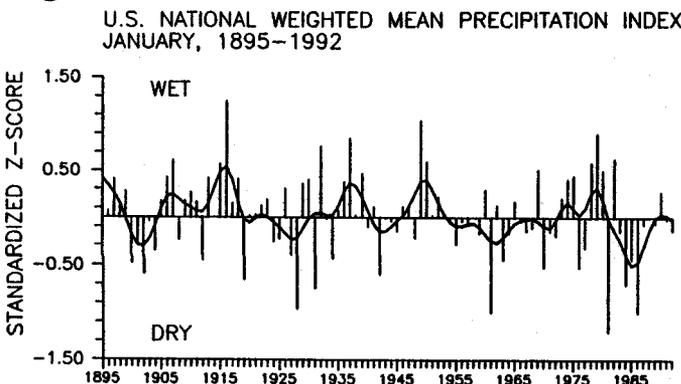


Figure 3

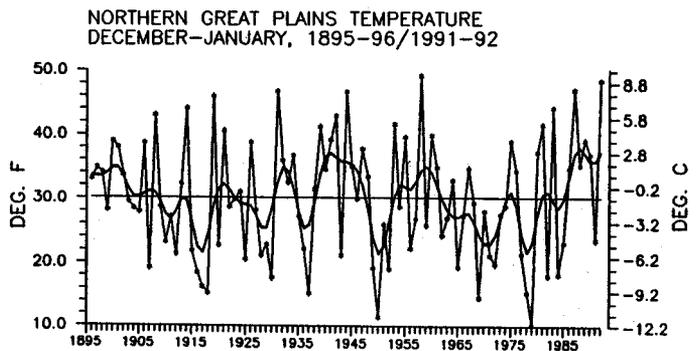


Figure 4

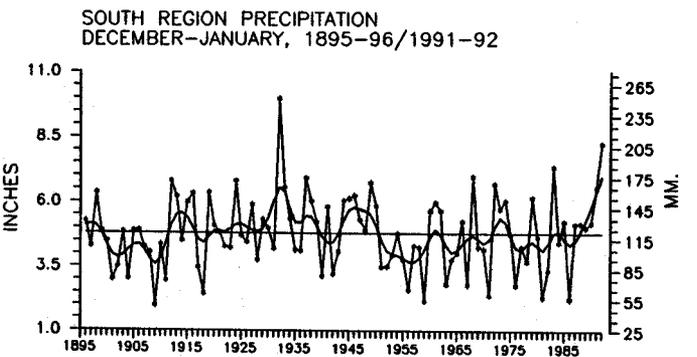
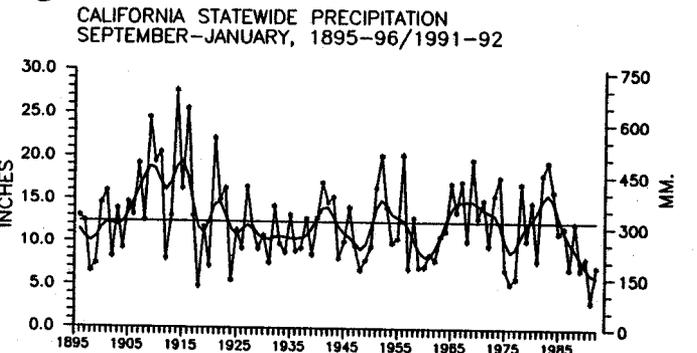


Figure 5



National Agricultural Summary

February 3 - 9, 1992

HIGHLIGHTS: Heavy rains continued to pummel the Gulf region, further stressing crops and preventing field activity. The arrival of rains at the end of the week, with snow at the higher elevations, was welcomed on the west coast. Temperatures continued to average well above normal in the Central United States, although lower temperatures prevailed late in the week.

SMALL GRAINS: Seeding of winter grains was approaching completion in California, and some late seeding of wheat was underway in Tennessee. Soil temperatures in Kansas were too low for development of secondary root growth in wheat, and top growth was halted. Warm weather in Missouri, meanwhile, was bringing some wheat out of dormancy, and some South Dakota producers expressed similar concerns. Winter wheat still lacked protective snow cover across much of the northern Great Plains. Rust and greenbug infestations continued to appear in parts of Texas.

COTTON: Cotton harvest continued under dry conditions in Oklahoma. Stalk shredding remained active in Arizona. Field preparations for planting of the 1992 crop were underway in the drier parts of Arkansas.

OTHER FIELD CROPS: Bermuda and ryegrass were being cut for hay in California's Imperial Valley, and some alfalfa was being greenchopped. Safflower seeding got underway in the Sacramento Valley. Winter potato digging continued in the Perris-Hemet area of California, and the first of Florida's Homestead potatoes were dug. Preparations for corn planting were underway in Florida. Florida's sugarcane harvest remained active, while cane planting was virtually complete. Preparation of tobacco plant beds was completed in the extreme Southeast, but continued further north.

FRUIT AND NUTS: Lemons, grapefruit, oranges, tangerines, and pecans were being picked in

Arizona. Grape growers across the West continued pruning and tying vines, and french plowing for the control of nematodes. Date harvest was completed in California, while citrus and avocado picking continued. Bud swelling was noted in central California almonds and stone fruits, and buds were opening in the southern desert. Early budding of tree fruits was a concern to Oregon and Washington producers due to potential vulnerability to freeze. Early and mid-season orange harvests were virtually complete in Florida, while grapefruit harvest was very active with the extra labor. Florida's honey tangerine and temple harvests were also increasing.

VEGETABLES: Central and western Arizona lettuce harvests continued. Broccoli, cauliflower, and lettuce harvests remained active in the California desert amidst the planting of spring vegetables. Planting of spring crops was also very active in Florida. Harvest of Florida's winter vegetable was steady, with tomatoes, peppers, cabbage, celery, carrots, and squash leading the volume list. Some lettuce and cabbage fields were harvested in the Rio Grande Valley as fields dried. Some cool-season crops were planted in east Texas, but wet field conditions limited progress.

PASTURES AND LIVESTOCK: Calving and lambing increased in the West and got started in the Dakota's. Hay and roughage supplies remained tight in Indiana, but were generally adequate elsewhere. Muddy fields limited grazing in parts of Texas, and supplemental feeding was difficult.

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 NASS State Statistical Offices in cooperation with the National Weather Service.

ALABAMA: Rainfall light to none north; under 0.50 in. central; 1.00 to 2.00 in. south. Temperatures 1° above normal northwest; 1 to 3° above normal elsewhere.

Wet conditions continued to limit field activities south. Winter wheat conditions mostly good to fair; disease pressure light to none. Peach chill hours satisfied for most varieties central areas. Activities: preparing land; pruning, fertilizing fruit, pecan trees; packing, shipping sweet potatoes; repairs; making crop plans; feeding cattle; general care of livestock, poultry, catfish.

ARIZONA: Cloudy, scattered showers, central, southeast, 2nd to 3rd; clear, 4th to 5th;

cloudy, light to heavy rains, statewide, 6th to 8th. Rainfall over 1.00 in. central, less than 1.00 in. elsewhere. Temperatures 2° below normal to 8° above. Extremes 20°; 65° higher elevations, 30°; 78° deserts.

Cotton: stalk shredding light statewide, pre planting preparations beginning west. Alfalfa condition good; sheeping off, moderate to heavy west, weed, insect light to moderate, pre-season weed treatments beginning. Small grains seeded 100%, 100% 1991, 100% avg.; small grains established, 98%, 96% 1991, 97% avg.; small grains jointing, 8%, 17% 1991, 14% avg. Lemons, grapefruit, oranges, tangerines, mixed vegetables, lettuce harvested central, west. Pecans harvested, central.

ARKANSAS: Temperatures above normal, rain in south first of week. Temperature 12°; 72°. Rainfall none to 1.39 in.

All farming activities normal. Some fieldwork northeast; preparing cotton, corn beds, fertilizing wheat. Southwest; fertilizing wheat. No fieldwork southeast, soil still too wet. Cool evening temperatures kept fruit buds dormant. Livestock good, continued to graze wheat in southwest, feeding hay, range cubes continued.

CALIFORNIA: High pressure dominated much of the State early in the week behind a cold front. A split in the flow pattern brought rain to southern areas by midweek with light amounts inching their way up into central, northern areas. Snowfall in the Sierra was light.

Mostly open weather permitted field activities to progress until Friday. Sunshine, warmer weather early week improved small grains, new alfalfa. Seeding small grains, forages still underway isolated areas. Soil moisture adequate most areas, more rain needed soon. Green chopping alfalfa, winter forages continued southern counties. Wheat, alfalfa, garbanzo beans sprayed weed control. Planting safflower just underway Sacramento Valley. General activities included fertilization, herbicide application, pre-irrigation, spring planted crops. Cultural practices in vineyards continued. Stone fruit nut orchards pruned grafted. Deciduous pruning nearly over. New orchards planted. Almond stone fruit treated dormant spray weed control. Kiwi fruit, Ruby Seedless grapes, apples in cold storage. Date harvest completed. Bud swelling, almonds, early varieties peaches, plums, nectarines in Modesto, Visalia. Bud break occurred in desert. One third of Navel oranges picked. Lemon, grapefruit, mandarin, minneola, avocado harvests continued. Exports to United Kingdom, Korea, Saudi Arabia, Spain, Germany, Japan, Philippines. Showers interrupted harvest southern areas. Asparagus beds prepared for harvest, Delta. Broccoli and cauliflower harvest active desert, quality good. Additional supplies continued Salinas and central valley areas. Celery supplies steady despite rain Ventura area. Lettuce harvest desert area active, quality variable. Fall potato movement light. Growers actively preparing fields. Planting melons, peppers, processing tomatoes, other spring vegetables. Range, pasture conditions good to poor. More rain needed. Water supplies poor to very poor. Branding continued active. Sheep grazing alfalfa. Supplemental feeding active. Livestock movement light. Livestock generally good condition.

COLORADO: A weak cold front moved through Colorado on the 3rd bringing light rain, snow to the east and south. Moisture amounts totaled nearly 0.75 in. at a few locations near the Kansas border, most locations reported 0.10 in. or less. Dry conditions prevailed until the 8th when a new system brought the first snow in over three weeks to some areas in the mountains and western valleys but very little new moisture was reported at lower elevations. Temperatures in the San Luis Valley 3 to 6° above normal with the Kansas River Basin to 8 to 10° above normal.

No adverse weather in the winter wheat growing areas, no wind erosion or other problems reported by producers. Weather has been favorable for cattle feeders, cow, calf, sheep producers.

FLORIDA: Temperatures 3 to 5° below normal northern areas, freezing over weekend. Elsewhere, average temperature couple degrees below normal to near normal. Highs: low 70s Panhandle, mid, upper 70s Peninsula. Lows, mid 20s to low 30s north, upper 30s to mid 40s central, interior south, low, mid 50s lower southeast coast. Widespread rain. Mid to late

week, 1.00 to 2.00 in. common, local amounts 2.00 to 3.50 in.

Soil moisture adequate to surplus Panhandle, northern Peninsula; adequate southern Peninsula, short central Peninsula. Tobacco growers maintaining tobacco beds. Corn planting preparations underway. Sugarcane harvest active. Sugarcane planting virtually complete. Cold, windy, rainy weather. Rain very helpful, wind could have blown off some grapefruit. Cold regards growth and bloom. Early mid orange harvest virtually complete. Grapefruit harvest very active with extra labor. Honey tangerine, Temple harvest increasing. Caretakers cutting cover crops, fertilizing, hedging harvested groves. Temperatures warmed during week, fell by weekend over major vegetable areas. Damp weather all areas. Fieldwork slowed. High winds lowered condition some crops, in more southerly areas. Planting spring crops very active. Harvest of winter crops steady. Volume leaders: Tomatoes, peppers, cabbage, celery, carrots, squash. Also available: Potatoes, snap beans, sweet corn, cucumbers, strawberries, lettuce, radishes, eggplant. First Homestead potatoes dug. States pastures poor to good. Pasture ratings 10% poor, 60% fair, 30% good. Moisture levels short to adequate. State's cattle herds poor to good condition.

GEORGIA: Mostly dry week northern quarter. Rain 1 to 2 days central, less than 0.33 in. Rain 2 to 3 days south with 1.00 to 2.00 in.; lighter amounts southeast. Temperatures 1 to 2° above normal extreme north, 2 to 5° below normal elsewhere. Highs around 70°, except low to mid 70s southeast. Lows mid, upper teens northeast, to mid 20s central, around 30 southeast.

Soil moisture short north, surplus elsewhere. Rain limited field operations. Onions fair to mostly good, planting complete. Small grains mostly fair to good, nitrogen applications in selected fields. Tobacco bed preparation complete. Land preparation limited, about 20% complete. Pruning peach trees, west. Pastures poor to fair. Cattle, hogs fair to mostly good.

HAWAII: Windy, chilly weather through midweek with sunny periods following throughout Island chain. High pressure system to the northwest and a gale low to north brought clouds, showers, gusts up to 40 mph across the State. Heavier rain fell windward and higher elevations. Crops benefited from showery weather since 1992 has been drier than usual. Irrigation continued for normal crop development. Temperatures varied high 50s to low 80s. Rainfall none to 2.70 in.

Days suitable for fieldwork 7.0. Banana production light to moderate. Tomato production active. Cucumber productions affected by previous weeks of dry weather. Sugar planting, harvesting normal.

IDAHO: Temperatures 5° below to 10° above normal. Precipitation fell mainly in north, southwest; Grangeville received the most with 0.18 in.

Soil moisture varied across State. Adequate in north, short to adequate in remainder of State. Activities: Marketing potatoes, shipping grain, attending meetings, repairing equipment. Hay, roughage supplies adequate to surplus. Livestock reported in good to excellent condition.

ILLINOIS: Mild, dry weather continued across State. Temperatures 3 to 7° above normal north, near normal south. Little or no precipitation fell across the State.

INDIANA: Temperatures 0 to 6° above normal. Highs mid 30s to mid 40s. Lows, upper teens to mid 20s. Precipitation little to none. Cold weather returned weekend.

Main activities were hauling manure, tending livestock. Other activities: spreading fertilizer

on wheat, selling grain, soil testing, sowing clover, attending sales, purchasing supplies, tax preparation, planning spring work, care of livestock. Winter wheat condition varies from poor to good. Hay supplies tight. Livestock mostly good condition.

IOWA: Temperatures 8 to 11° above normal. Extremes 0° Fayette (9th); 69° Burlington (3rd). Ninth consecutive week of above normal temperatures. Precipitation trace north to 0.32 in. southwest. State average 0.05 in.; weekly normal 0.22 in.

Availability of hay, roughage, 9% short, 84% adequate, 7% surplus. Supplies of roughage, bedding lowest in north central, southeast. Hay quality 62% fair, 38% good. Frost penetration 7.0 in., more than 10.0 in. less than 1991.

KANSAS: Temperatures 12 to 17° above normal. Precipitation light; 0.20 in. to 0.30 west; none to 0.10 in. elsewhere.

Soil temperatures too low to allow wheat to develop secondary root growth; little or no top growth. Livestock producers keeping up with feeding chores under weather conditions that reduce feed requirements, make it easy to get to livestock. No disease problems noted. Some rabid wild animals eastern third of State.

KENTUCKY: Dry, mild week. High temperatures 45 to 50°, 4° above normal. All locations 60s on 3rd. Lows mid 20s, near normal. Low teens on the 9th. Little precipitation, some locations a few hundredths of an inch of rain and a trace of snow.

Dry conditions allowed some early fieldwork. Soil moisture adequate to short. Topsoil dry some areas. Winter grains good most areas. Mild weather beneficial for livestock, lessened feed usage. Only six Kentucky burley markets remain open for sales. Sales volume light with increased tobacco placed under loan.

LOUISIANA: Temperatures 1° below normal to 1° above normal. Extremes 25°; 69°. Rainfall 1.33 in. northeast to 3.83 in. south central.

Main activities: Mainly wet conditions continued. In several cases farmers unable to top dress wheat, rye grass. Drainage work in fields active. Livestock care, feeding also continued. Crawfishing slow due to cool weather.

MARYLAND & DELAWARE: **MARYLAND:** Precipitation none. Temperature 35.0°, normal 33.2°. Extremes 10°; 60°.

Activities: Planning for spring planting; caring for and feeding livestock; checking on newborn livestock; cutting firewood.

DELAWARE: Precipitation none. Temperature 35.1°, normal 34.0°. Extremes 18°; 55°.

Activities: Marketing, caring for livestock; choosing seed varieties for spring; checking on newborn livestock; cutting firewood.

MICHIGAN: Temperatures 5 to 9° above normal. Temperature extremes -17°; 51°. Precipitation none to 0.89 in. across the state. Unseasonably warm temperatures persisted throughout the week until cooler weather returned by the weekend. Livestock are healthy and out in the fields. Feed stocks are in good supply. One reporter said: "Even the deer are having an easy winter, they're out in the fields every day like cattle." Activities included: Fruit tree pruning, purchasing seed for spring planting, caring for livestock.

MINNESOTA: Temperatures 7 to 15° above normal for the State. Extremes -26°; 62°. Precipitation none to 0.02 in.; 0.12 to 0.20 in. below normal. Greatest weekly total 0.05 inches at Int'l Falls. Snowfall averaged 1 in. or less for the State. Snow depth at weekend averaged 10 to 17 in. for the north central, northeast, none to 6 in. elsewhere.

MISSISSIPPI: Temperature 47°, 0.6° above normal. Extremes 20°; 71°. Southern part of the State received some rainfall. Rainfall was 0.93 in., 0.24 in. below normal. Soil temperature 48°.

Days suitable for fieldwork 2.6, 0.6 1991, 0.8 avg. Soil moisture 71% adequate, 29% surplus. Wheat 14% poor, 29% fair, 57% good. Hay supply 100% adequate. Feed grain 20%, 80% adequate. Livestock 50% fair, 50% good.

MISSOURI: Temperatures 5° above normal southeast to 12° above normal north central. Virtually no precipitation occurred.

Warm weather bringing some wheat out of dormancy, more moisture needed for wheat, particularly west central.

MONTANA: Another warm, dry week. Temperatures 5 to 10° above normal west, 10 to 20° above normal east. Precipitation very light across State with trace amounts recorded across the plains.

Winter wheat 10% poor, 51% fair, 36% good, 3% excellent. Winter wheat snow cover protection 100% poor. Cattle, calves on supplemental feed 94%, sheep, lambs 90%. Grazing 96% open. Calving 6% completed, lambing 5% completed.

NEBRASKA: Temperatures 5° above normal in the Panhandle to 10° above normal over the remainder of the State. A trace of precipitation occurred the latter half of the week in the southern half.

NEVADA: High pressure dominated first part of week, low pressure system later brought impressive precipitation southern part of the State ranging from 0.32 to 0.49 in. Most northern stations reported less than 0.10 in. Temperatures well above normal statewide. Extremes 6°; 68°.

Farmers analyzing disaster, feed grain program options. Calving, lambing continues with no problems reported. Main farm, ranch activities: care, feeding of livestock, general maintenance.

NEW ENGLAND: Precipitation 0.05 to 0.70 in. north; 0.05 to 0.25 in. south. Temperatures 7° to low 20s north, low to high 20s south. Maximum temperatures low 20s north to low 40s south; minimums -20° north to high teens south.

Major activities: General repairs, maintenance, tending livestock, moving crops from storage.

NEW JERSEY: Temperatures below normal, averaged 27° north, 30° south, 31° coastal. Extremes 3°; 47°. Precipitation below normal; averaged 0.04 in. north, coastal, 0.09 in. south. Heaviest 24-hour total 0.14 in. on 8th, 9th.

Farmers attending meetings, trade shows; caring for livestock; repairing equipment; doing taxes.

NEW MEXICO: Mild temperatures continued during the week with nearly all areas reporting temperatures 2° to 4° above normal. Southern sections noted the most significant precipitation totals, with the high reported for the week of 0.44 in.

NEW YORK: Typical winter week. Temperatures within a degree or two of normal. Temperatures in many locations dropped below zero on the morning of the 6th. Snow spread across the State on the 4th with accumulations of 2 to 6 in. common. Light snow was widespread on the 7th, 8th.

Activities: caring for livestock, moving crops from storage, planning for upcoming season. Cold weather made outside activities difficult.

NORTH CAROLINA: Weather data not available.

Small grains good condition. Soil moisture adequate to surplus. Hay, roughage supplies and feed grain supplies adequate. Activities: tending livestock; cutting wood; preparing and seeding tobacco plant beds; pruning fruit trees; land preparation; equipment repair; general farm maintenance.

NORTH DAKOTA: Temperatures 18 to 21° above normal. Extremes -15° northeast; 58° north central. No significant precipitation.

Alfalfa, winter wheat, rye good. Livestock good to excellent; calving, lambing started some areas; feed supplies adequate; marketings normal. Grain marketings normal, watching market prices closely.

OHIO: Seasonable temperatures with limited moisture. High temperatures mid 30s to mid 40s. Lows upper teens to upper 20s. Four-inch depth soil temperatures were low to mid 30s. Most locations reported light precipitation. Totals were less than normal, continuing to leave the State drier than usual. Water equivalency was generally 0.05 to 0.15 in. across the State.

OKLAHOMA: Temperatures 2° above normal southeast to 6° above normal northeast, north central, east central. Precipitation none in several districts to 0.54 in. southwest.

Cotton harvest continues. Cattle prices steady.

OREGON: Temperatures near normal statewide, 5° above to 5° below normal. Precipitation widespread, light. Most areas 0.20 in. or less.

Soil moisture mostly adequate western areas; short to adequate eastern areas. Winter wheat fair to good. Orchard, grape, caneberry pruning continued. Budding of tree fruits ahead of normal, some fear of freeze prospects. Livestock condition mostly good. Pastures dry eastern areas, good to excellent western areas. Calving, lambing well underway. Range, pasture, fair to good across most of State.

PENNSYLVANIA: Cold, dry across the State. Temperature 28°, 1° above normal. Extremes 6°; 56°. Precipitation 0.05 in., 0.57 in. below normal.

Activities: Repairing fence; hauling manure; maintaining machinery; caring for livestock.

PUERTO RICO: Rainfall of 0.63 in. was 0.04 in. above normal. Highest rainfall was 2.03 in. at Pico Del Este Luquillo, 1.69 in. San Lorenzo. Highest 24 hour total 1.86 in. at Pico Del Este Luquillo. Divisional temperatures 73 to 76° on the coasts, 68 to 71° interior with mean station temperature 63.4° at Pico Del Este Luquillo to 78° Guayama. Extremes 43°; 90°.

SOUTH CAROLINA: Temperatures 1 to 3° above normal statewide. Rainfall 1.62 in. along coast to less than 0.10 in. elsewhere.

Tobacco seed beds good; small grain good; soil moisture condition adequate; pastures average; livestock good.

SOUTH DAKOTA: Temperatures 8 to 17° above normal. Extremes 0°; 61°. In most areas there was no measurable precipitation. Maximum 0.08 in.

Topsoil 6% critical, 45% short, 45% adequate, 4% surplus. Subsoil 8% critical, 36% short, 56% adequate. Rye 33% fair, 60% good, 7% excellent. Winter wheat 53% fair, 47% good. Livestock 76% good, 24% excellent. Some areas in the State are concerned about the warm weather causing winter wheat to come out of dormancy and make it vulnerable to winter kill. Empty stock dams, dry dusty conditions are causing concern in some areas of the State. Lambing has begun, preparation for calving has also started in the State.

TENNESSEE: Dry, warm week under the influence of high pressure. Weak cold front crossed State midweek, brought slightly cooler weather. No precipitation. Temperatures 1 to 8° above normal.

Topsoil moisture mostly short. Winter wheat good. Some late seeding of wheat underway. Livestock good, herds responding favorably to warm temperatures. Activities: preparing tobacco plant beds and land, pruning fruit trees.

TEXAS: Low pressure system produced heavy rains early in week. Midweek, a dry northwest flow set up keeping showers away. Weak disturbance from west brought mostly light showers. Average rain amounts above normal all districts, heaviest rains East and South Texas with most stations receiving an inch or two. West Texas, most areas 0.30 to 0.75 in. above normal. No strong cold shots into State during week. Temperatures near or below normal over most

regions due to clouds, rainfall early in week. Weak push of cool air at midweek.

Crops: Small grain fields need additional sunshine to improve conditions, plant growth. Limited fertilizer applied to fields as conditions allowed. Blacklands, some fields good yield potential. Rust, greenbug infestations continued some areas. Wheat 79% normal compared 63% 1991.

Commercial Vegetables: Rio Grande Valley, some lettuce, cabbage fields harvested as fields dry. East Texas, some cool season crops planted, wet fields limited planting operations. High Plains, wet conditions hampered land preparations.

Range and Livestock: Range, pasture conditions remained wet, and muddy fields limited grazing. Supplemental feeding a problem because some producers having difficulties getting into pastures. Some cattle suffered weight loss due to wet conditions. Stock tanks full.

UTAH: Temperature maximums, minimums 1° above normal. Very light precipitation was reported in the south central region; none elsewhere.

Activities: caring for livestock; repairing fences; maintaining machinery; hauling manure.

VIRGINIA: Temperatures above normal the first of the week, moved to near normal by midweek, fell to below normal by weekend. Extremes 8°; 72°. Precipitation averaged 0.1 in. or less.

Days suitable for fieldwork 5.1. Topsoil 4% very short, 39% short, 51% adequate, 6% surplus. Winter grains grazing crops 2% very poor, 24% poor, 46% fair, 28% good. Forage from pastures, winter grazing crops dairy cattle 4%, beef cattle 13%, sheep 12%. Liming, fertilizing, topdressing. Pruning fruit trees, gassing tobacco plantbeds. Tapping maple trees, making syrup.

WASHINGTON: Temperatures 2 to 7° above normal west; 4 to 10° above normal east. Precipitation 0.26 to 0.73 in. west; none to 0.25 in. east.

Days suitable for fieldwork 2.3. Soil moisture 35% short, 57% adequate, 8% surplus. Hay, other roughage 16% short, 71% adequate, 13% surplus. Range, pasture 9% very poor, 25% poor, 19% fair, 47% good. Winter wheat 24% fair, 76% good. Winter barley 6% fair, 94% good. Overall, above normal temperatures continued to dominate the state. In Garfield County sudden cold threatened cereal crops. Overall, good conditions existed for winter cereal crops. Some planting of winter wheat continued through the month of January. Warm dry weather continued to dominate the central portions of the state where pruning of vineyards continued. Some early fieldwork was completed in the vegetable growing areas of the state. Early calving started throughout the State. Lambing was in progress in other parts of the State. Temperatures were good for the newborn.

WEST VIRGINIA: Temperature 33°. Extremes 10°; 67°. Precipitation averaged 0.09 in.

Days suitable for fieldwork 3.7. Soil moisture, 6% very short, 13% short, 78% adequate, 3% surplus. Wheat, good. Barley, good. Hay feed supplies, 5% short, 81% adequate, 14% surplus. Other feed supplies, 19% short, 74% adequate, 7% surplus. Cattle, 12% poor, 8% fair, 80% good. Sheep, 37% poor, 5% fair, 58% good. Cows calved, 16%. Sheep lambed, 14%. Farm activities: General maintenance, fencing, calving, lambing.

WISCONSIN: Temperature 23°. Extremes -28°; 58°. Above normal temperatures for most of the week; record highs on the 3rd in Milwaukee and Madison. Up to 8 in. of snow fell in northern areas on the night of the 7th. Light snow on 8th with freezing drizzle joining the snow on the 8th.

Mid-February snow depth 2.9 in.; 4.7 in. 1991; 10.5 in. avg. Frost depth was 11.5 in.; 12.4 in. 1991; 17.1 in. avg.

WYOMING: Warm, dry. Temperatures 1 to 15° above normal across most of the State with the exception being in the far northwest, Laramie valley where isolated areas were below normal. Very little precipitation throughout the State.

1992 Winter wheat fair to good. Additional moisture greatly needed. Livestock mostly good. Supplemental feeding reported. Some producers beginning to calve, lamb. Farmers preparing for spring.

International Weather and Crop Summary HIGHLIGHTS

February 2 - 8, 1992

FORMER USSR: Continued unseasonably warm weather causes winter grains to lose hardiness.

EUROPE: Some beneficial moisture falls in the north, but dryness persists in the west.

EASTERN ASIA: Winter grains are dormant across northern China. Widespread rain aids reservoirs across southern China.

SOUTHEAST ASIA: Showers benefit Java's rice and Malaysia's oil palm.

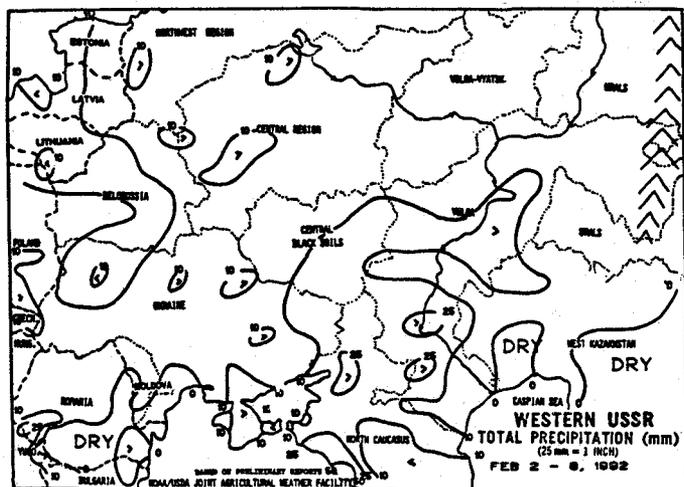
SOUTH ASIA: Showers help winter grains and oilseeds in the northwest.

SOUTH AMERICA: Widespread rain aids reproductive soybeans throughout southern Brazil.

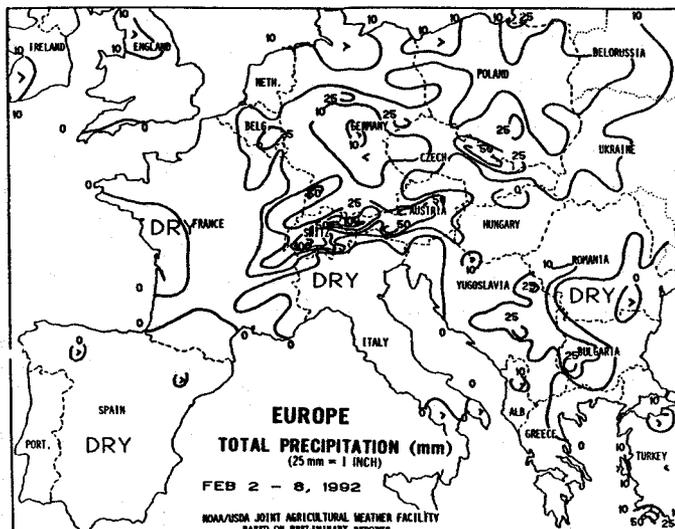
AUSTRALIA: Rain favors eastern summer crops, sugarcane, and pastures.

NORTHWESTERN AFRICA: Drought in Morocco stresses vegetative winter grains. Dry weather returns to crop areas in Algeria and Tunisia.

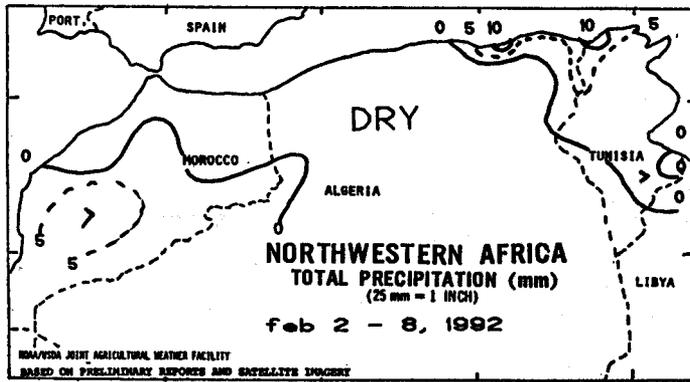
SOUTH AFRICA: Growing conditions deteriorate for reproductive to filling corn.



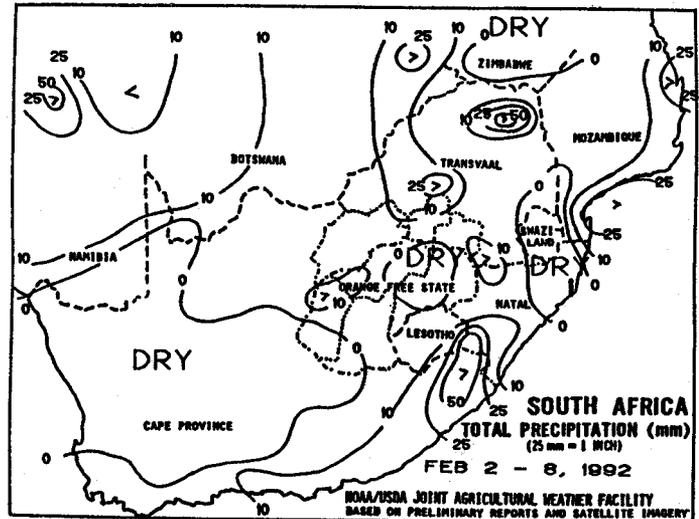
FORMER USSR: Above-normal temperatures continued over winter grain areas, accompanied by widespread, light precipitation. Although the continued unseasonably mild weather was mostly favorable for winter grain, crops are losing hardiness, making them more susceptible to potential winterkill conditions. Average temperatures ranged from 1 to 3 degrees Celsius (C) above normal in the south and from 6 to 8 degrees C above normal in the north. Light precipitation (around 10mm) fell as snow over most of the region. Greatest amounts of moisture (10-25mm) fell in the form of moderate to heavy snow in a band that stretched northward from North Caucasus and eastern Ukraine, into Black Soils Region and lower Volga.



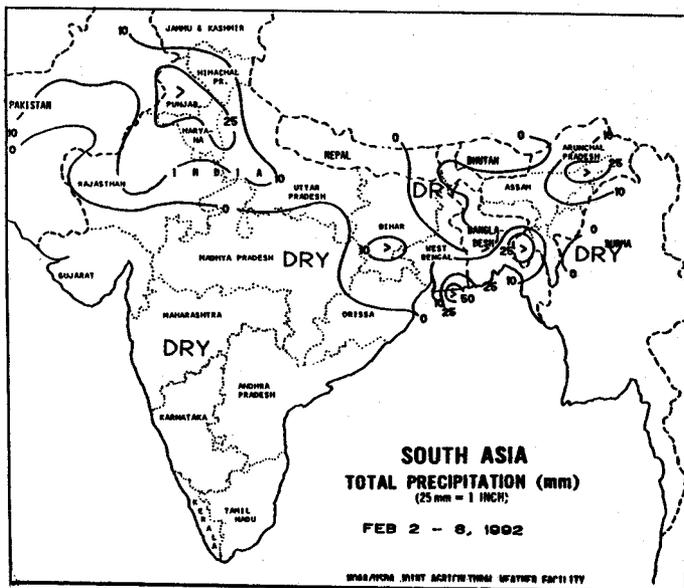
EUROPE: Beneficial precipitation (5-20mm, with scattered amounts reaching 20-35mm) covered dormant winter grains from Belgium across Germany to Poland, and in the southeast along the borders of Romania, Bulgaria, and Yugoslavia. Light precipitation (5mm or less) fell elsewhere in eastern Europe, while heavy precipitation (50-100mm or more) was confined to the Alpine region. Dry weather persisted in the west, with no measurable precipitation reported from southern England across France to the Iberian peninsula and throughout most of Italy. Average temperatures ranged near 5 degrees C in the west, increasing the need for topsoil moisture as winter crops begin to break dormancy and preparations begin for spring plantings. Above-average temperatures prevailed over much of eastern Europe, but high temperatures generally reached only a few degrees above freezing, keeping winter crops dormant.



NORTHWESTERN AFRICA: Little, if any, precipitation covered Moroccan winter grain areas, where drought conditions continued to intensify. Greatest amounts of rainfall (1-9mm) were confined to southernmost crop areas around Marrakech, bringing only temporary relief to drought-stressed crops in the vegetative stage. Further east, dry weather returned to winter grain areas in Algeria and Tunisia, following 2 weeks of beneficial rain.



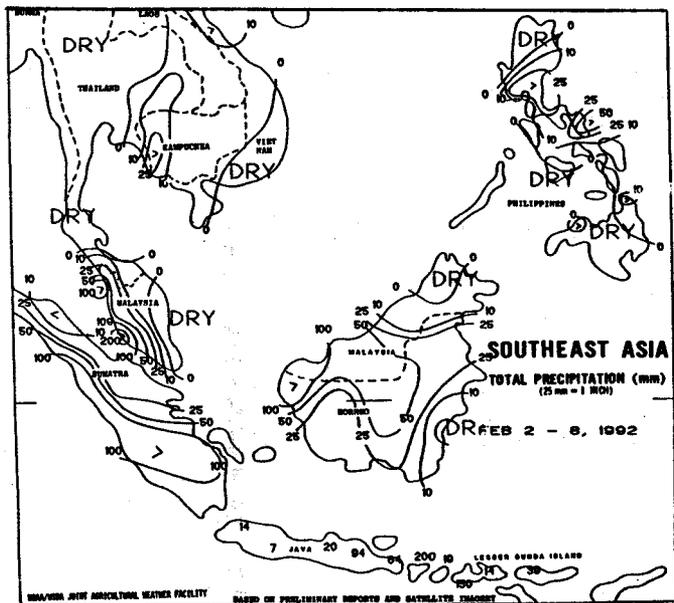
SOUTH AFRICA: Drier- and warmer-than-normal conditions persisted across primary corn regions, worsening the condition of reproductive to filling corn. Rainfall exceeded 10mm in only local corn areas of Transvaal and Orange Free State as high temperatures in the western half of the corn belt frequently exceeded 35 degrees C. A late-week front brought heavy showers (25-74mm) to crop areas of eastern Cape Province and western Natal. However, rain missed Natal's sugarcane crop region as well as most drought-stricken corn areas.



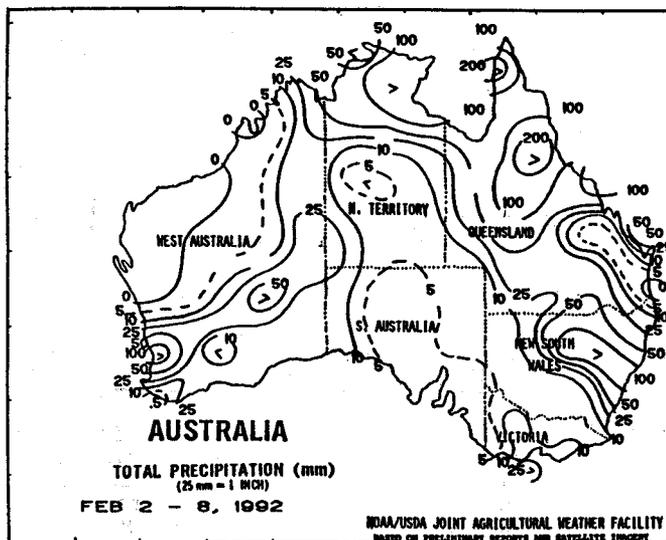
SOUTH ASIA: Scattered showers continued over winter grain and oilseed regions of northern India and Pakistan, benefiting vegetative to reproductive crops. Rainfall ranged from 10 to 33mm from northern Pakistan southeastward to Rajasthan and western Uttar Pradesh. However, rainfall continued to be light over winter crop regions from central Uttar Pradesh eastward, where more rain would be welcomed for rainfed crops advancing through reproduction. Seasonable temperatures favored crop development across the region.



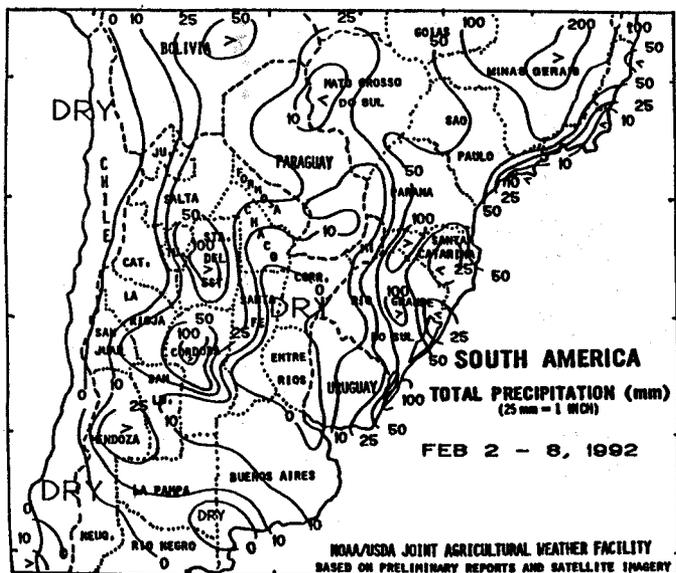
EASTERN ASIA: The southern winter wheat belt received light precipitation (less than 10mm), increasing soil moisture. Widespread moderate to heavy rain (55-100mm) covered southern China, aiding winter crops and reservoirs. Northern winter wheat remained dormant as weekly temperatures averaged 1-2 degrees above normal.



SOUTHEAST ASIA: Heavy showers (50-223mm) returned to most Malaysia's crop areas, especially benefiting western oil palm regions following weeks of drier-than-normal conditions. Variable showers (25-187mm) covered Indonesia's primary rice areas, boosting irrigation reserves. Further north, light rain fell over main season rice areas from eastern Thailand to northern Vietnam, likely having little impact. Drier weather developed over the Philippines, with only local areas of Luzon receiving more than 25mm.



AUSTRALIA: Widespread moderate rain (29-85mm) fell across southern Queensland and northern New South Wales, aiding vegetative cotton and sorghum. Portions of northern New South Wales received heavy rains (137-155mm), replenishing soil moisture but also causing some flooding. Heavy monsoon rains (63-229mm) finally reached the northeastern coast of Queensland, aiding sugarcane. Interior Queensland also received beneficial rain (19-41mm) for pastures. Weekly temperatures averaged near normal to slightly below normal (1-2 degrees C) across the major eastern crop areas.



SOUTH AMERICA: Moderate to heavy showers (40-154mm) spread across most of the major soybean areas in southern Brazil, including the previously dry areas of western Parana, western Rio Grande do Sul, and southern Mato Grosso do Sul. Moisture was timely as the majority of soybeans were at, or near, reproduction. Heavy rains (125-210mm) continued across Minas Gerais, causing some flooding. In Argentina, moderate to heavy rain (75-128mm) fell across northern and central Cordoba, benefiting sorghum. However, lighter amounts (less than 10mm) fell across the southern third of Cordoba, a main soybean area, where conditions have been tending dry. For the majority of the soybean and northern cotton areas, soil moisture is adequate and recent dry conditions have been favorable for crops following the previous heavy rains. However, moisture will be needed if dryness continues over the next couple of weeks. Weekly temperatures averaged 1-3 degrees C above normal across the major crop areas of Argentina and southern Brazil.

