WEEKLY WEATHER AND CROP BULLETIN

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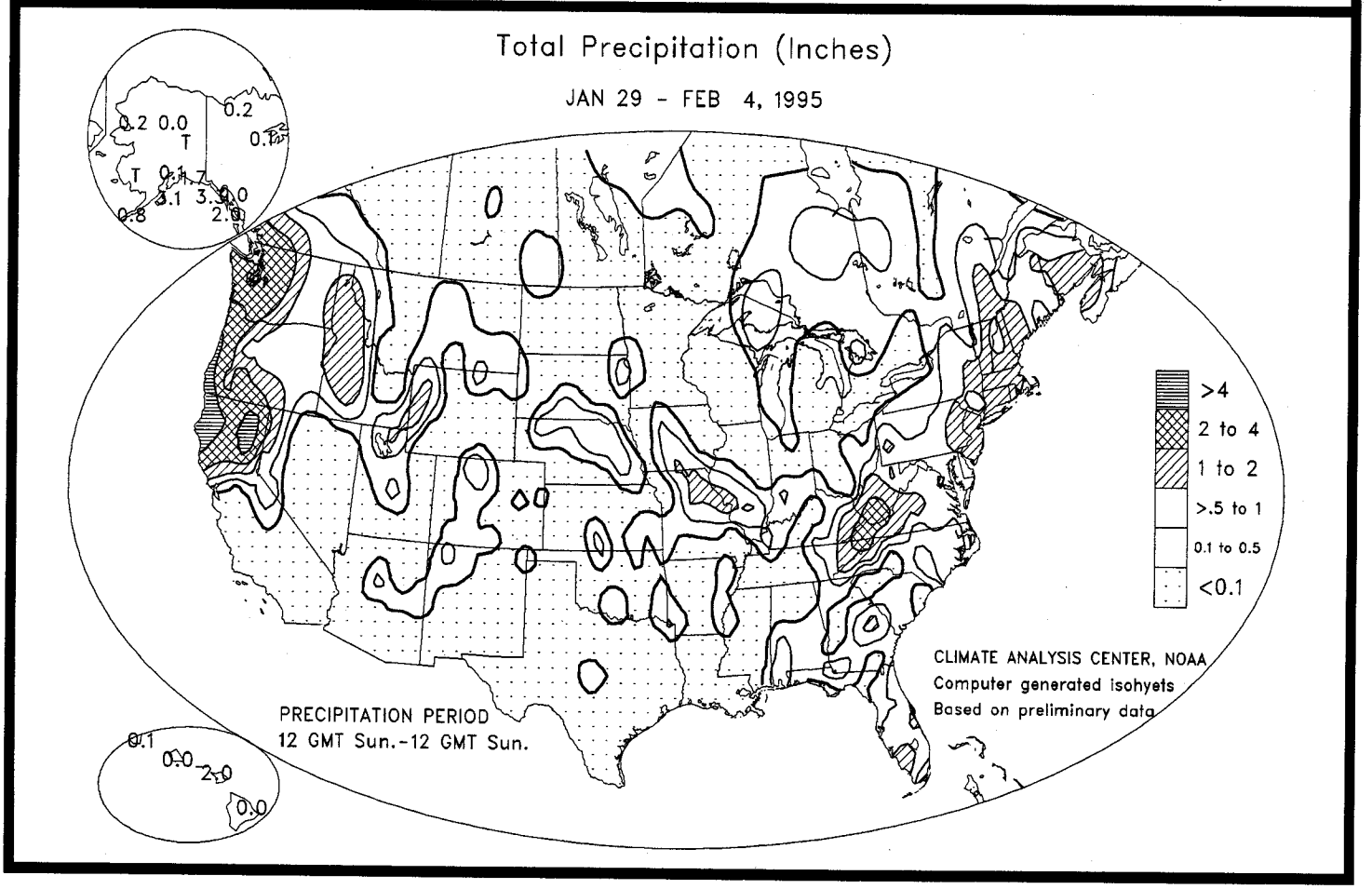

HIGHLIGHTS

January 29 - February 4, 1995

A strengthening ridge of high pressure aloft brought record warmth to the **Western and Southern States**, and deflected several disturbances around its northern flank through the **Pacific Northwest**, causing snow-melt and rain-induced flooding. Late in the week, one of the disturbances rounded the ridge and plunged southeastward, intensifying as it crossed the **Ohio Valley**. An additional infusion of arctic energy provided the impetus for winter's first widespread blast of snow, wind, and cold in the **Northeast**.

Early in the week, patches of light frozen precipitation affected areas from the **southern Rockies** to the **Middle Atlantic States**. On Sunday, **Tahlequah, OK** tallied 3 inches of snow, while by late Monday the 3-day snowfall reached 8 inches in **Roanoke, VA**. In the wake of the storminess, cool air

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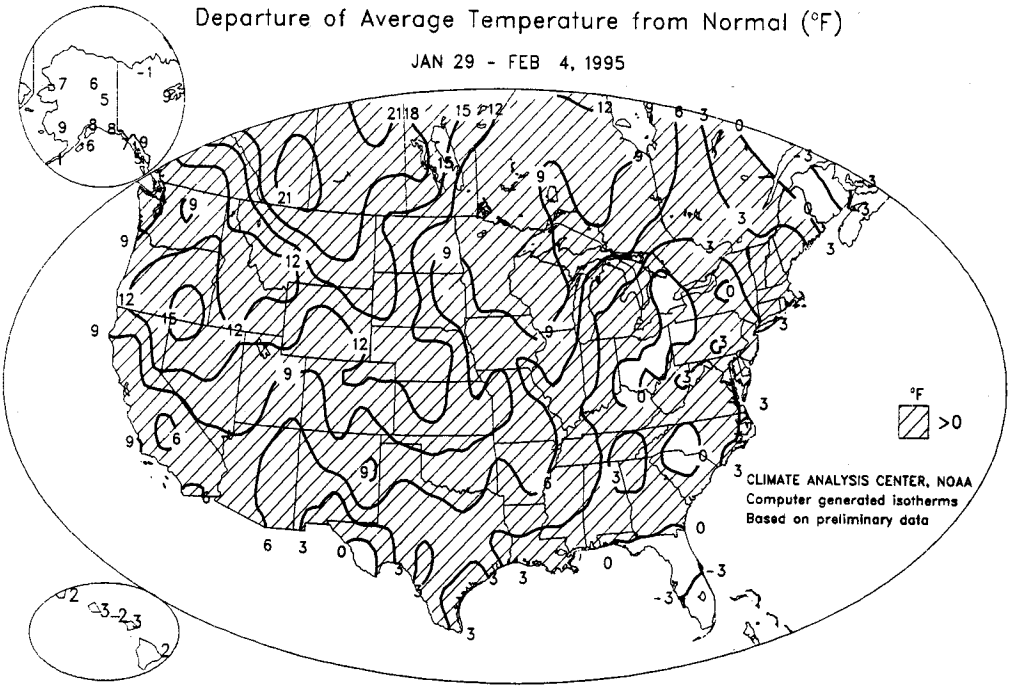
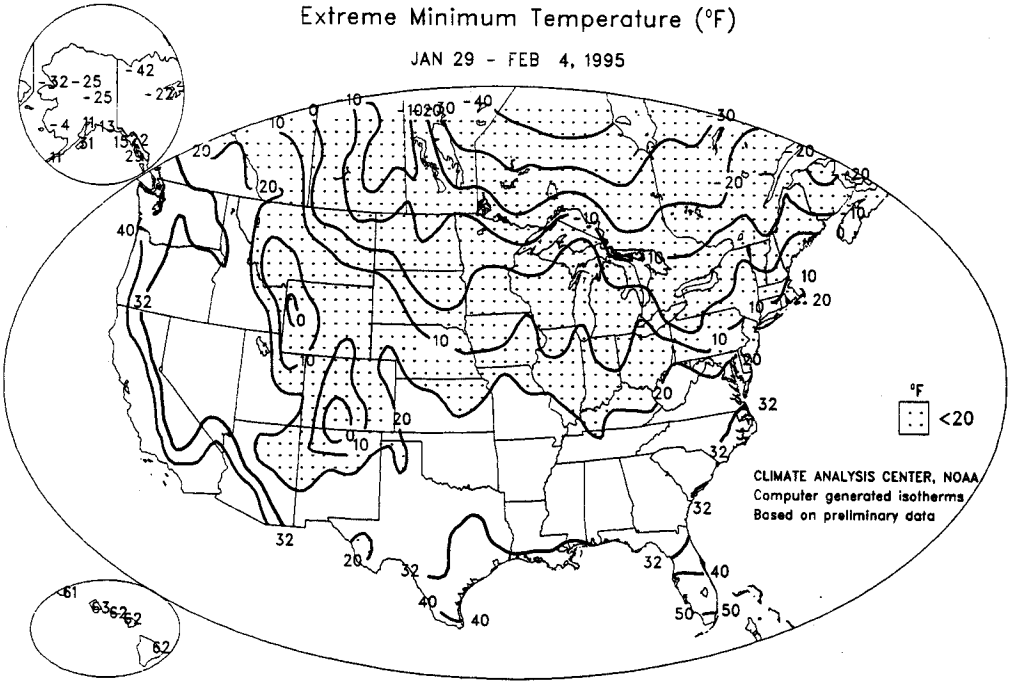
briefly settled into the **Gulf Coast States**, lowering readings to 35°F in **Corpus Christi, TX** on Tuesday, and to 29°F in **Gainesville, FL** on Wednesday.

Heavy rain fell in the **Northwest** through midweek, totaling 4.08 inches in **Quillayute, WA**, 2.94 inches in **Eureka, CA**, and 2.29 inches in **Salem, OR**. Areas affected by minor river flooding included portions of **northern California's** Sacramento basin, **northeastern Oregon's** Grande Ronde and Umatilla basins, and **southern Washington's** Klickitat and Yakima basins. With the rain came warmth, including a January-record high of 70°F in **Pendleton, OR** on Tuesday. Farther east, very windy and warm conditions kept the **High Plains** free of snow. On Thursday, **Cheyenne, WY** registered a gust to 64 mph, while **Goodland, KS** clocked 61 mph. With a high of 70°F, **Garden City, KS** tied its daily record for February 2.

The core of the ridge intensified across the **Southwest** after midweek. **Los Angeles (Civic Center), CA** set its first of four consecutive daily records on Wednesday, and tied its February record with 94°F on Thursday and Friday. **Santa Maria, CA** (89°F) also equaled its February record on February 2. Warmth spread eastward across the **Southern States** late in the week. Highs topped 80°F on Thursday as far east and north as **Pine Bluff, AR**. A day later, **Atlanta, GA** set a daily record with 76°F.

Meanwhile, a developing storm moved from the **northern Plains** into the **middle Mississippi Valley**, initiating a band of light rain. As the system interacted with colder air over the **Ohio Valley** and the **Northeast**, precipitation fell as snow, except along the coast. **Philadelphia, PA** (8.8 inches) received its first measurable snowfall of the season, while **Albany, NY** (13.3 inches) more than doubled its season-to-date accumulation. Totals ranged from 1 to 2 feet in **northern New England**, where **Caribou, ME** measured 24.3 inches and **Burlington, VT** (19.4 inches; 16.8 inches on February 4) received its greatest February single-day snowfall. In addition, winds in **New England** rose above gale force, with peak gusts on Saturday reaching 79 mph at **Cape Elizabeth, ME** and 56 mph in **Portland, ME**. Farther west, snow squalls downwind of the **Great Lakes** dumped more than 1 foot in locally favored areas. Rain fell on the storm's southern periphery, and a pair of tornadic thunderstorms sliced across **Lee County, Florida**, near **Ft. Myers**. By Sunday morning (February 5), bitter cold swept across the Nation's northeastern quadrant. Temperatures dipped to -27°F in **International Falls, MN** and to -9°F in **Houghton Lake, MI**. In contrast, mild weather persisted in the **High Plains**, where lows ranged through the 20's and 30's.





Outside of the contiguous United States, portions of the **Hawaiian chain** received drought relief. **Kahului, Maui**, received 2.02 inches early in the week, boosting their January rainfall to more than 50 percent of normal. In **interior Alaska**, record warmth arrived less than 10 days after the coldest outbreak in 2 years. On Sunday, February 5, the high of 38°F in **Bettles** was their second warmest February day on record, and 94°F higher than the low of -56°F on January 27. In **Puerto Rico, San Juan** posted a high of 89°F on Tuesday, a record for the date.

National Weather Data for Selected Cities

Weather Data for the Week Ending February 4, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	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
AL BIRMINGHAM	57	32	73	22	44	2	.1	-1.0	.1	8.1	75	4.0	69	89	46	0	4	1	0
MOBILE	63	40	77	28	51	1	.3	-.9	.3	10.4	97	7.4	135	90	38	0	2	1	0
MONTGOMERY	61	37	75	27	49	4	.3	-.9	.2	10.8	100	6.3	111	88	36	0	2	2	0
AK ANCHORAGE	29	20	33	11	24	8	.1	-.1	.1	2.0	103	.5	58	92	81	0	7	2	0
BARROW	-25	-40	0	-51	-32	-16	T	.0	T	.2	85	.1	43	74	69	0	7	0	0
FAIRBANKS	6	-12	23	-25	-3	5	T	-.1	T	.7	55	.3	50	82	75	0	7	2	0
JUNEAU	38	30	43	22	34	9	T	-1.0	T	3.5	37	T	0	96	76	0	5	0	0
KODIAK	39	34	42	31	36	6	3.1	1.6	2.4	18.4	122	9.9	120	96	81	0	3	6	1
NOME	12	-3	33	-21	4	-1	.3	.2	.3	3.7	210	1.9	209	79	61	0	7	2	0
AZ PHOENIX	75	47	82	41	61	5	.0	-.1	.0	4.4	255	1.4	181	65	20	0	0	0	0
PRESCOTT	62	29	67	22	46	8	.0	-.4	.0	2.3	68	.9	54	70	23	0	5	0	0
TUCSON	75	42	83	35	59	6	.0	-.2	.0	5.1	250	1.4	144	64	16	0	0	0	0
YUMA	79	53	84	49	66	7	.0	-.1	.0	2.8	337	1.6	438	74	23	0	0	0	0
AR FORT SMITH	56	31	77	23	44	5	.1	-.4	.1	7.0	133	3.2	146	82	49	0	4	1	0
LITTLE ROCK	57	36	79	27	47	7	T	-.7	T	8.0	99	4.0	115	68	41	0	2	1	0
CA BAKERSFIELD	61	46	66	42	54	3	T	-.2	T	3.6	223	2.3	229	90	42	0	0	0	0
EUREKA	65	53	71	46	59	11	2.9	1.7	1.6	20.0	157	13.0	194	91	52	0	0	4	2
FRESNO	61	47	65	43	54	6	T	-.4	T	6.8	185	5.4	243	98	55	0	0	1	0
LOS ANGELES	80	54	88	51	67	10	.0	-.6	.0	13.8	312	12.7	461	84	26	0	0	0	0
REDDING	63	48	72	40	55	7	2.0	.7	1.4	28.4	232	23.0	340	99	68	0	0	4	1
SACRAMENTO	62	51	67	46	57	9	.2	-.7	.2	--	--	12.4	289	100	81	0	0	2	0
SAN DIEGO	75	51	81	48	63	5	.0	-.4	.0	8.9	244	8.1	397	93	28	0	0	0	0
SAN FRANCISCO	62	51	69	48	57	6	.2	-.8	.2	11.4	143	8.9	183	97	57	0	0	1	0
CO DENVER	56	31	65	22	44	12	.1	.0	.1	.5	42	.2	38	77	31	0	3	1	0
GRAND JUNCTION	52	27	57	22	39	8	.0	-.1	.0	1.3	100	.6	109	81	35	0	7	0	0
PUEBLO	62	16	72	5	39	7	T	-.1	T	.3	32	T	3	80	18	0	7	0	0
CT BRIDGEPORT	38	24	44	16	31	3	.9	.1	.9	7.6	106	3.8	105	72	42	0	6	1	1
HARTFORD	39	17	46	10	28	3	1.8	1.1	1.8	11.1	142	5.7	147	74	33	0	7	1	1
DC WASHINGTON	42	28	48	22	35	0	.6	-.1	.6	6.2	99	3.8	123	77	45	0	6	2	1
FL PANAMA CITY	59	46	68	33	52	1	.1	-1.1	.1	5.1	48	2.1	36	89	59	0	0	1	0
DAYTONA BEACH	67	44	78	34	56	-2	.2	-.5	.2	4.4	77	1.7	53	96	40	0	0	2	0
JACKSONVILLE	66	40	78	29	53	-2	.5	-.3	.4	6.4	97	2.4	67	96	44	0	2	2	0
KEY WEST	73	58	81	54	66	-4	1.1	.7	.8	8.8	203	4.3	185	91	64	0	0	3	1
MIAMI	72	55	81	48	64	-4	.4	-.1	.3	8.2	197	3.2	140	91	58	0	0	3	0
ORLANDO	67	47	77	37	57	-3	.7	.1	.6	4.7	97	1.7	61	95	58	0	0	2	1
TALLAHASSEE	65	36	77	23	50	-1	.4	-.8	.4	6.4	61	3.7	67	94	43	0	4	1	0
TAMPA	67	49	74	41	58	-2	.8	.2	.3	5.4	119	3.8	162	99	59	0	0	3	0
WEST PALM BEACH	70	51	80	47	60	-5	.8	.1	.5	4.5	88	2.4	83	93	60	0	0	2	0
GA ATLANTA	57	36	76	30	46	5	.1	-1.0	.1	5.0	51	3.4	63	82	51	0	4	3	0
AUGUSTA	58	33	75	25	45	1	.5	-.5	.5	7.1	89	4.2	90	94	49	0	3	1	1
MACON	59	35	74	27	47	1	.8	-.3	.8	7.8	82	5.1	97	92	46	0	3	1	1
SAVANNAH	61	39	74	31	50	1	.4	-.4	.3	7.3	104	2.9	71	92	53	0	1	2	0
HI HILO	82	65	86	62	74	2	.0	-2.3	.0	10.5	45	4.5	40	89	62	0	0	0	0
HONOLULU	83	68	84	63	75	3	T	-.7	T	.4	5	.2	6	88	60	0	0	0	0
KAHULUI	81	68	84	62	74	3	2.0	1.2	1.4	3.0	39	2.7	59	89	63	0	0	2	2
LIHUE	81	67	83	61	74	2	.1	-1.0	.1	1.0	9	1.0	15	79	58	0	0	1	0
ID BOISE	51	36	57	31	44	11	.5	.2	.3	4.1	138	2.3	141	86	45	0	3	3	0
LEWISTON	54	42	61	37	48	12	.6	.3	.5	3.0	113	1.9	135	77	55	0	0	2	1
POCATELLO	47	32	51	25	39	14	.1	-.1	.1	2.8	124	1.6	132	88	56	0	4	3	0
IL CHICAGO	34	22	42	12	28	7	T	-.3	T	4.5	109	3.2	190	80	55	0	7	1	0
MOLINE	34	21	42	8	28	7	T	-.3	T	4.9	126	3.3	193	86	61	0	7	0	0
PEORIA	36	23	43	12	29	7	.1	-.2	.1	5.1	125	2.9	174	86	67	0	7	1	0
QUINCY	35	23	45	15	29	4	.9	.6	.5	4.5	116	3.0	198	94	74	0	6	3	1
ROCKFORD	34	18	41	2	26	7	T	-.3	T	3.0	87	1.8	123	96	66	0	7	0	0
SPRINGFIELD	38	25	48	16	32	6	.3	.0	.3	6.3	142	4.3	252	89	63	0	5	1	0
IN EVANSVILLE	42	28	56	20	35	2	.2	-.5	.2	5.7	78	3.1	89	86	64	0	5	3	0
FORT WAYNE	33	18	41	3	25	2	T	-.4	T	4.7	93	2.4	113	90	64	0	6	2	0
INDIANAPOLIS	34	23	45	13	29	3	.1	-.4	.1	4.2	71	2.6	98	89	65	0	6	2	0
SOUTH BEND	33	20	40	7	26	3	.3	-.2	.3	4.9	85	2.4	97	89	61	0	7	1	0
IA DES MOINES	35	22	48	11	28	8	.5	.3	.2	3.9	159	1.4	135	91	63	0	7	3	0
SIOUX CITY	35	19	48	7	27	8	.1	-.1	.1	1.4	101	.4	62	91	59	0	7	1	0
WATERLOO	32	19	40	10	26	10	T	-.2	T	2.2	98	.8	89	89	68	0	7	0	0
KS CONCORDIA	51	27	65	18	39	12	T	-.1	T	2.0	136	.8	122	85	53	0	6	0	0
DODGE CITY	59	28	71	24	44	12	T	-.1	T	1.6	131	.6	116	83	36	0	6	0	0
GOODLAND	56	26	68	22	41	12	T	-.1	T	.7	91	.3	76	84	41	0	6	0	0
TOPEKA	48	26	61	19	37	9	T	-.2	T	3.0	122	1.5	142	94	56	0	7	0	0
WICHITA	55	27	70	20	41	9	T	-.2	T	1.4	57	.3	32	90	48	0	5	0	0
KY BOWLING GREEN	45	30	60	21	38	4	T	-.9	T	4.6	49	2.2	51	94	67	0	3	0	0
LEXINGTON	37	24	51	18	30	-1	.1	-.6	.1	8.9	123	5.1	155	89	73	0	6	3	0
LOUISVILLE	40	27	54	20	33	1	T	-.7	T	6.0	87	3.1	94	85	62	0	5	1	0
LA BATON ROUGE	63	41	77	31	52	2	.0	-1.3	.0	8.3	73	5.2	92	91	44	0	2	0	0
LAKE CHARLES	64	43	77	32	54	3	T	-.9	T	12.3	121	5.3	105	93	44	0	1	1	0
NEW ORLEANS	63	42	77	31	53	1	T	-1.4	T	8.3	71	3.7	62	91	40	0	1	0	0
SHREVEPORT	63	38	83	28	51	5	T	-1.0	T	13.4	140	5.4	113	82	35	0	2	2	0

Based on 1961-90 normals.

Weather Data for the Week Ending February 4, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	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
ME CARIBOU	18	-1	33	-19	8	0	.8	.3	.5	9.3	156	6.2	230	83	62	0	7	4	0
PORTLAND	36	14	47	8	25	4	.7	-.1	.7	11.8	137	5.6	140	79	39	0	7	1	1
MD BALTIMORE	44	27	53	21	35	3	.7	.0	.7	5.0	72	3.0	86	73	43	0	6	1	1
SALISBURY	45	28	53	22	37	2	.6	-.3	.5	3.9	50	2.3	56	91	51	0	7	2	1
MA BOSTON	38	22	48	13	30	2	.3	-.5	.3	10.0	123	4.6	113	66	38	0	6	1	0
CHATHAM	39	27	46	21	33	3	T	-.9	T	2.7	31	1.1	25	78	38	0	5	0	0
MI ALPENA	31	7	36	-2	19	2	.1	-.2	.1	2.3	60	1.9	105	92	65	0	7	2	0
DETROIT	34	18	39	10	26	3	T	-.3	T	4.9	102	2.5	127	87	57	0	7	1	0
FLINT	31	11	35	2	21	0	.1	-.2	.1	3.9	106	2.2	139	91	58	0	7	2	0
GRAND RAPIDS	33	15	37	6	24	3	.1	-.2	.1	4.0	81	2.8	141	89	63	0	7	2	0
HOUGHTON LAKE	31	12	34	1	21	5	.1	-.2	.1	2.7	75	2.2	131	90	63	0	7	2	0
LANSING	32	11	36	0	21	2	.1	-.2	.1	4.0	108	2.4	148	94	61	0	7	1	0
MARQUETTE	28	12	37	1	20	9	1.1	.7	.6	2.9	58	2.5	105	90	78	0	7	3	1
MUSKEGON	33	17	39	6	25	2	.2	-.2	.1	4.0	72	3.0	118	92	66	0	7	2	0
SAULT ST. MARIE	28	8	33	-15	18	6	.3	-.2	.2	3.1	56	2.5	94	85	60	0	7	2	0
MN ALEXANDRIA	26	10	37	-1	18	9	T	-.2	T	.8	45	.4	41	93	70	0	7	0	0
DULUTH	28	12	38	-8	20	12	T	-.2	T	1.7	67	1.4	105	86	58	0	7	1	0
INT'L FALLS	25	0	35	-17	13	10	T	-.2	T	1.7	93	1.0	106	88	58	0	7	2	0
MINNEAPOLIS	32	18	46	6	25	12	T	-.2	T	.9	42	.4	35	88	55	0	7	0	0
ROCHESTER	28	17	39	6	23	10	T	-.2	T	1.1	58	.5	52	87	67	0	7	0	0
MS GREENWOOD	57	37	75	25	47	3	T	-1.1	T	5.7	50	3.1	56	89	46	0	2	0	0
JACKSON	59	35	76	24	47	3	T	-1.2	T	7.0	56	3.7	60	89	42	0	3	0	0
MERIDIAN	61	35	79	24	48	2	T	-1.2	T	10.5	88	3.6	61	90	42	0	2	0	0
MO CAPE GIRARDEAU	45	30	57	24	38	5	.2	-.5	.2	6.1	78	3.8	114	91	54	0	4	1	0
COLUMBIA	39	27	50	20	33	6	1.0	.6	.6	6.6	153	5.7	337	88	67	0	5	2	1
KANSAS CITY	45	27	59	18	36	9	.1	-.1	.1	3.3	118	1.5	126	88	53	0	5	2	0
SAINT LOUIS	42	30	56	22	36	6	.8	.5	.7	6.8	133	5.2	256	79	58	0	4	3	1
SPRINGFIELD	50	30	66	23	40	8	.1	-.2	.1	5.2	112	4.0	212	87	52	0	5	3	0
MT BILLINGS	50	34	58	22	42	16	T	-.2	T	.8	43	.5	52	71	41	0	2	0	0
GLASGOW	43	23	53	1	33	20	T	-.1	T	.1	15	T	0	90	66	0	7	0	0
GREAT FALLS	52	31	58	20	42	18	T	-.2	T	.2	11	T	2	73	32	0	4	0	0
HAVRE	49	28	55	5	39	22	T	-.1	T	.6	49	.1	8	87	56	0	3	0	0
HELENA	47	25	56	10	36	14	T	-.1	T	.1	7	T	1	86	52	0	4	1	0
KALISPELL	41	29	46	20	35	12	.4	.1	.2	1.8	53	1.1	65	95	68	0	5	3	0
MILES CITY	51	29	61	14	40	21	.1	.0	.0	.2	17	.2	26	87	40	0	4	2	0
MISSOULA	44	29	53	20	36	11	.4	.2	.2	1.7	66	1.1	78	93	68	0	6	4	0
NE GRAND ISLAND	50	22	66	15	36	12	.2	.1	.2	1.2	92	.6	105	91	53	0	7	1	0
LINCOLN	43	20	57	10	32	9	.4	.3	.4	2.1	141	1.0	173	97	63	0	7	1	0
NORFOLK	43	22	61	8	33	12	.3	.2	.3	1.8	137	.8	138	89	57	0	7	1	0
NORTH PLATTE	56	21	66	17	39	15	T	-.1	T	.8	90	.1	32	92	33	0	7	1	0
OMAHA	41	22	56	11	31	8	.2	.0	.2	2.2	119	1.0	118	92	57	0	7	1	0
SCOTTSBLUFF	51	27	61	16	39	12	.1	.0	.1	2.1	191	1.2	217	90	45	0	5	1	0
VALENTINE	49	20	64	9	35	11	.2	.1	.1	.8	83	.2	39	83	41	0	7	3	0
NV ELY	51	25	58	22	38	11	T	-.2	T	1.6	100	.9	111	87	43	0	7	0	0
LAS VEGAS	69	44	77	40	57	8	.0	-.1	.0	4.1	443	3.0	545	71	25	0	0	0	0
RENO	60	35	66	29	48	12	.1	-.2	.0	3.5	157	3.4	266	92	40	0	3	2	0
WINNEMUCCA	57	35	61	27	46	14	.1	-.1	.1	1.8	106	1.3	157	91	47	0	3	1	0
NH CONCORD	36	11	46	1	24	5	.6	.0	.6	8.1	135	4.0	139	93	45	0	7	1	1
NJ ATLANTIC CITY	42	21	52	13	32	1	.8	.1	.8	5.8	80	3.7	93	88	48	0	7	1	1
NM ALBUQUERQUE	58	32	66	22	45	9	T	-.1	T	1.2	112	.6	100	64	26	0	3	1	0
CLOVIS	62	31	77	24	47	9	T	-.1	T	.6	58	.2	40	72	22	0	4	0	0
ROSWELL	65	35	79	24	50	9	.1	.0	--	--	--	--	--	78	31	0	3	-	-
NY ALBANY	35	16	45	7	26	5	.8	.3	.8	5.5	98	2.9	109	81	40	0	6	2	1
BINGHAMTON	30	13	34	1	21	1	.6	.0	.6	6.3	110	3.3	121	88	49	0	7	3	1
BUFFALO	30	14	35	5	22	0	.1	-.5	.1	7.6	114	5.0	164	86	59	0	7	1	0
NEW YORK	40	25	47	17	33	2	1.5	.8	1.4	7.6	112	4.9	142	66	33	0	6	2	1
ROCHESTER	33	18	39	8	25	2	.2	-.3	.2	5.0	98	2.7	113	86	54	0	7	2	0
SYRACUSE	30	12	42	0	21	-1	.3	-.2	.2	4.6	79	2.1	79	88	52	0	7	2	0
NC ASHEVILLE	46	29	58	20	38	1	.1	-.8	.0	10.2	114	7.1	160	95	62	0	6	4	0
CHARLOTTE	48	31	58	26	40	0	.2	-.7	.1	6.3	81	4.4	103	92	58	0	5	4	0
GREENSBORO	46	29	56	22	37	0	.2	-.5	.1	3.8	53	3.2	87	93	58	0	5	4	0
HATTERAS	54	42	60	38	48	4	1.4	.3	1.4	15.1	145	10.2	173	84	42	0	0	1	1
NEW BERN	54	37	65	32	45	2	.1	-.9	.1	3.9	45	2.6	53	88	51	0	1	1	0
RALEIGH	47	32	58	30	39	0	.4	-.4	.3	6.1	85	4.9	122	97	57	0	6	4	0
WILMINGTON	58	37	66	33	48	4	.4	-.7	.4	12.3	130	5.4	100	93	50	0	0	1	0
ND BISMARCK	33	11	45	-11	22	11	T	-.1	T	.7	73	.5	87	91	73	0	7	2	0
FARGO	27	8	36	-2	17	10	T	-.1	T	1.0	71	.8	105	87	71	0	7	1	0
GRAND FORKS	27	8	40	-1	17	12	--	--	--	--	--	--	--	90	68	0	7	-	-
WILLISTON	36	14	45	-11	25	14	T	-.1	T	2.0	165	.9	157	93	74	0	7	1	0
OH AKRON-CANTON	32	15	36	10	24	-1	.1	-.4	.1	7.9	147	4.9	202	86	54	0	7	2	0
CINCINNATI	33	22	44	11	27	-1	.6	.0	.5	6.9	114	4.1	140	91	72	0	7	2	0
CLEVELAND	34	18	39	12	26	2	.3	-.1	.3	9.1	168	6.1	266	89	58	0	6	2	0
COLUMBUS	34	18	39	15	26	2	.2	-.2	.1	7.0	133	4.8	212	91	62	0	7	3	0
DAYTON	32	18	42	12	25	-1	.3	-.2	.2	5.4	101	2.6	110	93	68	0	7	3	0

Based on 1961-90 normals.

Weather Data for the Week Ending February 4, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTRME 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
TOLEDO	33	17	40	7	25	2	T	-.4	T	6.2	126	3.1	157	90	66	0	6	0	0
YOUNGSTOWN	33	14	36	7	24	0	.1	-.4	.1	5.8	108	2.5	105	87	56	0	7	2	0
OK OKLAHOMA CITY	59	31	77	24	45	8	T	-.3	T	2.9	107	1.3	98	83	37	0	5	0	0
TULSA	58	33	75	27	46	9	T	-.4	T	2.2	55	.9	53	81	41	0	5	1	0
OR ASTORIA	56	47	59	38	51	8	1.8	-.3	.9	25.5	117	10.7	95	97	88	0	0	5	2
BURNS	49	33	53	27	41	15	.7	.5	.3	--	--	3.1	280	91	65	0	3	3	0
MEDFORD	62	44	65	35	53	13	1.0	.5	.6	5.2	82	4.1	136	96	50	0	0	4	1
PENDLETON	58	40	70	33	49	13	.8	.5	.3	3.7	113	2.9	170	88	54	0	0	4	0
PORTLAND	57	44	62	38	51	10	1.8	.7	.6	10.8	89	6.0	100	95	54	0	0	4	2
SALEM	59	46	62	39	52	11	2.3	1.1	.9	13.9	103	8.9	135	98	59	0	0	4	2
PA ALLENTOWN	39	19	43	12	29	2	.8	.0	.7	7.3	104	4.3	118	77	40	0	7	2	1
ERIE	31	17	35	9	24	0	.2	-.3	.2	6.8	111	3.6	143	83	55	0	7	2	0
HARRISBURG	38	27	46	17	32	4	.4	-.3	.3	6.8	106	3.9	124	74	40	0	5	2	0
PHILADELPHIA	42	24	50	18	33	3	1.1	.3	.9	6.3	83	4.2	106	80	45	0	7	3	1
PITTSBURGH	35	19	40	12	27	1	.5	.0	.3	4.7	82	2.7	96	80	48	0	7	3	0
SCRANTON	36	16	40	7	26	2	.4	-.1	.4	5.4	109	3.1	129	81	41	0	7	1	0
RI PROVIDENCE	41	21	49	13	31	3	.9	.0	.9	9.1	104	4.6	104	68	36	0	7	1	1
SC CHARLESTON	59	37	71	32	48	0	.3	-.5	.3	10.6	151	4.3	110	92	54	0	1	2	0
COLUMBIA	56	33	68	28	45	1	.3	-.7	.2	10.6	123	4.8	95	89	47	0	2	2	0
FLORENCE	55	35	62	26	45	1	.4	-.4	.2	16.1	226	6.8	170	95	55	0	2	2	0
GREENVILLE	51	29	65	23	40	-1	.2	-.8	.2	10.4	118	6.4	137	91	53	0	5	3	0
SD ABERDEEN	29	7	37	-7	18	6	T	-.1	T	1.0	83	.6	90	92	77	0	7	0	0
HURON	31	13	39	-1	22	7	T	-.1	T	1.1	116	.5	111	93	74	0	7	1	0
RAPID CITY	53	27	66	19	40	16	.2	.1	.2	.7	72	.3	72	82	33	0	5	2	0
SIOUX FALLS	32	16	40	2	24	8	T	-.1	T	.5	41	.2	35	95	66	0	7	1	0
TN CHATTANOOGA	54	32	70	26	43	4	.1	-1.0	.1	9.2	86	5.3	96	90	54	0	4	2	0
KNOXVILLE	49	32	63	23	41	4	.7	-.2	.5	7.6	82	5.6	119	90	61	0	4	4	1
MEMPHIS	54	35	74	24	44	3	.1	-.8	.1	13.2	132	7.2	167	83	47	0	3	1	0
NASHVILLE	48	29	63	18	39	2	.1	-.7	.1	8.4	97	5.7	140	83	52	0	4	2	0
TX ABILENE	63	34	80	27	49	5	T	-.2	T	2.3	103	1.3	105	79	29	0	3	1	0
AMARILLO	59	27	73	18	43	7	T	-.1	T	.6	58	.3	47	73	31	0	5	0	0
AUSTIN	68	41	81	32	55	5	.0	-.5	.0	6.5	166	.8	40	72	30	0	1	0	0
BEAUMONT	65	44	79	32	54	3	T	-1.0	T	7.9	78	3.7	70	94	42	0	1	0	0
BROWNSVILLE	73	48	87	41	61	1	.0	-.3	.0	2.1	70	.6	34	91	35	0	0	0	0
CORPUS CHRISTI	72	44	82	35	58	2	.0	-.5	.0	8.8	270	.8	40	84	29	0	0	0	0
DEL RIO	73	39	85	31	56	5	.0	-.3	.0	3.2	131	T	2	72	26	0	1	0	0
EL PASO	64	32	74	26	48	3	.0	-.1	.0	1.9	178	.3	57	58	20	0	3	0	0
FORT WORTH	65	37	83	31	51	8	T	-.5	T	4.6	108	2.1	100	80	33	0	1	1	0
GALVESTON	65	52	72	44	59	5	.0	-.7	.0	5.9	83	1.0	28	85	54	0	0	0	0
HOUSTON	67	42	80	34	55	4	.0	-.9	.0	10.9	119	6.0	138	91	40	0	0	0	0
LUBBOCK	63	27	80	20	45	5	T	-.1	T	.6	60	.5	98	76	24	0	7	1	0
MIDLAND	65	32	79	25	48	3	T	-.1	T	1.2	108	.7	126	77	23	0	4	0	0
SAN ANGELO	66	31	82	27	49	4	.0	-.2	.0	1.5	89	.3	33	79	24	0	5	0	0
SAN ANTONIO	72	36	83	28	54	4	.0	-.4	.0	3.6	102	.3	14	82	24	0	2	0	0
VICTORIA	69	42	79	39	56	3	.0	-.8	.0	5.7	84	.7	17	88	30	0	0	0	0
WACO	65	37	81	32	51	4	.0	-.5	.0	6.4	169	1.3	70	84	36	0	2	0	0
WICHITA FALLS	63	33	81	27	48	7	T	-.4	T	1.7	53	.8	51	80	38	0	5	0	0
UT CEDAR CITY	60	27	66	21	44	12	.0	-.2	.0	.6	38	.3	42	86	26	0	6	0	0
SALT LAKE CITY	52	32	61	24	42	12	.1	-.2	.1	3.2	120	1.8	141	86	46	0	4	1	0
VT BURLINGTON	30	11	40	-5	21	5	.7	.4	.6	4.3	96	2.6	128	83	47	0	7	3	1
VA NORFOLK	50	36	59	34	43	4	.7	-.2	.4	3.9	52	2.7	63	80	48	0	0	2	0
RICHMOND	44	31	57	27	38	2	.7	-.1	.3	4.4	63	3.5	94	87	54	0	5	3	0
ROANOKE	42	29	55	25	36	1	.9	.3	.4	10.0	167	7.6	251	87	55	0	6	4	0
WA QUILLAYUTE	53	45	60	40	49	8	4.1	.9	1.6	34.9	110	14.9	92	99	90	0	0	5	4
SEATTLE-TACOMA	55	46	58	41	51	9	2.8	1.7	1.0	13.3	111	5.1	85	92	78	0	0	5	4
SPOKANE	48	35	56	30	41	11	.9	.5	.4	4.6	99	3.0	136	96	72	0	1	5	0
YAKIMA	50	34	58	31	42	9	.4	.2	.3	3.3	121	2.1	155	93	70	0	2	3	0
WV BECKLEY	36	25	43	18	31	1	.7	.1	.3	8.0	122	6.1	183	93	68	0	7	3	0
CHARLESTON	40	28	45	21	34	1	1.1	.4	.7	9.6	143	7.1	213	91	65	0	6	4	1
HUNTINGTON	37	27	48	20	32	2	.6	-.1	.3	8.7	125	5.7	166	92	66	0	7	4	0
PARKERSBURG	35	24	40	19	29	-1	.6	-.1	.4	5.9	91	3.2	89	90	56	0	7	2	0
WI GREEN BAY	32	16	42	3	24	9	.1	-.2	.0	1.1	38	.7	55	83	55	0	7	2	0
LACROSSE	33	19	44	9	26	10	T	-.2	T	1.4	62	.7	70	87	59	0	7	0	0
MADISON	33	18	41	1	26	9	T	-.2	T	3.2	110	2.1	166	82	59	0	7	1	0
MILWAUKEE	34	22	39	8	28	8	.1	-.3	.0	3.3	81	2.2	124	85	61	0	7	2	0
WAUSAU	30	13	38	2	22	9	T	-.2	T	.8	31	.4	39	80	52	0	7	1	0
WY CASPER	44	27	54	17	36	12	T	-.1	T	1.2	95	.9	137	87	58	0	6	2	0
CHEYENNE	50	29	57	20	40	12	T	-.1	T	.7	84	.1	31	74	31	0	5	1	0
LANDER	43	21	57	6	32	11	T	-.1	T	.9	84	.7	120	83	48	0	5	0	0
SHERIDAN	45	30	52	15	37	14	.1	.0	.1	1.1	71	.9	110	78	49	0	4	1	0
PR SAN JUAN	87	70	89	68	78	2	.0	-.6	.0	6.6	84	3.5	112	89	53	0	0	0	0

Based on 1961-90 normals.

January Weather and Crop Summary

Weather

A storm train--borne of a powerful southern branch of the polar-front jet stream and occasionally suffused with sub-tropical energy--dumped a year's worth of precipitation on parts of California in a month. For example, Red Bluff's January rainfall of 20.86 inches eclipsed the normal annual total of 20.49 inches. Among the records to fall in California and surrounding areas were a number of all-time monthly rainfall and rainfall-persistence records, summarized as follows:

All-Time Monthly Rainfall Records

Location	Amount (Inches)	Former Record
Gibraltar Res.	34.76	31.18 in Jan. 1969
Santa Barbara	21.94	17.33 in Feb. 1962
Red Bluff	20.86	20.71 in Jan. 1871
Lompoc	15.37	11.63 in Mar. 1991
Santa Maria	11.78	10.31 in Jan. 1909

Selected January Rainfall Records

Location	Amount (Inches)	Former Record
Eugene, OR	15.36	15.09 in Jan. 1990
Cuyama	5.94	5.19 in Jan. 1969
Yakima, WA	3.67	3.66 in Jan. 1970
Las Vegas, NV	3.00	2.41 in Jan. 1949

Days-of-Measurable-Precip.-in-a-Month Records

Location	Number of Days	Former Record Set
S.F. (downtown)	26 (tied)	Jan. 1909/1916
Sacramento	25 (tied)	Jan. 1909
Fresno	21	Jan. 1916

By February 1, the holdings of California's 155 primary reservoirs increased to 104 percent of normal, up from about 75 percent of normal a month ago, due to heavy rainfall and low-elevation snow melt. At the higher elevations of the Sierra Nevada, the snow pack stood at approximately 195 percent of normal at month's end.

Lost amidst the rainfall records was January-record warmth, reported by locations such as Seattle, WA (46.4°F) and Sacramento (53.2°F). Pendleton, OR (70°F) attained a January-record high on the last day of the month.

Across the Plains, the strong west-to-east jet and downslope warming and drying of the air permitted little precipitation and fueled monthly temperatures of 2 to 10 degrees above normal. However, a late-month shot of light rain and snow benefited winter wheat in Kansas. Less than a tenth of an inch of precipitation fell on locations such as Havre, MT (0.05 inches), Valentine, NE (0.02 inches), and Colorado Springs, CO (a trace). A sampling of very low monthly snowfall totals included North Platte, NE (0.1 inches), Topeka, KS (2.0 inches), and Cheyenne, WY (2.7 inches).

Not to be outdone, the East saw little snow, with monthly totals ranging from only a trace in Philadelphia, PA to 15.7 inches in Portland, ME. Despite the occasional return of lake-effect squalls--especially in early- and late-January--monthly totals of 23.1 inches in Buffalo, NY and 27.0 inches in Erie, PA left seasonal snowfall lagging averages by more than 2 feet. An amazing spell of mid-month warmth set all-time January records in Providence, RI (69°F), Massena, NY (67°F), Burlington, VT (66°F), Mansfield, OH (64°F), and Caribou, ME (53°F).

In contrast, several storms crossed the Southwestern and South Central States. An early-month system dropped 17.6 inches on Flagstaff, AZ, which went on to receive a monthly total of 43.3 inches. A mid-month storm dumped as much as 100 inches of snow on Utah's Wasatch Range in less than 3 days. The next storm to emerge from the Southwest left 2.2 inches of snow in Lubbock, TX before immobilizing a strip from the Ozark Plateau to southern Wisconsin with more than a foot of snow. Columbia, MO (19.7 inches) experienced its heaviest snow on record.

Several severe-weather episodes affected the Southeast, most notably a 14-tornado outbreak on January 6-7. Another storm brought severe weather to eastern Texas and flash flooding to the southern Appalachians on January 12-14. A dozen more tornadoes touched down from Louisiana eastward on January 18-19. Several other disturbances rippled across the Gulf Coast region late in the month, including a heavy-rain producer on January 26-27.

Fieldwork

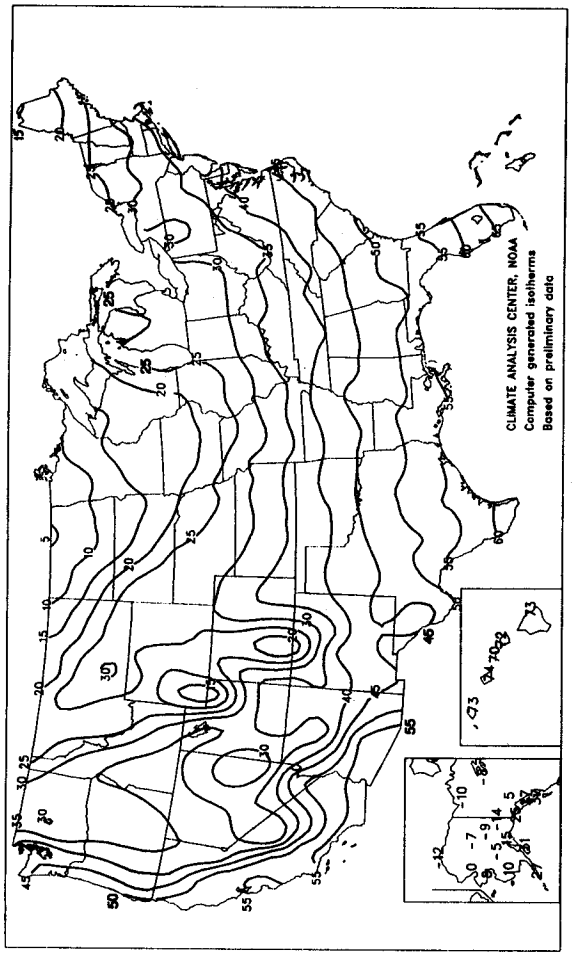
The month began with heavy rainfall drenching California and flooding low lying fields. A winter storm brought extreme cold that slowed small grain growth across the Nation, and caused wheat producers in the northern Great Plains concern with the lack of adequate snow cover. The early January snow cover in the Northern States was below average but adequate to safeguard the wheat crop from wind damage and freezing temperatures. Low temperatures in the southern Great Plains helped keep insect problems to a minimum, while light snow and rain across the Texas High Plains benefited moisture-stressed wheat fields. Topdressing was underway by mid-month in most areas, while continued heavy rains saturated California fields. Widespread flooding and standing water in California caused extensive yellowing in small grain fields.

Spring-like weather in mid-January melted the snow cover in the Great Plains, but snowfall later in the month replenished the cover before temperatures dropped. Winter wheat fields in north Texas were dry, while some wheat fields farther south were yellowing from excessive moisture. Toward the end of the month, wintry weather restored the snow cover in the Mississippi and Ohio Valleys. Winter wheat condition in Montana remained mostly fair to good with little wind damage reported despite the below-average snow cover. Warmer weather in the Texas plains encouraged wheat growth in spite of dry conditions, while in central Texas, rust and yellowing problems continued.

By the end of January, heavy rain along the Gulf Coastal region left some wheat fields flooded and the continued warm weather raised concern for early growth. The month ended with warm weather in Texas that prompted wheat greening, while the continued rains in east Texas caused some rust and yellowing of wheat fields. The snow cover in Montana was rated as mostly poor with little wind damage reported, but winter wheat was rated as mostly fair to good. In the Ohio Valley, some fields were ponding as the snow melted. Heavy rains in California halted fieldwork. Overall, the mild weather during the month sustained the wheat crop in the Northern States despite the marginal snow cover.

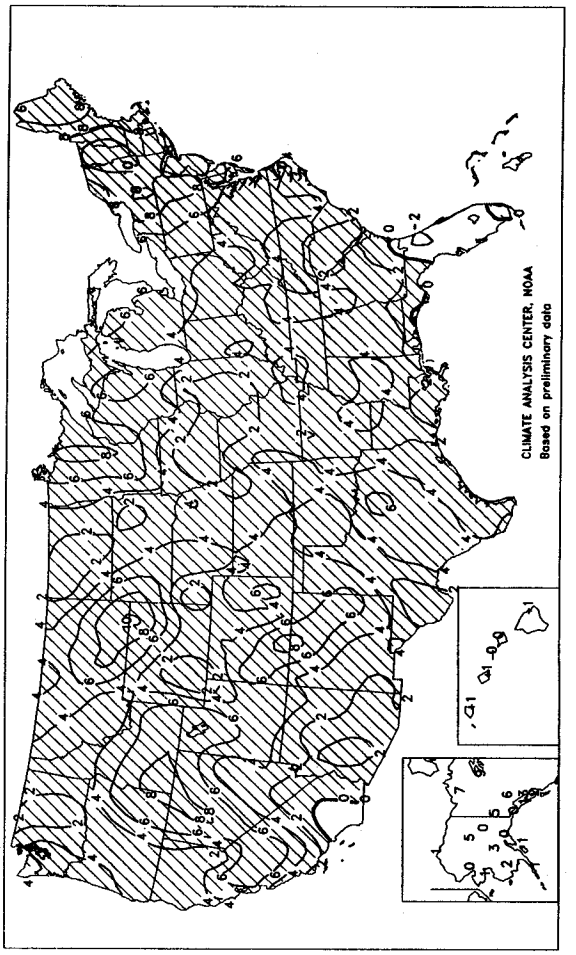
Average Temperature (°F)

JAN 1995



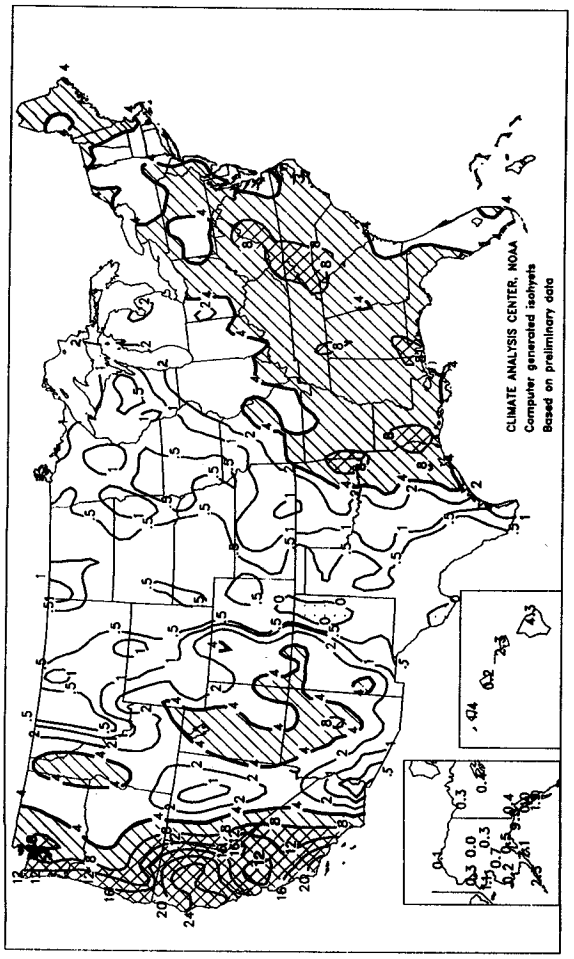
Departure of Average Temperature from Normal (°F)

JAN 1995



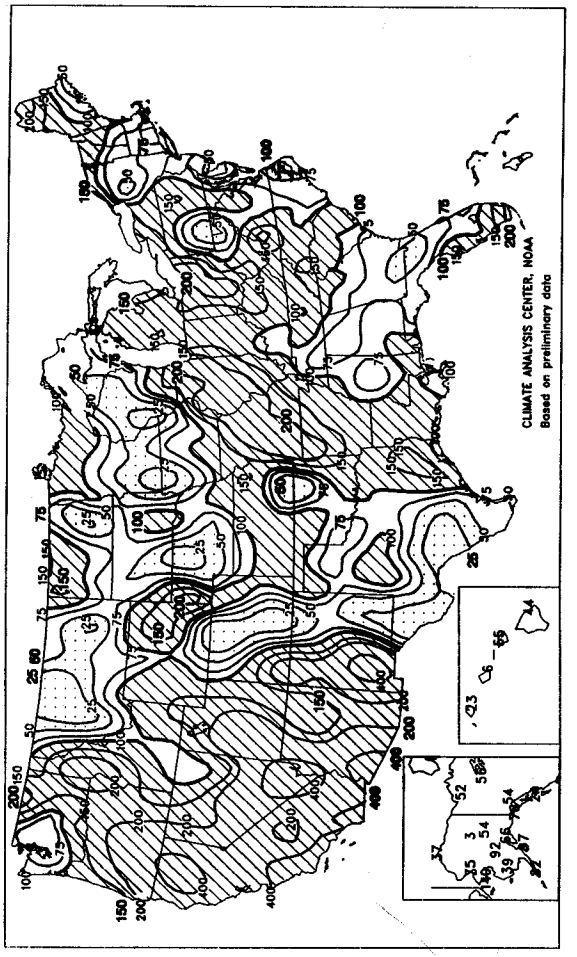
Total Precipitation (Inches)

JAN 1995



Percent Of Normal Precipitation

JAN 1995



TEMPERATURE AND PRECIPITATION SUMMARY
January 1995

STATES AND STATIONS	Temp. °F AVERAGE	Temp. °F DEPARTURE	Precip. TOTAL	Precip. DEPARTURE
AL BIRMINGHAM	44	3	3.8	-1.2
HUNTSVILLE	41	2	3.3	-1.0
MOBILE	51	1	7.1	2.3
MONTGOMERY	49	4	6.0	1.1
AK ANCHORAGE	15	1	0.5	-0.3
BARROW	-12	2	0.1	-0.1
FAIRBANKS	-9	1	0.2	-0.2
JUNEAU	27	3	--	--
KODIAK	31	1	7.1	-0.2
NOME	8	1	1.5	0.8
AZ FLAGSTAFF	29	0	2.6	0.5
PHOENIX	55	1	1.4	0.7
PRESCOTT	39	3	0.9	-0.6
TUCSON	53	1	1.4	0.5
WINSLOW	37	5	--	--
YUMA	58	1	1.6	1.3
AR FORT SMITH	40	4	3.2	1.3
LITTLE ROCK	42	3	4.0	1.0
CA BAKERSFIELD	54	6	1.4	0.5
BISHOP	37	0	--	--
EUREKA	52	5	12.7	6.7
FRESNO	52	6	5.4	3.5
LOS ANGELES	57	0	12.7	10.3
REDDING	48	3	22.9	16.9
SACRAMENTO	53	6	12.4	8.5
SAN DIEGO	57	0	8.1	6.3
SAN FRANCISCO	52	3	8.9	4.5
SANTA MARIA	54	3	11.8	9.6
CO ALAMOSA	23	8	0.1	-0.2
CO. SPRINGS	31	2	T	-0.3
DENVER	34	4	0.2	-0.3
GRAND JUNCTION	34	9	0.6	0.1
PUEBLO	32	2	T	-0.3
CT BRIDGEPORT	36	7	3.0	-0.3
HARTFORD	32	8	3.8	0.4
DC WASHINGTON	40	5	3.2	0.5
FL PANAMA CITY	52	1	2.0	-3.1
DAYTONA BEACH	56	-1	1.5	-1.2
FT. MYERS	63	-1	1.3	-0.5
JACKSONVILLE	53	-2	1.9	-1.2
KEY WEST	69	-1	4.2	2.2
MIAMI	67	0	3.1	1.1
ORLANDO	59	-1	1.5	-0.8
TALLAHASSEE	51	0	3.3	-1.5
TAMPA	59	-1	3.5	1.5
WEST PALM BEACH	64	-2	2.1	-0.4
GA ATHENS	44	2	4.9	0.3
ATLANTA	47	4	3.4	-1.4
AUGUSTA	46	2	3.7	-0.4
MACON	47	2	4.3	-0.3
SAVANNAH	51	2	2.4	-1.2
HI HILO	73	1	4.5	-5.4
HONOLULU	74	1	0.2	-3.3
KAHULUI	72	0	2.3	-1.8
LIHUE	73	1	0.9	-5.0
ID BOISE	36	7	2.1	0.7
LEWISTON	35	1	1.4	0.1
POCATELLO	31	7	1.5	0.4
IL CAIRO	--	--	--	--
CHICAGO	24	3	3.2	1.7
MOLINE	22	2	3.3	1.7
PEORIA	24	3	2.8	1.3
QUINCY	24	0	2.1	0.8
ROCKFORD	20	2	1.8	0.5
SPRINGFIELD	26	2	4.0	2.5
IN EVANSVILLE	35	3	2.8	-0.2
FORT WAYNE	26	3	2.4	0.5
INDIANAPOLIS	29	3	2.4	0.1
SOUTH BEND	25	2	2.1	-0.1
IA DES MOINES	21	1	1.0	0.0
DUBUQUE	19	3	1.0	-0.3
SIOUX CITY	20	3	0.3	-0.2
WATERLOO	18	3	0.8	0.0
KS CONCORDIA	28	2	0.8	0.2
DODGE CITY	33	3	0.6	0.2
GOODLAND	32	4	0.3	-0.1
TOPEKA	29	3	1.5	0.6
WICHITA	33	3	0.3	-0.6
KY BOWLING GREEN	37	4	2.2	-1.6
JACKSON	35	2	7.2	3.4
LEXINGTON	34	3	5.0	2.2
LOUISVILLE	35	4	3.1	0.2
PADUCAH	37	4	4.2	0.9

STATES AND STATIONS	Temp. °F AVERAGE	Temp. °F DEPARTURE	Precip. TOTAL	Precip. DEPARTURE
LA BATON ROUGE	51	1	5.2	0.3
LAKE CHARLES	53	3	5.3	0.8
NEW ORLEANS	53	2	3.7	-1.4
SHREVEPORT	48	3	5.4	1.6
ME CARIBOU	16	6	5.7	3.3
PORTLAND	27	6	4.9	1.4
MD BALTIMORE	39	7	2.3	-0.8
SALISBURY	40	6	1.8	-1.8
MA BOSTON	35	6	4.3	0.7
CHATHAM	37	7	1.1	-2.7
MI ALPENA	24	6	1.8	0.1
DETROIT	28	6	2.5	0.7
FLINT	25	4	2.1	0.7
GRAND RAPIDS	26	5	2.7	0.9
HOUGHTON LAKE	23	6	2.1	0.6
LANSING	26	6	2.3	0.9
MARQUETTE	17	5	1.4	-0.7
MUSKEGON	27	4	2.8	0.5
SAULT ST. MARIE	21	8	2.4	0.0
MN ALEXANDRIA	12	4	0.4	-0.5
DULUTH	14	7	1.4	0.2
INT'L FALLS	10	9	1.0	0.2
MINNEAPOLIS	19	7	0.4	-0.6
ROCHESTER	16	5	0.4	-0.3
ST. CLOUD	13	5	0.5	-0.3
MS GREENWOOD	46	4	3.1	-1.8
JACKSON	47	4	3.7	-1.8
MERIDIAN	48	3	3.6	-1.6
TUPELO	42	3	3.9	-1.0
MO CAPE GIRARDEAU	36	4	3.6	0.7
COLUMBIA	27	1	4.8	3.3
KANSAS CITY	28	2	1.4	0.3
SAINT LOUIS	31	2	4.4	2.6
SPRINGFIELD	34	3	4.0	2.3
MT BILLINGS	32	9	0.5	-0.4
GLASGOW	13	3	0.2	-0.1
GREAT FALLS	29	8	T	-0.9
HAVRE	15	1	0.1	-0.5
HELENA	23	3	--	--
KALISPELL	24	3	1.0	-0.5
MILES CITY	25	9	0.1	-0.5
MISSOULA	25	2	0.9	-0.4
NE GRAND ISLAND	25	3	0.4	-0.1
LINCOLN	24	2	0.6	0.1
NORFOLK	23	4	0.5	0.0
NORTH PLATTE	27	5	0.1	-0.2
OMAHA	23	2	0.8	0.1
SCOTTSBLUFF	25	0	1.1	0.6
VALENTINE	26	4	T	-0.4
NV ELKO	32	7	1.6	0.6
ELY	26	1	0.9	0.2
LAS VEGAS	47	2	3.0	2.5
RENO	38	6	3.3	2.2
WINNEMUCCA	37	8	1.3	0.6
NH CONCORD	28	9	3.4	0.9
NJ ATLANTIC CITY	38	7	2.8	-0.6
NM ALBUQUERQUE	39	5	0.6	0.1
CLOVIS	43	6	0.2	-0.2
ROSWELL	44	5	0.1	-0.3
NY ALBANY	31	11	2.1	-0.3
BINGHAMTON	29	7	2.7	0.3
BUFFALO	30	6	4.9	2.2
NEW YORK	38	7	3.4	0.4
ROCHESTER	32	8	2.5	0.4
SYRACUSE	30	8	1.8	-0.5
NC ASHEVILLE	39	2	7.0	3.1
CHARLOTTE	42	3	4.2	0.5
GREENSBORO	40	3	2.9	-0.2
HATTERAS	48	4	8.8	3.5
NEW BERN	47	3	2.5	-1.8
RALEIGH	43	4	4.5	1.0
WILMINGTON	47	4	4.9	0.2
ND BISMARCK	10	1	0.4	0.0
FARGO	11	5	0.8	0.1
GRAND FORKS	8	4	0.2	-0.5
WILLISTON	9	0	0.9	0.4
OH AKRON-CANTON	28	4	4.9	2.7
CINCINNATI	31	3	3.5	0.9
CLEVELAND	30	5	5.8	3.8
COLUMBUS	29	5	4.5	2.6
DAYTON	29	3	2.4	0.3
MANSFIELD	27	3	5.7	3.7
TOLEDO	28	6	3.1	1.3

STATES AND STATIONS	Temp. °F AVERAGE	Temp. °F DEPARTURE	Precip. TOTAL	Precip. DEPARTURE
YOUNGSTOWN	29	6	2.4	0.3
OK OKLAHOMA CITY	39	3	1.3	0.2
TULSA	40	4	0.9	-0.6
OR ASTORIA	46	4	10.6	0.6
BURNS	30	7	2.8	1.9
MEDFORD	45	7	3.8	1.1
PENDLETON	35	1	2.5	1.0
PORTLAND	43	4	5.6	0.2
SALEM	44	5	8.6	2.7
PA ALLENTOWN	34	8	3.5	0.3
ERIE	31	6	3.4	1.2
HARRISBURG	35	6	3.5	0.7
PHILADELPHIA	38	8	3.1	-0.1
PITTSBURGH	31	5	2.2	-0.3
SCRANTON	33	8	2.7	0.6
WILLIAMSPORT	32	7	4.7	2.11
RI PROVIDENCE	36	8	3.7	-0.2
SC CHARLESTON	50	2	3.9	0.5
COLUMBIA	46	2	4.5	0.1
FLORENCE	47	4	6.4	2.8
GREENVILLE	42	2	6.4	2.3
SD ABERDEEN	12	2	0.6	0.0
HURON	16	3	0.5	0.1
RAPID CITY	29	7	0.1	-0.3
SIOUX FALLS	18	4	0.2	-0.3
TN BRISTOL	38	4	4.6	1.4
CHATTANOOGA	42	5	5.3	0.4
KNOXVILLE	39	3	5.0	0.9
MEMPHIS	42	2	7.1	3.3
NASHVILLE	39	2	5.6	2.0
TX ABILENE	47	4	1.2	0.2
AMARILLO	39	4	0.3	-0.2
AUSTIN	54	5	0.8	-0.9
BEAUMONT	53	2	3.7	-1.0
BROWNSVILLE	62	2	0.6	-1.0
CORPUS CHRISTI	58	3	0.8	-0.9
DEL RIO	54	5	T	-1.1
EL PASO	47	4	0.3	-0.1
FORT WORTH	48	6	2.1	0.3
GALVESTON	57	4	1.0	-2.3
HOUSTON	54	4	6.0	2.2
LAREDO	--	--	--	--
LUBBOCK	42	4	0.4	0.1
MIDLAND	46	2	0.7	0.2
SAN ANGELO	49	5	0.3	-0.5
SAN ANTONIO	53	4	0.3	-1.4
VICTORIA	55	4	0.7	-2.7
WACO	50	5	1.3	-0.3
WICHITA FALLS	44	5	0.8	-0.5
UT BLANDING	31	4	1.5	0.2
CEDAR CITY	34	4	0.3	-0.4
SALT LAKE CITY	35	7	1.8	0.7
VT BURLINGTON	28	12	1.9	0.1
VA LYNCHBURG	39	5	4.6	1.8
NORFOLK	45	6	2.4	-1.4
RICHMOND	41	5	3.2	-0.1
ROANOKE	38	4	7.3	4.7
WA COLVILLE	--	--	--	--
QUILLAYUTE	44	4	14.1	-0.2
SEATTLE-TACOMA	46	6	4.5	-0.9
SPOKANE	31	4	2.7	0.8
WALLA WALLA	36	2	1.3	-1.0
YAKIMA	32	3	2.0	0.8
WV BECKLEY	33	4	5.8	2.9
CHARLESTON	35	2	6.0	3.1
ELKINS	32	5	4.0	0.9
HUNTINGTON	35	4	5.3	2.3
PARKERSBURG	32	2	2.6	-0.6
WI GREEN BAY	21	7	0.6	-0.5
LACROSSE	20	5	0.7	-0.2
MADISON	20	4	2.1	1.0
MILWAUKEE	25	6	2.1	0.5
WAUSAU	18	6	0.4	-0.6
WY CASPER	27	5	0.8	0.3
CHEYENNE	31	4	0.1	-0.3
LANDER	21	1	0.7	0.2
SHERIDAN	28	7	0.8	0.0
PR SAN JUAN	78	1	3.5	0.8

Based on 1961-90 normals.

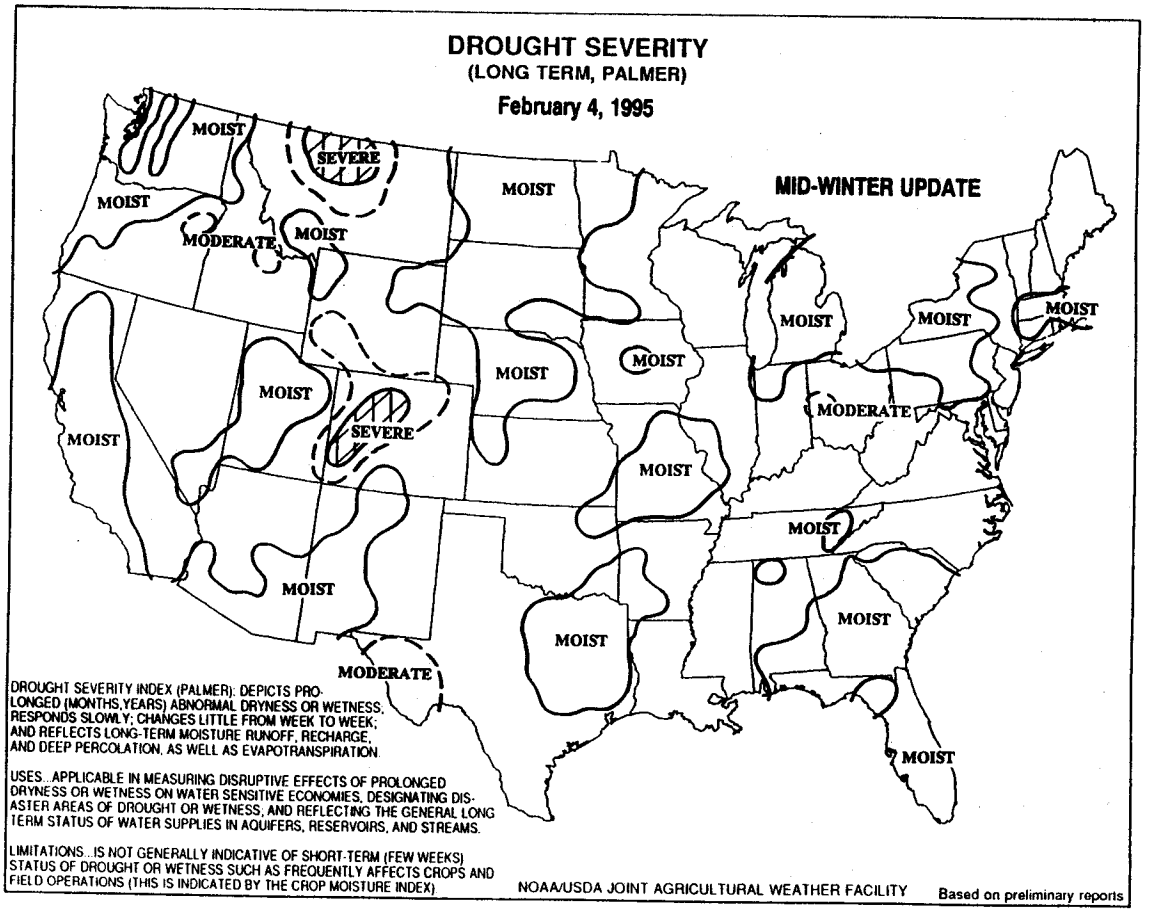
Mid-Winter Palmer Update

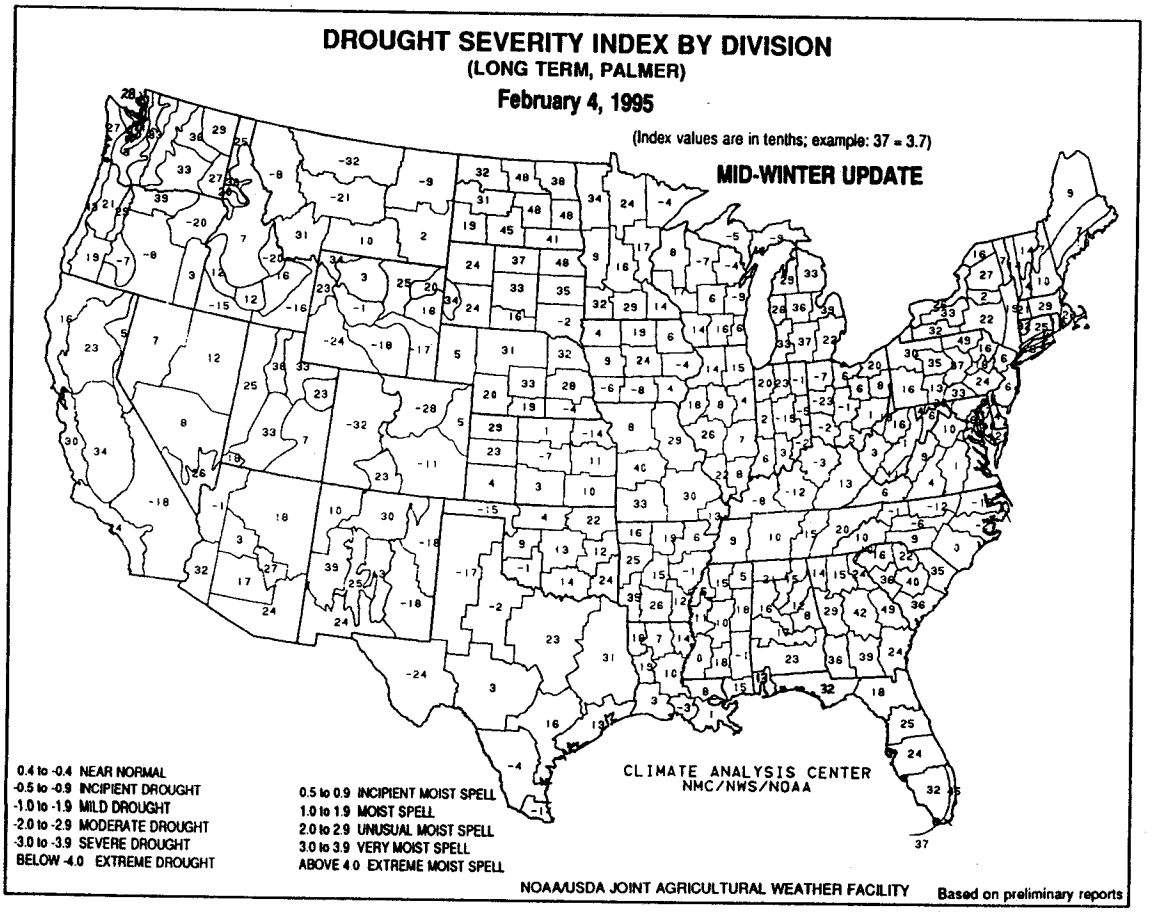
For the third time in four years, a warm phase (El Niño) event has influenced winter weather conditions in the United States. This season's event, in conjunction with a very strong polar-front jet stream, has been particularly evident in California. Historically, El Niño produces an inconsistent signal across California, although very heavy precipitation sometimes occurs, most recently during the 1982-83 and 1992-93 wet seasons.

Since the last Palmer chart was published in late October (*WWCB*, Vol. 81, No. 44, November 1, 1994), a profuse amount of energy has poured into the West, erasing long-term drought in California and surrounding areas. Most of the remainder of the Nation--except parts of Hawaii--continue to observe normal to above-normal long-term moisture supplies, with core wet areas in the North Central States, the middle Mississippi Valley, eastern Texas, the Southeast, and the eastern Great Lakes States.

In the short-term picture, warm, dry weather in the High Plains in recent weeks has left winter wheat vulnerable to wind and cold, while wetness during January in California adversely affected low-lying fields of fruits, vegetables and small grains.

--Brad Rippey

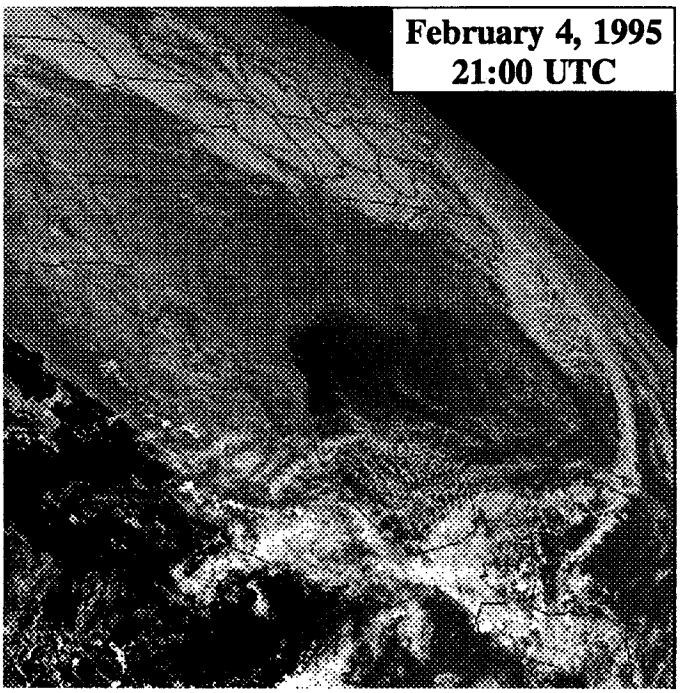


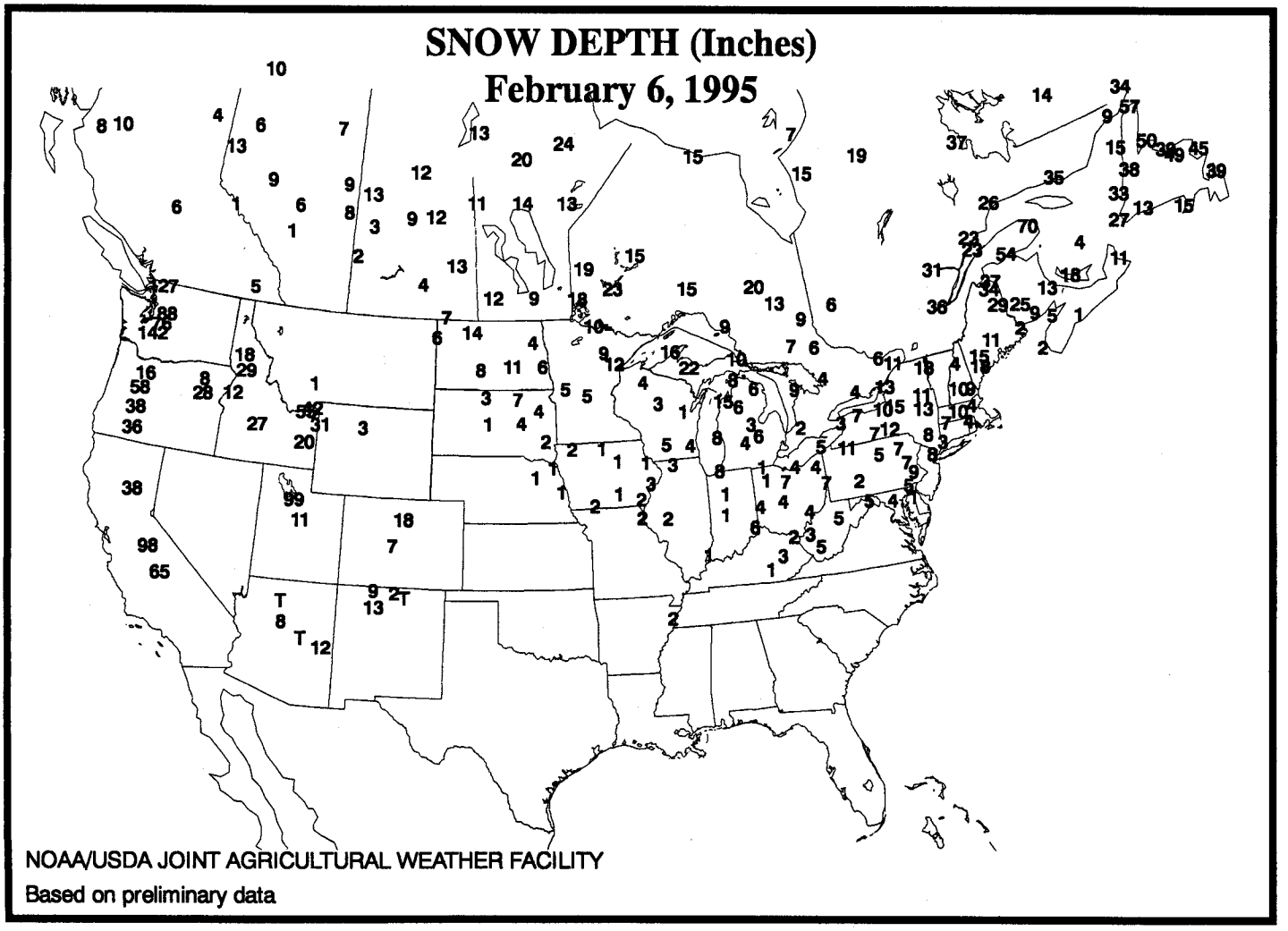


National Agricultural Summary

January 30 - February 5, 1995

HIGHLIGHTS: Rain along the northern Pacific Coast left small grain fields saturated and caused soil erosion in eastern Washington. Excessive soil moisture hampered fieldwork in northern California, and standing water in low-lying fields resulted in yellowing of some small grains. Dry, warm weather in the Southwestern States allowed farmers to enter the fields to prepare for spring planting. Texas wheat producers took advantage of the mild weather to apply fertilizer and top-dress fields. In the Texas Plains, wheat fields were still affected by greenbugs, while rust and yellowing problems were reported in wheat fields in the Blacklands. Warm weather in the Midwest early in the week gave way to a cold front that brought a wintry mix of rain and snow. The mixture of snow, sleet, and rain in the Midwest produced wet conditions that limited field activities. The south-central Great Plains enjoyed mild weather for most of the week. Dry weather in the Delta allowed farmers to begin spring tillage and to prune fruit trees, while wet fields limited field activity in Georgia. Snow cover in North Dakota was adequate to protect 71 percent of the wheat crop but remained significantly below last year's snow cover. Winter wheat condition in Montana was rated as mostly fair to good despite the lack of snowfall for the week. The lack of snow cover in Wyoming resulted in some freeze and wind damage to wheat fields. A late-week storm replenished the snow cover for wheat in the Ohio Valley.





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 none to 0.22 in. north; none to 0.33 in. central; none to 0.80 in. south. Temperatures 4° below normal to 3° above normal statewide. Lows 10 to 19° north; 13 to 25° central; 18 to 29° south. Highs 69 to 78° north; 70 to 77° central; 72 to 77° south.

Activities: Weaning calves, selling cattle, other seasonal chores.

ARIZONA: Temperatures 2 to 8° above normal. Extremes 10°; 77° higher elevations; 25°; 86° deserts. No precipitation.

Clear skies, warm temperatures let farmers in fields. Alfalfa condition remains mostly good. Harvest light. Sheeping off moderate. Stand renovation, stands established mostly normal. Weed, insect, disease pressure light. Grapefruit, lemon, sweet orange, tangelo, tangerine harvest continued western, central areas. Pecan harvest finishing central areas. Vegetable harvest steady. Volume leaders: cauliflower, broccoli, leaf lettuce, romaine, spinach, mixed greens, green onions, carrots, cabbage, head lettuce, kale, napa, turnips, potatoes, bok choy, leeks, swiss chard, radishes, rapini, escarole, dry onions, endive, beets, salad savoy. Head lettuce, cauliflower, leaf lettuce, romaine, spinach, celery, napa, salad savoy, broccoflower, bok choy, parsley, kale, anise, endive, escarole, cilantro, cabbage, asparagus were shipped by western areas producers. Tomatoes harvested eastern area. Range, pasture condition improved during January. Range feed 82% of normal, 6 points higher than last month. Cattle, calves fair to good condition. Stockwater, soil moisture supplies mostly adequate. Feed supplies average. Insect damage very light.

ARKANSAS: Temperatures averaging slightly above normal with light precipitation first of week in the southwestern region. Extreme 15°; 83°. Precipitation none to 0.25 in.

Wheat in good condition. Supplemental feeding continues north central where hay supplies are short. Livestock in good condition.

CALIFORNIA: Weather system moved through northern areas January 30, producing rain northwest State, Sacramento Valley. Otherwise, strong high pressure dominated the weather pattern. This produced dense fog central valley, record heat southern areas.

Fieldwork again hampered; light rain, wet soils southern San Joaquin Valley northward. Elsewhere, activities gradually resumed; fields dried, sunshine, warm temperatures. Small grains, winter forages, alfalfa excellent growth. Some low-lying fields remained standing water; yellowing severely due excess moisture. Damage extent still unknown. Small grains, alfalfa, sugarbeets aerial herbicide treatments where conditions permitted. Cotton fields pre-irrigated, sprayed weeds, preparation planting 1995 crop. Oats greenchopped limited areas. Small grain planting progressed rapidly Riverside County. Orchards, vineyards, normal cultural activities; pruning, shredding, tying, applying chemicals. Rain delayed some activities. Early blooms, deciduous fruit, almonds. Bees placed, almond, stone fruit orchards. Some orchards applying aerial dormant spray. Navel oranges harvested, behind normal harvest timetable. Navels exported, good quality, good prices larger sizes. Some grade-outs, rind defects. Granny Smiths, Fujis packed from storage. Lemons, avocados, desert grapefruit, tangerines harvested. Olive pruning hampered, rain, Tulare county. Strawberry fields, Ventura, Orange counties drying, small acreage destroyed, considerable acreage lost early crop. Wet ground slowed field work around State. Harvest artichokes continued Monterey County. Asparagus harvest Imperial County, asparagus Stockton delta progressed well. Broccoli, cauliflower harvest Monterey County, Imperial, Coachella, San Joaquin Valleys. Cabbage harvested Fresno County. Carrot harvest continued Kern, Imperial, Riverside Counties. Harvest celery Monterey, Riverside Counties. Winter head, leaf lettuce fields harvested Imperial, Coachella Valleys. Spring head lettuce fields thinned San Joaquin Valley. Planting spring melons Imperial county. Winter potatoes harvested Kern County. Spinach fields progressing well Tulare County. Processing tomato planting delayed Sacramento, San Joaquin Valleys. Salvaging marketable leafy vegetables Sonoma County. Other crops harvested: Oriental vegetables, ginger root, green onions, radishes, bok choy, turnips. Range, pasture conditions mostly good to excellent. Grass grew well with additional rains, warmer temperatures. Feed supplies improved, supplemental feeding few areas. Cattle fed magnesium prevent grass tetany. Some cattle shipped rangelands. Sheep grazed alfalfa fields. Wet, muddy conditions some dairies caused stress, lowered milk production. Both cattle, sheep good condition. Calving, lambing active. Water supplies excellent. Many water impoundments full, some overflowed.

COLORADO: Strong high pressure dominated the week's weather with mild, windy, dry conditions. Only the northern mountains saw precipitation with a few inches of snow falling on the 31st. Temperatures were well above normal across the State.

Major farm activities: Care, feeding of livestock, attending producer meetings, preparing for calving, lambing season.

FLORIDA: Temperatures 2° below normal Panhandle, 4° to 8° below else. Lows, freezing temperatures north, scattered frost central, mid 40s southeast coast. Highs in upper 70s. Scattered showers, thunderstorms produced 0.50 in. rain most locations, 1.00 in. scattered locations.

Field crops soil moisture adequate throughout State, scattered areas of short or surplus. Sugarcane harvest, planting active. Farmers tending tobacco beds. Growers making preparations for spring planted crops. Cold temperatures in citrus areas February 6, not low enough to cause damage, some leaves burnt in coldest locations. Early-mid orange harvest slowing as supplies are running low. Grapefruit movement remains active lower east coast. Tangelo harvest slowing. Dancy tangerines are complete for this season. Temple, honey tangerine harvest increasing for fresh, process use. Caretakers cutting cover crops, hedging, topping, burning limbs, debris. Some vegetable foliage in unprotected fields damaged by cold temperatures, blowing sand at end of week. Strawberry growers around Plant City picked most berries before strong winds, cold temperatures arrived. Volume leaders: Tomatoes, peppers, cabbage, squash, snap beans, celery, strawberries. Pasture feed 20% poor, 50% fair, 30% good. Frost browned much of pasture north, central. Supplemental feeding active. Cattle condition mostly good.

GEORGIA: Temperatures 2° above normal northwest, 1 to 5° below normal rest. Warmest highs upper 50s to mid 60s mountains and 70s elsewhere. Coolest lows teens northern half, 20s southern half. Rained 1 or 2 days most locations. Rain totals mostly less 0.50 in., few spots between 0.50 to 0.80 in. Greatest amount 0.80 in. Macon.

Limited field activity due to wet fields. Nitrogen applied to isolated small grain fields. Peach tree chill hours still a concern. Active pruning of peach trees. Most crops in good condition. Pastures mostly poor to fair, cattle, hogs generally good. Activities: Routine care of livestock, poultry.

HAWAII: Variable weather for the week. Rain predominant in most leeward, higher elevations. Winds moderate with gust up to 40s. Temperatures warmer, humidity higher. Temperatures mid 60s to low 80s. Rainfall none to 4.70 in.

Banana, papaya production light. Leaf stripping in exposed windward banana orchards. Insect infestations generally light.

IDAHO: Temperatures 11 to 15° above normal. Precipitation 0.57 to 1.69 in. north, 0.45 to 0.80 in. southwest, 0.23 to 0.81 in. south-central, 0.03 to 0.57 in. southeast. Extreme 2°; 69°. Conditions across the State were wet, muddy, unseasonably warm.

Wet weather has caused concerns about the health of newly born calves, lambs. Hay, roughage supply 16% short, 83% adequate, 1% surplus. Calving completed 15%. Lambing completed 24%. Activities: marketing onions, potatoes, preparing taxes, repairing machinery.

ILLINOIS: Early week temperatures were above normal. A cold front pushed through on 1st, 2nd. Low pressure moved south of the State 3rd bringing the most significant precipitation of the period. Lows dipped to single digits by 5th. Temperatures for the week averaged 1 to 4° above normal in most locations with the greatest departures across northern areas. High temperatures low 30s north to nearly 45° far south. Lows were in the teens to 20s. Precipitation was generally below normal for the week. Rainfall none to 0.10 in. across the north to 0.10 to 0.80 in. across the south.

Farm activities concentrated on livestock care, grain hauling, commodity meetings, machinery maintenance, tax preparation.

INDIANA: Early week warmth gave way to unseasonably cold conditions before the week was out. A storm system preceded the cold air leaving the southern half of the State with a wintery mix of rain far south, snow elsewhere. Temperatures between 2° below normal to 2° above normal south, to between 2 to 4° above normal north. Mean readings reached mid 20s to low 30s. Daily maximum temperatures varied from near 30° north to 40° south with mean lows between the mid teens to upper 20s. Precipitation was limited to the southern half of the State with the exception of far northern areas where lake-effect snow developed late week. Water equivalent near 0.10 in. central areas to 0.40 in. south. The far north central region reported 0.25 to nearly 0.50 in. with the remainder of northern areas generally dry.

Field activities limited by wet field conditions. Selling grain continues. Winter wheat mostly good condition. Livestock mostly good. Other activities; attending farm meetings, cleaning fence rows, ditches, calving, lambing, hauling manure, purchasing seed, fertilizer, tax preparation, processing tobacco, equipment maintenance, mending fence, cutting wood, care of livestock. Hay supplies mostly adequate.

IOWA: Temperatures 4° above normal southeast to 8° above normal northwest. Extremes -7° (Fayette, 5th); 55° (Leon, 31st). Mixture snow/sleet/rain 1st; again 2nd night. Precipitation only traces northeast one-third to 1.00 in. south central; State average 0.18 in. which is exactly normal for week. Fertilizers supplies are being reported as adequate, nevertheless, prices remain high. Overall the weather during the month of January was mild which benefitted livestock.

KANSAS: Temperatures were much above normal across the State. Readings averaged as high as 14° above normal over the northwest with readings 8 to 12° above normal across the rest of the State. Precipitation was highest in eastern areas. Precipitation 0.21 in. southeast to 0.66 in. east central. Precipitation central, western portions of State were considerably less, ranging from 0.04 to 0.16 in.

Temperatures were well above normal the past week prompting many people to begin thinking of spring. Temperatures averaged 37° in the northeast to 43° in the southwest. All districts received precipitation. Heaviest precipitation fell in the eastern districts, while in the western two-thirds of the State precipitation was mostly insignificant.

KENTUCKY: Mild weather early, high temperatures predominately 50s, low temperatures 30s. However, much cooler air moved in later bringing highs into 20s, 30s, low temperatures mainly teens. Extremes 11°; 60°. Precipitation mostly below normal except for southeastern, eastern, northeastern portions. Those areas received a mixture of snow, rain that produced water equivalent amounts greater than 0.80 in.

Soil moisture adequate. Wheat satisfactory, little or no snow cover. Many burley markets closing. Soil temperatures upper 30s, lower 40s. Precipitation across eastern areas hampered outdoor chores and fieldwork. Livestock stress was of concern toward end of week due to cold temperatures.

LOUISIANA: Temperatures 2.0° below to 3.0° above normal. Extremes 24°; 83°. Rainfall none southwest to 0.04 in. north central. High temperatures in the low to mid 60s, lows mid 30s in the north to the low 40s in the south. Sunny weather returned, rain ended early in the week.

Main farm activities were cleaning equipment, supplemental feeding, caring of livestock, fertilizing pastures, equipment repair, updating farm records, preparing taxes. Sugarcane farmers prepared their spray rigs to start applying herbicides in a couple weeks. Early strawberry harvest continued at a slow pace in Tangipohoa parish. Winter wheat growth was good as sunny weather returned. Rice growers water leveled fields, crawfish producers harvested a limited amount of marketable crawfish. Peach growers began pruning trees. Farmers attended boll weevil eradication meeting, local crop field days.

MARYLAND & DELAWARE: MARYLAND: Precipitation 0.12 in., normal 0.69 in. Temperature 34.2°, normal 32.6°. Extremes 11°; 57°.

Livestock, pasture, small grains all remain in good condition. Hay supplies adequate. Activities include preparations for spring planting, general maintenance of equipment, machinery. Low temperatures with high winds, snow caused concern for livestock as extra precautions were needed for their safety.

DELAWARE: Precipitation 0.07 in., normal 0.73 in. Temperature 34.1°, normal 33.5°. Extremes 18°; 52°.

Small grains, pasture, livestock all remain in good condition. Hay supplies adequate. Activities include preparations for spring planting, general maintenance of equipment, machinery. Low temperatures with high winds caused concern for livestock as extra precautions were needed for their safety.

MICHIGAN: Extremes varied -19 to 41°. Precipitation 0.04 in. to 1.23 in. across the State. Most of the Lower Peninsula experienced daytime temperatures in the upper 20s to lower 30s while nighttime temperatures continue to be in the teens. The snowstorm that hit the Northeast US brought only a few inches to the lower peninsula. The Upper Peninsula received over 10 in.

Overall, livestock remain in good condition with feed supplies adequate. Major activities included marketing crops, preparing tax returns, repairing machinery.

MINNESOTA: No weather data available.

Mild weather continued until late in the week, was replaced by a cold weather system over the weekend.

MISSISSIPPI: Temperatures 6° above normal. Extremes 18°; 83°. Virtually no rainfall throughout the State during the week.

Days suitable 2.7. Soil moisture 73% adequate, 27% surplus. Wheat 30% fair, 65% good, 5% excellent. Livestock 18% fair, 73% good, 9% excellent. Pasture feed 80% of normal. Hay and feed grain supplies are adequate. The drier, warmer weather allowed some farmers back in the fields for tillage, also made it easier on livestock. Farmers preparing for spring planting.

MISSOURI: Temperatures 4° above normal at Columbia to 11° above normal at Nevada. Precipitation 0.34 in., with north-central, northeastern receiving around 0.50 in.

Pasture feed 1% very poor, 15% poor, 48% fair and 36% good. Topsoil moisture 3% short, 59% adequate, 38% surplus. Subsoil moisture 6% short; 72% adequate, 22% surplus. Condition of wheat 7% poor, 46% fair, 47% good. Supply of hay, roughage 7% short, 90% adequate, 3% surplus. Condition of livestock 22% poor, 76% fair, 2% good. Muddy conditions in farm yards, barn lots.

MONTANA: Warmer, drier than normal over whole State. Temperatures 10 to 20° above normal, except for the southwest division where they were only a few degrees warmer than usual. Above normal precipitation fell across the west with only spotty, light moisture elsewhere.

Winter wheat condition remains mostly fair to good. Limited precipitation has most of the State rating snow protectiveness for winter wheat as poor. Wind damage is reported mostly none to light. Calving, lambing continuing. Grazing rated mostly open.

NEBRASKA: Temperatures 8 to 10° above east to 16° above west. Precipitation mid-week brought moisture to most of the State.

Producer activities included equipment repair, maintenance, livestock care, monitoring farm stored grain, routine chores.

NEVADA: Temperatures much above normal Statewide, with Spring-like weather over the latter half of the week. Temperatures averaged 14° above normal northeast, 13° above northwest, 11° above south-central, 9° above south. Precipitation occurred only in the northern, central parts of the State, with only a few Sierra Nevada stations in the northwest receiving over 0.10 in. Rapid snowmelt in the northeast caused some lowland, road flooding along the Quinn River.

Weed growth was spurred by the warm weather. Main activities: Livestock feeding, livestock marketing, equipment maintenance, taxes.

NEW ENGLAND: Precipitation 0.53 to 1.83 in. regionwide. Temperatures 7 to 26° north; 22 to 33° south. Maximum temperatures 33 to 47° north; 38 to 50° south. Minimum temperatures -18 to 13° north; 1 to 16° south.

Major farm activities: Removing snow from barnyards, caring for livestock, attending farm organization meetings, general maintenance.

NEW JERSEY: Temperatures were below normal. Temperatures 27° north, 29° south, 32° coastal. Extremes -5°; 54°. Rainfall 1.08 in. north, 1.08 in. south, 1.13 in. coastal. Heaviest 24 hour total 1.50 in. on 3rd, 4th. The heaviest 24-hour snowfall was 12 in. at Canoe Brook.

Farmers are caring for livestock, preparing farm equipment for spring planting. Farmers owning greenhouses are growing spring flowers, planting vegetable seeds.

NEW MEXICO: Warm dry weather prevailed over State during the week. Statewide average temperature was nearly 7° above normal, several spots in the east had anomalies as great as +10. Gran Quivira was the only spot to measure any precipitation at all (0.01 in.).

Ranchers in State are supplementally feeding, hauling water to their cattle, sheep. Some ranchers are shipping livestock to market. Farmers are preparing their land for spring planting, repairing equipment. Pecan growers are pruning trees, burning limbs.

NEW YORK: Temperatures were near normal. Extremes -21°; 69°. Precipitation varied widely. Western areas received only about 0.25 in., the Northern Tier received 1.00 to 1.50 in. other areas received 0.50 to 1.00 in.

Major activities: Caring for livestock, moving crops from storage, maintenance work, attending meetings, planning for upcoming season.

NORTH CAROLINA: Mean temperature at the seven reporting stations 53° at Asheville to 62° at Cape Hatteras. Rainfall 0.17 in. at Raleigh to 2.51 in. at Cape Hatteras.

Days suitable for fieldwork 4.3. Soil moisture 5% short, 68% adequate, 27% surplus. Crop conditions: Wheat 15% fair, 67% good, 18% excellent; oats 12% fair, 66% good, 22% excellent; barley 15% fair, 77% good, 8% excellent; rye 8% fair, 69% good, 23% excellent; pasture 4% poor, 28% fair, 61% good, 7% excellent; soybeans 38% fair, 55% good, 7% excellent; hay, roughage supplies 8% short, 78% adequate, 14% surplus; feed grains supplies 6% short, 75% adequate, 19% surplus; cotton harvested 95%, 98% 1993, 92% avg.; soybeans harvested 79%, 85% 1993, 84% avg.; wheat planted 95%, 92% 1993, 91% avg.; wheat emerged 92%, 80% 1993, 79% avg. Activities included: Harvesting cotton, soybeans, preparing land, planting small grain. Other activities included: Tending livestock; equipment repair, general farm maintenance.

NORTH DAKOTA: Temperatures much above normal during the week. Temperatures 6° above normal, east central, southeast to 11° above normal, southwest. Extremes -13° northwest, west central; 54° southwest. Snowcover well below last year. Snowcover 6.0 in. compared to 3.7 in. last month, 16.9 in. last year.

Snowcover sufficient to protect 71% winter wheat, 82% rye, 72% alfalfa. Winter wheat 11% poor, 20% fair, 65% good, 4% excellent; rye 8% poor, 13% fair, 71% good, 8% excellent. Cattle 15% fair, 73% good, 12% excellent; sheep 16% fair, 76% good, 8% excellent. Hay, forage supplies 3% short, 85% adequate, 12% plentiful. Majority of cattle, sheep receiving supplemental feeds. Cattle sales 5% below normal, 93% normal, 2% above normal. County, secondary roads were 95% open, 4% difficult, 1% closed. Road 10% drifted, 18% icy, 8% muddy, 64% dry.

OHIO: Colder, drier than normal weather occurred across much of State. East coast snowstorm produced snow, wind 3rd, over the weekend. High temperatures from the upper 20s to low 30s in the north to the low to mid 30s in the south. These readings were 2 to 5° below normal across much of the north, 4 to 8° below normal in central to southern areas. Lows averaged from teens in the north to upper teens, mid 20s in the south, which was close to normal in the south. Far north parts of State 2 to 3° above normal in some areas, rest of the north averaged close to normal. Coldest readings were in the single digits, as much as 6° below zero. Precipitation totals, water equivalent, averaged 0.15 in. or less in the northwest 0.10 to 0.60 in. across the rest of the State. This was below normal by around 0.25 to 0.40 in. Snowcover of 1 to 7 in. remained, except greater amounts far northeast near Lake Erie.

Farmers welcomed the snowfall which will help insulate fall sown crops. Florists are busy preparing for Valentine's Day. Maple syrup producers should begin tapping trees by the end of the week.

OKLAHOMA: Temperatures 5.2° above normal southeast to 12.1° above normal Panhandle district. No precipitation Statewide.

Wheat 19% fair, 74% good, 7% excellent. Topsoil moisture 23% short, 53% adequate, 24% surplus. Subsoil moisture 23% short, 77% adequate. Livestock conditions 5% fair, 93% good, 2% excellent. Pasture, range condition 92%. Prices for feeder steers, heifers were steady to $1.00/cwt lower on light trading.

OREGON: Temperatures well above normal. Most areas 8 to 13° above normal, exception southern eastern sections 6° above normal. Precipitation heavy most sections of State. Precipitation coast 6.10 in., Willamette Valley 2.60 in., southwestern valleys 1.90 in., northern Cascades 6.50 in., elsewhere 0.30 to 0.75 in.

Soil moisture mostly surplus. Too wet for any ground preparation, statewide. Nurseries balling, burlapping deciduous, evergreens. Some stream flooding, heavy rains, snow pack melt. Supplemental feeding continued statewide.

PENNSYLVANIA: Warm early in week. Snowfall on 4th. Small amounts in the northwest, 11 to 15 in. southeast. Cold air behind the storm resulted in temperatures well below normal by end of week. Temperature 27°, the same as normal. Extremes -5°; 50°. Precipitation 0.47 in., 0.15 in. below normal.

Activities: Hauling manure; fixing fence; caring for livestock.

PUERTO RICO: Island rainfall 0.47 in. was 0.14 in. below normal. Highest rainfall 2.95 in. at Pico del Este, 1.31 in. at Rio Piedras, 1.02 in. at Manati 2E. Highest 24 hour total 2.30 in. at Pico del Este. Island temperatures 74 to 75° on the coasts, 70 to 71° interior, mean station temperature 78.9° at Guayama to 63.6° at Pico del Este. Extremes 48°; 91°.

SOUTH CAROLINA: Precipitation 0.20 in. Temperatures 1° below normal mountains; 1° above normal midlands; near normal coast.

Farm activities: Drier conditions allowed growers to continue late soybean harvest. Normal winter maintenance activities continued; soil sampling active. Small grains, tobacco beds, pasture, livestock conditions fair to good.

SOUTH DAKOTA: Temperatures generally 15 to 20° above normal west, 5 to 10° above normal east. Extremes -7°; 66°. Precipitation generally 0.25 to 0.30 in. west, none to 0.10 in. east. Heaviest precipitation 0.51 in. Spearfish.

Topsoil moisture 4% very short, 17% short, 75% adequate, 4% surplus. Subsoil moisture 28% short, 72% adequate. Winter rye 41% fair, 59% good. Winter wheat 13% fair, 87% good. Feed supplies 84% adequate, 16% surplus. Stockwater supplies 15% short, 81% adequate, 4%

surplus. Livestock 4% fair, 85% good, 11% excellent. Temperature variations causing some respiratory problems in livestock. Major farm activities: Calving, lambing, routine chores, feeding livestock.

TENNESSEE: Temperatures 4° above normal west, 1 to 4° below normal middle; near normal east. Extremes 11° Crossville; 74° Memphis. Precipitation below normal Statewide. Most areas averaged below 0.50 in.

Wheat in good condition.

TEXAS: Much of the State remained dry, unseasonably warm for the end of January. All climatic districts reported above normal temperatures, except the Lower Valley which was -1.0° below normal. Above normal departures +2.0° in Southern Texas, South Central districts to +6.0° in the High Plains. Precipitation was scarce. Only Brownsville recorded any precipitation with 0.01 in. Needless to say, all climatic districts recorded below normal precipitation amounts. Departures -0.11 in. Trans-Pecos district to -0.90 in. the East Texas district.

Crops: Small grains: Sunny skies, above normal temperatures helped winter wheat, oats continue to make good progress. Irrigation was constant in most areas of the High Plains. Producers were busy applying fertilizer, top dressing fields as weather conditions remained mild. Greenbugs were still causing problems in some fields in the Plains, Cross Timbers. More rust, yellowing occurred in the Blacklands. Most wheat, oats continued to provide adequate grazing. Statewide winter wheat condition was 68% normal, 69% 1994.

Commercial Vegetables: Rio Grande Valley: Citrus harvest pushed forward as mild conditions prevailed. Harvest of cabbage continued. Tomatoes, onions, peppers continued to make good progress. San Antonio-Winter Garden area: Producers were applying fertilizer, preparing land for planting. East Texas: Planting of onions, cabbage increased as more fields dried out during the week. Land preparations made good progress, a few fields were still too wet. Trans-Pecos area: Cabbage planting began on a limited basis. Irrigation of onions continued. Land preparations for spring vegetable plantings remained constant. High Plains: Pre-watering activities and fertilizer applications continued. Pecan trees pruning, other cleanup activities were winding down as mild weather conditions continued. Peaches: Producers continued pruning and applying dormant oils to trees. They continued to be concerned about the number of chilling hours the orchards had received. More early variety trees were beginning to bloom throughout South Texas.

Range and Livestock: Livestock remained in good condition. Supplemental feeding activities continued. Stock tank levels were getting low across the Plains. Some ranchers in East Texas were still having problems feeding livestock due to wet, muddy pastures.

UTAH: Temperature maximums, minimums 8° above normal. Precipitation light to moderate across entire State.

Major farm, ranch activities were calving, lambing, feeding, caring for livestock, cleaning corrals, machinery maintenance.

VIRGINIA: Temperatures varied 5° below to 5° above average. Extremes 13°; 61°. Precipitation was below normal over the southeast, above normal over the remainder of the State.

Days suitable for fieldwork 1.7. Topsoil moisture 4% short, 61% adequate, 35% surplus. Pasture feed 33% poor, 44% fair, 23% good. Livestock condition 25% fair, 75% good. Small grain, grazing crop 2% poor, 19% fair, 74% good, 5% excellent. Forage from pastures, winter grazing crops dairy cattle 5%, beef cattle 14%, sheep 16%. Increased livestock feedings due to snow. Lice treatments, lambing, calving reported. Some orchards showing signs of early budding due to warmer temperatures. Small grains showing signs of yellowing in some areas. Activities: Fence mending, tax preparation, equipment repair still continuing.

WASHINGTON: Temperatures 9 to 12° above normal west; 11 to 18° above normal east. Precipitation 1.24 to 4.89 in. west; 0.34 to 2.13 in. east.

Days suitable for fieldwork 1.5. Soil moisture 27% short, 61% adequate, 12% surplus. Hay, other roughage supplies 2% very short, 7% short, 91% adequate. Range, pasture feed 15% very poor, 25% poor, 39% fair, 21% good. Winter wheat, dryland 3% very poor, 16% poor, 46% fair, 35% good; irrigated, 1% fair, 77% good, 22% excellent. Unseasonably warm temperatures helped recent rains to soak soils. Soil loss reported in some eastern areas. Some flooding reported in western parts of State. Pasture regrowth began. Calving continued.

WEST VIRGINIA: Temperature 29°. Extremes 2°; 55°. Precipitation 0.68 in.

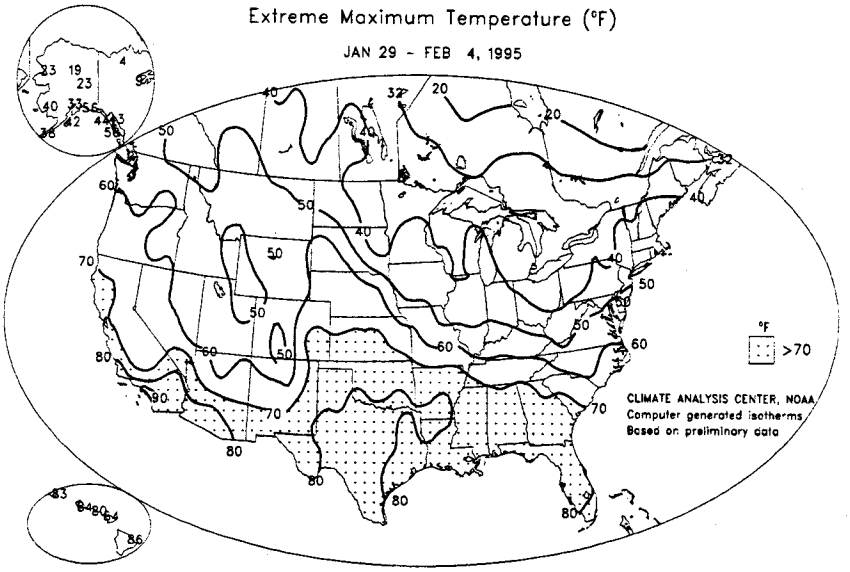
Farm activities: General farm maintenance, feeding livestock, calving, lambing.

WISCONSIN: Temperature 21°. Extremes -22°; 51°. Precipitation trace to 0.20 in. Cloudy skies were evident throughout the State during the first part of the week. Snow squalls, late in the week, were seen along Lake Michigan in Iron, Vilas, Door counties with accumulations of up to 12 in. Arctic air flowed into the State on 4th, brought low temperatures to below zero in northern parts of State, single digits in the south.

Farming activity was limited to general chores, manure spreading with the cold weather of last week.

WYOMING: Temperatures 1 to 14° above normal, except for Mountain View averaging 10° below normal. Extremes -16° Moran, 60° Powell. Colony was the warm spot averaging 14° above normal. Precipitation scattered throughout State. Moran received the most with 1.27 in.

Topsoil moisture supplies 79% adequate or better; subsoil moisture supplies 67% adequate or better. Winter wheat mostly fair. Lack of snowcover on winter wheat causing some wind, freeze damage. Wind damage 15% none, 60% light, 25% moderate; freeze damage 20% none, 58% light, 22% moderate. Livestock are in mostly good condition.



International Weather and Crop Summary
HIGHLIGHTS

January 29 - February 4, 1995

FSU-WESTERN: Unseasonably warm weather was accompanied by mixed precipitation.

NORTHWESTERN AFRICA: Unrelenting drought in Morocco continued to adversely affect winter grain development.

EUROPE: Drier weather eased flooding in the northwest, but drought persisted in Spain.

SOUTHEAST ASIA: Heavy rain inundated much of Java, causing additional flooding in many rice areas.

SOUTH AFRICA: Beneficial rain covered most corn areas, the exception being the hardest hit drought areas of Orange Free State.

EASTERN ASIA: Cooler weather kept winter wheat dormant across the North China Plain.

AUSTRALIA: Late-week showers brought additional relief to sorghum in Queensland.

SOUTH AMERICA: Showers benefited reproductive soybeans across central Argentina and southern Brazil.

January 1995
MONTHLY DATA FROM SELECTED FOREIGN CITIES
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
****** = DATA NOT AVAILABLE***

COUNTRY	CITY	TEMPERATURE (C) AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	PRECIPITATION (MM) TOTAL	DPART F/NRM
NORWAY	OSLO	-3	-9	4	-23	-6	1.1	107	47
SWEDEN	STOCKHOLM	-1	-5	3	-16	-3	-0.1	45	7
FINLND	HELSINKI	-2	-5	3	-18	-3	3.5	59	18
U KING	GLASGOW	6	1	12	-9	4	0.1	157	25
	EDINBURGH	6	1	12	-9	4	0.1	74	16
	BIRMINGHAM	7	2	11	-8	4	0.8	95	35
	LONDON	8	3	12	-7	5	1.2	167	89
IRELND	DUBLIN	8	2	13	-3	5	-0.2	108	38
ICELND	REYKJAVIK	0	-4	6	-10	-2	-1.4	52	-24
DENMRK	COPENHAGEN	2	-1	5	-6	0	0.1	59	10
LUXEMB	LUXEMBOURG	3	0	11	-11	1	1.2	193	121
SWITZL	ZURICH	2	-2	12	-10	0	0.4	121	52
	GENEVA	5	-1	13	-10	2	1.2	186	107
FRANCE	PARIS/ORLY	8	3	15	-5	5	***	100	**
	STRASBOURG	5	0	13	-9	3	1.6	54	18
	BOURGES	7	2	14	-7	5	1.5	85	25
	BORDEAUX	10	4	18	-4	7	1.6	136	41
	TOULOUSE	10	3	19	-6	6	1.2	88	36
	MARSEILLE	11	3	18	-5	7	0.5	39	-7
SPAIN	VALLADOLID	10	2	14	-3	6	2.1	49	2
	MADRID	12	1	17	-6	7	1.2	11	-39
	SEVILLE	17	6	20	1	11	0.3	17	-47
PORTUG	LISBON	15	10	18	3	13	1.4	54	-66
GERMNY	HAMBURG	3	-1	11	-9	2	1.0	109	47
	BERLIN	3	-1	13	-8	1	1.0	53	10
	DUSSELDORF	5	1	13	-8	3	1.2	143	80
	LEIPZIG	3	-2	13	-12	1	0.9	33	-1
	DRESDEN	2	-2	13	-11	0	1.4	36	-2
	STUTTGART	3	-2	13	-15	1	1.0	56	7
	NURNBERG	3	-2	14	-11	0	0.9	113	68
AUSTRI	VIENNA	2	-3	15	-10	0	1.0	18	-10
	INNSBRUCK	2	-6	12	-15	-2	-0.4	101	54
CZECH	PRAGUE	1	-4	13	-15	-1	0.9	24	0
POLAND	WARSAW	0	-3	10	-12	-2	1.7	20	-2
	LODZ	1	-3	10	-10	-1	1.0	29	-9
	KATOWICE	1	-4	12	-13	-1	1.3	35	-7
	PRZEMYSL	1	-3	11	-13	-2	1.8	15	-14
HUNGAR	BUDAPEST	2	-3	14	-11	-1	0.9	30	-2
F YUGO	BELGRADE	4	-1	20	-8	2	0.9	90	41
ROMANI	BUCHAREST	1	-5	13	-16	-2	0.5	40	-7
BULGAR	SOFIA	2	-4	15	-13	-1	0.1	53	14
ITALY	MILAN	8	-2	18	-7	3	1.9	34	-30
	VERONA	8	-1	13	-5	4	1.7	34	-45
	VENICE	7	0	12	-5	4	1.3	22	-39
	GENOA	12	6	19	1	9	0.8	47	-42
	ROME	12	4	17	-3	8	0.0	11	-73
	NAPLES	12	6	18	0	9	0.3	53	-51
GREECE	THESSALONIKA	8	3	20	-4	6	0.7	42	2
	LARISSA	10	2	21	-6	6	0.7	65	7
	ATHENS	14	8	20	1	11	0.6	82	26
TURKEY	ISTANBUL	9	4	17	-3	6	1.2	114	28
	ANKARA	6	-2	15	-12	2	1.3	34	2
CYPRUS	LARNACA	17	9	20	5	13	0.9	25	-69
ESTONI	TALLINN	-1	-5	4	-10	-3	2.7	38	-13
FSU	ST.PETERSBRG	-2	-6	3	-12	-4	3.7	31	-6
LITHUA	KAUNAS	-2	-5	5	-18	-4	1.4	49	14
FSU	MINSK	-2	-6	5	-17	-4	2.5	29	-9
	KAZAN	-9	-13	1	-25	-11	1.7	39	8
	MOSCOW	-4	-8	3	-18	-6	3.0	67	27
	YEKATERINBURG	-7	-13	3	-21	-10	4.0	4	-19
	OMSK	-13	-20	1	-30	-16	0.9	12	-9
	KUSTANAY	-13	-20	1	-30	-16	0.0	6	-11
	KRASNOYARSK	**	**	**	**	**	***	**	**
	NOVOSIBIRSK	-11	-17	-1	-26	-14	5.2	13	-7
	BARNAUL	-12	-19	0	-30	-15	-0.4	11	-13
	KHABAROVSK	-15	-25	-4	-35	-20	0.8	13	1
	VLADIVOSTOK	-7	-13	2	-20	-10	3.1	0	-12
	KIEV	-2	-6	5	-17	-4	1.7	38	-4
	LVOV	0	-5	9	-13	-3	1.8	26	-10
	KIROVOGRAD	-2	-6	5	-20	-4	1.3	30	-5

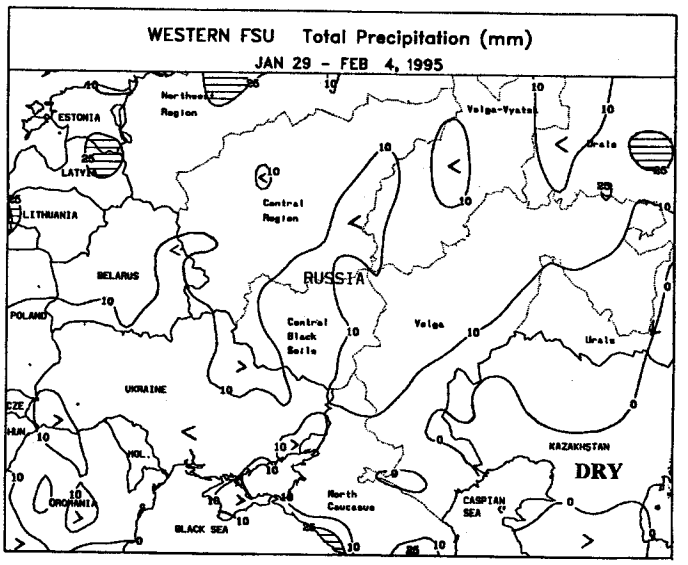
Based on Preliminary Reports

January 1995

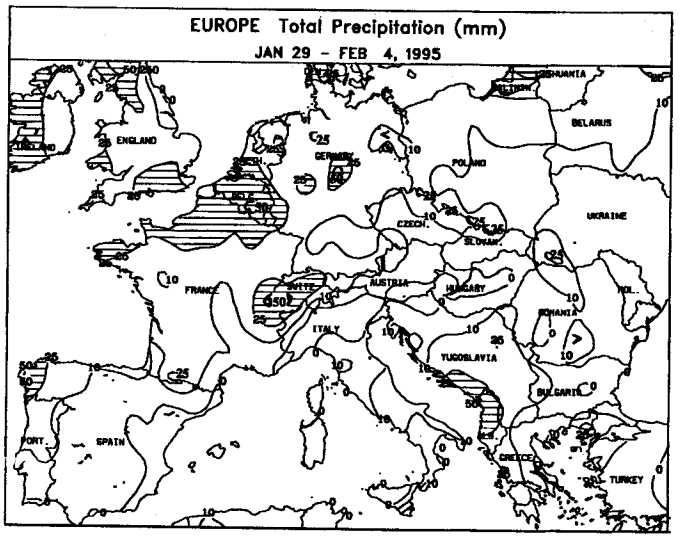
COUNTRY	CITY	TEMPERATURE (C) AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	PRECIPITATION (MM) TOTAL	DPART F/NRM
FSU	ODESSA	2	-3	9	-14	-1	0.6	24	-20
	YALTA	7	3	17	-3	5	1.3	137	71
	SARATOV	-7	-11	5	-19	-9	2.0	79	46
	KHARKOV	-3	-7	3	-18	-5	1.6	61	18
	VOLGOGRAD	-4	-8	3	-19	-6	2.4	46	10
	ROSTOV	0	-4	10	-15	-2	2.3	82	30
	ASTRAKHAN	1	-4	5	-13	-2	3.5	8	-5
	KRASNODAR	4	-1	15	-18	2	1.7	86	20
	ORENBURG	-11	-17	2	-27	-14	-0.7	11	-15
	TSELINOGRAD	-11	-18	0	-30	-14	3.0	5	-2
	KARAGANDA	-10	-17	3	-26	-14	-0.4	19	-1
	TBILISI	9	0	16	-6	4	2.8	7	-12
	TASHKENT	7	-2	16	-9	2	1.0	44	-8
	ASHKHABAD	11	0	22	-10	6	3.4	20	-5
SYRIA	DAMASCUS	13	1	18	-3	8	1.3	5	-29
ISRAEL	JERUSALEM	13	5	18	1	9	0.3	32	-105
PAKIST	KARACHI	25	12	30	8	19	0.7	89	83
INDIA	AMRITSAR	18	5	22	2	12	-0.1	46	21
	NEW DELHI	20	8	23	3	14	-0.5	70	53
	AHMEDABAD	27	12	30	4	19	-0.7	0	-2
	INDORE	24	9	28	5	17	-1.5	13	8
	CALCUTTA	25	12	27	9	18	-1.3	16	5
	VERAVAL	28	15	33	12	22	0.3	0	-1
	BOMBAY	30	16	35	12	23	-0.4	1	1
	POONA	27	10	32	7	19	-1.9	17	17
	BEGAMPET	27	14	31	10	21	-1.4	39	34
	VISHAKHAPATNAM	26	21	28	18	24	***	91	**
	MADRAS	28	21	31	19	25	0.2	115	88
	MANGALORE	33	21	36	17	27	0.4	1	-4
H KONG	KINGS PEAK	19	14	25	9	17	***	18	**
N KREA	PYONGYANG	-1	-12	7	-21	-6	2.4	9	0
S KREA	SEOUL	2	-5	10	-11	-2	3.3	11	-6
JAPAN	SAPPORO	-1	-6	7	-14	-3	1.2	130	22
	NAGOYA	8	1	14	-3	5	0.7	53	10
	TOKYO	10	3	16	-1	6	1.2	37	-8
	YOKOHAMA	10	3	19	-2	6	1.5	75	14
	KYOTO	8	2	17	-1	5	1.1	47	-11
	OSAKA	9	3	17	0	6	0.9	52	5
THAILN	PHETCHABUN	32	17	34	12	25	1.9	0	-9
	BANGKOK	32	21	37	14	27	0.1	0	-9
MALAYS	KUALA LUMPUR	32	24	34	22	28	1.8	235	71
VIETNM	HANOI	19	14	26	10	17	-0.1	25	7
CHINA	HARBIN	-10	-21	0	-27	-15	5.0	3	-1
	HAMI	-4	-18	1	-22	-11	-0.3	0	-1
	LANCHOW	0	-10	5	-13	-5	1.1	2	0
	BEIJING	4	-5	11	-9	-1	3.7	0	-3
	TIENTSIN	4	-7	12	-10	-1	1.8	0	-3
	LHASA	6	-8	10	-13	-1	0.6	0	0
	KUNMING	16	4	20	1	10	1.9	12	0
	CHENGCHOW	8	-3	16	-7	2	1.6	0	-13
	YEHCHANG	9	2	14	-1	5	0.6	23	4
	HANKOW	7	1	12	-2	4	0.9	83	50
	CHUNGKING	10	6	15	2	8	***	22	**
	CHIHKIANG	7	2	16	-3	5	-0.2	41	2
	WU HU	8	0	18	-3	4	***	90	**
	SHANGHAI	8	2	16	-1	5	***	54	**
	NANCHANG	8	3	17	-2	5	0.4	89	33
	TAIPEI	18	14	25	7	16	0.7	99	9
	CANTON	17	11	26	6	14	0.8	37	-7
	NANNING	15	10	26	5	13	0.0	49	14
CNRY I	LAS PALMAS	21	16	23	11	18	1.0	0	-15
MOROCC	CASABLANCA	18	8	24	4	13	0.3	3	-61
	MARRAKECH	20	5	25	-7	13	0.9	0	-24
ALGERI	ALGER	16	6	23	0	11	0.2	165	69
	BATNA	12	0	19	-8	6	1.4	14	-26
TUNISI	TUNIS	16	7	25	2	12	0.2	63	-10
NIGER	NIAMEY	30	14	33	10	22	-1.9	0	0
MALI	TIMBUKTU	26	**	31	**	**	***	0	0
	BAMAKO	31	18	34	13	24	-0.7	0	0
MAURIT	NOUAKCHOTT	29	16	32	10	23	1.4	0	0
SENEGL	DAKAR	26	18	31	14	22	1.4	0	-2
CHAG A	DIEGO GARCIA	30	26	33	24	28	0.4	329	1
LIBYA	TRIPOLI	16	6	23	-1	11	-1.2	115	55
	BENGHAZI	16	8	20	2	12	-0.9	100	35
EGYPT	CAIRO	18	9	21	0	14	-0.2	0	-6
	ASWAN	23	9	27	4	16	0.5	0	0
ETHIOP	ADDIS ABABA	24	6	30	2	15	-0.7	**	**
KENYA	NAIROBI	27	13	29	8	20	0.3	59	17
TANZAN	DAR ES SALAAM	31	24	33	22	28	0.5	29	-56
GABON	LIBREVILLE	30	**	32	23	**	***	78	-209
TOGO	LOME	33	24	34	20	28	1.4	0	-14
B FASO	OUAGADOUGOU	31	16	35	13	24	-1.2	0	0
IVRY C	ABIDJAN	32	24	37	18	28	1.1	3	-14
MOZAMB	MAPUTO	31	23	37	19	27	0.5	91	-91
ZAMBIA	LUSAKA	29	18	32	16	**	***	94	-136
ZIMBAB	HARARE	27	16	31	15	22	1.4	166	-26
S AFRI	PRETORIA	30	18	35	14	24	1.5	41	-95
	JOHANNESBURG	26	15	31	10	20	0.9	93	-32
	BETHAL	26	14	32	10	20	0.4	170	35
	DURBAN	28	21	33	15	25	0.4	73	-61
	CAPE TOWN	27	16	34	12	21	0.9	5	-10
CANADA	TORONTO	0	-6	13	-16	-3	3.5	133	87
	MONTREAL	-3	-10	11	-24	-6	4.0	**	**
	WINNIPEG	-11	-21	2	-34	-16	2.1	24	4
	REGINA	-10	-18	3	-29	-14	2.5	14	-1
	SASKATOON	-11	-19	5	-31	-15	2.9	13	-3
	LETHBRIDGE	0	-14	11	-31	-7	1.4	0	-20
	CALGARY	-1	-14	11	-23	-7	1.8	3	-9
	EDMONTON	-6	-15	6	-26	-10	2.3	**	**
	VANCOUVER	8	1	14	-7	4	1.4	164	15
MEXICO	GUADALAJARA	23	8	28	2	15	-0.4	3	-10
	MEXICO CITY	22	9	25	8	16	3.4	11	6
	ACAPULCO	32	23	34	21	27	1.1	0	-5
BERMUD	ST. GEORGES	21	17	27	12	19	1.0	102	-23
BAHAMA	NASSAU	26	18	30	10	22	0.8	10	-36
JAMAIC	KINGSTON	31	22	33	21	27	0.9	12	-11
P RICO	SAN JUAN	30	22	33	20	26	0.6	89	18
GUADEL	RAIZET	30	20	32	17	25	1.2	8	-50
MARINQ	LAMENTIN	29	22	31	20	26	1.4	50	-64
BARBAD	BRIDGETOWN	29	23	29	20	26	0.5	31	-32
TRINID	PORT OF SPAIN	31	21	31	12	26	1.2	11	-56
COLOMB	BOGOTA	20	4	25	-2	12	-0.8	3	-30
VENEZU	CARACAS	30	22	33	21	26	1.3	2	-30
F GUIA	CAYENNE	29	24	30	21	26	0.5	140	-288
BRAZIL	FORTALEZA	**	24	32	23	**	***	117	-14
	RECIFE	**	**	30	21	**	***	23	-68
	BELO HORIZONTE	30	22	35	19	26	2.7	90	-209
	CAMPO GRANDE	30	21	33	20	25	0.5	228	-56
	FRANCA	28	19	33	17	24	4.7	280	-17
	LONDRINA	**	21	33	20	**	***	206	-17
	SANTA MARIA	29	20	36	16	**	***	140	-5
	PORTO ALEGRE	30	21	36	16	26	0.8	96	-23
PERU	LIMA	28	21	30	20	25	2.1	0	0
BOLIVI	LA PAZ	15	4	20	2	10	0.5	137	-7
CHILE	SANTIAGO	29	12	34	2	21	-0.3	0	0
ARGENT	IGUAZU	31	21	36	18	26	***	195	**
	FORMOSA	32	23	36	17	28	0.2	295	149
	CERES	31	20	39	15	25	-0.4	157	27
	CORDOBA	28	17	36	12	23	-0.7	65	-61
	RIO CUARTO	27	17	32	12	22	-1.3	226	100
	ROSARIO	30	18	37	12	24	-0.6	132	2
	BUENOS AIRES	29	17	36	9	23	-0.5	26	-70
	SANTA ROSA	30	16	36	11	23	-0.8	92	20
	TRES ARROYOS	27	14	34	6	21	-0.5	77	-3
N CALD	NOUMEA	30	23	35	21	27	1.1	18	-95
FIJI	NAUSORI	28	24	29	20	26	-0.2	397	79
SAMOA	PAGO PAGO	30	26	31	24	28	1.1	417	82
TAHITI	PAPEETE	31	24	33	22	28	0.7	461	144
PA N G	PORT MORESBY	32	24	34	23	28	0.6	122	-170
AUSTRL	DARWIN	30	25	34	22	27	-0.9	940	511
	MOREE	30	20	35	17	25	-1.4	229	154
	BRISBANE	28	21	33	18	25	-0.6	43	-125
	PERTH	31	19	38	16	25	1.0	0	-9
	CEDUNA	25	17	37	13	21	-0.8	87	78
	ADELAIDE	28	17	36	12	22	0.6	14	-23
	MELBOURNE	25	15	35	9	20	0.1	114	74
	WAGGA	29	18	36	11	23	-0.3	91	44
	CANBERRA	24	14	32	8	19	-1.2	218	164
INDONE	DJAKARTA	30	23	33	20	27	0.5	517	**
PHILIP	MANILA	30	26	32	23	28	1.6	3	-17

Based on Preliminary Reports

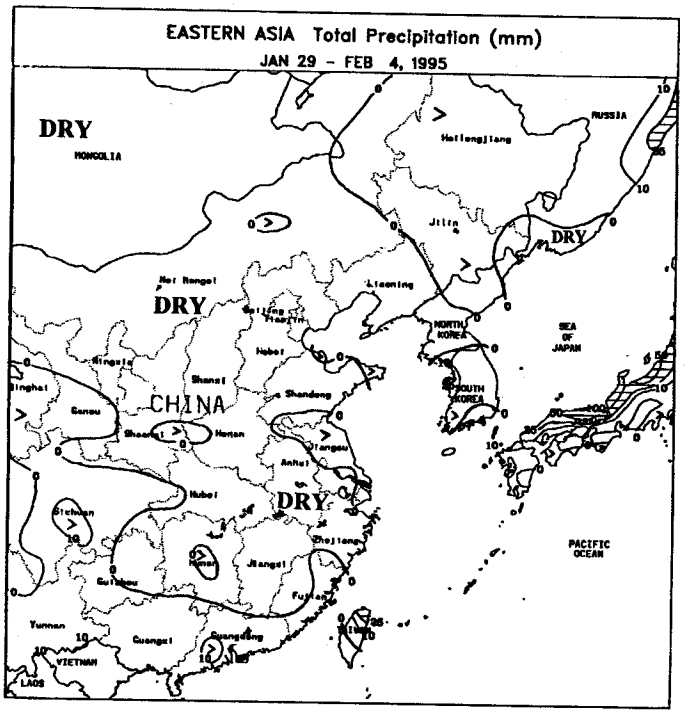
FSU-WESTERN: Unseasonably warm weather was accompanied by a wintry mix of precipitation. Weekly average temperatures were 4-9 degrees Celsius (C) above normal over Russia, Ukraine, Belarus, and the Baltic States. Precipitation in these areas was variable, ranging around 10 mm. By week's end, most winter grain areas in western and southern Ukraine, Belarus, and Lithuania lacked a protective snow cover, leaving crops vulnerable to potential extreme cold.



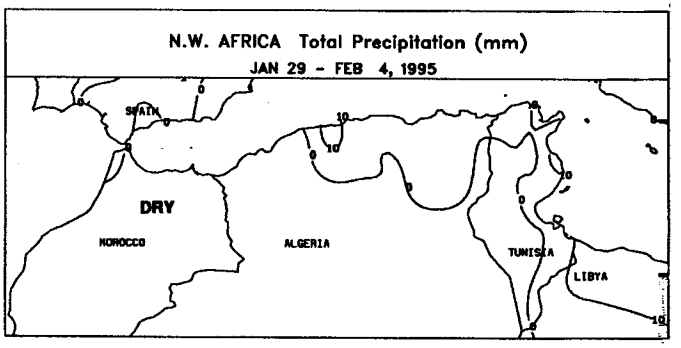
EUROPE: Rainfall diminished over flooded areas of northwestern Europe. However, early-week storms produced 20-40 mm in northern France, the Benelux countries, northwestern Germany, and much of the British Isles. While beneficial rain (10-35 mm) fell again over extreme northwestern portions of the Iberian peninsula, dry weather over most of Spain worsened a severe moisture deficiency for winter crops. Dry weather prevailed from the western Mediterranean region across Italy's Po Valley to Hungary. Another area of early-week precipitation was confined to the southern Adriatic region, where 10-35 mm fell in southeastern Italy and former Yugoslavia. Light precipitation (10 mm or less) fell over southeastern Europe, while 10-20 mm amounts were reported in the northeast. Unseasonably mild weather continued, with temperatures averaging 3-5 degrees C above normal for the third consecutive week in the northwest, and for the second week in the northeast.



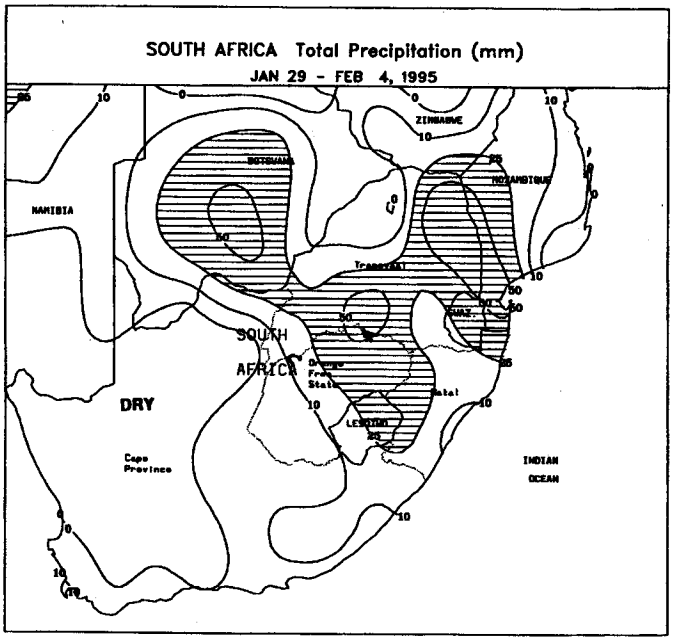
EASTERN ASIA: Cool, dry weather prevailed across northern and central China, keeping winter wheat dormant. Minimum temperatures ranged from -5 to -10 degrees C in the North China Plain and -1 to -3 degrees C along the Yangtze Valley. Temperatures averaged near normal to slightly below normal.



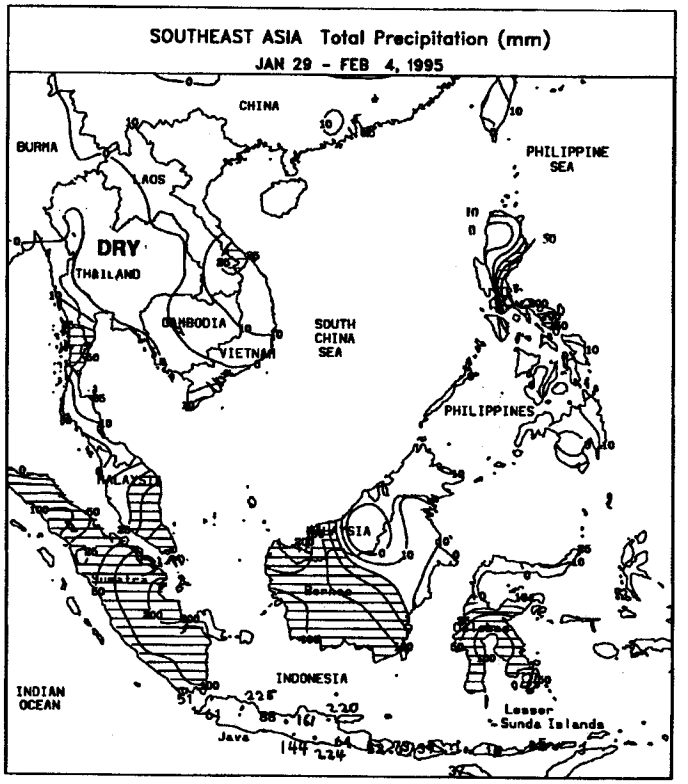
NORTHWESTERN AFRICA: In Morocco, unrelenting drought continued to adversely affect winter wheat and barley development. Crop areas in Morocco have received little, if any, precipitation since early November, placing severe stress on crops, pastures, and livestock. In Algeria and Tunisia, spotty showers (2-10 mm) fell over winter grains in central and eastern Algeria and northern Tunisia. Mostly dry weather continued over western Algeria and southern Tunisia, where a lack of moisture was increasing stress on winter grains in the vegetative stage.



SOUTH AFRICA: Moderate rain (24-41 mm) covered most primary corn areas, including much of the North West Province, where highs ranged from the low to mid 30's C. The warmest and driest areas in North West Province were on the western edge of the corn belt, a situation that has been typical of most of the growing season. In the east, the rain maintained generally favorable growing conditions for reproductive to filling corn. However, in western Orange Free State, unfavorably warm, dry weather persisted, stressing corn at varying stages of development. Crops throughout that area, especially late-planted grains that have yet to enter reproduction, need rain soon to prevent further declines in yield potential. In Kwazulu-Natal, rainfall was again too light (20 mm or less) to sustain normal growth of sugarcane.



SOUTHEAST ASIA: Heavy showers (100-200 mm or more) inundated Javan rice areas, causing some additional local flooding. While heavy rain is expected this time of year, this week's totals represented 200 to 300 percent of normal at many locations, including some that experienced flooding a few weeks ago. Further north, locally heavy showers (50-100 mm or more) covered sections of Malaysia but rainfall was generally light to moderate (10-50 mm) over peninsular Thailand and coastal areas of central and southern Vietnam. In the Philippines, heavy showers (50-100 mm or more) were concentrated over eastern and southern Luzon but mostly dry, seasonably warm weather prevailed elsewhere. Main growing areas in the eastern half of the islands typically receive 100-200 mm during the month of February. Following a drier-than-normal January, immature grains and sugarcane need rain as crops advance through reproduction.



Floods Inundate Northwestern Europe

A succession of storms moved across northern Europe between January 17 (Figure 1) and January 30, bringing widespread heavy precipitation to the British Isles, northern France, Belgium, the Netherlands, and Germany. Precipitation totals generally ranged from over 100 mm in western sections of the flood-stricken area to less than 40 mm in portions of eastern Germany. These amounts were generally 200 to 400 percent of normal. Figure 2 illustrates the sharp increase in daily rainfall in Belgium, resulting in over 400 percent (%) of normal precipitation over an 11-day period.

Additionally, temperatures averaged well above normal across much of the region. Figure 3 depicts the daily average temperatures in southwestern Germany for January 2 to February 1, 1995. Until January 20, daily temperatures averaged mostly below normal with maximum temperatures generally below freezing. A warming trend after January 20 brought temperatures well above normal, with minimum temperatures staying mostly above freezing from January 22 - 30. The unseasonably mild weather increased snow melt. The combination of excessive rainfall and melting snow caused serious flooding at many locations. Since January 31, however, precipitation has eased across the region as the storm track has lifted northward. The two primary concerns for agriculture, if excessive wetness persists, are increased disease potential for winter crops, and spring planting delays.

In contrast to the wet conditions in northwestern Europe, southern and eastern areas of Spain received little or no precipitation from the storms. Little precipitation has fallen in these areas during the winter, as shown in Figure 4, causing a severe water shortage, limiting winter crop development, soil moisture supplies for citrus and fig trees, and irrigation water reserves. Seasonal rainfall is below both the normal and last year's seasonal totals to date. Much of last year's rain fell during the early planting season, but tapered off drastically during the winter. The Mediterranean region typically receives much of its annual precipitation during the winter.

-- Jeff Savadel and Ray Motha

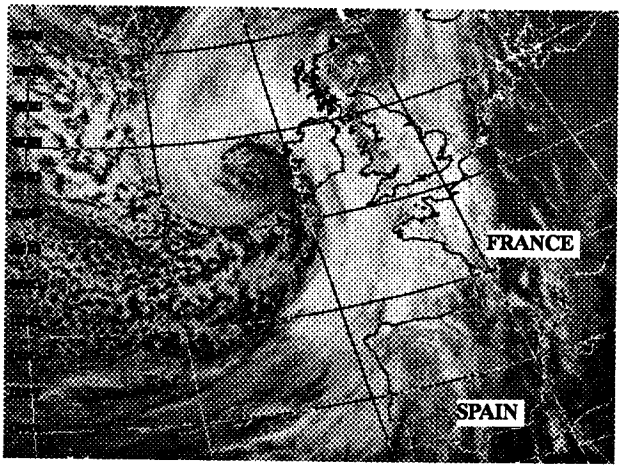


Figure 1.

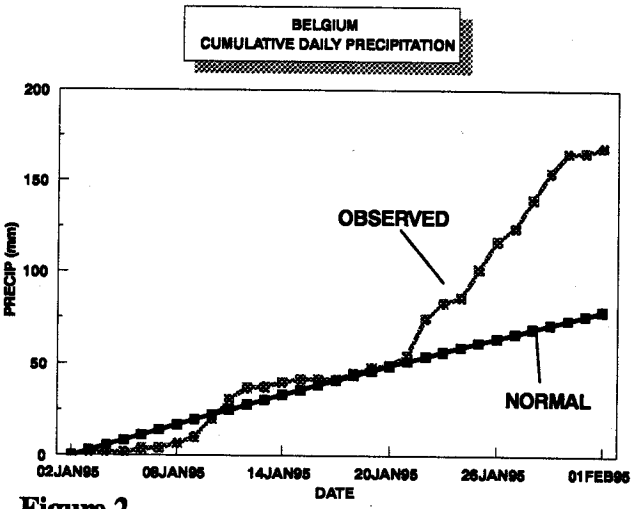


Figure 2.

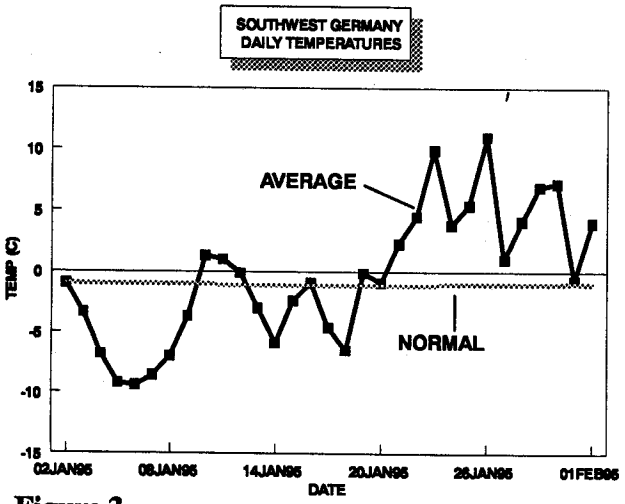


Figure 3.

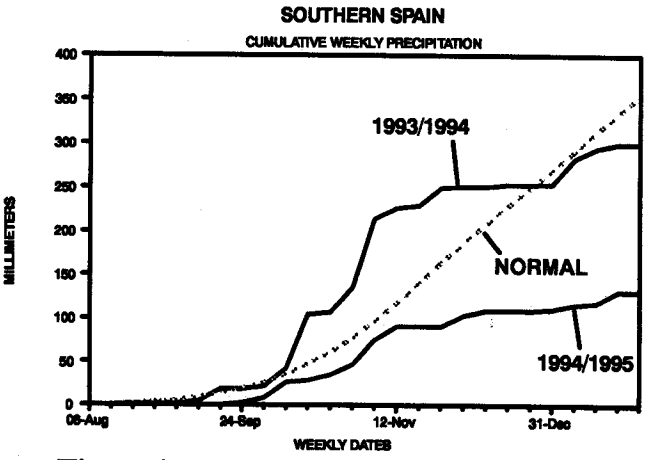


Figure 4.

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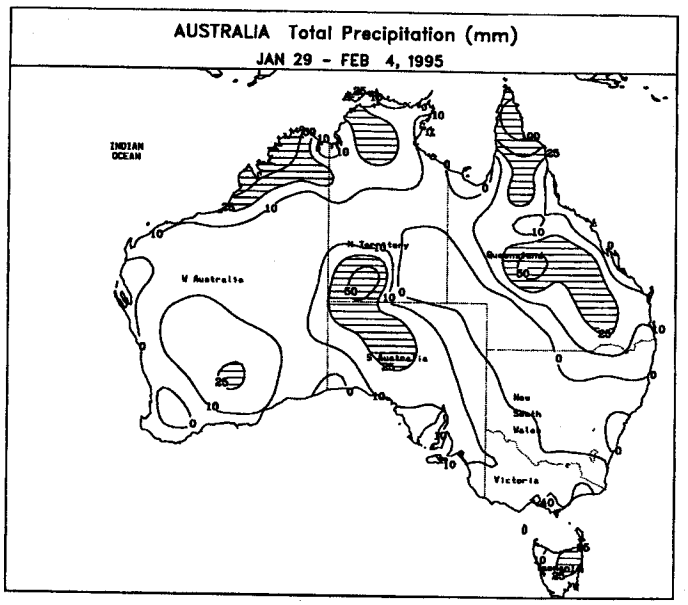
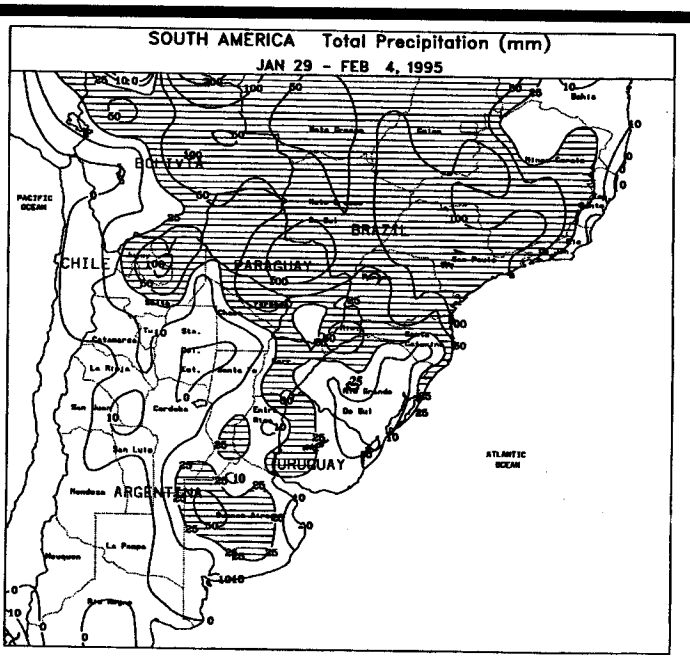


AUSTRALIA: Late-week light to moderate showers (10-35 mm, with isolated amounts greater than 50 mm) fell across eastern Queensland, bringing additional drought relief to sorghum and pastures. However, little or no rain (less than 5 mm) was reported across northern New South Wales. The sugarcane region of northeastern Queensland received only scattered light rain (3-10 mm). Temperatures averaged 1-3 degrees C above normal across most of Queensland and 1-3 degrees C below normal across New South Wales. In New Zealand, light to moderate rain (5-30 mm) fell across the North Island and moderate rain (15-60 mm) across northwestern South Island.



SOUTH AMERICA: Across central Argentina, light to moderate showers (15-40 mm, with isolated amounts greater than 50 mm) benefited vegetative to reproductive soybeans and filling corn. Northern Argentina received light to moderate rain (5-20 mm), favoring cotton. In southern Brazil, widespread showers (30-75 mm) returned to the primary summer crop regions, aiding reproductive to filling soybeans. Heavier showers (75-150 mm) fell across Sao Paulo and southern Minas Gerais, favoring coffee, citrus, and sugarcane, but possibly causing some local flooding. Scattered showers (10-30 mm) brought some drought relief to coastal Espirito Santo and eastern Bahia, but additional rain is still needed. Temperatures averaged 2-4 degrees C below normal across most of Argentina and extreme southern Brazil and near to slightly above normal across the remainder of southern Brazil. Variable showers (6-40 mm) fell across southern Paraguay, aiding cotton and soybeans.

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