

# 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

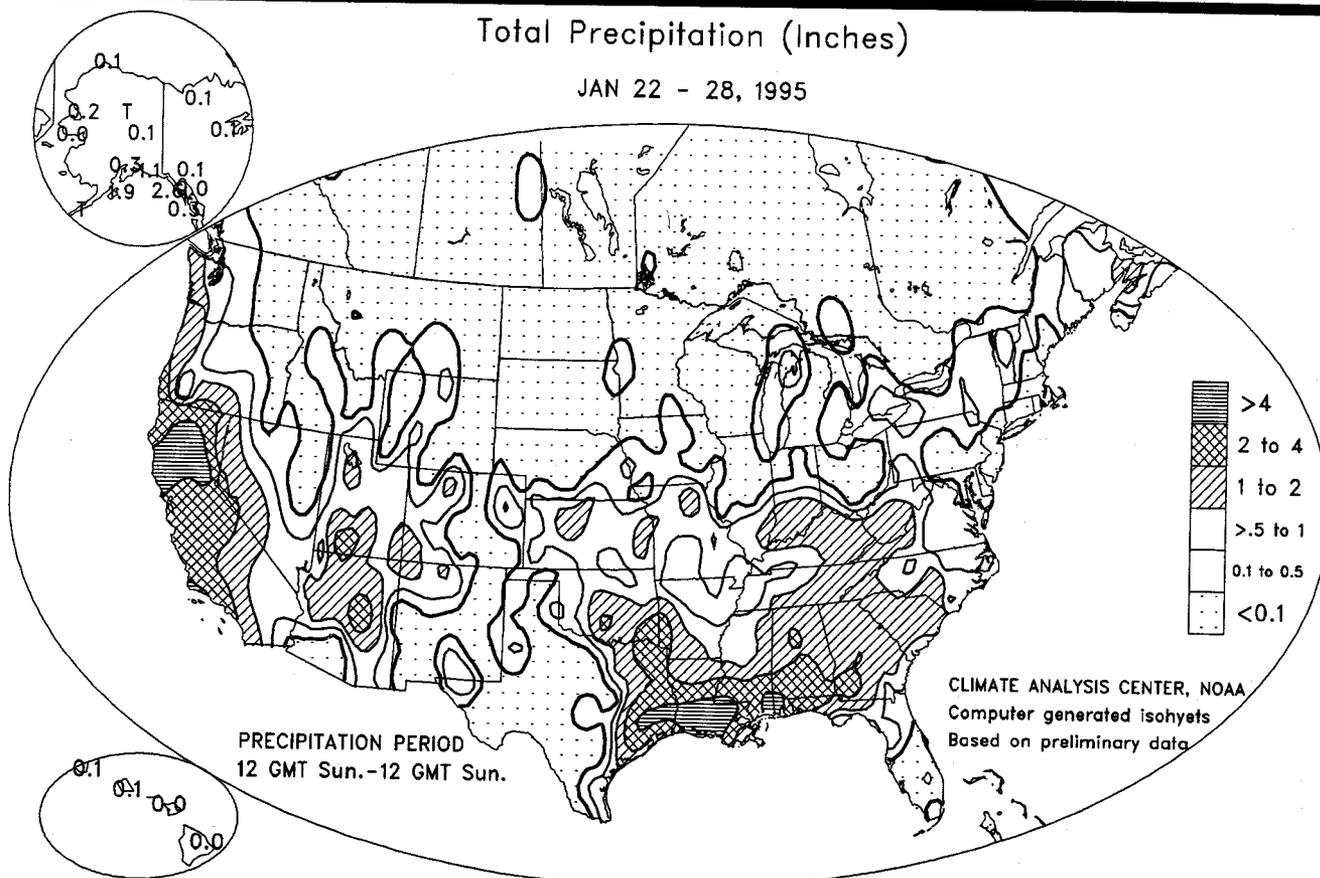
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Washington, D.C.

January 31, 1995

## Total Precipitation (Inches)

JAN 22 - 28, 1995



CLIMATE ANALYSIS CENTER, NOAA  
Computer generated isohyets  
Based on preliminary data

PRECIPITATION PERIOD  
12 GMT Sun.-12 GMT Sun.

## HIGHLIGHTS

January 22 - 28, 1995

Significant precipitation returned to **California**, with 2- to 6-inch totals common in southern-coastal and northern regions. Elsewhere, blustery, showery conditions waned in the **Northeast**, while storminess overspread the southern two-thirds of the Nation.

In **Albany, NY**, where the normal high temperature for late January is 30°F, a 10½-day streak of freeze-free weather ended on Sunday. Colder, drier air continued to infiltrate the Northeast during the week (**Albany** recorded a low of 7°F on January 28), setting the stage for a late-week snow and ice storm from the **Midwest** to the **Middle Atlantic States**. Before precipitation ended in **Massachusetts**, however, **Worcester** and **Boston** marked their longest wet spells on record, formerly set in November 1969. Measurable precipitation was recorded on 13 consecutive days in **Boston** (January 11-23), totaling 2.32 inches, and on 12 consecutive days in **Worcester** (January 11-22).

(Continued to p. 2)

## Contents

	Page
Highlights & Total Precipitation Map .....	1
Temperature Departure & Extreme Minimum Temperature Maps .....	2
California Precipitation Table .....	2
National Weather Data for Selected Cities .....	3
National Agricultural Summary & Snow Cover Map .....	6
State Summaries of Weather and Agriculture .....	7
International Weather and Crop Summary .....	10
Subscription and Mailing Permit Information ..	12

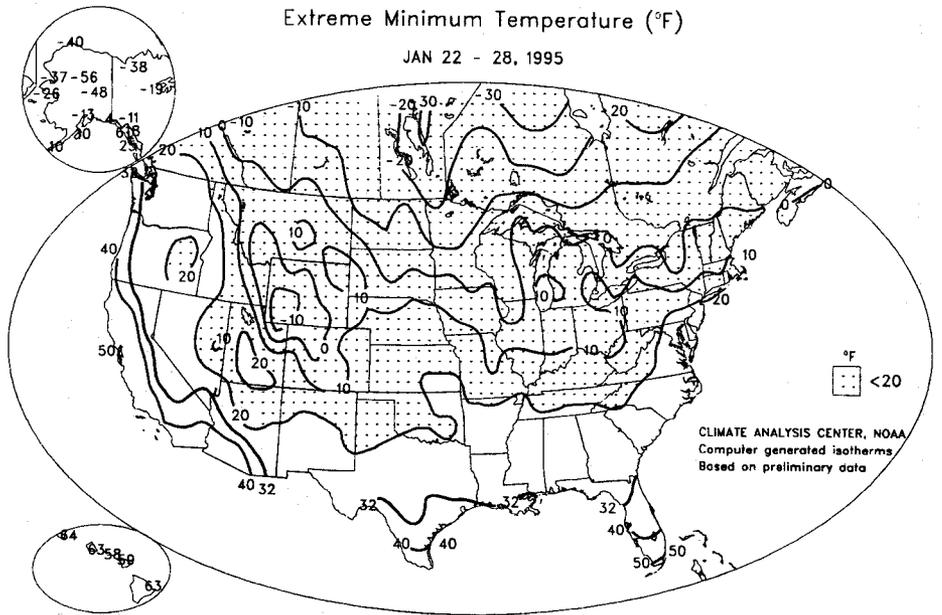
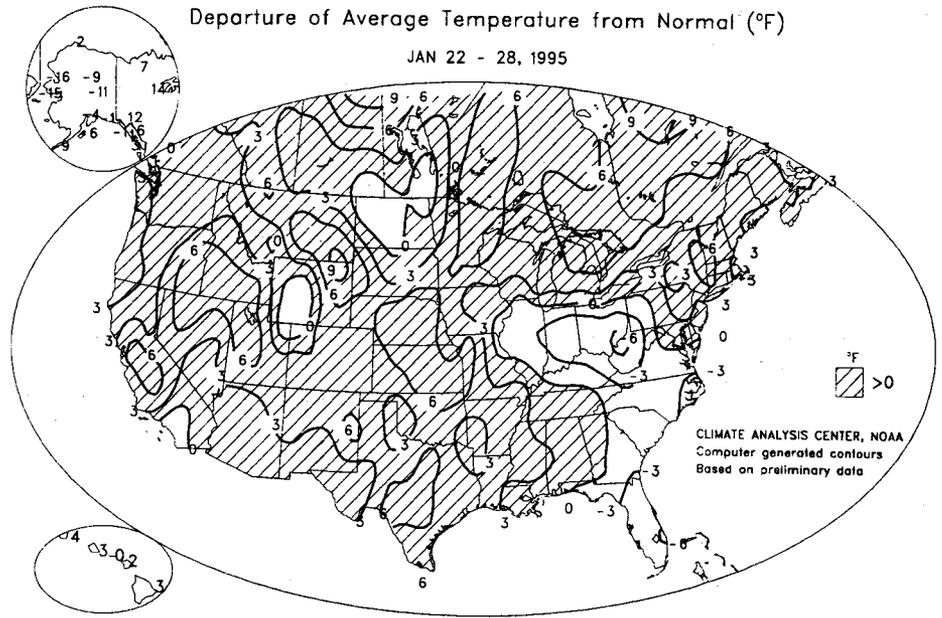
(Continued from front cover)

A storm system traversed the Gulf Coast States early in the week, dropping locally an inch or more of rain from eastern Texas to northwestern Florida, and a band of snow along its northern fringe. Snow depths on Monday morning included 7 inches in McAlester, OK, 4 inches in Little Rock, AR, and 1 inch in Tupelo, MS. Farther north, disturbances crossing the North-Central States drew cold air southward and kept lake-effect squalls active through midweek. Lows on Monday dropped to -26°F in Wisdom, MT and -17°F in Grand Forks, ND. Enough cool air slipped toward the Gulf coast by Tuesday to give Port Arthur, TX its first freeze of the winter (50 days later than normal) and its latest first freeze on record. Warmth quickly returned to the Gulf Coast States, however, with daily-record highs set on Saturday in Tallahassee, FL (80°F) and Apalachicola, FL (78°F).

The latest round of heavy precipitation to hit California left as much as 7.52 inches of rain in 24 hours (on January 23-24) at Old Man Mountain, north of Santa Barbara. Rainfall in southern-coastal areas during the week propelled Santa Barbara and Santa Maria to all-time monthly rainfall records, and led to the flooding of a water treatment plant in Paso Robles. San Diego logged 1.99 inches on January 25, setting a daily record and making this month their second wettest January on record. In the San Gabriel Mountains northeast of Los Angeles, Mt. Wilson tallied 6.72 inches of rain on January 23-25. Even in the desert, Blythe recorded 1.66 inches on January 25-26, more than four times their monthly normal. Farther north, weekly totals included 6.42 inches in Redding and 4.96 inches at Blue Canyon, aggravating flooding in the Sacramento River basin. On Friday, Fresno, CA set a January record with its 20th day of measurable rain. Three days later (on January 30), all-time monthly records of the same type were tied at the downtown observing sites in San Francisco (26 days) and Sacramento (25 days).

In Las Vegas, NV, midweek rainfall of 1.02 inches increased the monthly rainfall to a January-record 3.00 inches. Nearby Mt. Charleston received 3 feet of snow. Heavy snow also blanketed peaks in the Four Corners States. Totals in Utah included 35 inches at Alta and 23 inches at Bryce Canyon N.P. More than a foot of new snow on Mt. Lemmon, near Tucson, brought the snow depth to 41 inches. Light rain spread into the central Plains on Thursday, changing to snow by week's end. Snow depths by Sunday morning reached 2 inches in Denver, CO and 4 inches in Wichita, KS. A band of snow and ice plagued areas from Iowa to the Middle Atlantic region, resulting in accumulations of 5 inches in Covington, KY, 4 inches in Washington, DC, and 3 inches in Indianapolis, IN. Meanwhile, heavy rain spread across the Gulf Coast region, pushing weekly rainfall to 4.23 inches in Mobile, AL, 4.14 inches in Baton Rouge, LA, and 3.42 inches in Houston, TX.

Frigid air invaded Alaska during the week. On Friday, the low of -48°F at Fairbanks was the coldest reading since early-February 1993. Other lows included -60°F at Jim River and -54°F at Bettles.



### California Precipitation (Inches) (through January 30, 4 p.m. PST)

Location	January Total	% of Normal	Total Since July 1, 1994	% of Normal	Normal Annual Total
Blue Canyon	34.36	244	N/A	N/A	67.87
Mt. Shasta	27.22	431	N/A	N/A	37.02
Redding	21.70	358	33.37	164	33.30
Santa Rosa	16.06	247	28.81	155	30.30
L.A. (LAX)	12.56	523	14.71	190	14.77
Sacramento	12.35	321	20.30	183	18.61
Santa Maria	11.78	545	15.15	246	12.36
Eureka	10.81	180	26.77	119	37.53
San Francisco	8.80	205	22.70	184	20.52
San Jose	8.71	311	13.04	161	14.42
San Diego	8.06	344	9.37	170	9.90
Fresno	5.41	276	9.28	169	10.60
Bakersfield	2.29	266	4.77	175	5.72

# National Weather Data for Selected Cities

Weather Data for the Week Ending January 28, 1995

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.	
																			90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	55	32	71	23	43	2	1.3	.1	.8	7.0	72	2.9	62	93	40	0	0	5	4	1	2	
MOBILE	63	38	76	26	50	1	4.3	3.2	3.1	11.0	114	7.9	185	97	33	0	0	2	4	2	4	
MONTGOMERY	60	35	76	27	48	3	2.6	1.5	1.5	9.2	96	4.8	106	91	43	0	0	3	4	2	0	
AK ANCHORAGE	18	5	32	-13	11	-4	.4	.2	.3	1.9	107	.4	60	86	69	0	0	7	3	0	0	
BARROW	-8	-17	7	-40	-13	2	.1	.0	.0	.2	96	.1	55	80	73	0	0	7	3	0	0	
FAIRBANKS	-11	-31	20	-48	-21	-11	.1	.1	.1	.7	56	.2	56	80	72	0	0	7	2	0	0	
JUNEAU	35	27	44	18	31	6	.4	.0	.0	3.5	41	.4	0	56	84	0	0	5	0	0	0	
KODIAK	31	16	41	10	24	-6	1.9	.3	1.2	15.3	113	6.8	101	87	66	0	0	7	2	2	2	
NOME	-1	-15	13	-26	-8	-15	.4	.2	.2	2.9	184	1.1	152	76	57	0	0	7	0	0	0	
AZ PHOENIX	64	46	70	40	55	1	.1	.0	.1	4.4	277	1.4	223	83	31	0	0	0	2	0	0	
PRESCOTT	48	29	56	23	38	2	.8	.5	.6	2.3	76	.9	67	81	45	0	0	5	2	1	1	
TUCSON	65	42	74	36	53	1	.2	.0	.2	5.1	274	1.4	176	77	29	0	0	0	2	0	0	
YUMA	66	49	69	47	58	0	.1	.0	.1	2.8	359	1.6	506	81	36	0	0	0	1	0	0	
AR FORT SMITH	49	31	69	22	40	3	.4	.0	.3	6.8	142	3.0	177	95	58	0	0	4	3	0	0	
LITTLE ROCK	50	35	62	25	43	3	.6	.0	.3	7.6	102	3.5	129	77	51	0	0	3	3	0	0	
CA BAKERSFIELD	63	48	65	44	55	6	.2	-.1	-.1	2.7	194	1.4	179	70	46	0	0	0	3	0	0	
BUREKA	58	47	64	44	53	4	1.6	.3	.5	16.7	145	9.7	177	94	54	0	0	0	7	0	0	
FRESNO	57	49	62	44	53	6	1.6	1.2	.5	6.7	211	5.4	304	96	66	0	0	0	6	0	0	
LOS ANGELES	61	51	70	48	56	-1	3.3	2.7	1.6	13.8	364	12.8	595	92	46	0	0	0	3	3	5	
REDDING	51	45	54	42	48	1	6.4	5.1	2.2	26.9	244	21.4	389	98	86	0	0	0	7	5	3	
SACRAMENTO	56	49	60	47	53	7	2.1	1.2	.8	..	..	12.1	349	99	79	0	0	0	6	1	1	
SAN DIEGO	63	52	68	48	57	0	2.0	1.6	1.7	8.5	262	7.7	467	92	41	0	0	0	4	1	1	
SAN FRANCISCO	56	50	60	46	53	4	1.8	.8	.6	11.3	160	8.8	222	98	62	0	0	0	7	1	1	
CO DENVER	49	23	59	14	36	6	.1	.0	.1	.4	36	.1	20	88	30	0	0	6	2	0	0	
GRAND JUNCTION	43	25	49	16	34	5	.2	.1	.2	1.3	110	.6	135	87	49	0	0	6	2	0	0	
FUERLO	50	16	56	1	33	2	.4	-.1	-.1	.3	38	.4	10	87	30	0	0	6	0	0	0	
CT BRIDGEPORT	39	28	43	17	33	5	.4	-.7	-.1	6.0	93	2.3	77	70	45	0	0	7	1	0	0	
HARTFORD	35	23	38	10	29	5	.1	-.7	.1	8.2	118	2.9	92	77	46	0	0	7	1	0	0	
DC WASHINGTON	42	28	45	25	35	0	.3	-.3	.3	5.6	100	3.2	129	68	36	0	0	7	1	0	0	
FL PANAMA CITY	61	42	69	33	52	1	1.0	-.2	1.0	5.0	53	2.0	43	94	52	0	0	0	1	1	1	
DAYTONA BEACH	66	41	75	35	53	-4	.4	-.6	-.4	3.9	77	1.2	48	82	38	0	0	0	0	0	0	
JACKSONVILLE	63	37	75	29	50	-5	.5	-.3	.5	5.9	103	1.9	68	92	41	0	0	1	1	0	0	
KEY WEST	72	60	80	55	66	-4	.0	-.4	.0	7.6	198	3.1	169	77	54	0	0	0	0	0	0	
MIAMI	71	53	80	48	62	-5	.0	-.5	.0	7.7	210	2.7	150	73	39	0	0	0	0	0	0	
ORLANDO	68	43	78	38	55	-4	.1	-.4	.1	4.0	95	1.0	46	86	45	0	0	0	2	0	0	
TALLAHASSEE	66	35	80	26	50	0	1.2	.2	1.2	6.0	64	3.2	75	93	42	0	0	4	1	1	1	
TAMPA	67	42	72	36	55	-5	.3	-.2	.3	4.6	118	3.1	174	95	47	0	0	0	1	0	0	
WEST PALM BEACH	70	47	79	41	59	-7	.0	-.6	.0	3.8	83	1.6	74	85	37	0	0	0	0	0	0	
GA ATLANTA	54	33	68	27	44	3	1.1	.1	.7	4.7	55	3.1	73	83	39	0	0	4	4	1	1	
AUGUSTA	55	30	61	23	43	-1	1.5	.6	1.0	6.6	94	3.7	101	88	39	0	0	5	2	2	2	
MACON	57	31	72	26	44	-1	1.5	.4	.8	5.5	65	2.7	67	87	39	0	0	5	3	2	2	
SAVANNAH	58	36	68	28	47	-2	.2	-.6	.2	6.9	111	2.4	75	89	42	0	0	2	2	0	0	
HI HILLO	83	66	85	63	74	3	.4	-.2	-.2	10.3	49	4.3	48	79	54	0	0	0	0	0	0	
HONOLULU	82	70	83	63	76	3	.1	-.6	.1	4.4	5	.2	7	83	65	0	0	0	1	0	0	
KAHULUI	82	65	84	59	74	2	.4	-.9	.4	6	9	.3	7	81	53	0	0	0	0	0	0	
LIHUE	81	70	85	64	75	4	.1	-1.2	.1	1.4	14	1.4	25	74	56	0	0	0	0	0	0	
ID BOISE	47	30	54	23	38	8	.2	-.1	.2	3.5	133	1.7	131	81	43	0	0	6	4	1	0	
LEWISTON	42	31	46	26	36	2	.4	-.2	.4	1.3	52	.2	16	86	58	0	0	4	1	0	0	
POCATELLO	41	22	47	9	32	7	.3	.1	.3	2.7	133	1.5	154	90	56	0	0	5	1	0	0	
IL CHICAGO	29	12	34	5	20	0	.3	.0	.2	4.5	116	3.2	228	85	37	0	0	7	2	0	0	
MOLINE	29	7	34	-2	18	-2	.4	.1	.3	5.4	148	3.8	262	83	60	0	0	7	3	0	0	
PEORIA	29	13	34	3	21	-1	.2	-.1	.2	5.0	132	2.8	204	86	55	0	0	7	4	0	0	
QUINCY	29	15	34	9	22	-2	.2	-.1	.1	3.6	101	2.1	171	90	62	0	0	7	2	0	0	
ROCKFORD	25	6	31	-3	16	-2	.1	-.2	.1	2.7	84	1.5	123	98	67	0	0	7	2	0	0	
SPRINGFIELD	32	17	37	8	25	0	.3	.0	.3	5.7	138	3.7	266	89	59	0	0	7	2	0	0	
IN EVANSVILLE	39	22	44	15	30	-2	.9	.0	.6	5.4	83	2.8	103	90	56	0	0	7	2	1	1	
FORT WAYNE	26	9	31	0	17	-5	.2	-.2	.1	4.5	97	2.2	130	89	67	0	0	7	4	0	0	
INDIANAPOLIS	28	11	34	3	20	-6	.5	.0	.3	4.1	75	2.4	116	85	62	0	0	7	4	0	0	
SOUTH BEND	27	13	31	8	20	-3	.3	-.2	.3	4.6	87	2.1	103	88	63	0	0	7	2	0	0	
IA DES MOINES	30	15	41	9	23	3	.4	.2	.3	3.4	152	1.0	113	88	54	0	0	7	3	0	0	
SIoux CITY	30	18	39	13	24	3	.2	.1	.2	1.3	102	.3	55	88	69	0	0	7	1	0	0	
WATERLOO	25	8	32	1	17	2	.3	.1	.2	2.0	98	.6	86	89	63	0	0	7	2	0	0	
KS CONCORDIA	41	23	50	18	32	6	.7	.6	.4	2.0	147	.8	148	93	59	0	0	7	2	0	0	
DODGE CITY	46	24	59	15	35	5	.5	.4	.3	1.5	133	.5	118	90	60	0	0	6	2	0	0	
GOODLAND	45	22	53	15	34	5	.3	.2	.2	.7	97	.3	88	88	53	0	0	6	2	0	0	
TOPEKA	43	23	53	17	33	6	1.3	1.1	.9	3.0	130	1.5	168	94	63	0	0	6	3	1	1	
WICHITA	47	28	55	21	37	7	.3	.1	.3	1.3	62	.3	38	92	54	0	0	6	1	0	0	
KY BOWLING GREEN	43	23	56	17	33	0	.4	-.5	.2	4.6	54	2.2	65	94	61	0	0	6	2	0	0	
LEKINGTON	35	20	40	16	28	-3	1.7	1.1	1.6	8.8	134	5.0	192	91	55	0	0	7	2	1	1	
LOUISVILLE	38	22	44	18	30	-2	.8	.1	.6	6.0	96	3.1	117	88	55	0	0	7	2	1	1	
LA BATON ROUGE	64	40	73	28	52	2	4.1	3.0	2.8	8.3	83	5.2	118	98	49	0	0	2	3	2	2	
LAKE CHARLES	64	46	70	31	55	4	3.4	2.4	2.0	12.3	134	5.3	128	97	62	0	0	1	3	3	3	
NEW ORLEANS	64	42	76	33	53	2	1.8	.6	.8	8.3	81	3.7	81	91	43	0	0	0	5	2	2	
SHERVEPORT	57	39	68	24	48	3	1.5	.6	1.2	13.4	155	5.4	141	90	56	0	0	2	2	1	1	

Based on 1961-90 normals.

Weather Data for the Week Ending January 28, 1995

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
													80 AND ABOVE				90 AND ABOVE	32 AND BELOW	32 AND BELOW
ME CARYBOU	19	9	28	-6	14	5	.5	-.1	.4	8.5	156	5.4	245	81	69	0	7	2	0
PORTLAND	32	18	38	-5	25	5	.2	-.6	.2	10.5	135	4.3	135	86	54	0	7	1	0
MD BALTIMORE	40	25	43	23	33	1	.3	-.7	.3	4.3	69	2.3	82	69	37	0	7	0	0
SALISBURY	40	25	44	21	33	1	.1	-.8	.3	3.4	48	1.7	52	82	45	0	7	1	0
MA BOSTON	35	23	40	12	29	1	.1	-.7	.0	9.7	133	4.3	133	74	47	0	6	2	0
CHATHAM	36	23	44	14	32	2	.7	-.1	.4	2.7	34	1.1	31	65	51	0	5	3	0
MI ALPENA	29	17	33	2	23	3	.3	-.1	.3	2.1	59	1.7	114	93	74	0	7	2	0
DETROIT	31	21	34	12	26	6	.3	-.1	.2	4.8	108	2.4	148	86	65	0	7	2	0
FLINT	30	19	40	8	24	3	.3	.0	.1	3.8	112	2.1	162	93	73	0	7	3	0
GRAND RAPIDS	32	21	36	12	26	5	.1	-.2	.1	3.9	85	2.7	162	91	71	0	7	3	0
HOOVERTON LAKE	30	16	35	2	23	7	.1	-.2	.1	2.5	75	2.0	142	93	68	0	7	2	0
LANSING	30	18	38	5	24	5	.3	.0	.1	3.5	104	2.0	145	97	69	0	7	3	0
MARQUETTE	24	8	29	-4	16	4	.1	-.4	.1	1.8	40	1.5	73	91	67	0	7	3	0
MUSKEGON	32	21	36	12	27	4	.2	-.3	.1	3.6	69	2.6	118	90	67	0	7	2	0
SAULT ST. MARIE	26	17	31	-2	21	9	.7	-.5	.7	2.9	56	2.3	102	78	55	0	7	3	0
NH ALEXANDRIA	20	1	29	-10	11	3	.0	-.2	.0	.8	50	.4	49	50	68	0	7	0	0
DULUTH	23	7	28	-7	15	8	.7	-.3	.7	1.7	72	1.4	122	81	59	0	7	0	0
INT'L FALLS	20	-2	29	-16	9	8	.1	-.1	.1	1.7	102	1.0	126	86	66	0	7	1	0
NH WARREN	27	10	37	0	19	7	.1	-.1	.1	.9	47	.4	42	87	54	0	7	1	0
ROCHESTER	23	8	31	-1	15	4	.7	-.2	.7	1.0	55	.3	45	88	64	0	7	0	0
NH GREENWOOD	57	37	68	24	47	4	1.3	.3	1.0	5.6	55	3.1	70	92	49	0	3	4	1
JACKSON	57	37	68	24	47	4	.8	-.4	.4	4.9	43	1.6	31	90	48	0	3	4	1
MERIDIAN	61	37	75	25	49	4	1.1	-.1	.4	10.5	98	3.6	77	91	40	0	4	4	0
NO CAPE GIRARDEAU	44	26	51	20	35	3	.3	-.3	.3	5.9	83	3.6	135	91	54	0	4	2	0
COLUMBIA	33	18	40	10	26	0	.7	.4	.5	5.3	132	4.4	320	91	63	0	6	3	1
KANSAS CITY	41	22	48	15	31	5	1.3	1.1	1.1	3.2	124	1.4	142	88	55	0	6	3	0
SALTF LOUIS	36	23	40	19	30	0	.6	.3	.5	5.9	126	4.4	266	84	55	0	6	3	1
SPRINGFIELD	44	24	64	15	34	3	.5	-.1	.4	4.9	116	3.8	246	88	58	0	6	3	0
MT BILLINGS	41	23	48	13	32	9	.4	-.2	.3	.7	43	.5	55	75	47	0	6	2	0
GLASGOW	20	3	25	-1	12	1	.1	-.1	.1	.1	17	.7	0	89	73	0	7	0	0
GRANT FALLS	43	18	53	7	31	9	.7	-.2	.7	.2	12	.7	2	81	37	0	7	0	0
HAVRE	29	5	35	-1	17	2	.0	-.1	.0	.5	48	.7	0	88	67	0	7	0	0
HELENA	34	10	41	-2	22	1	.7	-.1	.7	.1	7	.7	0	89	58	0	7	0	0
KALISPELL	28	19	36	11	24	2	.7	-.3	.7	1.5	46	.7	52	85	71	0	7	0	0
MILES CITY	38	16	45	10	27	10	.0	-.1	.0	.1	11	.1	14	89	41	0	7	0	0
MISSOULA	32	18	38	10	25	1	.2	.0	.2	1.3	57	.7	61	88	72	0	7	2	0
NH GRAND ISLAND	39	19	51	13	29	7	.1	.0	.1	.8	66	.2	39	93	63	0	7	2	0
LINCOLN	37	19	50	10	28	6	.3	-.2	.2	1.6	119	.6	117	94	63	0	7	3	0
NORFOLK	34	19	47	12	26	7	.1	.0	.1	1.5	126	.5	109	92	62	0	7	1	0
NORTH PLATTE	43	18	52	11	31	9	.1	.0	.1	.8	98	.1	36	90	48	0	7	1	0
OMAHA	35	20	47	12	27	6	.4	-.3	.4	1.6	96	.4	62	91	63	0	6	1	0
SCOTTSBLUFF	38	16	42	4	27	1	.5	-.3	.3	2.2	212	1.2	275	91	56	0	6	2	0
VALENTINE	40	18	53	8	29	6	.7	-.1	.7	.6	72	.7	0	83	50	0	7	0	0
NV HLY	36	19	39	4	28	2	.1	-.1	.1	1.6	112	.9	136	94	67	0	6	0	0
LAS VEGAS	55	42	60	35	48	2	1.0	.9	.7	4.1	505	3.0	682	86	36	0	6	0	1
RENO	43	33	47	30	38	4	.5	-.2	.3	3.4	173	3.3	328	94	61	0	4	5	1
WINDHECCA	45	31	48	26	38	7	.1	.0	.1	1.6	104	1.1	162	90	53	0	4	5	0
NH CONCORD	31	17	37	8	24	6	.1	-.4	.1	5.7	104	1.5	65	82	49	0	7	1	0
NJ ATLANTIC CITY	40	24	46	20	32	1	.7	-.8	.7	4.0	61	1.8	58	82	40	0	7	0	0
NM ALBUQUERQUE	50	30	53	22	40	5	.7	-.1	.7	1.1	122	.5	116	74	36	0	5	1	0
CLOVIS	57	29	62	17	43	6	.2	-.1	.2	.6	64	.2	52	82	32	0	4	1	0
ROSWELL	57	31	65	20	44	4	.2	-.1	.2	.6	64	.2	52	82	32	0	4	1	0
NY ALBANY	32	22	39	7	27	7	.2	-.3	.1	4.7	93	2.1	98	79	54	0	4	. .	0
BINGHAMTON	26	17	29	1	22	1	.3	-.3	.1	5.7	109	2.7	121	92	73	0	7	4	0
BUFFALO	29	21	34	7	25	2	.4	-.2	.2	7.6	123	4.9	158	85	70	0	7	5	0
NEW YORK	39	30	42	21	34	4	.7	-.7	.7	6.2	100	3.4	123	64	44	0	7	6	0
ROCHESTER	31	24	34	9	27	4	.4	-.1	.2	4.8	105	2.5	134	85	67	0	5	0	0
SYRACUSE	29	19	34	1	24	2	.1	-.4	.1	3.9	74	1.4	66	90	67	0	7	4	0
NC ASHEVILLE	45	25	51	17	35	-1	.3	-.6	.3	9.3	93	6.2	177	90	47	0	6	2	0
CHARLOTTE	47	29	53	22	38	-1	.7	-.1	.6	5.8	85	3.9	116	81	39	0	5	2	1
GREENSBORO	44	25	49	20	35	-2	.4	-.3	.2	3.6	97	2.9	102	78	37	0	7	3	0
HATTERAS	46	34	50	26	40	-4	.9	-.2	.9	13.8	147	8.9	185	78	51	0	2	2	1
NEW BERN	48	31	53	24	40	-3	.7	-.3	.5	3.8	50	2.5	64	86	37	0	4	2	1
RALEIGH	46	27	50	21	37	-2	.8	-.2	.5	5.7	89	4.4	141	79	40	0	6	2	1
WILMINGTON	50	31	55	25	41	-2	.6	-.3	.6	9.1	109	2.2	52	86	36	0	5	2	1
ND BISMARCK	17	1	21	-13	9	0	.7	-.1	.7	.7	78	.4	98	91	75	0	7	2	0
FARGO	17	-1	26	-13	8	2	.1	-.1	.0	1.0	77	.8	123	88	74	0	7	2	0
GRAND FORKS	11	-4	21	-17	4	-1	.7	-.1	.7	.7	78	.4	98	91	75	0	7	2	0
WILLISTON	17	-3	20	-12	7	-3	.7	-.1	.7	1.9	181	.9	186	90	71	0	7	1	0
OH AERON-CANTON	27	16	32	8	21	-3	.2	-.2	.1	7.9	160	4.9	248	85	67	0	7	3	0
CINCINNATI	32	16	36	9	24	-4	1.2	.7	.8	6.4	116	3.5	149	92	61	0	7	4	1
CLEVELAND	29	18	34	10	24	0	.2	-.2	.1	8.5	173	5.6	303	89	69	0	7	4	0
COLUMBUS	29	11	34	3	20	-3	.2	-.3	.1	6.7	140	4.5	251	92	65	0	7	3	0
DAYTON	28	13	31	6	20	-5	.2	-.2	.1	5.1	106	2.4	123	86	63	0	7	3	0

Based on 1961-90 normals.

Weather Data for the Week Ending January 28, 1995

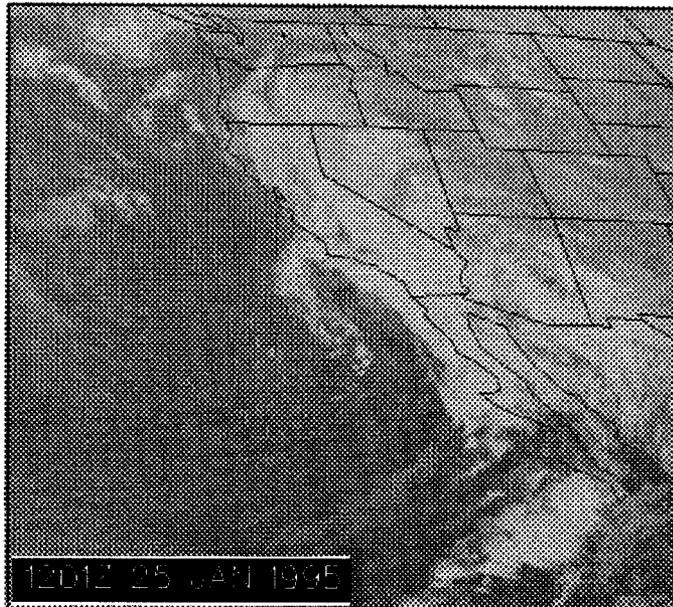
STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	MINIMUM	90 AND ABOVE		32 AND BELOW		
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
TOLEDO	30	17	32	9	23	1	.1	.3	.1	6.0	132	2.9	182	89	66	0	0	7	7	0	0
YOUNGSTOWN	29	17	34	10	23	0	.1	.3	.0	6.0	124	2.8	142	89	68	0	0	7	7	0	0
OK OKLAHOMA CITY	48	30	63	16	39	3	2.3	.9	.8	2.7	113	1.1	111	94	63	0	0	4	4	1	1
TULSA	52	33	64	27	42	7	2.3	.0	.8	1.8	52	.6	43	90	56	0	0	4	4	1	1
OR ASTORIA	53	41	56	40	47	5	2.3	.1	.1	22.2	113	7.4	81	80	60	0	0	0	0	3	3
BURNS	36	27	38	16	31	7	2.3	.3	.0	...	...	2.0	222	86	70	0	0	0	0	7	7
MEDFORD	54	37	59	33	46	7	2.3	.5	.0	3.9	68	2.9	115	88	52	0	0	0	0	3	3
PENDLETON	35	29	40	26	32	2	2.2	.2	.2	2.8	93	1.9	138	96	69	0	0	6	6	0	0
PORTLAND	49	39	51	33	44	4	2.2	.4	.8	8.7	79	3.9	79	73	52	0	0	0	0	2	2
SALEM	51	36	53	30	43	3	2.2	.3	.9	11.6	95	6.6	123	83	49	0	0	0	0	2	2
PA ALLENTOWN	36	25	39	20	31	2	2.2	.7	.4	5.7	89	2.6	91	82	52	0	0	7	7	0	0
ERIE	30	22	34	12	26	4	2.1	.4	.4	6.8	121	3.6	179	86	66	0	0	7	7	2	2
HARRISBURG	37	25	41	22	31	3	2.1	.6	.2	6.4	111	3.5	137	69	41	0	0	7	7	0	0
PHILADELPHIA	39	27	45	25	33	3	2.1	.8	.0	5.2	77	3.1	98	71	45	0	0	7	7	0	0
PITTSBURGH	28	17	36	12	23	4	2.1	.0	.0	4.3	82	2.3	99	82	63	0	0	7	7	3	3
SCRANTON	33	23	36	13	28	5	2.1	.4	.1	4.9	110	2.6	135	86	59	0	0	7	7	3	3
RI PROVIDENCE	37	25	40	13	31	4	2.1	.3	.1	7.0	89	2.5	69	73	42	0	0	6	6	0	0
SC CHARLESTON	55	36	61	29	45	2	2.1	.5	.5	10.3	164	3.9	127	89	40	0	0	3	3	2	2
COLUMBIA	52	30	57	21	41	4	1.3	.2	.7	10.3	136	4.5	112	88	38	0	0	6	6	2	2
FLORENCE	52	33	56	28	42	3	1.5	.7	.9	15.7	248	6.4	199	86	41	0	0	5	5	2	2
GREENVILLE	49	28	54	22	39	1	1.8	.2	.7	10.3	131	6.3	171	81	34	0	0	6	6	2	2
SD ABERDEEN	19	3	26	-5	11	1	1.1	.1	.1	.8	71	.4	67	93	73	0	0	6	6	2	1
HURON	25	11	33	4	18	4	1.1	.1	.1	.8	71	.4	67	93	73	0	0	7	7	2	0
RAPID CITY	44	20	56	14	32	6	1.1	.1	.1	1.1	130	.5	138	93	73	0	0	7	7	1	0
SIOUX FALLS	26	15	36	4	20	3	1.1	.1	.1	.6	77	.3	82	79	37	0	0	7	7	2	0
TN CHATTANOOGA	51	29	64	23	40	3	1.1	.1	.1	.5	43	.2	39	91	64	0	0	7	7	0	0
KNOXVILLE	46	26	57	19	36	6	1.1	.2	.5	9.1	94	5.2	118	89	43	0	0	6	6	2	0
MEMPHIS	51	33	64	24	42	2	1.1	.3	1.1	6.9	83	4.9	129	80	44	0	0	6	6	2	1
WASHVILLE	47	26	60	19	37	0	.4	.4	.3	11.4	124	5.3	156	87	48	0	0	4	4	2	0
TX ABILENE	58	36	72	24	47	4	.4	.4	.2	8.0	102	5.3	163	84	44	0	0	6	6	2	0
AMARILLO	53	29	62	18	41	5	.2	.2	.2	2.2	111	1.1	123	87	43	0	0	2	2	1	0
AUSTIN	66	46	77	33	56	7	.1	.1	.1	.5	54	.2	39	87	46	0	0	4	4	1	0
BRADWENT	64	46	71	32	55	4	.2	.3	.1	6.5	189	.8	53	81	42	0	0	0	0	2	0
BROWNSVILLE	73	57	81	44	65	4	2.1	1.1	.8	7.9	87	3.7	86	97	61	0	0	1	3	2	2
CORPUS CHRISTI	71	52	79	41	61	6	.4	.0	.2	2.1	79	.6	42	98	58	0	0	0	0	3	0
DEL RIO	69	44	81	35	56	7	.4	.0	.2	8.9	322	.9	61	89	49	0	0	0	0	2	0
EL PASO	59	37	65	29	48	5	.0	.3	.0	3.2	152	.2	3	81	43	0	0	0	0	0	0
FORT WORTH	58	41	72	27	49	7	.1	.0	.1	1.9	197	.3	72	61	27	0	0	1	1	0	0
GALVESTON	63	55	70	42	59	6	.8	.4	.6	4.5	122	2.1	130	90	52	0	0	3	3	2	1
HOUSTON	65	47	76	31	56	6	.3	.4	.2	5.9	91	1.0	34	89	64	0	0	0	2	0	0
LUBBOCK	55	31	62	19	43	3	3.4	2.6	2.6	10.9	132	6.0	174	94	58	0	0	1	4	2	2
MIDLAND	57	33	66	24	45	1	.1	.0	.1	.6	68	.4	129	87	43	0	0	4	4	1	0
SAN ANGELO	62	39	74	28	50	6	.1	.1	.1	1.0	112	.6	136	88	37	0	0	4	4	0	0
SAN ANTONIO	67	44	80	30	56	6	.2	.2	.2	1.5	103	.3	44	84	36	0	0	2	0	0	0
VICTORIA	68	48	80	33	58	6	.1	.3	.1	3.6	117	.3	18	85	39	0	0	1	2	0	0
WACO	60	41	72	29	51	5	.7	.1	.5	6.4	106	1.4	45	91	44	0	0	2	0	0	0
WICHITA FALLS	55	36	68	25	45	6	.1	.3	.1	6.4	192	1.3	92	92	52	0	0	2	1	0	0
UT CEDAR CITY	43	26	45	20	35	4	.3	.0	.2	1.7	60	.8	68	95	54	0	0	3	2	0	0
SALT LAKE CITY	43	27	52	17	35	6	.1	.1	.1	.6	44	.3	56	94	52	0	0	6	1	0	0
VT BURLINGTON	26	16	38	3	21	6	.3	.1	.3	3.0	122	1.5	151	88	55	0	0	5	2	0	0
VA NORFOLK	45	31	47	26	38	0	.2	.2	.2	3.4	84	1.8	106	80	61	0	0	7	4	0	0
RICHMOND	43	25	46	18	34	-1	.1	.7	.1	3.2	49	2.0	59	72	37	0	0	4	1	0	0
ROANOKE	41	26	46	23	34	0	.2	.6	.2	3.7	60	2.8	95	80	38	0	0	7	1	0	0
WA QUILLAYUTE	53	39	56	34	46	6	.6	.0	.6	9.0	169	6.6	280	68	32	0	0	7	2	1	1
SEATTLE-PACOMA	56	42	59	40	49	8	1.7	-1.5	1.2	30.4	107	10.4	80	93	66	0	0	0	2	1	1
SPOKANE	36	25	42	17	31	2	.3	.8	.3	10.4	96	2.2	45	68	40	0	0	0	0	1	0
YAKIMA	39	29	43	23	34	3	.4	.4	.4	3.7	86	2.1	116	89	64	0	0	6	4	1	0
WV BECKLEY	32	18	39	13	25	-4	.3	.1	.2	2.9	115	1.6	148	82	71	0	0	4	2	0	0
CHARLESTON	32	19	37	12	26	-6	.4	.2	.4	5.4	91	3.5	132	91	51	0	0	7	2	0	0
HUNTINGTON	33	19	38	11	26	-4	.8	.1	.7	7.2	119	4.7	177	93	62	0	0	7	2	1	1
PARKERSBURG	30	16	34	7	23	-7	.8	.1	.7	7.7	123	4.6	170	91	61	0	0	7	3	1	1
WI GREEN BAY	27	12	29	4	20	5	.3	.4	.3	5.3	91	2.6	89	92	61	0	0	7	1	0	0
LACROSSE	27	9	36	0	18	4	.2	.2	.2	1.0	39	.7	61	80	57	0	0	7	1	0	0
MADISON	29	5	31	-5	17	1	.1	.1	.1	.7	33	.2	0	87	52	0	0	7	0	0	0
MILWAUKEE	33	17	37	12	25	6	.2	.2	.2	3.0	113	2.0	186	87	55	0	0	7	1	0	0
WAUSAU	27	7	34	0	17	5	.2	.1	.2	3.3	86	2.1	144	88	61	0	0	7	1	0	0
WY CASPER	35	18	46	3	27	4	.2	.2	.2	.7	32	.4	45	81	48	0	0	7	1	0	0
CHEYENNE	43	22	54	10	33	6	.3	.2	.2	1.2	104	.8	169	96	59	0	0	7	2	0	0
LANDER	25	8	40	-5	16	-4	.3	.2	.2	.7	93	.1	33	67	37	0	0	7	2	0	0
SHERIDAN	39	20	46	9	29	8	.2	.2	.2	1.0	101	.7	168	92	65	0	0	7	1	0	0
PR SAN JUAN	84	72	89	71	78	1	1.0	.0	.2	6.6	90	3.5	136	77	45	0	0	6	1	0	1

Based on 1961-90 normals.

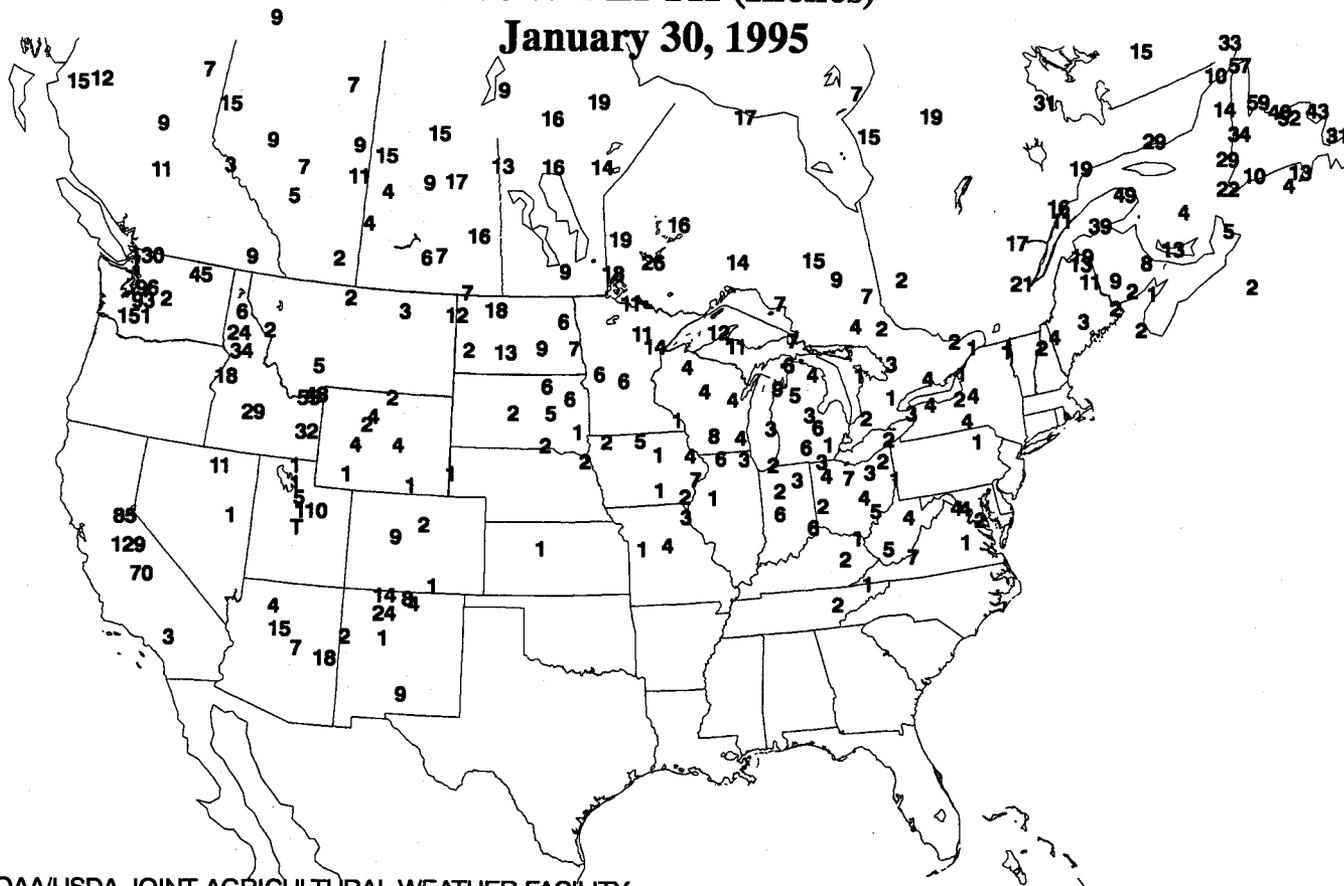
# National Agricultural Summary

January 23 - 29, 1995

**HIGHLIGHTS:** Warm weather in the Southern States raised some concern about excessive growth for small grains. Heavy rain along the Gulf Coastal region left some wheat fields flooded. Rice growers in Louisiana leveled fields, while fieldwork in Georgia was hampered by soils too wet to support farm equipment. Warm weather and sunshine in Texas prompted wheat greening, while the continued rains in east Texas caused some rust and yellowing of wheat fields. Rain, freezing rain, and snow created muddy conditions in the Midwest, limiting grain movement and field activities. The lack of snow cover raised wheat producers' concern in parts of the Dakotas where virtually no new snow fell. The snow cover in Montana for wheat was rated as mostly poor with little wind damage reported, while winter wheat was rated as mostly fair to good. Snow fell in the Ohio Valley, where some fields were ponding as the snow melted. Heavy rains in California halted fieldwork and left some low-lying fields with excessive moisture that yellowed the small grains. The coldest weather of the season in Florida may have helped the citrus crop by curbing new growth and blooms.



## SNOW DEPTH (Inches) January 30, 1995



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY  
Based on preliminary data

## 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 0.61 to 1.54 in. north; 0.42 to 1.87 in. central; 1.12 to 3.27 in. south. Temperatures 2° below normal to 4° above normal statewide. Lows 15 to 25° north; 16 to 27° central; 19 to 29° south. Highs 64 to 72° north; 67 to 77° central; 68 to 77° south.

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

**ARIZONA:** Temperatures 1° below to 4° above normal. Extremes -1°; 67° higher elevation; 27°; 74° deserts. Precipitation reported all stations; 0.05 to 2.52 in.

Fieldwork resuming, farmers still hampered by wet fields, more rain. Small grains condition good. Planted 99%; 99% 1994, 98% avg. Established 94%; 97% 1994, 92% avg. Alfalfa condition good. Harvest light. Sheeping off decreasing. Stand renovation, stands established mostly normal. Grapefruit, lemons, sweet oranges, tangelos, tangerines harvested central, western areas. Navel orange harvest nearly complete central. Pecans available central. Vegetables available central: Broccoli, cabbage, carrots, cauliflower, mixed greens, green onions, spinach. From western areas: Broccoli, cauliflower, head lettuce, leaf lettuce, romaine, spinach. Tomatoes available eastern areas.

**ARKANSAS:** Temperatures slightly above normal with widespread precipitation at weekend, heaviest amounts in the southern region. Extreme 14°; 69°. Precipitation 0.12 to 1.31 in.

Wheat in good condition. Some fields were flooded in the delta region. Hay supplies short in the north central region. Hay supplies adequate for the rest of the State. Livestock in good condition.

**CALIFORNIA:** Tropical moisture continued into State, causing another week well above normal rainfall. Temperatures across much Golden State well above normal.

General rains, wet soils halted progress field activities virtually all areas. Small grains, winter forages, alfalfa grew well higher ground, lighter soiled areas. Low-lying fields, heavier soiled areas extensive yellowing due excess moisture. Some small grain fields fertilized help crop grow out wet conditions. Aerial herbicide applications ongoing between rains. Cotton fields pre-irrigated, sprayed weeds; preparation planting 1995 crop. Greenchopping winter forage slowed rain Riverside County. Rains slowed normal cultural activities. Stone fruit pruned, dormant, strip sprays applied. Desert peaches blooming. Early bud development, stone fruit, almonds. Almond orchards pruned, sprayed with pre-emergents. Some bee hives placed almonds. Fuji apples shipped from storage. Rains slowed Navel orange harvest. Export demand exceeds supply. Weather caused some fruit rot, drop, overturned trees. Heavy rains Ventura/Oxnard damaged strawberries extent unknown. Minneola tangelos harvested, receiving good price. Rains slowed lemon harvest. Grapefruit picked, packed. Wet ground slowed field work around State. Artichokes harvested Monterey County. Harvest asparagus took place Imperial County, good growth Stockton-Delta. Broccoli, cauliflower harvests Monterey County, Imperial, Coachella, San Joaquin valleys. Cabbage harvested Fresno County. Carrots harvested Kern, Imperial, Riverside counties. Harvest celery continued Monterey, Riverside counties. Fall head, leaf lettuce fields harvested Imperial, Coachella valleys. Head lettuce fields treated to control worms San Joaquin Valley. Planting spring melons Imperial county; preparation Riverside County. Spinach fields progressing well Tulare County. Processing tomato planting delayed Sacramento, San Joaquin valleys. Other crops harvested: oriental vegetables, ginger root, green onions, radishes, bok choy, turnips. Range, pasture conditions rated good to excellent. Grass continued green, more rains. Feed supplies showed improvement, supplemental feeding remained necessary some areas. Cattle fed magnesium prevent grass tetany. Some cattle shipped out feedlots onto rangelands. Rain, Imperial Valley kept sheep off alfalfa fields few days. Limited calving, lambing reported. Water supplies excellent. Cattle, sheep good condition.

**COLORADO:** High pressure beginning of week helped keep temperatures above normal. At mid week, a storm brought snow to mountains, rain, snow to the lower elevations, cooler temperatures. By the 27th, up to 18 in. of snow had fallen in the central mountains while about 0.50 in. rain fell on the northeast plains. On the 28th, 2 to 7 in. of snow fell on the northern front range with temperatures near or below normal.

Major farm activities: Care and feeding of livestock, attending producer meetings, farm equipment maintenance, preparing for the

calving, lambing seasons. Recent moisture welcomed by winter wheat producers.

**FLORIDA:** Temperature near normal north, northwest, 2 to 6° colder than normal Peninsula. Highs: mid 70s north, upper 70s central, low 80s south. Lows: mid 20s north, mid, upper 30s central, mostly 40s southern coast. Scattered frost reported across central, interior south. Rainfall 1.00 to 2.00 Panhandle, up to 0.50 in. northeast, Peninsula.

Soil moisture adequate for field crops, scattered areas short or surplus. Sugarcane harvest, planting active. Farmers tending tobacco beds. Growers making preparations for spring planted crops. Coldest temperatures of season this week not detrimental to citrus, possibly even helpful in holding back new growth, bloom. Early, mid orange harvest very active. Grapefruit movement strong for both fresh, processing. Tangelo, Dancy tangerine harvest slowing. Temple, honey tangerine movement active all areas. Caretakers cutting cover crops, hedging, topping, burning limbs. For vegetables, cold temperatures midweek slowed most fruit development, caused some leaves to burn on plants in unprotected fields. Growers expect no significant damage from frost. Volume leaders: Tomatoes, peppers, cabbage, snap beans, squash, strawberries, celery. Pastures poor 10%, fair 50%, good 40%, excellent 0%. Cattle mostly good.

**GEORGIA:** Cool temperatures 1 to 3° below average east, southern areas. Warmer else, averages 1 to 5° above normal. Highs low to mid 50s northeast mountains, low to mid 70s southwest. Lows mid to upper teens northeast mountains, mid 20s remainder of north. Up to freezing mark coast. Rain 3 to 4 days most areas. Rain 28th, 29th mostly over 1.00 in.

Soil moisture surplus. Soils too wet to support equipment. Nitrogen applications to small grains some isolated areas. Pruning peach trees active. Crop condition mostly good. Pasture feed poor to fair, cattle, hogs good. Routine care of livestock, poultry.

**HAWAII:** Variable weather for week. High pressure south of islands combined with a low pressure north of State shifted wind patterns from north easterly to southerly, westerly by weekend. Winds were gusty, especially windward, higher elevations. Rainfall, overcast conditions prevalent by midweek, especially central islands. Temperatures warmer, humidity higher. Temperatures, mid 60s to low 80s. Rainfall none to 4.70 in.

Banana, papaya production moderate. Some leaf stripping in exposed windward banana orchards. Insect infestations generally light.

**IDAHO:** Temperatures 2 to 11° above normal. Precipitation none to 0.34 in. north, 0.05 to 0.27 in. southwest, 0.09 to 0.70 in. south central, 0.02 to 0.31 in. southeast. Extreme -24°; 57°.

Straw used during calving, lambing has increased due to wet, muddy conditions throughout the State. Hay, roughage supply 1% very short, 15% short, 83% adequate, 1% surplus. Calving completed 12%. Lambing completed 12%. Activities: Marketing onions, potatoes, attending the 27th Annual Idaho Potato School, preparing taxes, repairing machinery.

**ILLINOIS:** Seasonably cool, dry weather common northern areas with remainder of State a little more damp. Dry skies common early in week. Low pressure streamed northward on 27th bringing moderate rainfall. Temperatures 1 to 3° below normal, average readings between mid teens to mid 30s. Highs upper 20s to mid 40s, average lows between single digits north to upper 20s south. Precipitation under 0.20 in. north to between 0.50 to 1.00 in. south. Heaviest totals southeastern part of State.

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

**INDIANA:** Worst weather occurred across south half of State over 26th, 27th as low pressure passing to south generated a mix of rain...freezing rain...sleet, eventually snow. Colder than normal by 2 to 8°. Highs were in the mid 20s to mid 30s. Lows were mostly in the single digits, teens, except near 25° along the Ohio River. Extreme highs in the 30s north to mid 40s south, lows near or below zero. Little or no precipitation was measured across northern areas. Amounts that did occur were generally 0.10 in. or less. Snowcover remained most of week. Precipitation up to 0.25 to 0.50 in. across central areas with 0.75 to 1.40 in. south.

Field activities limited by snow, rain, muddy conditions. Many farmers are selling grain. Winter wheat mostly good condition. Livestock mostly good condition. Other activities; attending farm trade shows, calving, lambing, hauling manure, production meetings, purchasing seed, fertilizer,

tax preparation, processing tobacco, equipment maintenance, mending fence, cutting wood, care of livestock. Hay supplies mostly adequate.

**IOWA:** Temperatures 1° below normal southeast to 6° above normal northwest. Extremes -7° Cresco, 24th; 47° Red Oak, 26th. Precipitation confined to 27th, 28th; rain extreme southwest; mostly dry far northwest, moderate snow north central, northeast with major ice storm central, southeast. Precipitation trace far northwest to 0.83 in. southeast; State average 0.30 in. normal 0.16 in.

Ice storm on 27th caused many transportation problems including overturning a semi truck, trailer full of cattle.

**KANSAS:** Temperatures across State were well above normal again. Temperatures 6° above normal west, 7° above normal central, eastern regions. Temperatures stayed above normal during week. Daytime highs in the 50s early in the week gradually decreased to the 30s at weekend. Temperatures by district 31 to 37°. With colder temperatures at week's end came precipitation in form of rain, freezing rain, snow over much of State. Precipitation by district 0.13 in. southwest to 0.73 in. central.

**KENTUCKY:** Minimum, maximum temperatures slightly below normal across west. Precipitation over west generally below normal; however, localized areas around Henderson showed a surplus up to 0.60 in. Maximum temperatures in east were below normal with departures generally -3 to -6°, minimum temperatures averaged 0 to -3° below normal. Precipitation amounts varied, northeast showing a surplus of 0.50 to 1.00 in.; southeast averaged near normal to 0.50 in. below normal.

Soil moisture ample. Wheat satisfactory, some concern about excessive growth. Livestock wintering well, but isolated heavy death losses young pigs. Early calving underway. Winter feed supplies generally adequate.

**LOUISIANA:** Extremes 23°; 77°. Rainfall 1.01 in. north-central to 4.29 in. east central. High temperatures mid 60s, lows upper 30s north to the mid 40s south. Rains were frequent all week with heavier amounts occurring on 27th.

Main farm activities were supplemental feeding, caring of livestock, topdressing winter ryegrass pastures, equipment repair. A few early strawberries were harvested, were showing up in local markets. Winter wheat growth was slow due to rain, cool temperatures. Rice growers water leveled fields, crawfish producers were beginning to harvest marketable crawfish. Parish agents continued conducting boll weevil eradication meetings for cotton growers, informational meetings, Pesticide Training, Certification Meetings for farmers.

**MARYLAND & DELAWARE:** **MARYLAND:** Precipitation 0.06 in., normal 0.70 in. Temperature 34.6°, normal 32.4°. Extremes 9°; 57°.

Livestock, pasture, small grains all remain in good condition. Hay supplies adequate. Activities include preparations for spring planting, general maintenance of equipment, machinery.

**DELAWARE:** Precipitation 0.09 in., normal 0.73 in. Temperature 34.3°, normal 33.5°. Extremes 22°; 53°.

Small grains, pasture, livestock all remain in good condition. Hay supplies adequate. Activities include preparations for spring planting, general maintenance of equipment, machinery.

**MICHIGAN:** Extremes -7°; 40°. Precipitation none to 0.45 in. across the State. After several days of above normal temperatures, the snow returned, 3 to 8 in. for the week ending 29th.

Soil has not frozen yet. Livestock were fairing well. Feed supplies were adequate. Major activities included plowing snow, hauling corn, soybeans to market, hauling manure, taxes, planning for next season.

**MINNESOTA:** Temperatures 1 to 8° above normal. Extremes -22°; 41°. Precipitation 0.09 to 0.19 in. below normal across the State.

Warm, open winter continued for another week. Feed supplies holding up well. Farmers busy arranging financing for coming crop year.

**MISSISSIPPI:** Temperature 44.3°. Extremes 16°; 76°. Precipitation 1.14 in. Rainfall 0.31 in. east central district to 3.64 in. south central.

Days suitable for fieldwork 1.5. Soil moisture 64% adequate, 36% surplus. Wheat 45% fair, 55% good. Livestock 29% fair, 64% good, 7% excellent. Pasture feed 80% of normal. Hay, feed grain supplies are adequate. Heavy rainfall has delayed fieldwork, prevented some grazing of livestock. Farmers preparing for crops in 1995.

**MISSOURI:** Temperatures 5 to 7° above normal northwest to 2° below normal from Columbia to Quincy/Hannibal area. Most other areas slightly above normal. Precipitation 0.82 in., widespread over State.

Most snow cover melted. Muddy conditions in farm yards, barn lots.

**MONTANA:** Temperatures 3 to 5° below normal southwest, normal or above elsewhere. Precipitation amounts below normal most areas, southwest received slightly above normal.

Winter wheat condition remains mostly fair to good. Protectiveness of snowcover for winter wheat mostly poor. Very little wind damage reported. Calving, lambing getting underway. Grazing mostly difficult.

**NEBRASKA:** Temperatures 2 to 9° above normals. Scattered precipitation throughout the week varying from less than 0.10 to 0.50 in.

Winter wheat 18% fair, 73% good, 9% excellent. Producers activities: monitoring stored grain, preparing for 1995 crop year. Cattle, calves 13% fair, 69% good, 18% excellent. Calving, lambing activities underway.

**NEVADA:** Week began with high pressure building in the State, was soon replaced by a moist low pressure system from California. Heavy snows fell in the Sierra Nevada, southern mountains, precipitation was received statewide. Precipitation totals for the week averaged 1.24 in. south, 0.30 in. northeast, northwest. Temperatures 6° above normal north, 2° above normal south. Extremes -14° Wildhorse Reservoir; 68° Laughlin.

Snowfall increased winter feed needs, further enhanced irrigation water supply outlook in coming year. Main farm, ranch activities: Livestock feeding, livestock marketing, equipment maintenance, ditch cleaning.

**NEW ENGLAND:** Precipitation 0.01 to 0.57 in. regionwide. Temperatures 13 to 24° north; 22 to 31° south. Maximum temperatures 26 to 38° north; 28 to 43° south. Minimum temperatures -11 to 6° north; 2 to 16° south.

Major farm activities: Caring for livestock, attending farm organization meetings, general maintenance.

**NEW JERSEY:** Temperatures slightly below normal. Temperatures 28° north, 31° south, 32° coastal. Extremes 6°; 46°. Rainfall none north, none south, none coastal. Heaviest 24 hour total 0.02 in. on 23rd, 24th. The heaviest 24-hour snowfall was trace amounts at several locations.

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

**NEW MEXICO:** Temperatures between 2 to 3° above normal, even though a few spots saw minimums below zero on 23rd. Two minor winter storms passed through middle to latter part of week. Greatest precipitation amounts included 0.65 in. Hobbs, 0.50 in. at Ruidoso, 0.44 in. at Clovis.

Ranchers continue to supplementally feed, haul water to cattle, sheep. Farmers are preparing their land for spring planting, repairing equipment.

**NEW YORK:** Continued dry. Precipitation fell each day but amounts were light, mostly due to lake effect snow. Temperatures were seasonal through 26th, then were noticeably lower. Extremes -14°; 44°.

Major activities: Tending livestock, hauling manure, maintenance, moving crops from storage, attending meetings, planning for upcoming season. Coldness made outside activities more difficult after an unusually warm winter thus far.

**NORTH CAROLINA:** No weather data available.

Days suitable for fieldwork 4.8. Soil moisture 50% adequate, 50% surplus. Crop conditions: Wheat 33% fair, 67% good; oats 50% fair, 50% good; barley 33% fair, 67% good; rye 33% fair, 67% good; pasture feed 20% fair, 40% good, 40% excellent; hay, roughage supplies 100% adequate; feed grains supplies 100% adequate. Activities: Preparing land; tending livestock; equipment repair, general farm maintenance.

**NORTH DAKOTA:** Week of below normal temperatures, fog. District temperatures 4° below normal, northwest, south central to 1° below normal southwest, southeast. Extremes -20° northeast; 50° southwest.

Virtually no additional snow was received across the State. Snowcover is adequate in most areas but some southwest areas were lacking cover. Lower temperature increased feed usage, livestock conditions remained good to excellent. Livestock, grain marketing normal.

**OHIO:** Overall, weather conditions were colder, drier than normal. Some snow fell over weekend with low pressure moving across southeast U.S. High temperatures averaged in upper 20s to lower 30s, which was 1 to 6° below normal north, 4 to 10° below normal south. Lows averaged in teens, which was from 1 to 7° above normal northeast, far northwest corner to 1 to 7° below normal in rest of State. Coldest readings for period were in single digits and lower teens. Precipitation totals, water equivalent, averaged from 0.15 in. or less north, west central to around 1.00 in. over parts of south. This was below normal in north, central areas by around 0.30 to 0.45 in., but up to 0.45 in. above normal over parts of far south.

Snowcover of 1 to 7 in. remained across large parts of the State by the end of the seven day period.

Feedlots are still muddy. Livestock are being fed hay. Some fields are ponding as the snow melts. Weather has been good for lambing, calving.

**OKLAHOMA:** Temperatures 3.5° above normal south-central to 7.8° above normal northeast. Precipitation 0.04 in. Panhandle to 0.73 in. northeast.

Prices for feeders steers, heifers were steady to \$1.00/cwt higher.

**OREGON:** Temperatures normal to 6° above normal statewide, except extreme northern, eastern locations 1° below normal. Precipitation: Coast 1.75 to 2.50 in., western interior 0.50 to 1.00 in., north, south central locations 0.75 in., elsewhere less than 0.10 in.

Soil moisture surplus to adequate. Some early ground preparation, northern Willamette Valley. Nurseries balling, burlapping deciduous, evergreens. Supplemental feeding continued statewide.

**PENNSYLVANIA:** Most areas dry. Temperature 27°, 1° above normal. Extremes -4°; 45°. Precipitation 0.08 in., 0.56 in. below normal.

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

**PUERTO RICO:** Island rainfall 1.02 in., was 0.39 in. above normal. Highest rainfall 4.62 in. Pico del Este, 3.37 in. Arecibo, 3.48 in. Dos Bocas. Highest 24 hour total 2.61 in. Pico del Este. Island temperatures 75 to 76° on the coasts, 71 to 73° interior with mean station temperature 80.0° at San Juan WSFO to 65.1° at Pico del Este. Extremes 51°; 96°.

**SOUTH CAROLINA:** Statewide precipitation 1.10 in., including light snowfall of 1 in. or less north. Temperatures 1 to 4° below normal.

Farm activities: Wet soils continued to delay final harvesting of soybeans; quality deteriorating. Small grains, pasture, livestock condition fair to good.

**SOUTH DAKOTA:** Temperatures near normal to 5° below normal central, normal to 10° above normal elsewhere. Extremes -9°; 57°. Precipitation 0.05 to 0.15 in. Black Hills. Only other significant precipitation 0.19 in. Sioux City.

Lack of snowcover on winter wheat is a concern over some parts of the State. Major farm activities: Routine chores, feeding livestock.

**TENNESSEE:** Temperatures above normal west, southwest; normal middle; slightly below normal northeast. Extremes 14° Bristol; 64° Memphis, Chattanooga. Precipitation below normal most areas, normal mid-central. Most areas 0.25 to 0.50 in.; Knoxville receive 1.05 in.

Wheat good condition.

**TEXAS:** Complex weather system produced rain across State at midweek. Some strong thunderstorms occurred in east, southeast. Week started cool and warmed into weekend. A high pressure surge brought cold, dry air early in week. Precipitation ran near to below normal in west, central, southern sections, above normal in east, southeast. Temperatures above normal except for the Low Plains districts.

**Crops:** Small grains: Winter wheat, oats continued to respond to warmer temperatures, sunshine. Irrigation continued in most areas of High Plains. Excessive amounts of moisture in Blacklands during past several weeks continued to cause rust, more yellowing of fields. Fertilizer, top dressing activities were completed in a few areas, most were delayed due to wet conditions. Most winter wheat, oat fields continued to provide adequate grazing, except in South Central Texas where forage growth was really short. Winter wheat 69% normal, 53% 1994.

**Commercial Vegetables:** Rio Grande Valley: Tomatoes, onions, peppers continued to make good progress. Citrus harvest continued, cabbage harvest was in progress. San Antonio-Winter Garden: Many producers were busy with land preparations, fertilizer applications for spring vegetables. Harvest of spinach, cabbage continued. East Texas: Wet field conditions continued to delay planting activities. Some fields of onions, cabbage were planted. Trans-Pecos: Irrigation of onions continued as dry weather conditions prevailed. Preparations for planting of spring vegetables continued. High Plains: Fertilizing, pre-watering activities got underway for spring vegetable plantings. Pecans: Tree pruning, other cleanup activities were active as mild weather conditions prevailed. Harvest was virtually completed. Peaches: In East Texas, Edwards Plateau peach producers were busy with pruning. They were also beginning dormant spraying of trees. Some early variety trees were beginning to bloom in South Texas. Most producers were concerned about the number of chilling hours their orchards had received.

**Range and Livestock:** Livestock remained in good condition. Supplemental feeding activities continued. Ranchers in East Texas were

having difficulty feeding cattle due to wet pastures. Wet, muddy lots were also beginning to cause problems for dairymen.

**UTAH:** Temperature maximums 1° below normal; minimums 7° above normal. Precipitation moderate across entire State, with Bryce Canyon National Park receiving 3.16 in.

Major farm, ranch activities were calving, lambing, feeding, caring for livestock, preparing farm records, shop work, shipping onions. Forage supplies are becoming tight as winter proceeds.

**VIRGINIA:** Temperatures were near normal. Extremes 13°; 53°. Precipitation below to near normal.

Days suitable for fieldwork 3.7. Topsoil moisture 6% short, 82% adequate, 12% surplus. Pasture feed 3% very poor, 28% poor, 55% fair, 8% good, 6% excellent. Livestock 30% fair, 68% good, 2% excellent. Small grain, grazing crop condition 1% poor, 41% fair, 55% good, 3% excellent. Forage for pastures, winter grazing crops dairy cattle 11%, beef cattle 14%, sheep 13%. Producers were mainly caring for livestock, at production meetings. General farm maintenance such as fence, equipment repair.

**WASHINGTON:** Temperatures 1 to 9° above normal west; near to 4° above normal east. Precipitation none to 0.17 in. west; 0.01 to 2.52 in. east.

Days suitable for fieldwork 4.7. Soil moisture 34% short, 59% adequate, 7% surplus. Hay, other roughage supplies 1% very short, 5% short, 94% adequate. Range, pasture feed 30% very poor, 38% poor, 25% fair, 7% good. Winter wheat, dryland 4% very poor, 17% poor, 55% fair, 24% good; irrigated, 13% fair, 66% good, 21% excellent. Calving begun. Field, pasture conditions still soggy. Floral greenery harvest continued. Oyster, clam, mussel harvests in full swing. Pruning of fruit trees continued.

**WEST VIRGINIA:** Temperature 25°. Extremes 2°; 45°. Precipitation 0.47 in.

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

**WISCONSIN:** Temperature 18°. Extremes -17°; 43°. Precipitation none to 0.10 in. Snow depth as of 27th 5.3 in., 11.1 in. 1994, 9.7 in. 33-year avg. Frost depth as of 27th 11.8 in., 19.1 in. 1994, 14.5 in. 33-year avg. A light flurry in central, east parts of State came early in week. Temperatures dipped below zero north, into the single digits south. The end of the week warmed up with high temperatures in the high 30's to low 40s.

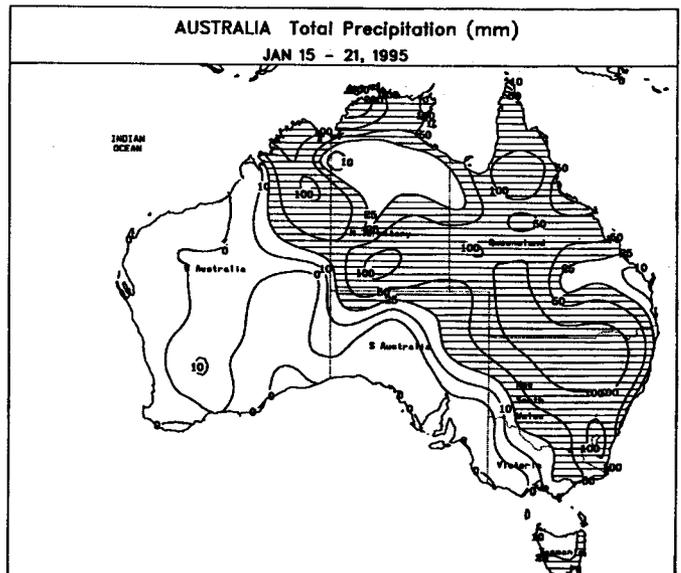
Manure spreading, working on taxes the main farming activities.

**WYOMING:** Temperatures 6 to 14° below normal in west central, central regions of State, to 7 to 9° above normal in the northeast. Colony, Sundance were warm spots averaging about 9° above normal. Precipitation light. Amounts were 0.10 to 0.30 in. below normal across the State.

Lack of snowcover is permitting winter grazing. Livestock mostly good.

#### Correction:

In last week's Bulletin, the prior week's precipitation map for Australia was inadvertently published. The correct map (Jan. 15 - 21, 1995) follows.



# International Weather and Crop Summary

## HIGHLIGHTS

January 22 - 28, 1995

**EUROPE:** Flooding was extensive across northwestern Europe, and drought persisted in Spain.

**SOUTH AMERICA:** Lighter showers eased flooding across southern Brazil. Light rain and seasonable temperatures aided summer crops across central Argentina.

**SOUTHEAST ASIA:** Moderate to heavy rain maintained adequate to excessive moisture supplies for oil palm and rice across Indonesia and Malaysia.

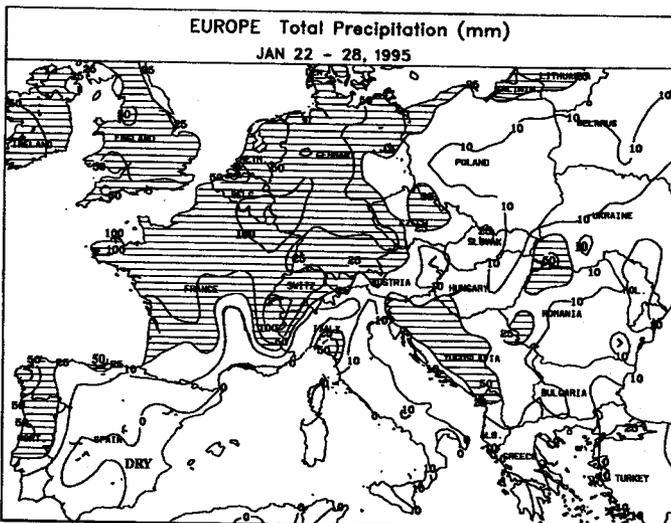
**EASTERN ASIA:** Winter wheat remained dormant across the North China Plain, while rains increased irrigation supplies across southeastern China.

**FSU-WESTERN:** A warming trend was accompanied by widespread precipitation over most winter grain areas.

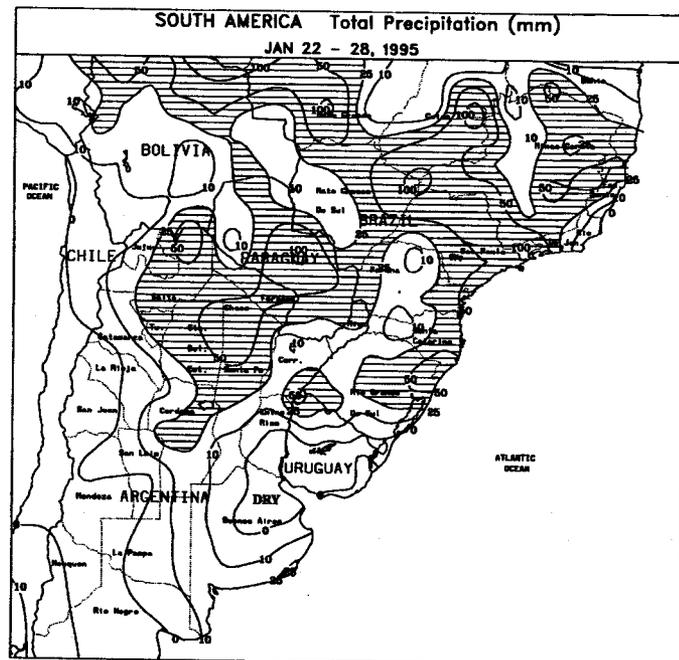
**AUSTRALIA:** Late-week rains brought additional drought relief to eastern summer crops and pastures.

**NORTHWESTERN AFRICA:** Dry weather covered winter grains in Morocco, Algeria, and Tunisia.

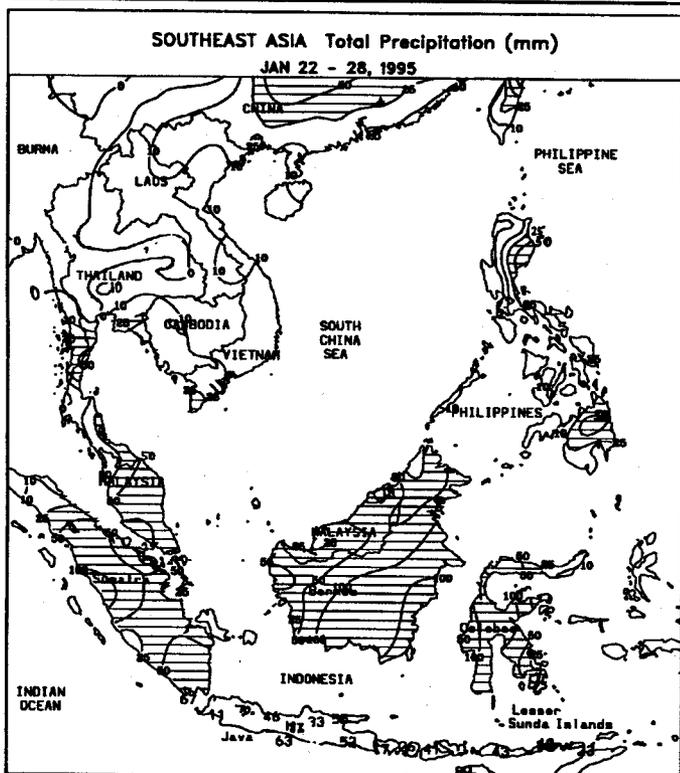
**SOUTH AFRICA:** Scattered showers benefited most corn areas, but unseasonable warmth maintained high crop moisture demands.



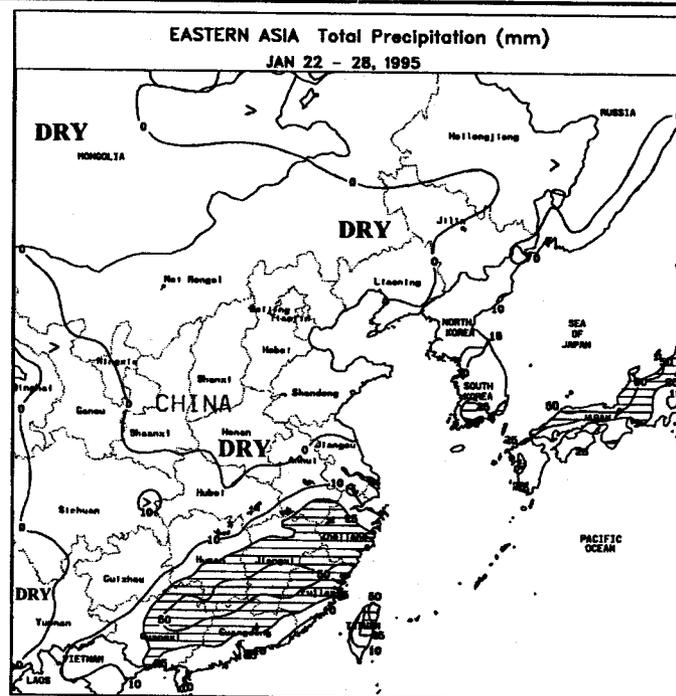
**EUROPE:** Widespread, locally heavy rain soaked northwestern Europe, with flooding reported in the United Kingdom, France, Benelux, and Germany. Rainfall averaged 50-100 mm, but 100-150 mm amounts were scattered across the region, inundating winter grain areas and causing swollen river systems to overflow their banks. Two major concerns for agriculture arising from the current flooding are spring planting delays if wetness persists and increased disease potential in winter crops. Significant rain (20-87 mm) also fell over extreme northwestern Spain and northern Portugal, but drought persisted over eastern and southern Spain. Winter crop development has been adversely affected by dryness in Spain. Mostly light showers (10 mm or less) fell over eastern Europe, while heavier precipitation (25-50 mm) improved soil moisture reserves in northern Romania and former Yugoslavia. Temperatures averaged 4-6 degrees C above normal across most of Europe.



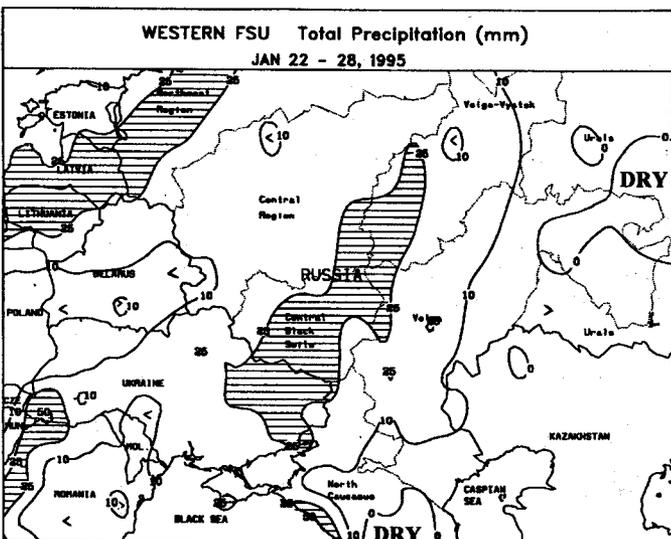
**SOUTH AMERICA:** In southern Brazil, drier weather (10-25 mm) prevailed across Parana, easing flooding due to previously excessive showers. Elsewhere, moderate showers (15-50 mm, with scattered amounts greater than 75 mm) favored reproductive to early-filling soybeans. Sao Paulo and southern Minas Gerais received moderate to heavy rain (50-90 mm), benefiting citrus, coffee, and sugarcane. Despite a late start to the rainy season, this region has been receiving consistent rainfall. Moderate showers (15-50 mm) fell across Espirito Santo and extreme southern Bahia, bringing some relief to coffee and cocoa. In Argentina, light to moderate rain (10-20 mm) fell across the western summer crop areas, aiding corn and sunflowers. However, little or no rain (less than 5 mm) fell across the remainder of the main summer crop belt, which has been tending dry. Additional rain will be needed in the region the next several weeks as soybeans enter the flowering stage. Temperatures averaged near normal, keeping crop water use at seasonable levels. Moderate showers (25-60 mm) kept cotton well watered across northern Argentina. Southern Paraguay continued to receive moderate showers (20-40 mm), benefiting cotton and soybeans.



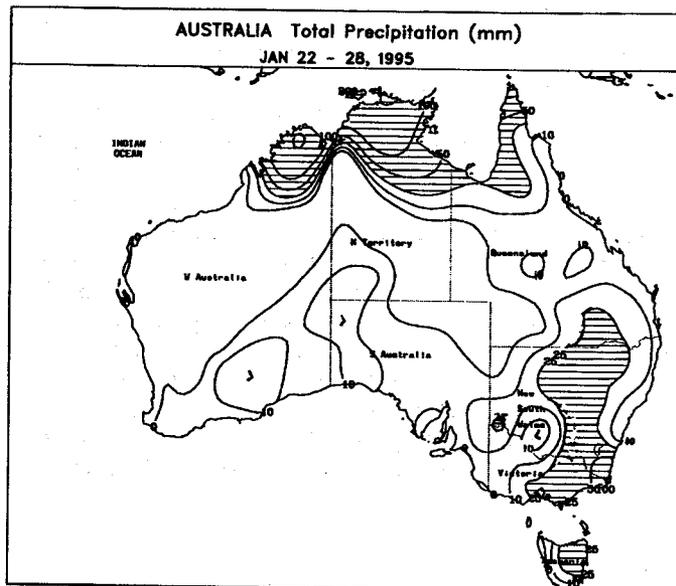
**SOUTHEAST ASIA:** Widespread moderate to heavy showers (25-50 mm or more, with isolated amounts exceeding 100 mm) maintained adequate to abundant moisture for rice, oil palm, and other crops throughout Indonesia and Malaysia. Temperatures throughout Indochina averaged 2-4 degrees C above normal, increasing growth rates of immature rice. In Thailand, the highs reached the mid 30's C, but newly planted second-crop rice (which accounts for about 10 percent of the total rice crop) is well watered this season as reservoir levels are at their highest in 3 years. Scattered, mostly light rain (1-13 mm) fell along Vietnam's coast. In the Philippines, scattered light to moderate rain (10-35 mm, with a few locations reporting 50-100 mm) benefited grains and sugarcane in the eastern Visayans and adjacent areas of Luzon and Mindanao. Temperatures continued to average near to above normal, however, enhancing crop moisture demands.



**EASTERN ASIA:** Seasonably dry weather prevailed across the North China Plain, while winter wheat remained dormant. Light to moderate rain (10-50 mm) fell across southeast China, increasing rice irrigation supplies and aiding winter crops.



**FSU-WESTERN:** An Atlantic storm system ushered in milder weather and widespread precipitation over most of the region. A mixture of rain and wet snow (10-44 mm) covered Ukraine, southern Russia (North Caucasus and central Black Soils Region), Belarus, and the Baltic States. Moderate to heavy snow (15-36 mm liquid equivalent) fell over northern Russia (Central Region, Volga



**AUSTRALIA:** Late-week rain (10-45 mm) brought additional drought relief to summer crops and pastures across eastern Australia. Dry weather earlier in the week eased flooding and possibly spurred sorghum planting in Queensland. Heavy tropical showers (50-175 mm) fell across northern Australia, but the northeastern sugarcane region received little or no rain. Temperatures averaged 1-2 degrees C below normal across the east, reducing evapotranspiration rates. In New Zealand, light to moderate rain (10-30 mm) fell across the North Island, aiding pastures. Heavy rain (75-110 mm) fell across the western and northern portions of the South Island, with lesser amounts in the eastern plains.

Vyatsk, and upper Volga Valley), increasing protective snow cover. Weekly average temperatures ranged from 2 to 6 degrees Celsius (C) above normal over most of the region. Temperatures in Ukraine, southern Russia, Belarus, and the Baltic States rose above freezing on several days during the week, melting protective snow cover.

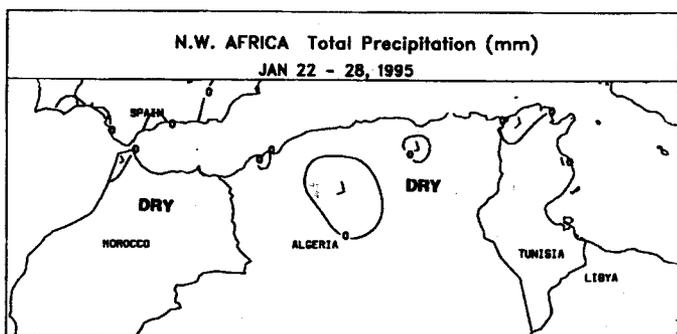
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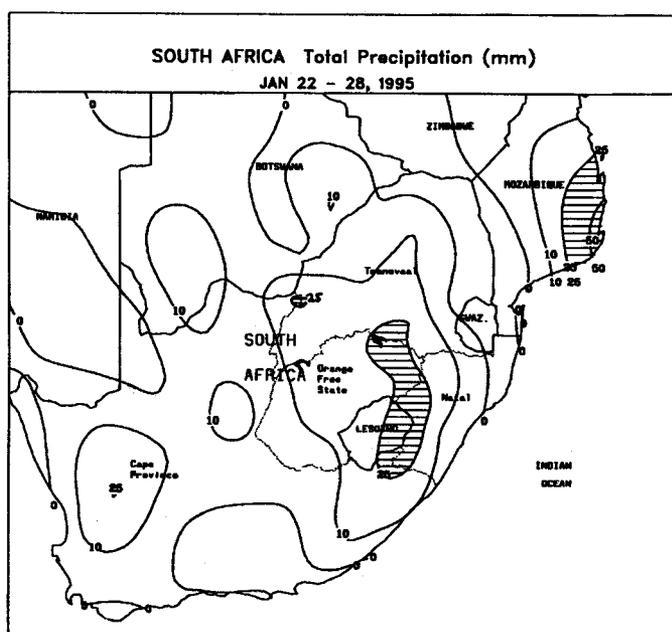
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**NORTHWESTERN AFRICA:** Mostly dry weather covered winter grains in the vegetative stage in Morocco, Algeria, and Tunisia. In Morocco, cumulative rainfall since October 1 at several locations has been about 30 percent of normal, adversely affecting winter wheat and barley development. The persistent dryness has caused spotty emergence and stunted plant growth, likely reducing yield prospects. Timely rain is needed throughout the remainder of the growing season, especially during the critical reproductive period of March and April, to prevent further declines in potential yields. In Algeria and Tunisia, moisture reserves were adequate for normal crop development over eastern Algeria and northern crop areas in Tunisia. However, moisture reserves are limited in western Algeria and southern Tunisia, where rain is needed to ease developing stress on crops. Weekly average temperatures were 2-4 degrees C above normal over Morocco, Algeria, and Tunisia, increasing evaporation rates.



**SOUTH AFRICA:** Light to moderate rain (10-37 mm) benefited most corn areas. However, temperatures averaged 2-3 degrees C above normal, with highs in the mid 30's occurring in most primary corn areas of North West and Orange Free State. Corn is usually advancing through reproduction this time of year across the corn belt, but due to this year's late planting in the west, crops are behind in development. Seasonable rainfall and temperatures during February will be vital for normal crop development. In Kwazulu-Natal, drier weather returned to rainfed sugarcane areas following last week's beneficial rains.

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FIRST CLASS**

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POSTAGE & FEES PAID  
NOAA  
PERMIT NO. G-19

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE, \$300