

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

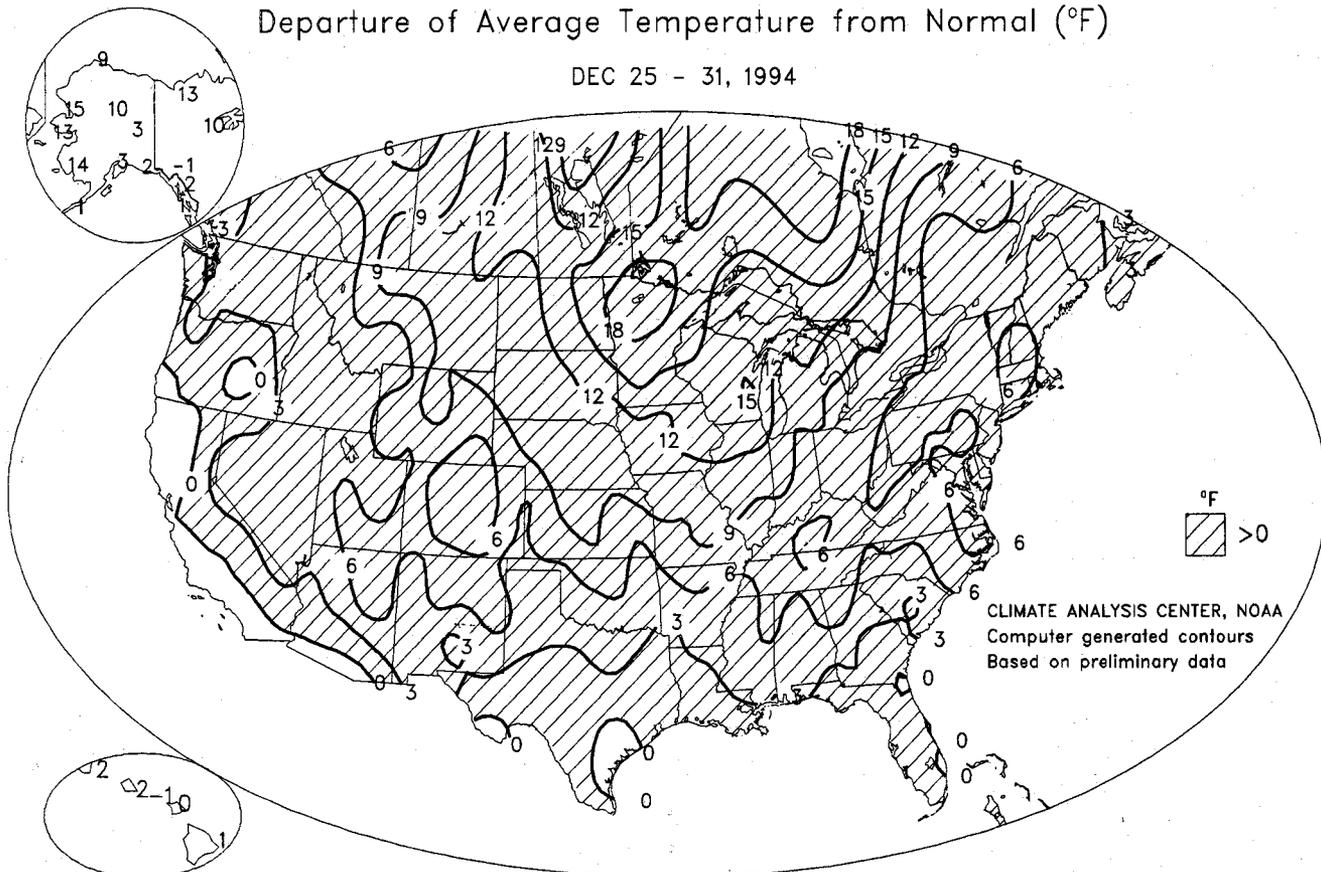
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Washington, D.C.

January 4, 1995

Departure of Average Temperature from Normal (°F)

DEC 25 - 31, 1994



HIGHLIGHTS

December 25 - 31, 1994

The week began with an unusually narrow temperature range--from a low on Sunday of 8°F in Williston, ND to a high of 71°F in Key West, FL--and daily-record warmth in the Northern States, but by Saturday, an arctic plunge sent temperatures to as low as -29°F in Stanley, ID. Nevertheless, weekly temperatures averaged 10 to 20°F above normal in the North Central States. The encroachment of arctic high pressure suppressed heavy precipitation in all but the Pacific Northwest and the South Central States. Snow developed in the central Plains late in the week. Outside the contiguous States, unseasonable warmth overtook Alaska, while dryness persisted in much of Hawaii. San Juan, PR set a daily record on December 26 with 91°F.

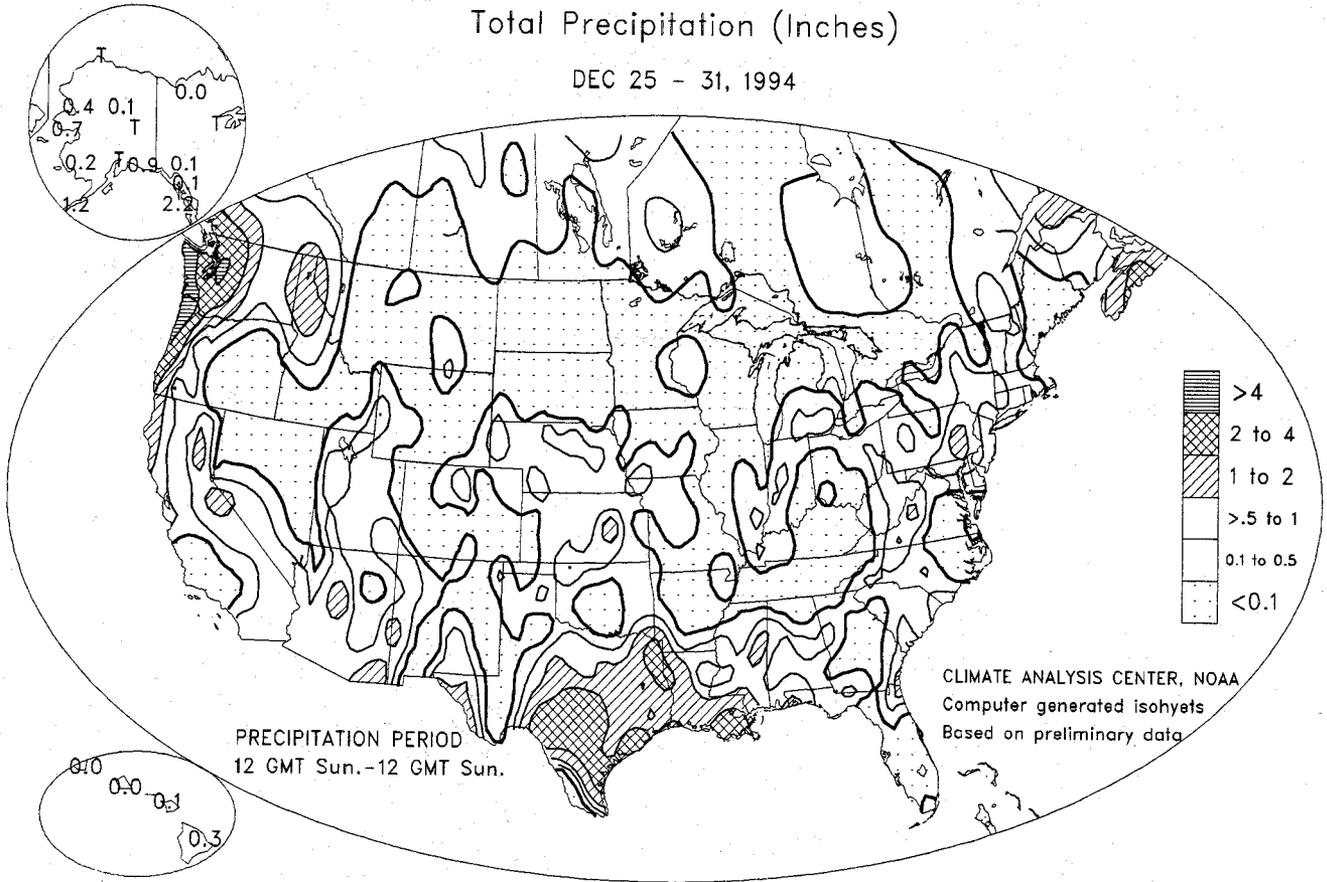
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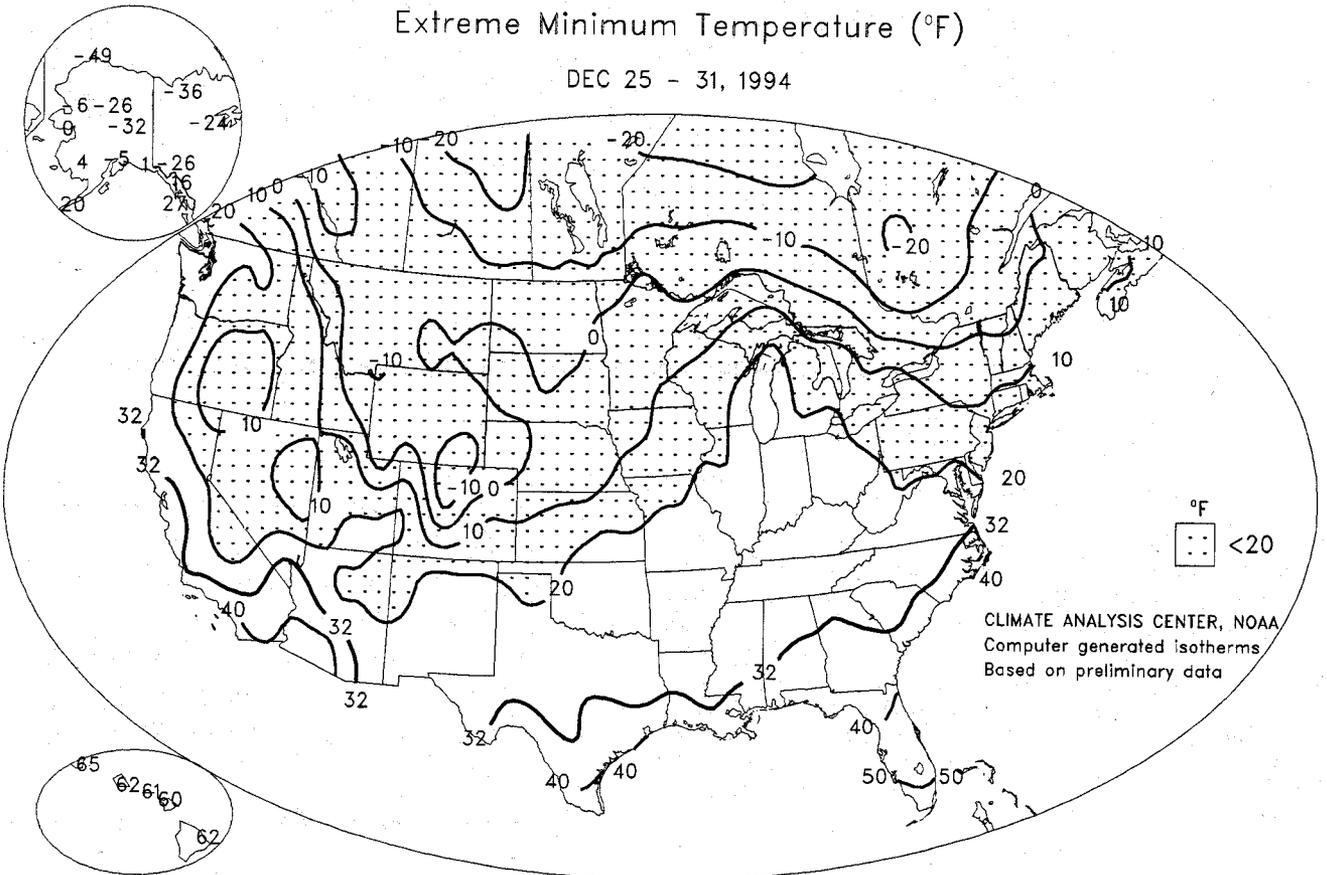
Total Precipitation (Inches)

DEC 25 - 31, 1994



Extreme Minimum Temperature (°F)

DEC 25 - 31, 1994



National Weather Data for Selected Cities

Weather Data for the Week Ending December 31, 1994

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	59	37	67	27	48	5	.4	-.8	.3	4.1	81	60.5	111	93	49	0	1	3	0	0	
MOBILE	65	43	70	32	54	3	.4	-.8	.4	3.0	57	54.9	86	92	48	0	1	1	2	0	
MONTGOMERY	62	39	71	32	51	5	.3	-.9	.2	4.5	87	59.3	108	93	55	0	1	2	0	0	
AK ANCHORAGE	25	12	41	-5	18	3	.2	-.2	.2	1.5	135	13.1	82	88	78	0	7	1	0	0	
BARROW	5	-13	15	-49	-4	9	.9	.0	.3	.2	94	4.3	95	86	78	0	7	1	0	0	
FAIRBANKS	5	-16	19	-32	-5	3	.7	-.2	.3	.5	55	9.7	89	83	75	0	7	1	0	0	
JUNEAU	33	23	37	16	28	2	.1	-.9	.1	3.5	80	55.2	102	96	83	0	7	1	0	0	
KODIAK	37	23	40	12	30	0	3.1	1.5	1.1	8.5	124	83.7	124	91	72	0	5	5	4	0	
NOME	26	12	30	0	19	13	.7	.5	.4	1.8	218	18.6	125	94	74	0	7	4	0	0	
AZ PHOENIX	60	48	66	40	54	1	.9	-.6	.6	3.0	304	8.8	115	90	55	0	0	4	3	1	
PRESCOTT	48	32	54	24	40	4	.6	-.2	.3	1.3	82	12.8	65	91	51	0	4	3	0	0	
TUCSON	60	42	68	34	51	0	1.1	-.8	.8	3.7	347	11.6	97	92	49	0	0	4	1	1	
YUMA	62	47	64	43	55	-1	.7	-.6	.7	1.2	262	3.3	104	95	57	0	0	1	1	0	
AR FORT SMITH	52	32	60	26	42	4	.1	-.5	.0	3.7	123	54.1	132	95	62	0	4	2	0	0	
LITTLE ROCK	53	37	60	31	45	6	.7	-.9	.3	4.1	87	54.9	111	81	56	0	1	1	0	0	
CA BAKERSFIELD	54	38	58	33	46	-1	.5	-.3	.4	1.3	210	6.7	117	90	53	0	0	2	0	0	
FUREKA	53	38	60	30	46	-2	1.5	-.2	1.3	7.0	116	35.3	94	95	60	0	2	4	1	0	
FRESNO	53	37	57	31	45	1	.2	-.1	.2	1.3	94	10.2	96	96	54	0	2	1	0	0	
LOS ANGELES	63	48	71	44	56	-1	.1	-.4	.0	1.1	63	8.1	67	86	51	0	0	2	0	0	
REDDING	53	33	58	25	43	-1	.5	-.7	.4	5.5	99	25.7	77	89	47	0	4	2	0	0	
SACRAMENTO	52	35	57	30	44	0	.0	-.0	.0	.0	.0	.0	.0	100	64	0	2	.0	.0	.0	
SAN DIEGO	61	50	65	46	56	-1	.5	-.1	.5	.8	51	9.5	95	85	55	0	0	1	0	0	
SAN FRANCISCO	53	41	56	35	47	-2	.5	-.3	.3	2.5	81	19.3	98	96	56	0	0	3	0	0	
CO DENVER	46	21	60	-2	35	4	.2	-.1	.1	.3	47	11.0	71	90	46	0	7	2	0	0	
GRAND JUNCTION	42	28	50	23	34	7	.7	-.1	.7	.6	93	7.0	68	97	63	0	7	1	0	0	
FURELO	49	18	62	14	33	4	.7	-.1	.7	.2	57	15.4	138	92	49	0	7	1	0	0	
CT BRIDGEPORT	45	28	57	15	36	5	.4	-.4	.4	3.7	107	41.0	98	97	36	0	5	1	0	0	
HARTFORD	45	22	58	11	33	7	.1	-.7	.1	5.4	138	53.0	120	72	33	0	6	1	0	0	
DC WASHINGTON	50	32	58	28	41	5	.4	-.2	.4	2.4	75	37.6	97	78	38	0	4	2	0	0	
FL PANAMA CITY	63	46	68	38	54	3	.5	-.6	.5	3.0	63	52.3	80	96	61	0	0	1	1	0	
DAYTONA BEACH	69	50	74	40	59	1	.1	-.5	.1	2.7	105	66.6	139	97	59	0	0	1	0	0	
JACKSONVILLE	65	45	71	39	55	-1	.8	-.1	.5	3.9	137	67.3	136	93	55	0	0	2	0	0	
KEY WEST	74	63	80	59	69	-2	.1	-.4	.1	4.5	224	46.8	118	88	65	0	0	0	0	0	
MIAMI	75	60	80	52	67	-1	.7	-.4	.7	5.0	270	79.5	142	90	58	0	0	1	0	0	
ORLANDO	74	52	78	41	63	2	.7	-.5	.7	3.0	141	67.9	141	97	60	0	0	0	0	0	
TALLAHASSEE	65	41	72	34	53	1	.8	-.4	.8	2.7	54	89.9	137	96	56	0	0	1	1	0	
TAMPA	73	51	79	42	62	1	.0	-.5	.0	1.6	73	47.3	108	99	59	0	0	0	0	0	
WEST PALM BEACH	74	55	80	47	65	-3	.0	-.0	.0	.0	.0	.0	.0	96	57	0	0	.0	.0	.0	
GA ATLANTA	59	40	67	36	50	4	.1	-.9	.1	1.6	37	60.1	118	84	50	0	0	2	0	0	
AUGUSTA	60	37	71	30	49	4	.7	-.8	.7	3.0	87	47.4	106	88	44	0	1	1	0	0	
MACON	60	37	70	31	48	4	.3	-.8	.3	2.8	64	60.4	135	95	51	0	2	1	0	0	
SAVANNAH	63	42	72	36	53	3	.4	-.4	.3	4.5	151	69.4	141	92	53	0	0	3	0	0	
HI HILO	81	65	84	62	73	1	.3	-.2	.1	6.0	50	181.8	141	87	59	0	0	3	0	0	
HONOLULU	83	68	85	62	75	2	.7	-.9	.7	.2	4	14.2	64	80	53	0	0	0	0	0	
KAHULUI	81	64	84	60	72	0	.1	-.7	.1	.3	10	11.3	54	83	58	0	0	1	0	0	
LIHUE	79	68	81	65	74	2	.0	-.2	.0	.1	2	26.9	63	76	57	0	0	0	0	0	
ID BOISE	41	26	53	16	33	5	.7	-.2	.1	1.8	132	9.4	78	89	56	0	6	3	0	0	
LEWISTON	40	31	49	20	36	2	.7	-.3	.7	.0	.0	8.6	69	83	58	0	3	0	0	0	
POCATELLO	35	22	44	3	29	6	.2	.0	.2	1.3	114	9.0	74	93	70	0	7	3	0	0	
IL CHICAGO	44	28	52	24	36	13	.1	-.4	.1	1.3	52	29.5	82	89	50	0	6	1	0	0	
MOLINE	44	24	56	21	34	13	.1	-.4	.1	1.6	74	32.1	82	93	55	0	7	1	0	0	
PEORIA	44	25	55	19	34	11	.7	-.5	.7	2.2	91	25.2	69	93	64	0	7	1	0	0	
QUINCY	42	28	56	21	35	10	.7	-.4	.7	1.5	63	20.5	52	89	68	0	7	1	0	0	
ROCKFORD	41	24	50	20	32	12	.1	-.3	.1	1.3	61	36.7	101	99	68	0	7	1	0	0	
SPRINGFIELD	45	29	57	22	37	11	.7	-.5	.7	2.0	73	35.5	101	92	65	0	6	1	0	0	
IN EVANSVILLE	50	32	59	28	41	7	.1	-.7	.1	2.6	69	36.8	80	94	58	0	6	1	0	0	
FORT WAYNE	39	27	46	23	33	8	.2	-.4	.2	2.3	78	29.3	84	93	78	0	6	1	0	0	
INDIANAPOLIS	44	30	48	26	37	9	.1	-.6	.1	1.7	50	31.6	79	92	65	0	6	1	0	0	
SOUTH BEND	43	26	48	22	34	9	.3	-.4	.3	2.5	76	37.8	97	91	68	0	7	1	0	0	
IA DES MOINES	42	25	55	12	33	13	.4	-.1	.4	2.4	175	28.2	83	92	65	0	6	2	0	0	
SIoux CITY	35	22	44	6	29	10	.2	-.1	.1	1.0	133	26.2	101	96	72	0	7	2	0	0	
WATERLOO	36	21	42	17	29	12	.1	-.2	.1	1.4	104	35.3	105	94	69	0	7	1	0	0	
KS CONCORDIA	45	27	57	11	36	9	.2	-.1	.2	1.2	145	17.8	62	94	69	0	5	2	0	0	
DODGE CITY	50	26	62	15	38	8	.4	-.2	.4	.9	145	18.9	88	92	66	0	7	2	0	0	
GOODLAND	43	23	56	6	33	5	.2	-.1	.2	.4	105	15.1	83	95	66	0	7	2	0	0	
TOPEKA	46	26	60	14	36	8	.1	-.2	.1	1.5	107	26.6	76	96	68	0	6	1	0	0	
WICHITA	49	28	58	18	38	7	.4	-.2	.4	1.0	76	24.5	71	98	68	0	5	1	0	0	
KY BOWLING GREEN	51	29	59	22	40	5	.7	-.1	.7	2.3	46	48.7	96	98	66	0	5	1	0	0	
LEXINGTON	47	30	57	25	39	6	.1	-.8	.1	3.9	97	45.7	103	95	64	0	6	1	0	0	
LOUISVILLE	47	33	57	29	40	6	.1	-.7	.1	3.0	81	35.5	80	96	71	0	4	1	0	0	
LA BATON ROUGE	63	42	68	30	52	2	.9	-.3	.4	3.0	55	59.2	97	100	62	0	2	3	0	0	
LAKE CHARLES	62	45	67	35	53	2	1.7	.5	1.0	7.0	138	44.2	81	96	65	0	0	2	2	2	
NEW ORLEANS	64	44	68	33	54	2	2.6	1.3	1.9	4.6	80	51.9	84	93	53	0	0	2	2	2	
SHREVEPORT	57	39	63	31	48	2	1.1	-.1	.7	8.0	167	54.6	111	97	61	0	3	3	1	1	

Based on 1961-90 normals.

Weather Data for the Week Ending December 31, 1994

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	TEMP. °F		PRECIP.
															90 AND ABOVE			32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME CARIBOU	25	9	34	-1	17	7	.5	-.2	.3	3.0	93	38.3	105	84	59	0	7	7	2	0
PORTLAND	38	18	53	8	28	6	1.0	-.9	1.0	6.2	135	44.3	100	80	46	0	7	7	1	0
MD BALTIMORE	52	30	63	21	41	7	4.4	-.7	4.4	2.0	58	43.3	106	74	33	0	0	5	1	0
SALISBURY	52	27	59	19	40	3	1.1	-.4	1.1	1.6	44	40.4	89	96	53	0	0	6	2	0
MA BOSTON	45	26	53	13	35	5	1.1	-.1	1.1	5.4	134	47.6	115	72	37	0	0	5	2	0
CHATHAM	41	30	52	15	36	3	1.0	-.8	1.0	1.7	37	37.2	82	70	49	0	0	3	3	0
MI ALPENA	42	23	50	11	32	12	1.1	-.4	1.1	4.4	19	29.8	103	88	55	0	0	7	1	0
DETROIT	40	29	47	24	34	10	1.1	-.3	1.1	1.8	83	33.7	111	92	69	0	0	7	1	0
FLINT	38	25	45	18	31	8	1.1	-.2	1.1	2.4	85	31.1	95	91	62	0	0	5	5	0
GRAND RAPIDS	42	25	47	21	33	9	1.1	-.3	1.1	1.1	39	46.6	129	90	63	0	0	7	1	0
HOGHTON LAKE	38	24	44	17	31	12	1.1	-.5	1.1	1.1	39	46.6	129	90	63	0	0	7	1	0
LANSING	40	24	44	19	32	9	1.1	-.4	1.1	1.5	27	27.6	98	91	64	0	0	7	1	0
MARQUETTE	35	20	46	10	28	14	1.1	-.4	1.1	1.6	76	35.4	113	96	64	0	0	7	1	0
MUSKOGON	41	27	48	22	34	9	1.1	-.3	1.1	1.0	33	33.0	101	91	60	0	0	6	6	0
SAULT ST. MARIE	35	20	44	8	28	13	1.1	-.5	1.1	1.6	20	28.0	82	91	55	0	0	7	1	0
MN ALEXANDRIA	32	20	45	5	26	17	1.1	-.2	1.1	1.4	51	19.2	75	94	71	0	0	7	1	0
DULUTH	32	18	41	3	25	16	1.1	-.3	1.1	1.3	27	29.2	97	87	64	0	0	7	1	0
INT'L FALLS	31	15	43	3	23	20	1.1	-.2	1.1	1.2	80	24.6	101	91	67	0	0	7	1	0
MINNEAPOLIS	36	21	45	10	29	15	1.1	-.2	1.1	1.5	49	29.7	105	89	65	0	0	7	1	0
ROCHESTER	33	21	39	11	27	14	1.1	-.1	1.1	1.3	62	31.3	105	92	73	0	0	7	1	0
MS GREENWOOD	58	39	64	28	48	5	1.1	-.6	1.1	2.6	44	46.2	85	96	57	0	0	2	2	1
JACKSON	58	39	66	27	49	4	1.1	-.3	1.1	3.3	53	56.2	102	98	63	0	0	2	2	2
MERIDIAN	62	41	71	32	52	5	1.1	-.3	1.1	6.9	114	65.5	116	93	55	0	0	2	2	2
MO CAPE GIRARDEAU	50	31	56	25	40	7	1.1	-.8	1.1	2.3	52	44.6	96	94	60	0	0	5	5	0
COLUMBIA	45	27	57	19	36	9	1.1	-.3	1.1	1.9	34	38.2	99	97	64	0	0	6	6	1
KANSAS CITY	45	27	58	16	36	9	1.1	-.1	1.1	1.8	111	28.4	75	93	67	0	0	6	6	0
SAINT LOUIS	49	32	59	26	41	10	1.1	-.5	1.1	1.5	50	34.7	92	91	49	0	0	2	1	0
SPRINGFIELD	51	28	60	25	39	8	1.1	-.4	1.1	1.1	41	49.1	113	94	57	0	0	7	1	0
MT BILLINGS	41	24	52	7	32	9	1.1	-.1	1.1	1.3	32	13.7	91	83	48	0	0	6	3	0
GLASGOW	31	15	47	-4	23	11	1.1	-.0	1.1	1.1	32	9.7	89	91	70	0	0	7	1	0
GREAT FALLS	39	23	55	-4	31	10	1.1	-.1	1.1	1.2	21	9.9	65	87	50	0	0	4	3	0
HAVRE	35	16	49	-6	25	11	1.1	-.2	1.1	1.5	94	7.6	68	90	63	0	0	7	2	0
HELENA	36	18	50	1	27	8	1.1	-.1	1.1	1.1	12	7.5	65	90	61	0	0	7	2	0
KALISPELL	32	21	39	1	27	6	1.1	-.2	1.1	1.7	41	11.6	70	94	80	0	0	7	3	0
MILES CITY	38	17	50	0	27	11	1.1	-.1	1.1	1.1	8	9.5	68	91	57	0	0	7	3	0
MISSOULA	33	19	40	6	26	4	1.1	-.2	1.1	1.0	51	11.5	85	87	75	0	0	7	3	0
NE GRAND ISLAND	41	23	58	4	32	10	1.1	-.1	1.1	1.6	83	22.7	91	98	73	0	0	7	2	0
LINCOLN	41	24	57	7	32	10	1.1	-.2	1.1	1.1	122	20.6	73	96	72	0	0	7	2	0
NORFOLK	38	22	56	3	30	11	1.1	-.3	1.1	1.0	136	28.8	114	95	71	0	0	7	2	0
NORTH PLATTE	43	19	59	2	31	10	1.1	-.3	1.1	1.7	140	18.9	98	98	62	0	0	7	2	0
OMAHA	41	25	57	11	33	11	1.1	-.1	1.1	1.2	119	30.1	101	93	68	0	0	7	2	0
SCOTTSBLUFF	43	20	54	-8	31	7	1.1	-.4	1.1	1.0	170	16.0	105	95	55	0	0	7	2	0
VALENTINE	45	20	59	0	33	10	1.1	-.2	1.1	1.6	120	18.0	80	86	46	0	0	7	1	0
NV ELY	33	17	43	0	25	1	1.1	-.3	1.1	1.7	93	9.0	89	97	80	0	0	7	2	0
LAS VEGAS	56	42	63	36	49	5	1.0	-.9	1.0	1.1	284	2.6	62	85	47	0	0	0	3	1
RENO	43	27	49	19	35	3	1.1	-.2	1.1	1.2	16	5.2	69	92	57	0	0	6	0	0
WINNEMUCCA	38	25	46	13	32	3	1.1	-.1	1.1	1.5	52	7.6	92	96	64	0	0	6	2	0
NH CONCORD	40	15	55	4	28	7	1.1	-.3	1.1	1.3	133	36.2	99	86	43	0	0	7	1	0
NJ ATLANTIC CITY	50	23	58	14	37	4	1.1	-.4	1.1	2.2	66	42.5	106	88	41	0	0	6	1	0
NM ALBUQUERQUE	52	30	58	28	41	8	1.1	-.0	1.1	1.6	124	11.2	126	83	45	0	0	7	1	0
CLOVIS	49	36	57	32	42	6	1.1	-.1	1.1	1.4	72	10.3	59	94	61	0	0	1	1	0
ROSWELL	53	34	59	28	44	5	1.1	-.1	1.1	1.0	7.6	61	93	62	0	0	3	0	0	
NY ALBANY	38	16	45	6	27	4	1.1	-.5	1.1	2.6	88	34.8	96	86	52	0	0	7	2	0
BINGHAMTON	37	20	47	6	29	6	1.1	-.3	1.1	3.0	100	42.1	114	84	45	0	0	6	2	0
BUFFALO	39	24	45	13	32	6	1.1	-.7	1.1	2.7	73	36.8	95	85	53	0	0	6	1	0
NEW YORK	48	31	57	20	39	6	1.1	-.6	1.1	2.7	81	43.5	103	65	34	0	0	3	1	0
ROCHESTER	41	23	47	14	32	6	1.1	-.2	1.1	2.3	85	29.6	92	83	46	0	0	6	1	0
SYRACUSE	37	18	42	7	27	3	1.1	-.5	1.1	2.5	79	39.1	100	85	49	0	0	7	2	0
NC ASHEVILLE	53	32	61	24	42	5	1.1	-.4	1.1	3.0	68	57.5	102	83	41	0	0	3	1	0
CHARLOTTE	55	35	66	31	45	5	1.1	-.6	1.1	1.9	55	36.7	85	76	31	0	0	1	1	0
GREENSBORO	54	33	65	28	43	5	1.1	-.5	1.1	1.6	18	34.5	81	66	27	0	0	3	1	0
HATTERAS	58	47	67	45	53	6	1.1	-.9	1.1	4.9	108	68.9	123	87	65	0	0	0	1	0
NEW BERN	60	41	68	36	50	6	1.1	-.9	1.1	1.3	35	35.8	66	87	46	0	0	0	0	0
RALEIGH	57	36	67	29	46	6	1.1	-.6	1.1	1.3	39	36.4	88	86	34	0	0	2	1	0
WILMINGTON	61	41	67	37	51	6	1.1	-.4	1.1	6.9	170	61.4	108	89	47	0	0	1	1	0
ND BISMARCK	31	14	43	-5	22	12	1.1	-.1	1.1	1.3	57	18.9	122	91	74	0	0	7	1	0
FARGO	33	20	44	0	26	19	1.1	-.1	1.1	1.2	31	23.1	119	89	67	0	0	7	1	0
GRAND FORKS	31	18	42	0	25	19	1.1	-.2	1.1	1.1	23.1	126	91	68	0	0	7	0	0	
WILLISTON	29	12	40	-2	21	11	1.1	-.1	1.1	1.0	179	15.9	117	91	72	0	0	7	2	0
OH AKRON-CANTON	41	25	46	18	33	6	1.1	-.4	1.1	3.0	101	40.5	110	89	58	0	0	7	1	0
CINCINNATI	45	31	55	26	38	8	1.1	-.6	1.1	2.9	91	38.3	93	93	59	0	0	5	1	0
CLEVELAND	42	26	45	20	34	7	1.1	-.5	1.1	2.9	95	29.5	80	88	56	0	0	6	1	0
COLUMBUS	43	30	50	27	36	9	1.1	-.6	1.1	2.2	74	31.6	84	91	58	0	0	6	1	0
DAYTON	41	28	48	25	35	6	1.1	-.5	1.1	2.8	94	34.8	95	92	64	0	0	6	1	0

Based on 1961-90 normals.

Weather Data for the Week Ending December 31, 1994

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT	NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE		.50 INCH OR MORE	
																		90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	39	28	46	23	34	9	.4	-.2	.4	3.1	105	29.2	89	93	69	0	6	1	0	0	
YOUNGSTOWN	39	25	44	16	32	6	.4	-.2	.4	3.3	112	38.2	102	92	60	0	7	1	0	0	
OK OKLAHOMA CITY	53	33	61	24	43	6	.5	-.3	.5	1.6	116	28.1	84	96	63	0	4	0	0	0	
TULSA	51	32	61	25	42	6	.2	-.2	.2	1.2	56	49.4	122	95	63	0	5	2	0	0	
OR ASTORIA	49	37	54	30	43	2	4.9	2.6	2.8	14.8	141	75.9	114	87	65	0	2	4	3	0	
BURNS	32	13	39	-1	23	2	.0	.3	.0	.3	25	5.0	50	87	61	0	2	2	0	0	
MEDFORD	48	30	50	20	39	2	.3	-.4	.3	1.1	32	12.1	64	95	53	0	4	1	0	0	
PENDLETON	43	32	57	19	38	5	.3	-.1	.3	.9	52	12.5	104	87	49	0	3	2	0	0	
PORTLAND	49	38	59	30	43	4	1.4	.0	.9	4.9	79	34.9	96	81	48	0	2	4	1	1	
SALEM	50	35	58	26	43	3	1.3	-.2	.9	4.9	72	37.6	96	86	52	0	4	4	1	0	
PA ALLENTOWN	47	23	54	14	35	6	.3	-.4	.3	3.1	88	48.6	112	84	36	0	6	1	0	0	
ERIE	41	26	45	17	34	6	.3	-.7	.3	3.2	89	40.5	98	87	49	0	5	5	0	0	
HARRISBURG	47	27	58	17	37	7	.6	-.1	.6	2.9	90	46.8	115	80	35	0	6	1	1	1	
PHILADELPHIA	49	29	57	22	39	8	.2	-.6	.2	2.1	58	45.0	98	80	33	0	5	1	0	0	
PITTSBURGH	41	26	47	18	34	5	.1	-.6	.1	2.0	69	41.4	112	88	49	0	7	1	0	0	
SCRANTON	43	23	49	14	33	6	.2	-.3	.2	2.4	94	42.2	117	85	40	0	6	1	0	0	
RI PROVIDENCE	46	26	55	14	36	7	.4	-.6	.4	4.6	105	44.8	98	72	36	0	5	1	0	0	
SC CHARLESTON	61	43	68	37	52	3	.5	-.2	.4	6.4	202	70.4	137	78	49	0	0	3	0	0	
COLUMBIA	59	36	70	29	48	3	.1	-.8	.1	5.8	162	52.0	104	85	35	0	2	1	0	0	
FLORENCE	61	40	69	32	51	6	.3	-.4	.3	9.3	297	48.7	111	82	39	0	1	1	0	0	
GREENVILLE	58	37	69	31	47	6	.3	-.7	.3	4.0	96	51.4	100	72	29	0	1	1	0	0	
SD ABERDEEN	30	14	39	-4	22	11	T	-.1	T	.4	70	20.7	98	92	71	0	7	0	0	0	
HURON	34	20	43	5	27	12	T	-.1	T	.6	121	20.8	104	93	70	0	7	1	0	0	
RAPID CITY	43	24	58	4	34	12	T	-.1	T	.4	74	10.5	63	83	50	0	7	0	0	0	
SIOUX FALLS	34	19	41	2	27	12	T	-.1	T	.3	47	22.9	96	96	73	0	7	1	0	0	
TN CHATTANOOGA	57	35	66	28	46	8	.1	-1.1	.1	3.9	75	73.7	138	93	37	0	3	1	0	0	
KNOXVILLE	55	33	61	26	44	6	T	-1.0	T	2.0	44	63.3	134	90	48	0	4	2	0	0	
MEMPHIS	54	38	61	30	46	5	T	-1.2	T	6.1	106	49.6	95	90	58	0	1	1	0	0	
NASHVILLE	55	33	62	25	44	6	T	-1.0	T	2.7	58	60.2	127	87	49	0	4	0	0	0	
TX ABILENE	55	36	62	29	46	2	.8	.5	.5	1.0	101	28.4	116	96	60	0	1	3	1	1	
AMARILLO	50	31	58	19	40	5	.2	.1	.1	.3	70	17.3	89	95	66	0	4	3	0	0	
AUSTIN	60	44	68	35	52	2	2.0	1.6	1.5	5.7	301	41.2	129	92	59	0	0	3	1	1	
BEAUMONT	61	44	66	36	53	1	2.1	1.0	1.1	4.2	87	67.5	118	97	61	0	0	2	2	2	
BROWNSVILLE	69	51	73	45	60	0	.3	.0	.2	1.5	122	33.7	89	96	63	0	0	4	0	0	
CORPUS CHRISTI	64	48	70	41	56	0	3.0	2.7	2.6	8.0	637	39.0	129	91	56	0	0	2	1	1	
DEL RIO	60	44	69	37	52	2	2.7	2.5	2.0	3.1	285	21.8	88	89	60	0	0	4	2	2	
EL PASO	58	40	60	34	49	6	.9	.7	.7	1.6	282	5.5	62	90	54	0	0	2	1	1	
FORT WORTH	57	39	62	30	48	5	.7	.2	.3	2.4	115	43.5	117	96	65	0	2	3	0	0	
GALVESTON	60	51	65	46	56	2	2.6	1.8	1.7	4.9	141	28.1	66	90	69	0	0	2	2	2	
HOUSTON	61	44	67	34	52	2	1.2	.2	1.2	4.9	102	43.2	80	96	62	0	0	2	2	1	
LUBBOCK	51	34	61	25	42	4	.1	.0	.1	.2	28	13.1	70	98	68	0	2	4	0	0	
MIDLAND	54	37	60	30	45	2	.4	.3	.4	.5	92	10.2	67	98	64	0	3	3	0	0	
SAN ANGELO	57	37	63	28	47	3	.9	.7	.5	1.2	153	19.4	95	98	59	0	2	3	0	0	
SAN ANTONIO	62	41	72	31	51	1	1.8	1.5	.9	3.3	217	40.2	130	94	53	0	0	3	2	1	
VICTORIA	62	42	68	34	52	-1	1.1	.4	.9	5.0	170	43.7	96	94	61	0	0	2	1	1	
WACO	57	40	62	29	49	3	1.7	1.3	1.1	5.0	271	33.9	106	95	63	0	2	4	1	1	
WICHITA FALLS	56	34	61	25	45	5	.3	.0	.3	.9	54	13.8	43	96	59	0	2	2	0	0	
UT CEDAR CITY	41	28	48	19	35	6	.1	-.1	.0	.2	33	9.1	79	94	60	0	5	2	0	0	
SALT LAKE CITY	39	26	46	17	32	5	.1	-.2	.1	1.4	102	15.3	95	97	76	0	6	3	0	0	
VT BURLINGTON	34	15	44	1	25	6	.1	-.4	.1	1.7	69	34.9	101	84	46	0	7	1	0	0	
VA NORFOLK	54	39	65	32	47	6	.1	-.6	.1	1.2	37	52.4	117	80	53	0	1	1	0	0	
RICHMOND	54	30	65	25	42	5	.1	-.7	.1	1.0	29	43.7	101	90	37	0	6	1	0	0	
ROANOKE	53	33	65	24	43	7	.4	-.3	.4	2.4	81	42.7	104	74	22	0	3	1	0	0	
WA QUILLAYUTE	47	35	50	28	41	2	7.1	3.7	3.1	20.0	129	104.5	99	93	66	0	2	3	3	2	
SEATTLE-PACOMA	49	39	58	32	44	4	3.0	1.7	1.6	8.2	138	34.9	94	80	60	0	3	3	2	2	
SPOKANE	38	27	48	15	32	6	.8	.2	.5	1.6	65	13.3	81	91	67	0	5	3	0	0	
YAKIMA	42	25	51	17	34	5	.8	.2	.5	...	...	...	...	...	...	...	...	...	...	...
WV BECKLEY	48	30	55	23	39	8	.3	-.5	.2	1.9	59	47.0	115	79	35	0	5	2	0	0	
CHARLESTON	47	29	57	22	38	4	.1	-.6	.1	2.5	74	49.4	116	94	61	0	4	1	0	0	
HUNTINGTON	47	31	58	25	39	7	T	-.7	T	3.0	86	45.8	106	89	59	0	4	1	0	0	
PARKERSBURG	45	31	54	28	38	6	T	-.6	.1	2.8	95	47.2	116	89	49	0	5	1	0	0	
WI GREEN BAY	40	25	47	21	32	16	T	-.3	T	.3	22	27.8	96	85	57	0	6	0	0	0	
LACROSSE	38	23	47	18	31	14	T	-.3	T	.7	54	34.5	113	91	58	0	6	0	0	0	
MADISON	41	23	50	19	32	14	T	-.3	T	1.1	66	33.5	104	89	59	0	6	1	0	0	
MILWAUKEE	44	30	52	25	37	16	T	-.4	.1	1.1	49	27.3	83	86	58	0	5	1	0	0	
WAUSAU	37	20	47	15	28	15	T	-.3	T	.4	24	22.5	69	85	51	0	7	1	0	0	
WY CASPER	39	22	53	-3	31	9	.1	.0	.1	.4	56	13.7	109	86	57	0	7	3	0	0	
CHEYENNE	42	18	57	-10	30	4	.4	.3	.2	.6	136	13.5	94	94	47	0	7	3	0	0	
LANDER	38	18	49	-6	28	9	.2	-.1	.2	.3	45	11.9	91	86	53	0	7	2	0	0	
SHERIDAN	40	18	56	-1	29	8	.1	-.1	.1	.2	29	15.1	104	84	52	0	7	2	0	0	
PR SAN JUAN	87	72	91	68	79	2	.9	.0	.5	3.1	65	40.9	78	86	51	1	0	4	1	1	

Based on 1961-90 normals.

National Agricultural Summary

December 26, 1994 - January 1, 1995

HIGHLIGHTS: The new year began with sparse snow cover across the northern half of the Nation. Early in the week, warm weather in the Northern Plains melted much of the protective snow cover for winter wheat. By the end of the week, the warm weather was pushed away by an Arctic air mass that descended from Canada. Meager snow accumulations raised producers' concerns for the protection of winter wheat as the temperatures dropped. Snow cover was considerably below last year's level for parts of the Dakotas. Flooding in western Washington subsided as the warm weather that melted the snow was replaced by cool, dry weather late in the week. Light rain in California slowed field activities, while producers in some areas pre-irrigated small grain fields. In Iowa piles of corn stored on the ground still remain to be moved before the deadline for emergency storage expires. Farmers accomplished some fieldwork and fertilizer application in the Midwest early in the week before the weekend storm arrived. Florida citrus harvest was

active and citrus processors operated around the clock to move the early fruit.

SMALL GRAINS: Warm weather in the Northern Plains that melted the protective snow cover for winter wheat was replaced by an Arctic air mass. Depleted snow cover in parts of the middle Mississippi Valley was replaced by a weekend snow storm. Wind damage to winter wheat in Montana was rated as mostly light to none, while Nebraska wheat was reported in mostly good to fair condition. Snow cover in North Dakota was deep enough to protect 64 percent (%) of the wheat. More snow was needed in the Ohio Valley to provide adequate protection from the colder weather. In the Texas Plains, dryland wheat fields continued to show signs of stress from a shortage of moisture. Greenbugs continue to be reported as a problem in parts of Texas, where 98% of the wheat was emerged, 2 points behind last year.

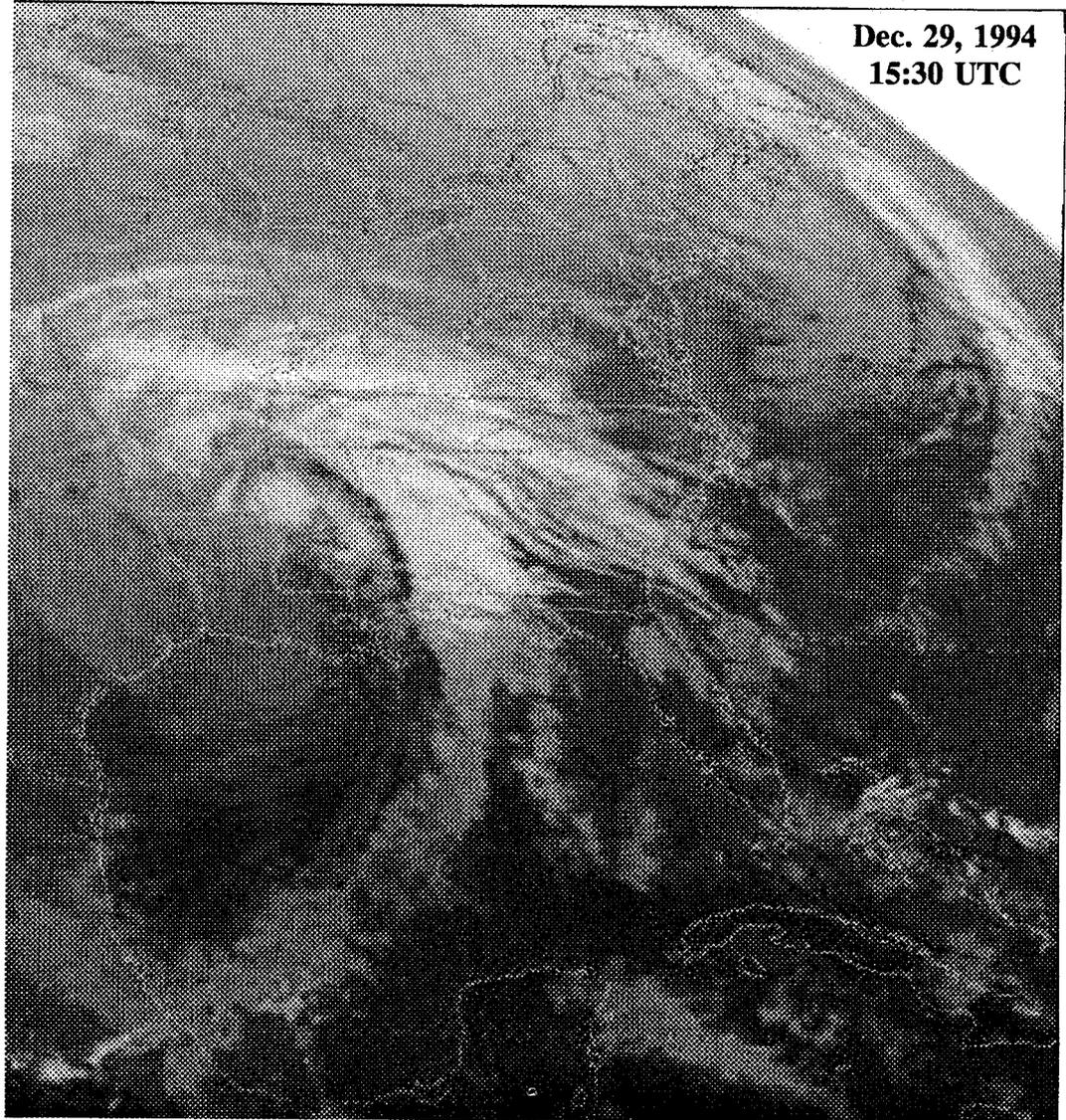
(Continued from front cover)

During the first half of the week, 18 daily-record highs were established from the Northwest to New England, precipitation spread from the Southwest into southern Texas, and for the third time in 3 weeks, a round of heavy rain caused flooding and mudslides in the Pacific Northwest. In Michigan, daily records were broken by 10°F or more in Alpena (50°F on Tuesday and Wednesday) and Marquette (46°F on Sunday). Other daily records included 53°F in Portland, ME on Sunday, and 61°F in Eugene, OR on Tuesday. Warmth in Washington was accompanied by 7.13 inches of rain at Quillayute and more than 8 inches in Grays River. Astoria, OR reported 4.94 inches. On Tuesday, winds to 98 mph were clocked in southwestern Oregon's Curry County. In Tillamook County, Netarts, OR registered a gust to 75 mph.

Meanwhile in the Southwest, rainfall included 1.13 inches in Douglas, AZ and 0.91 inches in Blythe, CA. With 0.87 inches of rain on December 26-27, El Paso, TX garnered nearly one-sixth of its annual total. Rainfall measured 1.70 inches at Del Rio, TX on Tuesday, setting a record for the date. Elsewhere in Texas, storm totals topped 2 inches at locations such as Corpus Christi and Longview. The weather system responsible for Texas' rain weakened as it crossed the Southeast, sheared apart by an arctic surge to its north (see satellite photo at right). Across New England on Thursday, wind gusts included 72 mph in Milton (Blue Hill Obs.), MA and 56 mph in Concord, NH. Saranac Lake, NY registered -9°F on Friday morning.

Late in the week, a second storm entered the Southwest and tracked rapidly north-eastward, preceded by a large shield of mostly light precipitation. By late Saturday, 6 inches of new snow blanketed Red River, NM, Ft. Collins, CO, Grand Island, NE, and Russell, KS. Two-inch

depths were measured at locations such as Des Moines, IA, Kansas City, MO, and Great Falls, MT. At week's end, rain overspread the East, with heavy amounts confined to the central Gulf Coast. In the Northeast, freezing rain plagued valleys of the Appalachian foothills. In the storm's wake, temperatures plummeted in the High Plains, falling to -16°F by Sunday morning in Scottsbluff, NE.



Dec. 29, 1994
15:30 UTC

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 0.63 in. north; 0.08 to 1.40 in. central; 0.18 to 1.79 in. south. Temperatures 1° below normal to 7° above normal statewide. Lows 20 to 27° north; 22 to 35° central; 25 to 39° south. Highs 62 to 69° north; 63 to 72° central; 69 to 72° south.

Seasonal activities: Weaning calves, selling cattle, other seasonal chores.

ARIZONA: Temperatures normal to 9° above normal. Extremes 12°, 61° higher elevations; 26°, 68° deserts. Precipitation 0.05 to 2.09 in.

Fieldwork again slowed by rain. Cotton harvested 100%, 100% 1993, 100% avg. Stalk shredding, plowdown active, weather permitting. Alfalfa mostly good. Harvest light. Sheeping off moderate. Stand renovation, stands established normal to above normal. Lemon, grapefruit, navel orange harvest western, central areas. Tangerine harvest steady central. Pecan harvest continued central, eastern areas. Vegetable harvest steady. Volume leaders: Iceberg, romaine, Boston, leaf lettuce, broccoli, cauliflower. Also available: Cabbage, carrots, endive, escarole, mixed greens, napa, radishes, spinach. Light, steady volume tomatoes available. Range, pasture feed 76% of normal, 8% above month earlier. Cattle, calves fair to good condition. Stockwater supplies mostly adequate; insect damage very light.

ARKANSAS: Temperatures slightly above normal with scattered light showers around the middle of the week, mainly in the southern region. Extremes 19°, 66°. Precipitation none to 0.43 in.

Wheat in good condition. Still some cotton being scrapped in Mississippi county. Livestock producers feeding hay. Some producers were winter grazing cattle on wheat fields. Livestock in good condition.

CALIFORNIA: Westerly flow over Pacific directed several weather systems to west coast during week, high pressure ridge broke apart systems allowing only light precipitation. Varying cloudiness allowed temperatures above normal some areas, below normal others.

Light rain slowed field activities most areas. Small grains, winter forages, new alfalfa pre-irrigated, seeded, fertilized, treated weeds where conditions permitted. Growth of emerging alfalfa, grain crops slowed, persistent fog, cold temperatures San Joaquin Valley. Elsewhere, growth, emergence normal. Shredding, discing harvested cotton fields for pink bollworm control essentially complete. Virtually all growers met 31st compliance deadline. Alfalfa, winter forage greenchopped Tulare, Riverside Counties. General ground preparation small grains, forage crops, alfalfa ongoing drier soiled areas. Winter practices continued vineyards, orchards. Pruning deciduous trees, vineyards, brush shredding, dormant spraying continued. Persimmons, quince exported. Walnuts shaken reduce Navel Orange worm. Navel orange harvest gathered momentum. Ice marks, puff, green spotting, Navel Oranges. Desert lemons, grapefruit, tangerine, avocado, harvested. Rains caused delays broccoli, cauliflower harvest Monterey County, Imperial, Coachella, San Joaquin Valleys. Harvest cabbage west side

Fresno County continued, limited activity Tulare County. Carrot harvest almost complete Riverside County. Celery harvest continued Monterey, Riverside Counties. Rains Tulare County assisted growth garlic fields. Fall head, leaf lettuce fields harvested Imperial, Coachella Valleys. The Fall head lettuce harvest virtually complete San Joaquin Valley except few shredder companies. Onion growth promoted due recent rains Tulare County. Processing spinach progressing normally. Spring potato planting Kern County. Winter potatoes harvested Riverside County with fair quality. Other crops harvested: Oriental vegetables, ginger root, green onions, radishes, turnips. Preparation, planting of spring crops continued. North, central range, pastures, good condition, cooler temperatures inhibited significant growth. Southern pastures improved, fair to good condition. Warmer temperatures needed. Supplemental feeding continued. Water supply, snow pack improved. Cattle, sheep, good condition.

COLORADO: Beginning of the week had above normal temperatures, dry weather. Remainder of week had below normal temperatures with the mountains receiving 1 to 2 in. of snow, while the northeast received 2 to 5 in. of snow on the 31st.

Colder weather has not affected winter wheat. Topsoil still dry in many areas of the State. Major farm activities: Care, feeding of livestock.

FLORIDA: Temperatures 2 to 6° above normal. Highs mid 70s north, low 80s central, south. Lows 30s north, 40s central, south, upper 30s interior central. Rainfall 0.50 to 1.00 in. north, under 0.25 in. central south. Many central Peninsula locations no rain.

Soil moisture short to adequate Panhandle, northern Peninsula, adequate to surplus central, southern Peninsula. Sugarcane harvest, planting active. Tobacco growers starting to plant tobacco beds. Growers making preparations for spring planted crops. Citrus groves very good condition. Moisture adequate, very little rain. Harvest very active. Processors running around the clock to move the early fruit crops. Fresh shipments slowed this week due to holidays. Caretakers inactive except for cover crop cutting prior to harvesting. Most vegetables recovered from last weeks wind, rain damage. Cooler temperatures slightly slowing plant growth, fruit development. Volume leaders: Tomatoes, peppers, cucumbers, snap beans, squash, cabbage, strawberries. Pasture feed; very poor 5%, poor 10%, fair 40%, good 45%. Cattle condition mostly good.

GEORGIA: Temperatures 2 to 3° above normal most locations. Extreme highs upper 60s mountains to middle 70s extreme southeast. Lows low to middle 20s mountains to upper 30s near coast. Most areas 1 or 2 rain days but varied from none to 4 days. Rainfall mostly under 0.10 in. northwest, under 0.25 in. elsewhere with few local areas recording 0.50 to 0.75 in.

Soil moisture adequate. Field activities limited due to wet fields. Cotton harvest at about 96% complete. Soybean harvest making steady progress, now at 95% complete. Pecan harvest made limited progress, at about 87% complete. Small grain planting is nearing completion. Tobacco bed sowing, onion transplanting progressed as weather permitted. Routine care of livestock,

poultry. Pasture feed mostly fair condition, livestock good condition.

HAWAII: Cool, generally dry weather most of the week. Some evening, early morning showers windward areas. Winds light, variable beginning of week, becoming moderate towards weekend. Temperatures low 60s to low 80s. Rainfall none to 1.00 in.

Weather generally good to fair for crop progress. Cooler temperatures, shorter daytime length slowing growth. Drier weather allowing increased field preparation. Pastures in some Hawaii island grazing areas showing signs of stress due to lack of rainfall.

IDAHO: Temperatures 3° below to 8° above normal. Precipitation 0.21 to 1.72 in. north, 0.07 to 0.23 in. southwest, none to 0.45 in. south central, none to 0.22 in. southeast. Extremes -28°; 63°. Temperatures most of State few degrees above normal. Snow cover is gone in the lower elevations.

Hay, roughage supply 1% very short, 7% short, 92% adequate. Activities: Marketing potatoes, caring for livestock, shop work, educational meetings.

ILLINOIS: High temperatures upper 30s in the north to the upper 40s in the south. Deviations 6 to 9° above normal south to over 10° above normal north. Lows the low 20s north to around 30° south 5 to 10° above normal. Precipitation generally under 0.25 in., ranged to nearly 0.40 in. northwest to 0.89 in. southern tip of the State. Those totals are generally below normal by 0.30 to 0.50 in.

Fertilizer application continues as weather permits. Grain movement is slow. Livestock conditions are good with the mild weather.

INDIANA: Started with a dense fog that, at times, cut visibility to near zero. Weather improved by midweek producing a couple of nice days before an approaching cold front brought rain to end the year. High temperatures in the upper 30s to 40s. Lows in the 20s to low 30s. Extreme highs in the 50s on 29th. Precipitation less than 0.10 to 0.50 in.

A dry, mild week allowed farmers to accomplish some fieldwork before showers, snow arrived over the weekend. Winter wheat good condition, still green most areas. Other activities: Plowing, production meetings, purchasing supplies, weaning calves, spreading fertilizer, tax preparation, moving grain, hauling manure, chopping stalks, processing tobacco, equipment maintenance, mending fence, cutting wood, care of livestock. Hay supplies mostly adequate.

IOWA: Very mild until the weekend with temperatures 8 to 11° above normal. Extremes -2°; 57°. Light to moderate snow most areas 31st to 1st; precipitation none extreme northeast to 0.48 in. Bedford southwest; State 0.16 in. (normal 0.23 in.). Snow cover nearly gone before weekend storm brought 2 to 4 in. new snow to southwest three-quarters.

A considerable amount of grain stored outside still remains to be moved before the end of emergency storage Jan. 7th.

KANSAS: Seasonally mild temperatures continued across the State. Temperatures 6 to 11° above normal.

Relatively mild temperatures early in the week gave way to cold, snow late in the week. Daytime highs in the middle 60s were experienced throughout the State. Precipitation amounts averaged less than 0.20 in. in any district. Livestock continued to do well, with very little stress so far this year.

KENTUCKY: Unseasonably mild, dry conditions prevailed. Maximum temperatures generally 5 to 8° above normal west, 6 to 9° above normal east. Minimum temperatures 4 to 7° above normal west; 5 to 8° east. Precipitation was light to none, no snow.

Farm activity minimal during Holiday Season. Soil moisture adequate, some ponds low. Winter wheat mostly good condition. Burley being stripped as weather conditions allow, markets reopen 9th. Mild December helped conserve hay supplies. Cattle satisfactory condition.

LOUISIANA: Weather data not available.

Main farm activities included: Draining fields of excess rain water, caring for livestock, leveling ruts in sugarcane fields, finalizing harvest, crawfishing, harvesting cole crops in some southeastern parishes. Wheat, ryegrass were in good condition.

MARYLAND & DELAWARE: **MARYLAND:** Precipitation 0.13 in., normal 0.78 in. Temperature 41.9°, normal 34.5°. Extremes 14°; 63°.

Livestock, pasture feed good condition. Hay supplies adequate. Small grains in good condition. Activities include maintenance, preparations for spring planting.

DELAWARE: Precipitation 0.21 in., normal 0.80 in. Temperature 41.7°, normal 35.5°. Extremes 20°; 59°.

Small grains in good condition. Pasture, livestock feed good condition. Hay supplies adequate. Activities include: Maintenance, preparation for spring planting.

MICHIGAN: Extremes 10°; 51°. Precipitation none to 0.27 in. across the State.

Major activities: Cutting wood, pruning orchards, repairing machinery, spreading manure, harvesting corn, enjoying the mild weather.

MINNESOTA: Temperatures 11 to 18° above normal for the State. Extremes -14°; 55°. Precipitation 0.13 in. below normal across the State.

Livestock producers had another excellent week for feeding, caring of livestock. Livestock are in excellent condition.

MISSISSIPPI: Weather data not available.

Days suitable for fieldwork 2.4. Soil moisture 46% adequate, 54% surplus. Livestock 15% fair, 80% good, 5% excellent. Hay supply 100% adequate. Feed grain supply 95% adequate, 5% surplus. Pasture feed 85% of normal. Activities: Feeding livestock.

MISSOURI: Temperatures 7° above normal at Springfield, Caruthersville to 11° above normal at Columbia, St. Joseph. Precipitation none at Nevada to around 0.15 in. at Columbia, St. Joseph.

Pastures, livestock benefiting from continued mild weather.

MONTANA: Week started out warm, dry; by end of week a cold arctic high pressure system moved in bringing much colder temperatures, snow.

Winter wheat 10% poor, 40% fair, 48% good, 2% excellent. Protectiveness of snow cover for winter wheat 65% poor, 28% fair, 7% good to excellent. Wind damage to winter wheat fields 44% none, 40% light, 14% moderate, 2% heavy. Grazing 40% open, 60% difficult.

NEBRASKA: Temperatures near normal northwest to 9° above normal north central. Precipitation occurred as snow last half of week with water equivalents averaging 0.30 in.

Winter wheat 26% fair, 71% good, 3% excellent. Feed grain supplies 1% short, 58% adequate, 41% surplus. Hay, forage supplies 6% short, 84% adequate, 10% surplus. Some supplemental feeding occurring.

NEVADA: A split flow of jet streams passing north, south of State kept weather conditions fairly calm in the northern, western parts of the State. Significant precipitation associated with the southern flow fell in the southern, eastern regions. Some flash flooding was reported in Las Vegas.

Main farm, ranch activities: Livestock feeding, hay marketing, equipment/fence maintenance, record keeping.

NEW ENGLAND: Precipitation none to 0.49 in. north, 0.26 to 0.92 in. south. Temperatures 16 to 28° north; 26 to 36° south. Maximum temperatures 34 to 55° north; 45 to 60° south. Minimum temperatures -11 to 8° north; 2 to 22° south.

Major farm activities: Caring for livestock, preparing for lambing, moving crops out of storage, general maintenance.

NEW JERSEY: Temperatures near normal, 34° north, 38° south, 41° coastal. Extremes 9°; 61°. Rainfall 1.06 in. north, 0.45 in. south, 0.34 in. coastal. Heaviest 24 hour total 0.72 in. on 31st, 1st.

Farmers winterizing equipment, caring for livestock.

NEW MEXICO: In spite of cold air filtering into the plains toward the weekend, 1994 closed with another basically warm week. Statewide 3° above normal, while Chama, Taos were both 10° above normal. Two precipitation-producing storms affected the State. The first one produced more significant amounts in the southwest while the 2nd system hit the central part of the State. Greatest totals included 0.97 in. at Animas, 0.81 in. at Silver City.

Supplemental feeding continues to take place in most counties. Recent moisture is the answer to most wishes for the New Year. However, many are still having to haul water to their livestock, and are hopeful for future rains.

NEW YORK: Unusually mild, dry week. Light precipitation at mid week, weekend when a mixture of snow, sleet, freezing rain and rain fell. Temperatures well above normal. Cold air pushed in on the 29th. Extremes -12°; 57°.

Major activities: Grading, packing potatoes, onions, apples, tending livestock, spreading manure, winter chores.

NORTH CAROLINA: Mean temperature 43° at Asheville to 53° at Cape Hatteras. Rainfall trace at Cape Hatteras to 0.59 in. at Wilmington.

Days suitable for fieldwork 5.4. Soil moisture 79% adequate, 21% surplus. Crop conditions: wheat 21% fair, 79% good; oats 20% fair, 80% good; barley 25% fair, 75% good; rye 18% fair, 82% good; pasture feed 17% poor, 50% fair, 33% good; hay, roughage supplies 8% short, 77% adequate, 15% surplus; feed grains supplies 85% adequate, 15% surplus. Activities included: Preparing land. Other activities included: Tending livestock; equipment repair, general farm maintenance.

NORTH DAKOTA: Temperatures much above normal. Temperatures 12° above normal southwest to 18° above normal east central, southeast. Extremes 50° southwest, southeast; -10° north central.

Snowcover well below last year, average snow cover 3.7 in. compared to 5.0 in. last month, 11.0 in. last year. Snow cover sufficient to protect 64% winter wheat, 67% rye, 69% alfalfa.

Winter wheat 33% fair, 66% good, 1% excellent; rye 20% fair, 76% good, 4% excellent. Cattle 6% fair, 83% good, 11% excellent; sheep 4% fair, 89% good, 7% excellent. Hay, forage supplies 2% short, 88% adequate, 10% plentiful. Majority of cattle, sheep were receiving supplemental feeds. Cattle sales 8% below normal, 91% normal, 1% above normal. County, secondary roads were 97% open, 3% difficult, 0% closed. Road condition 4% drifted, 6% icy, 4% muddy, 86% dry.

OHIO: An Arctic air mass swept into Ohio during the weekend with light amounts of rain changing to snow. Accumulations were limited for protection of winter sown grains from the change to colder weather. Overall, conditions averaged warmer, drier than normal across State. Daily high temperatures upper 30s to lower 40s in north to the 40s in south, mostly 4 to 10° above normal. Lows 20s in the north to the upper 20s to lower 30s south, 6 to 11° above normal. Coldest in the teens to around 20° across State. Precipitation amounts, water equivalent, around 0.30 in. across the State. This was below normal by around 0.40 to 0.80 in.

Snow cover was mostly limited to less than 1 in. Soil temperatures at the 4-inch depth under bare ground were averaging in the mid to upper 30s across State. Limited fall plowing was done in gravelly soils. Wheat and rye conditions remain good. Milk production better than normal. Livestock remain in excellent condition with little feeding required due to unseasonably warm temperatures.

OKLAHOMA: Temperatures 1° above normal southwest to 5° above normal northeast. Precipitation 0.03 in. central to 0.41 in. southeast.

Wheat 13% excellent, 86% good, 1% fair. Topsoil 16% short, 80% adequate, 4% surplus. Subsoil 12% short, 18% adequate. Wheat acreage grazed 55%. Cattle marketings are mostly average with heavy marketings in central, southeast. Cattle death loss 43% below average, 56% average, 1% above average.

OREGON: Precipitation generally across State, plentiful, Coast 2.00 to 5.00 in., Willamette Valley 1.20 in., central, south east only trace amounts. Temperatures still above normal, generally 1 to 11° above normal, exception Burns, Redmond, Klamath Falls, Lakeview 2 to 6° below normal. Exceptionally high Coastal rainfall causing mud slides, flooding on northern coast.

Soil moisture adequate. Winter pruning continued, fruit orchards, grapes, berries. Supplemental feeding continued statewide.

PENNSYLVANIA: Unseasonable mild temperatures. Temperature 35°, 6° above normal. Extremes 5°; 58°. Precipitation 0.35 in., 0.34 in. below normal.

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

PUERTO RICO: Rainfall 0.54 in. was 0.36 in. below normal. Highest total rainfall 3.20 in. at Pico del Este-Luquillo, 1.42 in. at Rio Blanco Lower, 1.30 in. at Coamo 2S. Island temperatures 76 to 77° on the coasts, 71 to 73° interior with mean station temperature 80.6° at WSFO San Juan 65.8° at Pico del Este. Extremes 52°; 91°.

SOUTH CAROLINA: Rainfall continued above average, with 0.20 in. rainfall mostly on 31st, 1st. Temperatures 48.8°.

Farm activities: Few activities due to rainfall, holidays. Pasture, livestock remained good, with supplemental feeding moderate.

SOUTH DAKOTA: Temperatures 5 to 10° above normal. Extremes outside Black Hills -13°; 57°. Melted precipitation 0.10

to 0.30 in. Black Hills, extreme south; elsewhere, no precipitation. Heaviest melted precipitation 0.28 in., Custer.

Topsoil moisture 2% short, 94% adequate, 4% surplus. Subsoil moisture 28% short, 69% adequate, 3% surplus. Winter rye 14% fair, 72% good, 14% excellent. Winter wheat 5% fair, 66% good, 29% excellent. Feed supplies 91% adequate, 9% surplus. Stockwater supplies 10% short, 85% adequate, 5% surplus. Livestock condition 75% good, 25% excellent. Lack of snow cover on winter wheat becoming a concern over most of the State. Major farm activities: Routine chores, feeding livestock.

TENNESSEE: Temperatures 4 to 8° above normal. Extremes 22° Bristol, Crossville; 66° Chattanooga. Precipitation below normal across State. Rainfall less than 0.10 in. across State.

Wheat good condition. Feeding hay.

TEXAS: Upper level disturbances triggered rains over much of State at midweek, toward weekend. Some heavy rains were reported at midweek in east, south. Temperatures ran near to slightly below normal in most districts. Above normal readings were reported in Northern High Plains, South Central counties. Precipitation ran above normal statewide. Rainfall amounts were over an inch above normal in Coastal Bend, Upper Coast, South Texas areas.

Crops: Cotton: Under mostly open conditions in Plains harvest continued to push ahead. Light rain at middle of week hampered harvest activities in some areas of Plains. Wet conditions also slowed harvest completion in Cross Timbers; 97% harvested, 100% 1993. Peanuts: Open weather conditions during first of week allowed harvest to near completion. Few fields remained too wet to be harvested in Cross Timbers. Peanuts 99% harvested, 99% 1993. Small grains: Planting operations were virtually completed. Winter wheat, oats made good progress over most areas of the State. However, many fields were saturated by additional moisture received. Fields in Central Texas, Blacklands remained too wet to graze. Across Plains many fields continued to be dry and in need of moisture. Greenbugs continued to cause problems in Southern Low Plains, Cross Timbers. Winter wheat 72% normal, 62% 1993; 100% planted, 100% 1993; 98% emerged, 100% 1993. Oats 100% planted, 100% 1993.

Commercial Vegetables: Rio Grande Valley: Light rains, cooler temperatures caused minor delays to cabbage harvest. Citrus harvest remained active as weather conditions allowed. San Antonio-Winter Garden area: Harvest of broccoli, cabbage, spinach continued at slow pace. East Texas: Some cole crops were harvested at beginning of week. Land preparations were slowed by heavy rains, wet soils across most of area, preparations for onion planting began on limited basis. Trans Pecos area: Land preparation for spring planting continued. Harvest of red chile peppers continued. High Plains: Land preparations were active as open weather conditions prevailed. Pecan harvest activities continued to wind down across most of State. Cleanup operations continued as weather conditions allowed. Pecans 85% harvested, 89% 1993.

Range and Livestock: Livestock conditions remained good. Producers were increasing supplemental feeding due to wet weather. Across Central Texas, some stockers were being re-

moved from winter wheat, oat pastures due to boggy fields. In the Plains, pastures remained short, in critical need of moisture.

UTAH: Temperature maximums 2° above normal; minimums 12° above normal. Precipitation light to moderate across State.

Major activities: hauling manure, cleaning feedlots, feeding, caring for livestock, preparing taxes, repairing machinery.

VIRGINIA: Temperatures were above normal. Extremes 18°; 68°. Precipitation below normal.

Days suitable for fieldwork 5.5. Topsoil 36% short, 61% adequate, 3% surplus. Pasture feed 22% poor, 52% fair, 26% good. Livestock 22% fair, 77% good, 2% excellent. Small grain, grazing crop 26% fair, 72% good, 2% excellent. Forage from pastures, winter grazing crops dairy cattle 17%, beef cattle 27%, sheep 29%. Liming, plowing fields. Feeding livestock, fence repair, routine farm chores.

WASHINGTON: Temperatures 4° below to 5° above normal west; 2 to 9° above normal east. Precipitation 1.59 to 4.39 in. west; 0.01 to 1.17 in. east.

Days suitable for fieldwork 3.0. Soil moisture 35% short, 59% adequate, 6% surplus. Hay, other roughage supplies 1% very short, 10% short, 89% adequate. Range, pasture feed 35% very poor, 49% poor, 11% fair, 5% good. Winter wheat, dryland 9% very poor, 29% poor, 47% fair, 15% good; irrigated, 13% fair, 72% good, 15% excellent. Cold, dry weather stopped flooding on west side of State. Some flood damage reported. Winter wheat stands lacked snow cover.

WEST VIRGINIA: Temperature 38°. Extremes 16°; 61°. Precipitation 0.42 in.

Farm activities: Corn harvest virtually complete except for a few isolated fields. General farm maintenance, fence repair, tobacco stripping winding down, feeding, marketing livestock, preparing for lambing season, bookkeeping.

WISCONSIN: Temperature 27°. Extremes 1°; 54°. Precipitation trace. As of December 30: frost depth 1.8 in.; 8.8 in. 1994; 7.5 in. 33-yr avg. Snow depth .7 in.; 2.3 in. 1994; 6.0 in. 33-yr avg. Early in the week the temperatures were unseasonably high. As week progressed, snow began to fall with minimal accumulation.

Farming activity increased with the warm weather of the past week. Repair work, manure spreading were continued from last week. Daily chores consisted of milking, feeding cattle.

WYOMING: Temperatures 6 to 14° above normal for the State. Temperatures into 50s in the west. Nearly all areas received some precipitation last week. Central areas received the smallest amount. Eastern, southern portions received above normal precipitation. Moran received the largest amount with 0.37 in.

Topsoil moisture 71% adequate, 29% short. Subsoil moisture 75% adequate, 25% short. Winter wheat mostly fair. Southeast mostly fair, while the rest of the State mostly good condition. Snow cover depth across the State was 2.3 in. Snow cover was deepest across the south. Sheep, cattle condition mostly good. Even though some isolated areas reported short hay, roughage feed supplies, supplies were mostly adequate for the State.

December 1994

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

International Weather and Crop Summary
HIGHLIGHTS

December 25 - 31, 1994

FSU-WESTERN: A warming trend over most winter grain areas melted protective snow cover.

NORTHWESTERN AFRICA: Adverse dryness continued over winter grain areas in Morocco, while rainfall diminished in Algeria and Tunisia.

EUROPE: Significant rain fell across most of Europe, except for the chronically dry winter grain areas of Spain.

SOUTHEAST ASIA: Below-normal rainfall covered Java for the second week as irrigation demands increased for vegetative rice.

SOUTH AFRICA: Beneficial rain covered eastern corn and rainfed sugarcane areas, but many western corn areas remained unfavorably dry.

EASTERN ASIA: Winter wheat entered dormancy across the North China Plain.

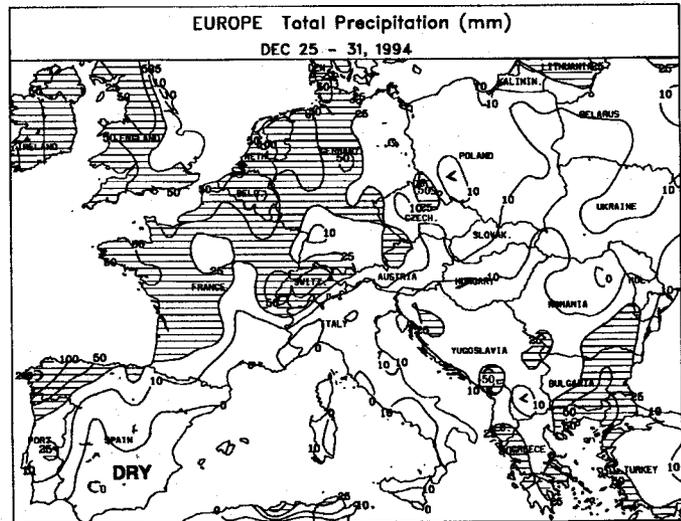
AUSTRALIA: Scattered light rain brought little relief to eastern summer crops.

SOUTH AMERICA: Widespread showers favored summer crop development across the region.

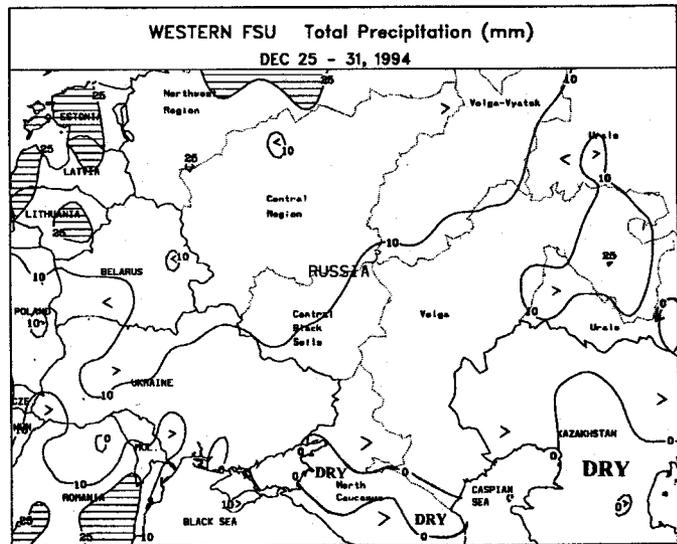
COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
		AVG MAX	AVG MIN	HI	LO	AVG	DPART F/NRM	TOTAL F/NRM	DPART
NORWAY	OSLO	0	-4	5	-11	-2	3.3	101	36
SWEDEN	STOCKHOLM	3	0	7	-7	2	2.9	43	-3
FINLAND	HELSINKI	1	-2	4	-12	-1	3.3	80	23
U KING	GLASGOW	8	3	13	-5	6	0.7	240	123
	EDINBURGH	8	3	14	-7	5	1.0	97	39
	BIRMINGHAM	9	4	15	-8	6	1.8	114	49
	LONDON	10	4	14	-5	7	1.3	140	61
IRELAND	DUBLIN	9	4	15	-1	7	0.8	83	7
ICELAND	REYKJAVIK	1	-3	9	-9	-1	-0.8	71	-8
DENMRK	COPENHAGEN	5	2	11	-3	4	1.4	77	28
LUXEMB	LUXEMBOURG	5	2	11	-5	4	2.7	81	1
SWITZL	ZURICH	5	2	13	-4	4	2.9	137	60
	GENEVA	7	3	14	-2	5	3.1	90	3
FRANCE	PARIS/ORLY	9	5	15	-3	7	***	54	**
	STRASBOURG	8	4	14	-2	6	4.0	40	-2
	BOURGES	9	5	17	-3	7	3.3	61	-2
	BORDEAUX	12	7	19	-1	9	3.2	98	0
	TOULOUSE	11	6	18	-1	8	2.7	36	-19
	MARSEILLE	13	6	19	-2	9	2.3	9	-45
SPAIN	VALLADOLID	10	3	16	-3	6	2.2	13	-28
	MADRID	11	1	19	-8	6	0.7	5	-41
	SEVILLE	17	7	24	-3	12	0.9	18	-67
PORTUG	LISBON	16	10	19	1	13	1.4	39	-65
GERMNY	HAMBURG	6	3	13	-5	4	2.5	115	42
	BERLIN	6	2	13	-3	4	2.6	56	2
	DUSSELDORF	8	4	14	-7	6	2.7	77	19
	LEIPZIG	6	2	14	-4	4	2.9	34	-4
	DRESDEN	6	2	13	-4	4	3.5	45	8
	STUTTGART	7	3	13	-5	5	4.0	20	-27
	NURNBERG	6	2	13	-5	4	3.4	54	2
AUSTRI	VIENNA	4	0	14	-7	2	1.1	27	-10
	INNSBRUCK	3	-2	9	-8	1	1.6	58	8
CZECH	PRAGUE	4	0	13	-6	2	2.3	43	19
POLAND	WARSAW	2	-1	12	-8	1	1.4	65	32
	LODZ	3	-1	12	-9	1	2.2	69	27
	KATOWICE	3	-1	12	-9	1	2.1	59	15
	PRZEMYSL	2	-2	9	-11	0	0.9	51	11
HUNGAR	BUDAPEST	4	-1	14	-7	2	1.4	11	-29
F YUGO	BELGRADE	7	1	15	-6	4	1.6	40	-19
ROMANI	BUCHAREST	4	-2	16	-9	1	0.5	65	19
BULGAR	SOFIA	4	-2	14	-8	1	0.5	25	-25
ITALY	MILAN	8	3	11	-4	5	3.2	30	-26
	VERONA	8	3	12	-2	6	2.8	35	-16
	VENICE	8	3	13	-2	6	2.5	16	-34
	GENOA	13	9	19	3	11	1.9	47	-60
	ROME	15	6	19	0	10	1.2	44	-46
	NAPLES	14	7	19	1	10	1.0	80	-37
GREECE	THESSALONIKA	11	3	18	-5	7	0.4	48	-8
	LARISSA	11	0	15	-6	5	-0.9	55	0
	ATHENS	14	8	18	3	11	-0.8	103	37
TURKEY	ISTANBUL	9	5	14	-1	7	-1.0	81	-10
	ANKARA	2	-4	10	-16	-1	-3.0	32	3
CYPRUS	LARNACA	17	8	19	3	12	-1.6	39	-64
ESTONI	TALLINN	1	-2	6	-11	0	2.5	60	6
FSU	ST. PETERSBERG	-1	-5	6	-19	-3	1.6	32	-15
LITHUA	KALINAS	0	-3	9	-11	-1	1.0	61	16
FSU	MINSK	-2	-6	9	-20	-4	0.0	46	-2
	KAZAN	-8	-12	6	-27	-10	-1.2	20	-16
	MOSCOW	-6	-10	4	-27	-8	-2.2	47	-3
	YEKATERINBURG	-11	-16	5	-27	-14	-3.2	35	13
	CHMSK	-14	-19	-4	-32	-16	-2.2	31	11
	KUSTANAY	-11	-18	1	-30	-15	-2.4	25	5
	KRASNOYARSK	**	**	-8	**	**	***	**	**
	NOVOSIBIRSK	-12	-17	-2	-29	-15	1.7	38	15
	BARNAUL	-9	-15	1	-32	-12	1.3	30	1
	KHABAROVSK	-16	-23	-5	-34	-19	-1.8	12	-7
	VLADIVOSTOK	-6	-11	6	-20	-9	0.8	13	-2
	KIEV	-2	-6	7	-21	-4	-1.5	43	-1
	LVOV	1	-3	10	-11	-1	0.8	65	13
	KIROVOGRAD	-2	-6	6	-17	-4	-1.5	32	-6

Based on Preliminary Reports

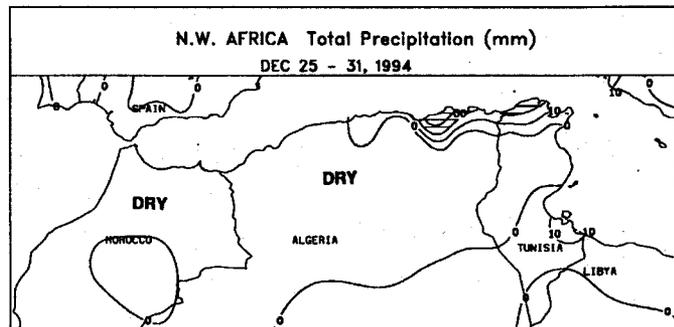
EUROPE: Widespread precipitation (20-25 mm) covered northwestern Europe, with 50-100 mm or more soaking coastal regions from extreme northwestern Spain to northern Germany. Chronically dry winter grain areas of Spain missed any significant rainfall, hampering winter grain establishment. Dry weather also prevailed over Italy's Po Valley, but soil moisture was mostly adequate for winter grains. Variable amounts of precipitation fell in eastern Europe. In Poland, 10-25 mm fell over the western two-thirds of the country while 1-9 mm dampened the east. Light moisture (less than 5 mm) fell in northern Hungary and much of northern Romania. Locally heavy precipitation (25-80 mm) soaked eastern Bulgaria and scattered areas of Greece. Temperatures generally averaged 2-5 degrees C above normal across Europe, except the Mediterranean region, where more seasonable temperatures prevailed.

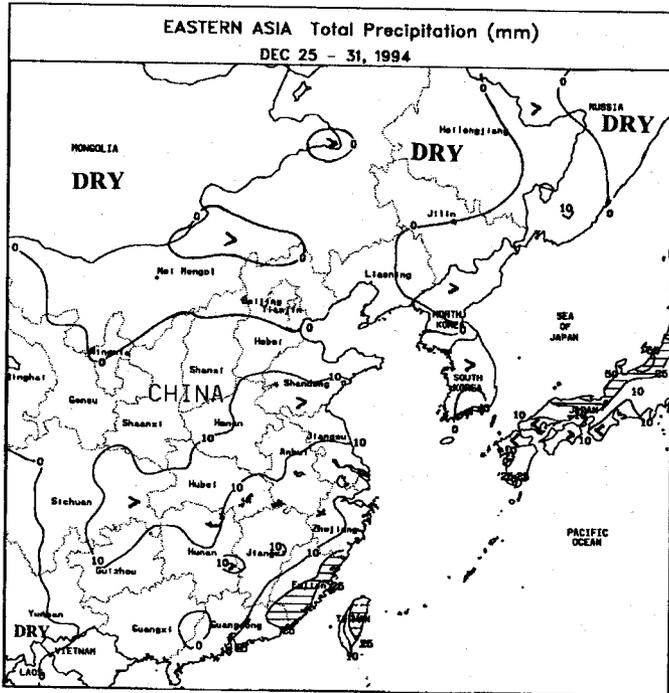


FSU-WESTERN: A westerly flow of air from Europe brought milder weather to most winter grain areas. By week's end, maximum temperatures rose above freezing over most areas with daytime highs ranging from 5-11 degrees Celsius (C) over Ukraine, the North Caucasus region in Russia, the Baltic States, and Belarus, melting protective snow cover. Maximum temperatures over remaining areas in Russia ranged from 2-4 degrees C. Widespread precipitation covered the region. The greatest amounts of moisture (10-27 mm) fell over northern Russia, the Baltic States, and Belarus, where snow changed to rain during the week.

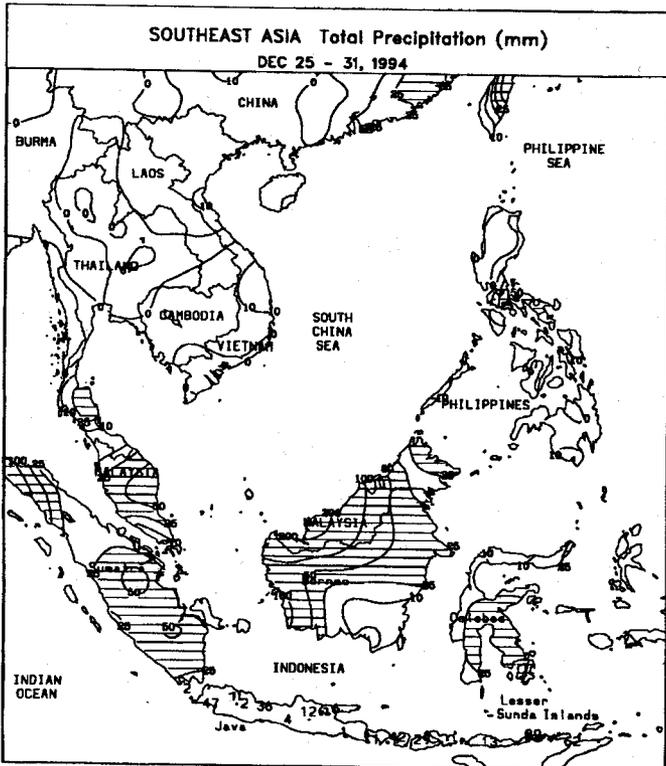


NORTHWESTERN AFRICA: Mostly dry weather continued over winter grain areas in Morocco and western Algeria. The dryness in these areas has persisted since early November, adversely affecting winter grain emergence and early crop development. Rain is needed soon to halt further deterioration in crop prospects. Farther east, beneficial showers (10-25 mm) continued over coastal winter grain areas in eastern Algeria and Tunisia. Mostly dry weather covered crop areas farther inland, where soil moisture remained limited for normal winter grain development.



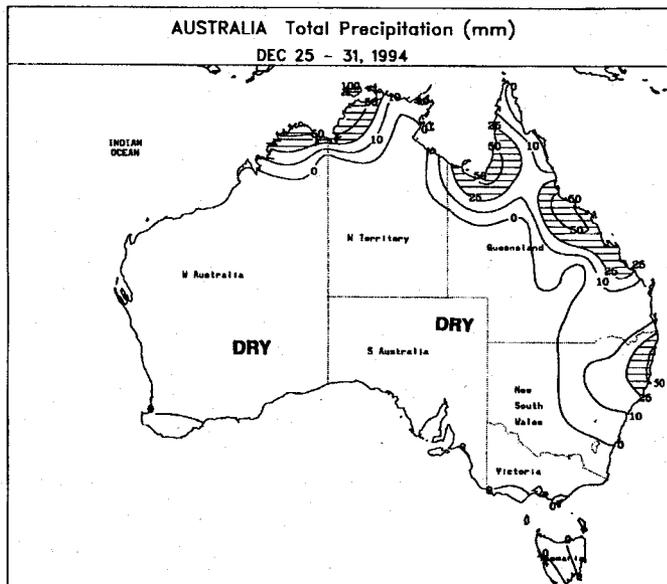


EASTERN ASIA: Light precipitation (5-15 mm), which fell mostly as rain, covered the North China Plain, increasing irrigation supplies for winter wheat. Wheat has entered dormancy across the northern and central sections of the wheat belt, as weekly average temperatures remained below 5 degrees C.

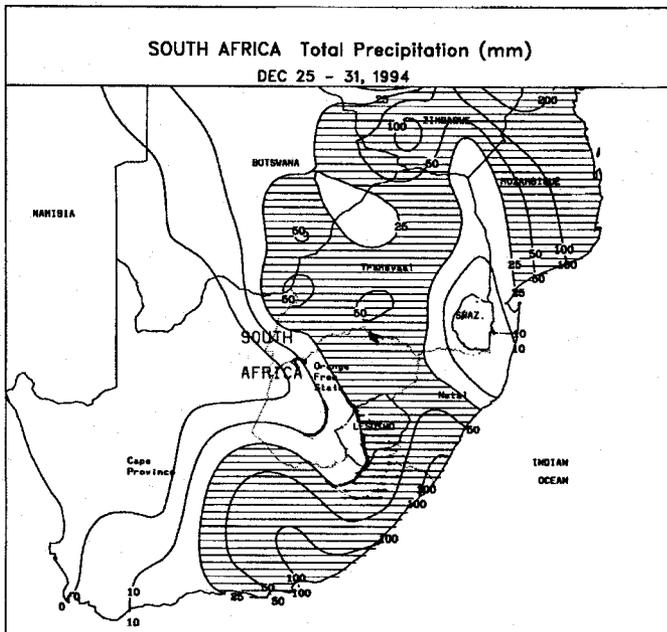


SOUTHEAST ASIA: Rainfall was below normal for the second week across Java as irrigation demands increased for vegetative rice. Only a few locations across southern Indonesia reported more than 50 mm. Farther north, heavy showers (94-247 mm) persisted in eastern Malaysia, but rainfall ranged from 34-74 mm over western Malaysia's main oil palm areas. Mostly dry, warmer-than-normal weather favored rice growth in Vietnam following last week's rain. Mostly dry weather throughout the Philippines brought some relief to central crop areas hit by Typhoon Axel last week.

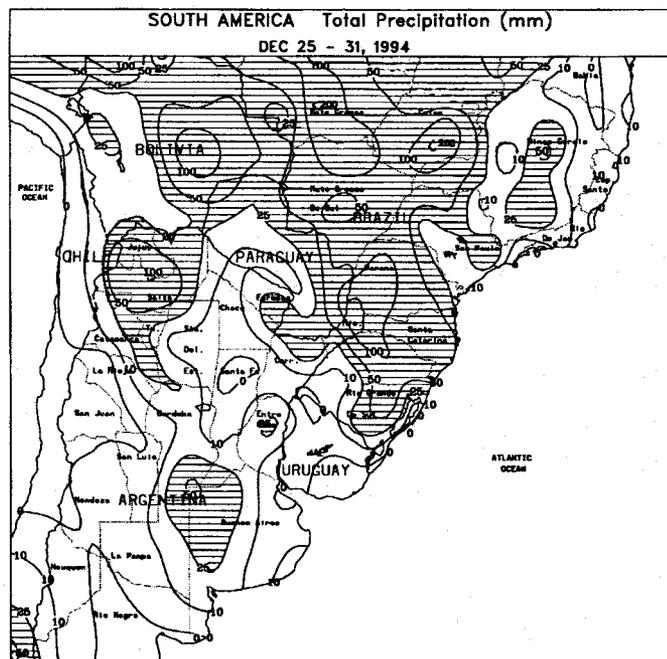
AUSTRALIA: Scattered, light early-week rain (2-10 mm) fell across the eastern summer crop areas, bringing little relief to drought-stressed crops. While weekly temperatures averaged near normal across the east, maximum temperatures ranged from 35-40 degrees C in southern Queensland by week's end, further stressing crops. Despite the continuing drought, rain within the next 2-3 weeks can still stabilize rainfed sorghum and cotton yield prospects. Light to moderate rain (10-50 mm) aided newly-planted sugarcane across the northeast coast of Queensland.



SOUTH AFRICA: A slow-moving storm brought beneficial, moderate to heavy rain (25-50 mm or more) to the eastern corn belt. Needed rain also covered crop areas of Eastern Cape and southern Kwazulu-Natal, providing rainfed sugarcane areas with their heaviest weekly rainfall of the season (50-135 mm). In western corn areas, moderate rain (10-25 mm) boosted topsoil moisture in corn areas of North West Province. However, in drought-stricken western and southern Orange Free State, rainfall averaged less than 10 mm. Orange Free State historically produces about 30 percent of the total corn crop. Temperatures averaged near normal, but highs reached the upper 30's on the western fringe of the corn belt.



SOUTH AMERICA: Across the region, rainfall has been adequate to abundant for soybean development, especially in southern Brazil. In Argentina, light to moderate rain (7-40 mm, with isolated amounts greater than 50 mm) fell across the main summer crop areas, favoring reproductive corn and vegetative soybeans. However, the rains slowed wheat harvesting, which is about 60-70 percent complete. Corn planting is nearly complete and more than 80 percent of the soybeans have been planted. Light to moderate rain (5-30 mm) fell across the northern cotton areas. In southern Brazil and Paraguay, widespread moderate to heavy showers (40-125 mm) covered the primary soybean areas, aiding vegetative to early reproductive soybeans. Beneficial showers (10-50 mm) continued to favor coffee, citrus and sugarcane across Sao Paulo and southern Minas Gerais. Temperatures averaged 2-4 degrees C above normal throughout the region.



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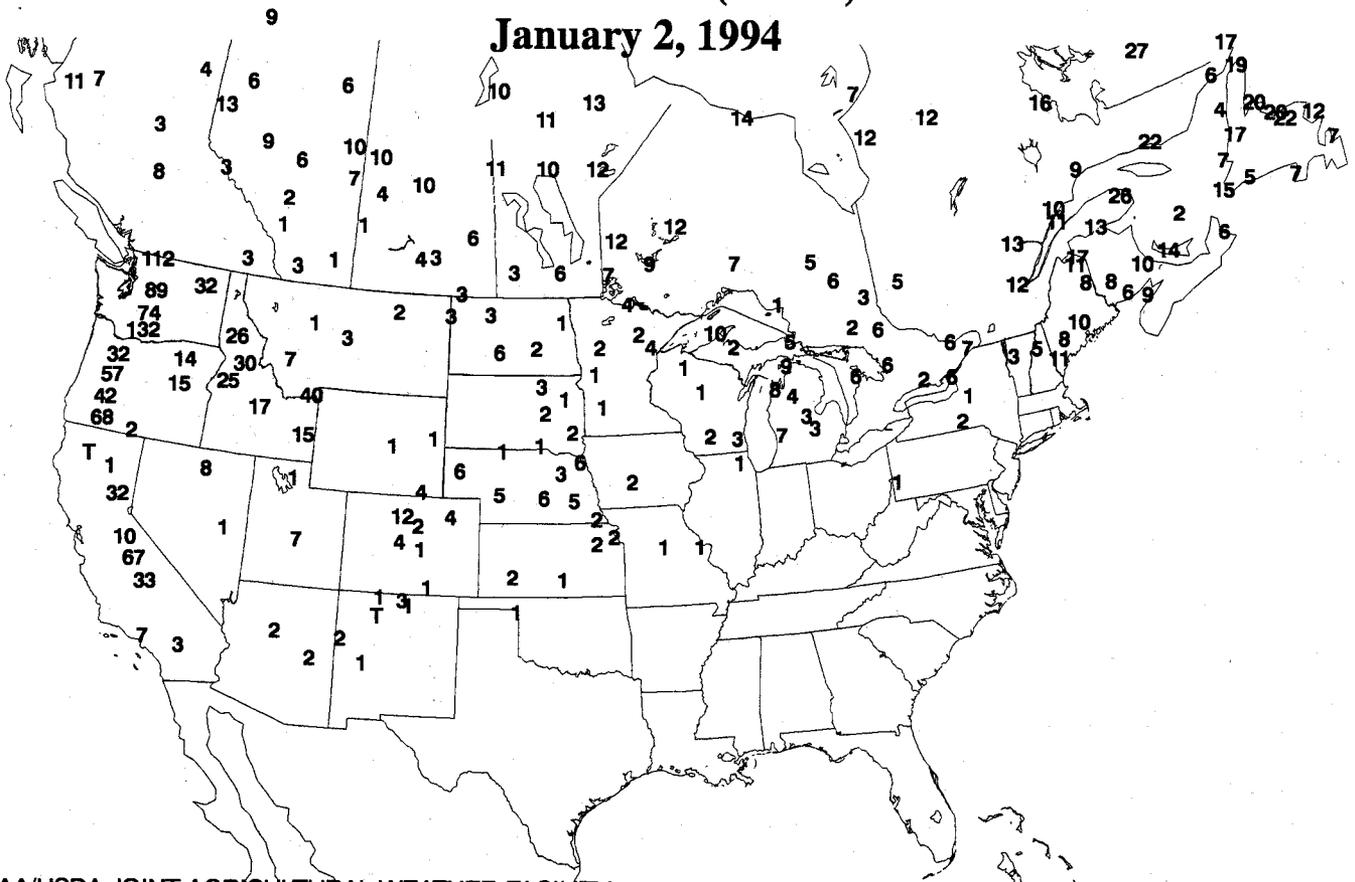
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