

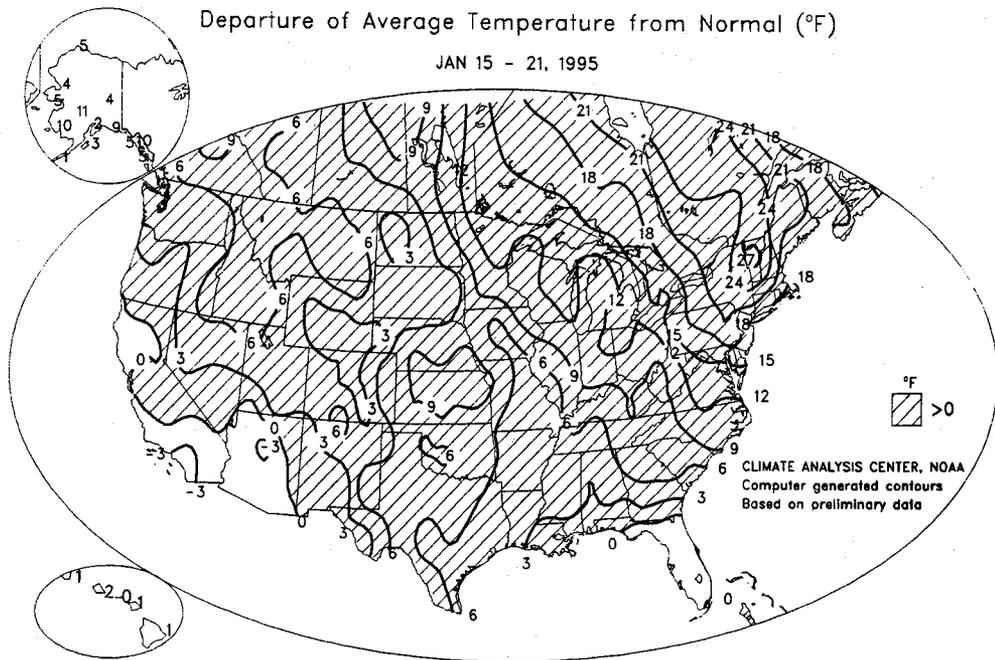
(Continued from front cover)
by 16°F. A day later, **Providence, RI** bagged its fifth consecutive daily-record high. A dose of warmth also covered the High Plains, where **Liberal, KS** tied a daily record on Monday with 72°F. Favorably cooler weather overspread winter wheat areas of the **central and southern Plains** and the **lower Ohio Valley** after midweek. Winter wheat areas of the **Pacific Northwest** were briefly covered by up to 2 inches of snow at midweek, but heavier precipitation was confined to areas west of the **Cascades**, where **Quillayute, WA** measured 3.20 inches of rain.

Snowmelt and heavy rain caused flooding in **northern New England**. **Caribou** saw 25 inches of its 35-inch snow cover disappear during the 48-hour period ending on Tuesday morning. In addition, 2.35 inches of precipitation fell on January 16-17, including a January single-day record of 1.58 inches on Monday. Meanwhile, heavy snow blanketed a swath from **Utah to North Dakota**. In the **Wasatch Range at Alta, UT** (elevation 8,600 feet), 99.7 inches of snow (liquid equivalent of 6.11 inches) fell in less than 72 hours on January 15-17. **Williston, ND** set January 24-hour records for snowfall (12.6 inches) and precipitation (0.77 inches) on January 15-16. The storm covered formerly bare ground with 11 inches of snow in **Red Lodge, MT** and 8 inches in **Chadron, NE**. Cold air trailed the system, dropping the temperature at **Flagstaff, AZ** to a daily record of -8°F on Wednesday.

By midweek, heavy rain blossomed in conjunction with a developing storm in the **western Gulf Coast States**. **Tupelo, MS** set a rainfall record for January 18 with 1.63 inches. A storm total of 2.62 inches soaked **Shreveport, LA**. A dozen tornadoes swept across the **Southeastern States**, including six in **Louisiana** on Wednesday and four in **Georgia** on Thursday. Farther north, a stripe of heavy snow buried areas from **eastern Oklahoma** to **southern Wisconsin**. With 19.7 inches on January 18-19, **Columbia, MO** endured its heaviest 24-hour snowfall on record. **Madison, WI** set a January single-day snowfall record with 12.6 inches on Thursday. Other storm totals included 15.1 inches in **Moline, IL**, 14.4 inches in **Springfield, MO**, and 1.8 inches in **Lubbock, TX**. Toward week's end, the system lifted into the **Northeast** and stalled, delivering additional heavy rain and introducing lake-enhanced snow. Daily-record rainfall records were set on Friday in **Wilmington, DE** (1.39 inches) and **New York (Central Park), NY** (1.35 inches). By week's end, snow accumulated to a depth of 10 inches in **Mansfield, OH** and 8 inches in **Flint, MI**. Although cooler air gradually swirled into the **Northeast**, **Albany, NY** ended the week with a 9-day freeze-free streak intact.

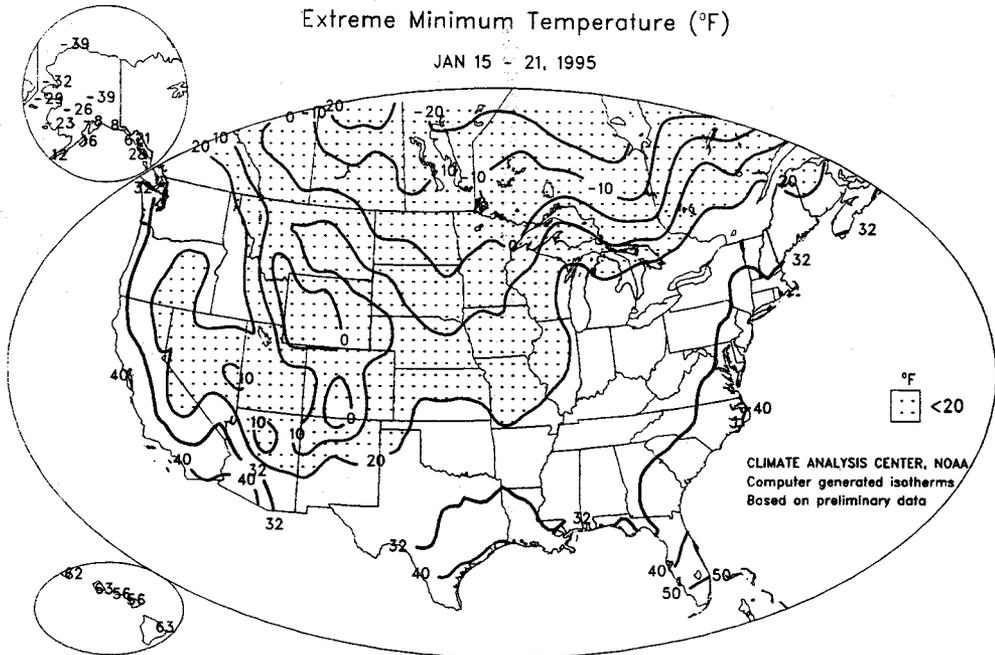
Departure of Average Temperature from Normal (°F)

JAN 15 - 21, 1995



Extreme Minimum Temperature (°F)

JAN 15 - 21, 1995



Yet another storm emerged from the **Southwest** on Saturday, spreading snow across **Texas' northern panhandle** and **Oklahoma**. By Sunday morning, snow depths included 4 inches in **Dalhart, TX** and 3 inches in **Enid, OK**. **McAlester, OK** received its second significant snowfall in 4 days.

Outside of the contiguous United States, only light rain fell in **Hawaii**, prolonging the 3-month dry spell in most areas. Warmth overtook **Puerto Rico**, where **San Juan** logged a daily record of 91°F on Saturday. Across **southern Alaska**, weekly temperatures averaged up to 10°F above normal.

CORRECTION: In last week's text, Sacramento's 24-hour rainfall of 4.45 inches was incorrectly noted as an all-time record. It was, however, a 24-hour record for January.

National Weather Data for Selected Cities

Weather Data for the Week Ending January 21, 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
													.01 INCH OR MORE				.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	55	36	63	28	45	4	.5	.7	.5	5.8	67	1.6	46	89	61	0	2	1	0
AL MOBILE	62	40	72	30	51	2	.4	.5	.3	6.7	79	3.7	115	92	48	0	1	2	0
AL MONTGOMERY	58	38	67	31	48	4	.4	.7	.3	6.6	78	2.1	64	89	55	0	1	1	0
AK ANCHORAGE	24	10	32	-8	17	2	.1	.1	.1	1.6	96	.1	15	90	78	0	7	2	0
AK BARRON	0	-17	6	-39	-9	5	.5	.0	.2	.2	75	.7	0	83	75	0	7	0	0
AK FAIRBANKS	4	-16	14	-39	-6	4	.4	.1	.6	.6	49	.1	29	83	77	0	7	0	0
AK JUNEAU	38	29	46	21	33	9	.4	.1	.3	3.5	47	.7	0	95	77	0	4	0	0
AK KODIAK	38	27	41	16	32	3	1.1	.6	.6	13.4	112	4.9	96	94	78	0	5	6	1
AK NOME	21	4	33	-29	12	5	.5	.3	.2	2.9	205	1.1	198	91	73	0	7	4	4
AZ PHOENIX	59	43	65	38	51	3	.1	.1	.1	2.9	292	1.2	262	77	26	0	0	1	0
AZ PRESCOTT	44	25	51	17	35	1	.1	.2	.2	4.3	295	1.2	262	77	26	0	0	0	0
AZ TUCSON	60	37	69	31	49	3	.2	.0	.1	1.6	55	.1	10	79	43	0	2	2	0
AZ YUMA	64	47	66	42	55	1	.1	.1	.1	4.9	292	1.2	195	74	26	0	0	0	0
AR FORT SMITH	52	34	59	29	43	6	.5	.1	.3	2.7	379	1.5	604	73	25	0	3	1	1
AR LITTLE ROCK	51	35	57	30	43	4	1.9	1.2	1.0	7.0	103	2.9	140	83	55	0	1	3	2
CA BAKERSFIELD	57	40	62	35	49	1	.4	.2	.3	2.5	215	1.2	218	72	34	0	0	3	0
CA FRESNO	55	42	62	37	48	0	.4	.2	.2	15.1	148	8.1	195	86	54	0	4	6	0
CA FRESNO	56	39	61	33	48	2	.7	.2	.4	5.1	187	3.8	288	96	39	0	0	3	0
CA LOS ANGELES	61	47	65	44	54	3	.2	.4	.1	10.6	328	9.5	606	77	26	0	0	3	0
CA REDDING	52	37	59	31	44	2	.2	.3	.1	20.5	210	15.0	359	98	62	0	2	4	0
CA SACRAMENTO	54	40	59	35	47	2	.2	.2	.1	...	...	...	99	67	0	0	0	0	0
CA SAN DIEGO	61	48	63	43	54	3	.8	.4	.4	6.5	228	5.7	457	87	26	0	0	4	4
CA SAN FRANCISCO	53	42	55	38	48	1	1.2	.6	.6	9.5	156	7.0	236	94	48	0	0	1	1
CO DENVER	47	22	64	14	34	5	.0	.1	.3	...	31	.7	0	84	30	0	6	0	0
CO GRAND JUNCTION	41	23	53	16	32	5	.2	.1	1.0	1.0	100	.4	114	87	56	0	3	3	0
CO FURBIO	48	12	68	-4	30	0	.1	.1	.1	...	40	.7	12	84	33	0	7	0	0
CT BRIDGEPORT	49	42	61	36	46	17	1.3	.6	1.2	6.0	104	2.2	100	95	79	0	0	2	1
CT HARTFORD	49	39	63	34	44	20	1.1	.3	.9	8.2	131	2.8	119	96	79	0	0	4	1
DC WASHINGTON	52	43	65	34	47	13	1.7	1.1	.9	5.3	106	2.9	157	90	67	0	0	3	1
FL PANAMA CITY	59	43	64	38	51	1	.6	.6	.6	4.0	49	1.0	28	90	61	0	0	1	1
FL DAYTONA BEACH	66	45	73	40	56	2	.3	.4	.3	3.9	89	1.2	65	93	51	0	0	1	0
FL JACKSONVILLE	63	43	70	34	53	1	.5	.2	.4	5.4	109	1.4	70	91	57	0	0	2	0
FL KEY WEST	74	62	79	55	68	2	.0	.5	.0	7.6	223	3.1	222	84	57	0	0	0	0
FL MIAMI	73	59	78	54	66	1	.1	.4	.1	7.7	240	2.7	202	88	48	0	0	2	0
FL ORLANDO	67	48	76	44	57	2	.2	.3	.2	3.8	105	.8	54	96	63	0	0	1	0
FL TALLAHASSEE	62	37	68	27	49	1	.5	.6	.3	4.7	57	2.0	61	92	58	0	2	2	0
FL TAMPA	66	49	74	44	58	2	.6	.1	.6	4.4	127	2.8	220	93	67	0	0	1	1
FL WEST PALM BEACH	72	55	77	49	63	3	.7	.6	.7	3.8	96	1.6	101	92	52	0	0	0	0
GA ATLANTA	58	39	64	31	49	8	.4	.7	.4	3.6	47	2.0	62	91	54	0	1	1	0
GA AUGUSTA	62	40	67	34	51	7	.3	.6	.2	5.1	84	2.2	80	89	52	0	0	2	0
GA MACON	61	39	66	31	50	5	.2	.8	.2	4.0	55	1.3	42	90	48	0	1	1	0
GA SAVANNAH	63	44	68	38	54	5	.6	.2	.6	6.7	124	2.3	92	89	53	0	0	2	1
HI HONOLOULU	80	65	83	63	73	1	1.9	.3	1.0	10.3	55	4.3	63	91	63	0	0	3	2
HI HONOLOULU	82	67	84	63	75	2	.1	.7	.1	.3	4	.1	4	82	56	0	0	1	0
HI KAHULUI	82	63	84	56	72	1	.7	.0	.6	10	.3	.9	80	52	0	0	0	0	0
HI LIHUE	78	67	79	62	72	1	.3	.3	1.3	14	1.3	30	77	59	0	0	1	0	0
ID BOISE	42	30	47	23	36	7	.1	.2	.1	3.3	142	1.5	153	90	47	0	4	2	0
ID LEWISTON	40	32	46	27	36	3	.7	.3	.7	1.2	57	.2	17	90	68	0	4	0	0
ID POCAHELLO	36	24	39	11	30	6	.1	.1	.1	2.4	132	1.2	158	88	70	0	7	4	0
IL CHICAGO	36	28	43	21	32	12	.9	.5	.8	4.2	117	2.9	261	93	71	0	7	2	1
IL MOLINE	33	24	50	17	29	9	2.1	1.7	2.1	5.0	149	3.3	294	87	71	0	7	2	1
IL PEORIA	34	26	45	17	30	9	.9	.5	.8	4.8	136	2.6	238	91	74	0	7	3	1
IL QUINCY	33	23	52	14	28	5	.1	.2	.1	3.4	104	2.0	200	96	75	0	7	2	0
IL ROCKFORD	32	25	40	19	29	11	.4	.1	.3	2.6	88	1.4	145	96	78	0	7	2	0
IL SPRINGFIELD	35	28	46	19	32	8	1.2	.9	.8	5.4	141	3.4	310	92	76	0	6	2	1
IN EVANSVILLE	43	34	54	23	39	7	.8	.1	.4	4.5	77	1.9	93	93	73	0	2	4	0
IN FORT WAYNE	39	30	45	20	35	12	1.5	1.1	.7	4.3	102	2.0	153	94	85	0	5	5	2
IN INDIANAPOLIS	41	31	52	21	36	11	.9	.4	.4	3.6	72	1.9	118	93	78	0	5	6	0
IN SOUTH BEND	39	29	43	20	34	11	.8	.3	.6	4.4	89	1.8	115	93	77	0	5	2	1
IA DES MOINES	32	18	41	12	25	5	.7	.2	.7	3.0	147	.6	85	90	68	0	7	1	0
IA SIOUX CITY	31	19	39	12	25	7	.7	.1	.7	1.1	97	.1	26	90	75	0	6	1	0
IA WATERLOO	29	17	37	9	23	9	.2	.1	.2	1.7	91	.4	62	90	73	0	7	1	0
KS CONCORDIA	45	25	53	17	35	9	.7	.1	.7	1.3	106	.1	27	88	53	0	6	0	0
KS DODGE CITY	51	25	64	21	38	8	.7	.1	.7	1.0	100	.1	15	84	38	0	7	0	0
KS GOODLAND	50	22	66	12	36	7	.7	.1	.7	.4	64	.7	0	87	42	0	7	0	0
KS TOPEKA	45	26	55	18	36	9	.1	.1	.1	1.7	81	.2	27	88	51	0	6	1	0
KS WICHITA	48	28	57	21	38	8	.7	.2	.7	1.0	53	.7	0	85	48	0	6	0	0
KY BOWLING GREEN	46	32	60	26	39	6	.4	.4	.2	4.2	55	1.9	71	97	77	0	3	2	0
KY LEKINGTON	45	32	59	21	39	8	.8	.1	.4	7.1	119	3.3	164	95	78	0	3	3	0
KY LOUISVILLE	45	34	59	24	39	8	.1	.5	.1	5.2	93	2.3	116	97	77	0	2	1	0
LA BATON ROUGE	63	39	72	33	51	1	.0	1.1	.0	4.1	46	1.1	33	94	52	0	0	0	0
LA LAKE CHARLES	67	43	73	38	55	5	.3	.7	.3	8.9	108	1.9	60	90	45	0	0	1	0
LA NEW ORLEANS	62	39	74	32	51	0	1.2	.0	1.2	6.6	72	2.0	57	92	48	0	1	2	1
LA SHERBOURNE	61	38	66	32	49	5	2.6	1.7	1.9	11.9	154	3.9	134	88	45	0	1	2	2

Based on 1961-90 normals.

Weather Data for the Week Ending January 21, 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	TEMP. °F		PRECIP.
													.01 INCH OR MORE							.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
ME CARIBOU	37	27	53	18	32	24	2.9	2.4	1.8	8.0	162	5.0	289	96	80	0	0	6	4	2	1	
PORTLAND	44	36	54	31	40	20	1.6	.9	1.3	10.3	147	4.2	170	98	88	0	0	3	3	3	1	
MD BALTIMORE	52	43	63	34	48	16	1.3	.6	.9	4.3	78	2.3	110	87	68	0	0	0	0	4	1	
SALISBURY	56	44	69	38	50	16	1.6	.8	1.0	3.3	53	1.7	67	92	71	0	0	0	0	3	1	
MA BOSTON	51	41	66	33	46	18	1.6	.8	1.2	9.6	148	4.3	173	99	86	0	0	0	0	7	1	
CHATHAM	50	43	56	38	46	16	1.6	.8	1.2	2.0	28	.3	12	97	80	0	0	0	0	2	0	
MI ALPENA	35	24	41	15	29	12	.3	.0	.3	2.0	28	.3	12	97	80	0	0	0	0	2	0	
DETROIT	39	31	52	25	35	12	.3	.0	.2	1.8	57	1.4	121	95	80	0	0	7	2	0	0	
FLINT	36	30	40	26	33	13	1.0	.6	.7	4.5	111	2.1	167	94	82	0	0	4	4	1	1	
GRAND RAPIDS	37	30	42	26	33	11	1.2	.9	.5	3.5	114	1.8	181	98	86	0	0	5	5	0	0	
HOUGHTON LAKE	33	24	44	20	29	12	1.0	.6	.6	3.7	89	2.6	194	93	76	0	0	5	3	1	1	
LANSING	36	30	42	26	33	12	.4	.1	.3	2.4	79	1.9	173	93	80	0	0	7	3	0	0	
MARQUETTE	28	20	35	15	24	12	1.3	1.0	.8	3.2	105	1.7	161	98	85	0	0	5	4	1	1	
MUSKOGON	37	29	44	26	33	10	1.0	.5	.5	1.7	42	1.4	88	94	77	0	0	7	3	0	0	
SAULT ST. MARIE	31	21	36	11	26	13	.3	.2	.2	3.4	71	2.4	138	93	75	0	0	7	2	0	0	
MN ALEXANDRIA	22	8	34	2	15	8	.3	.2	.2	2.8	61	2.2	130	92	68	0	0	7	3	0	0	
DULUTH	24	10	34	-4	17	10	.2	.1	.2	.8	58	.4	65	93	75	0	0	7	1	0	0	
INT'L FALLS	23	9	33	-2	16	16	.5	.3	.4	1.7	80	1.4	159	88	72	0	0	7	2	0	0	
MIDNAPOLIS	29	16	37	12	22	11	.1	.1	.1	1.6	112	1.0	155	89	76	0	0	7	5	0	0	
ROCHESTER	27	15	35	11	21	10	.1	.1	.1	.8	48	.3	45	87	64	0	0	7	3	0	0	
MS GREENWOOD	57	37	65	30	47	5	.2	.0	.2	1.0	61	.3	58	90	78	0	0	7	2	0	0	
JACKSON	57	37	70	29	47	5	1.8	.7	1.8	4.4	47	1.8	53	94	53	0	0	2	2	1	1	
MERIDIAN	58	38	66	29	48	3	.4	.8	.4	4.1	41	.8	21	89	55	0	0	2	1	0	0	
MO CAMPE GIRARDEAU	42	31	53	24	37	5	.3	.8	.3	9.4	98	2.5	71	90	56	0	0	1	1	0	0	
COLOSIA	36	24	53	17	30	4	2.1	1.5	1.1	5.6	86	3.3	161	93	77	0	0	5	3	2	2	
KANSAS CITY	42	24	54	16	33	8	1.9	1.6	1.7	4.6	125	3.7	349	91	69	0	0	7	2	1	1	
SAINT LOUIS	36	28	47	20	32	3	1.0	.6	.5	1.9	82	.2	19	87	52	0	0	7	2	0	0	
SPRINGFIELD	44	27	55	15	35	3	1.0	.6	.5	5.3	122	3.8	291	92	75	0	0	5	3	1	1	
MT BILLINGS	39	24	46	18	31	5	1.0	.6	.6	4.5	115	3.4	282	91	61	0	0	5	2	1	1	
GLASGOW	21	9	25	3	15	9	.1	.1	.1	.3	24	.1	15	78	53	0	0	7	2	0	0	
GREAT FALLS	39	18	47	10	28	7	.1	.1	.1	.1	20	.1	0	93	77	0	0	7	0	0	0	
HAVRE	29	13	39	4	21	7	.1	.1	.1	.2	13	.1	3	87	46	0	0	7	0	0	0	
HELENA	37	19	46	4	28	8	.0	.0	.0	.1	8	.1	0	90	76	0	0	7	0	0	0	
KALISPELL	35	24	41	18	29	9	.1	.1	.1	.1	8	.1	0	89	61	0	0	7	0	0	0	
MILES CITY	32	15	49	12	25	10	.1	.1	.0	.1	12	.1	18	92	71	0	0	7	3	0	0	
MISSOULA	36	25	44	16	31	8	.1	.1	.1	1.1	52	.5	55	94	72	0	0	7	0	0	0	
NE GRAND ISLAND	40	21	48	14	31	9	.1	.1	.1	.7	62	.1	18	93	65	0	0	7	1	0	0	
LINCOLN	41	21	51	13	31	10	.1	.0	.1	1.3	106	.3	73	94	55	0	0	6	1	0	0	
NORFOLK	34	18	44	10	26	7	.2	.1	.1	1.4	128	.4	109	91	71	0	0	7	3	0	0	
NORTH PLATTE	43	18	53	14	31	9	.1	.1	.1	.7	93	.1	0	91	47	0	0	7	0	0	0	
OMAHA	38	21	46	13	29	8	.1	.1	.1	1.2	79	.1	0	89	63	0	0	6	0	0	0	
SCOTTSBLOFF	39	12	63	0	26	1	.7	.6	.7	1.7	188	.8	230	95	57	0	0	7	1	1	1	
VALENTINE	38	15	58	10	27	4	.1	.1	.1	.6	81	.1	0	85	54	0	0	7	0	0	0	
NV ELI	31	3	40	-7	17	-7	.7	.6	.7	1.5	120	.8	164	91	72	0	0	7	1	1	1	
LAS VEGAS	55	38	58	34	47	1	.1	.0	.1	3.1	439	2.0	600	74	31	0	0	0	2	0	0	
RENO	43	28	49	23	36	3	.1	.2	.1	2.9	171	2.8	376	84	48	0	0	7	1	0	0	
WISNEVICCA	42	27	47	18	34	5	.1	.2	.1	1.5	106	1.0	188	89	51	0	0	7	0	0	0	
NE CORCORD	47	38	63	31	43	24	.8	.3	.6	5.5	113	1.3	77	99	72	0	0	3	3	1	1	
NJ ATLANTIC CITY	54	42	66	31	48	17	.5	.3	.3	4.0	70	1.8	76	99	70	0	0	1	3	0	0	
NM ALBUQUERQUE	47	29	53	22	38	4	.1	.1	.1	1.1	133	.5	142	70	33	0	0	4	0	0	0	
CLOVIS	56	30	68	21	43	6	.1	.1	.1	.4	49	.1	0	71	24	0	0	4	0	0	0	
ROSWELL	60	32	78	23	46	7	.1	.1	.1	.1	.1	.1	.1	54	22	0	0	4	0	0	0	
NY ALBANY	50	40	65	34	45	25	1.1	.5	.8	4.5	99	1.9	118	96	81	0	0	0	4	1	1	
BINGHAMTON	46	36	59	28	41	20	1.8	1.3	.7	5.4	116	2.4	164	99	87	0	0	3	5	2	2	
BUFFALO	46	34	67	30	40	17	2.8	2.3	1.2	7.2	129	4.6	239	96	76	0	0	3	4	2	2	
NEW YORK	51	43	62	36	47	16	1.7	1.1	1.4	6.2	112	3.4	163	96	79	0	0	0	4	1	1	
ROCHESTER	49	36	68	32	42	19	1.4	.9	1.1	4.5	108	2.2	151	98	79	0	0	2	4	1	1	
SYRACUSE	50	39	68	31	44	22	.6	.1	.4	3.8	79	1.3	79	93	75	0	0	2	4	1	1	
NC ASHEVILLE	51	34	63	26	43	6	.7	.2	.4	9.0	127	6.0	226	94	64	0	0	3	3	0	0	
CHARLOTTE	58	39	65	30	48	9	.7	.1	.5	5.1	85	3.2	127	90	52	0	0	1	2	0	0	
GREENSBORO	55	38	64	28	47	10	.6	.1	.5	3.2	57	2.6	119	91	55	0	0	2	2	0	0	
HATTERAS	57	50	71	42	54	10	4.6	3.4	2.3	12.8	157	7.9	219	93	60	0	0	0	4	2	2	
NEW BERN	59	47	70	37	53	10	1.7	.7	1.0	3.1	46	1.8	62	97	66	0	0	0	3	2	2	
RALEIGH	58	41	68	34	50	11	2.3	1.5	1.8	5.1	91	3.8	164	91	26	0	0	0	3	1	1	
WILMINGTON	61	44	70	34	53	10	1.4	.4	1.2	8.3	114	1.4	44	94	60	0	0	0	2	1	1	
MD BISMARCK	19	7	27	2	13	4	.3	.2	.3	.7	83	.4	115	92	83	0	0	7	3	0	0	
FARGO	22	7	34	-2	15	9	.5	.4	.4	.9	82	.7	148	89	72	0	0	7	5	0	0	
GRAND FORKS	21	5	33	-5	13	10	.1	.1	.1	.1	.1	.1	.1	91	74	0	0	7	0	0	0	
WILLISTON	17	4	21	-7	10	2	.8	.7	.6	1.9	200	.9	234	92	78	0	0	7	4	1	1	
OH AKRON-CANTON	42	30	58	22	36	11	2.9	2.4	2.1	7.6	171	4.7	306	96	83	0	0	6	5	1	1	
CINCINNATI	44	31	57	22	37	10	.8	.3	.5	5.2	105	2.3	128	97	80	0	0	4	4	0	0	
CLEVELAND	44	31	59	25	38	13	3.9	3.4	2.2	8.4	185	5.4	377	99	82	0	0	4	4	5	2	
COLUMBUS	43	30	57	22	37	13	2.2	1.7	1.0	6.6	150	4.3	314	97	78	0	0	4	5	2	2	
DAYTON	41	30	55	21	36	10	1.1	.6	.4	4.9	111	2.2	145	95	77	0	0	4	4	0	0	

Based on 1961-90 normals.

Weather Data for the Week Ending January 21, 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.
													.01 INCH OR MORE						.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	41	31	51	23	36	14	2.1	1.8	1.0	5.9	141	2.8	225	96	86	0	4	4	2	1	
YOUNGSTOWN	45	33	62	24	39	16	1.6	1.1	.8	5.9	133	2.7	176	98	83	0	3	3	5	1	
OK OKLAHOMA CITY	52	32	62	25	42	6	.3	.0	.2	1.9	87	.3	33	80	41	0	5	3	0	0	
TULSA	52	32	63	27	42	7	.2	-.1	.2	1.5	48	.3	30	85	43	0	5	1	0	0	
OR ASTORIA	52	39	57	34	45	3	1.9	-.3	.8	20.0	114	5.1	73	90	72	0	0	4	2	0	
BURNS	35	22	38	12	28	5	-.1	-.1	-.1	...	...	1.8	254	89	67	0	7	4	2	0
MEDFORD	50	33	58	28	41	3	-.1	-.5	.1	3.9	74	2.8	146	92	44	0	3	3	0	0	
PENDLETON	42	31	50	24	37	3	.3	-.1	.3	2.6	98	1.8	166	89	60	0	4	4	0	0	
PORTLAND	49	40	54	35	44	5	.9	-.3	.6	8.4	84	3.5	93	85	61	0	0	3	1	1	
SALEM	52	34	59	30	43	3	.8	-.6	.5	10.7	97	5.8	139	92	56	0	0	0	1	1	
PA ALLENTOWN	51	41	68	32	46	20	1.6	.8	1.1	5.7	100	2.6	119	96	79	0	1	2	1	1	
ERIE	47	34	64	27	40	15	2.2	1.7	.9	6.7	130	3.6	225	95	77	0	2	4	1	1	
HARRISBURG	49	42	63	32	46	18	2.7	2.0	1.8	6.4	126	3.5	186	95	78	0	1	1	2	0	
PHILADELPHIA	53	43	70	34	48	19	1.4	.6	1.3	5.2	86	3.1	129	95	78	0	0	4	0	0	
PITTSBURGH	47	33	62	22	40	14	1.5	.9	.5	4.2	89	2.2	123	93	74	0	3	4	6	1	
SCRANTON	50	40	65	30	45	21	1.1	.6	.8	4.7	117	2.4	165	89	81	0	1	2	2	1	
RI PROVIDENCE	52	43	67	36	47	20	1.4	.5	1.2	7.0	99	2.4	147	89	81	0	0	1	1	1	
SC CHARLESTON	62	44	66	36	53	5	.3	-.5	.3	9.8	178	3.4	147	97	79	0	0	3	3	0	
COLUMBIA	61	39	66	33	50	6	.5	-.5	.5	9.1	138	3.4	108	89	54	0	0	2	2	0	
FLORENCE	61	43	66	36	52	9	2.5	1.7	2.0	14.2	256	4.8	201	89	50	0	0	0	0	0	
GREENVILLE	57	36	65	29	47	7	.8	-.1	.4	9.5	138	5.6	201	91	51	0	2	2	1	0	
SD ABERDEEN	23	10	33	0	16	7	-.1	-.1	.1	.8	82	.4	90	94	73	0	1	1	0	0	
HURON	24	10	36	1	17	4	.3	.2	.3	1.0	144	.5	180	91	75	0	7	7	2	0	
RAPID CITY	35	18	50	13	27	4	.2	.2	.2	.6	80	.2	96	89	62	0	7	7	2	0	
STOUC FALLS	27	14	36	7	21	7	.2	.1	.2	.5	47	.2	51	82	73	0	7	7	2	0	
TN CHATTANOOGA	53	36	66	31	45	8	.6	-.5	.6	8.2	96	4.4	130	95	62	0	2	2	1	0	
KNOXVILLE	51	35	65	30	43	8	.7	-.2	.5	5.8	78	3.8	133	92	65	0	1	3	3	0	
MEMPHIS	51	36	60	29	44	4	4.0	3.2	3.9	11.0	131	4.9	187	90	61	0	1	2	1	1	
NASHVILLE	47	33	58	27	40	4	2.0	1.2	1.3	7.6	107	4.9	199	88	66	0	3	3	1	1	
TX ABILENE	61	38	73	30	49	7	.6	.4	.5	2.2	126	1.1	167	82	39	0	2	2	1	1	
AMARILLO	54	28	74	20	41	6	.7	.1	.1	.4	55	.1	36	72	26	0	5	0	0	0	
AUSTIN	66	45	77	40	56	7	-.1	-.1	.1	6.3	210	.7	59	80	34	0	0	1	0	0	
BEAUMONT	67	43	71	39	55	4	.2	-.3	.2	5.8	72	1.6	49	95	45	0	0	2	0	0	
BROWNSVILLE	74	55	83	46	64	5	.0	-.4	.0	1.7	75	.2	19	90	35	0	0	0	0	0	
CORPUS CHRISTI	70	51	78	41	60	5	.0	-.4	.0	8.6	362	.5	48	83	39	0	0	0	0	0	
DEL RIO	69	44	74	34	56	8	.0	-.3	.0	3.2	173	.4	4	80	34	0	0	0	0	0	
EL PASO	59	35	69	26	47	5	.7	-.1	.2	1.8	205	.2	61	80	21	0	2	0	0	0	
FORT WORTH	60	39	67	33	49	8	1.1	.7	.6	3.8	114	1.3	111	86	45	0	0	2	1	1	
GALVESTON	64	53	68	48	58	6	.7	.0	.7	5.7	97	.7	31	81	50	0	0	1	1	0	
HOUSTON	68	43	73	36	55	6	1.3	.4	1.2	7.4	100	2.5	97	90	47	0	0	2	1	1	
LUBBOCK	59	33	72	23	46	7	.3	.2	.3	.5	62	.3	132	76	31	0	3	1	0	0	
MIDLAND	63	37	76	31	50	7	.4	.3	.4	1.0	127	.6	182	77	32	0	1	2	0	0	
SAN ANGELO	64	37	74	29	50	7	.2	.0	.1	1.5	118	.3	61	79	37	0	2	2	0	0	
SAN ANTONIO	68	41	79	35	55	6	.7	-.4	.7	3.4	131	.2	13	84	31	0	0	1	0	0	
VICTORIA	69	45	76	38	57	5	.5	-.7	.0	5.7	109	.7	31	89	38	0	0	2	0	0	
WACO	63	40	71	30	51	6	.6	-.1	.5	6.3	214	1.2	114	93	45	0	1	2	0	0	
WICHITA FALLS	58	36	69	28	47	8	.5	.2	.5	1.4	57	.5	60	83	39	0	2	1	1	1	
UT CEDAR CITY	40	18	45	8	29	0	.3	.1	.2	.5	42	.3	56	94	45	0	7	2	0	0	
SALT LAKE CITY	39	25	50	19	32	4	1.0	.7	.7	2.6	121	1.2	157	92	62	0	7	3	1	0	
VT BURLINGTON	50	38	66	30	44	28	.9	.5	.3	3.3	88	1.6	124	94	73	0	2	5	0	0	
VA NORFOLK	56	46	70	37	51	12	1.2	.3	.7	3.1	53	1.9	73	87	67	0	0	5	1	0	
RICHMOND	54	43	68	33	48	13	1.4	.6	.7	3.6	65	2.6	118	87	49	0	0	3	2	2	
ROANOKE	52	38	63	29	45	11	2.4	1.8	1.6	8.4	178	6.0	340	92	61	0	2	3	2	0	
WA QUILLAYUTE	50	37	55	32	44	4	3.2	-.1	2.2	28.7	113	8.7	88	95	81	0	1	4	1	0	
SEATTLE-TACOMA	51	41	58	34	46	6	.3	-.9	.2	10.0	103	1.9	49	75	62	0	0	4	0	0	
SPOKANE	38	28	43	21	33	6	.2	-.2	.2	3.6	96	2.1	149	97	77	0	7	3	0	0	
YAKIMA	40	28	46	23	34	4	.7	-.3	.7	2.6	113	1.3	152	90	75	0	7	0	0	0	
WV BECKLEY	45	34	59	21	39	11	1.3	.6	1.0	4.9	94	3.1	152	97	77	0	2	3	1	2	
CHARLESTON	47	31	63	23	39	7	2.3	1.7	1.1	6.4	119	3.9	194	97	77	0	5	3	2	0	
HUNTINGTON	46	33	63	23	40	10	1.5	.8	1.2	6.9	123	3.9	188	98	79	0	3	5	1	1	
PARKERSBURG	44	31	60	23	37	7	1.5	.8	.9	5.0	98	2.2	102	98	78	0	4	5	1	0	
WI GREEN BAY	32	25	38	22	29	15	.2	.0	.2	1.0	42	.6	75	86	67	0	7	2	0	0	
LACROSSE	30	20	38	16	25	11	.7	.2	.7	.7	37	.7	0	88	63	0	7	0	0	0	
MADISON	32	22	39	19	27	11	1.0	.8	.9	2.9	119	1.9	224	84	69	0	7	4	1	1	
MILWAUKEE	36	30	42	22	33	14	.5	.2	.4	3.0	87	1.9	163	91	70	0	6	4	0	0	
WAUSAU	29	21	35	17	25	13	.4	.2	.2	.7	34	.4	55	85	59	0	7	3	0	0	
WY CASPER	33	15	52	2	24	2	.5	.4	.5	.9	88	.5	142	84	65	0	7	2	1	0	
CHEYENNE	39	20	57	8	29	3	-.1	.0	.1	.7	100	.1	36	82	37	0	7	1	0	0	
LANDER	30	11	44	-.6	21	1	-.6	-.5	-.4	1.0	111	.7	218	94	64	0	7	2	0	0	
SHERIDAN	34	21	42	12	27	7	-.4	-.2	-.4	.8	67	.6	126	86	59	0	7	1	0	0	
PR SAN JUAN	86	70	91	68	78	1	.4	-.2	.4	5.5	82	2.5	120	88	55	1	0	2	0	0	

Based on 1961-90 normals.

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 0.27 to 2.26 in. north; 0.18 to 2.18 in. central; 1.12 to 1.61 in. south. Temperatures 3° below normal to 5° above normal statewide. Lows 18 to 27° north; 20 to 32° central; 22 to 34° south. Highs 61 to 68° north, central; 60 to 72° south.

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

ARIZONA: Temperatures 6° below to 2° above normal. Extremes -8°; 73° higher elevations; 25°; 71° deserts. Precipitation reported most stations; 0.02 to 0.49 in.

Diminishing rains allowed some farmers back into fields. Alfalfa remains mostly good. Harvest light. Sheepling off moderate. Stand renovation, stands established mostly normal. Lemon, grapefruit, sweet orange, tangelo harvest continued western, central areas. Tangerine harvest steady central. Navel orange harvest winding down. Pecan harvest slowing central areas. Vegetable harvest steady. Volume leaders: Broccoli, green onions, head lettuce, mixed greens, spinach. Also available: Beets, bok choy, broccoflower, cabbage, carrots, cauliflower, dill, dry onion, endive, escarole, kale, leaf lettuce, leeks, napa, parsley, radishes, rapini, romaine, swiss chard. Tomatoes available eastern areas.

ARKANSAS: Temperatures averaging slightly above normal with snow in the northwestern region beginning of the week, heavy rainfall middle of week for the central, southern regions, snow across all of the State at weekend. Extremes 19°; 64°. Precipitation 0.13 to 3.45 in.

Wheat yellowed but still considered in good condition. Snow caused producers to increase hay fed to cattle. Livestock in good condition.

CALIFORNIA: Above normal rainfall entire State except southeast deserts. Early workweek, high pressure ended precipitation. Temperatures above normal except southern areas.

Limited field activities reported. Fields drying after last weeks wet weather. Low-lying areas, areas with heavy soils some problems yellowing alfalfa, small grain crops. Generally grain, forage, alfalfa crops showing good color, growth. Weed control efforts underway where possible. Winter cultural activities resumed. Rains, flooding caused some damage vineyards Napa, Sonoma counties; good soaking beneficial. Damage localized caused by erosion, silt, debris. Some fruit drop Navel oranges, avocados, grapefruit due high winds. Some almond orchards grafted. Early bud swell almonds, apricots occurred select warmer areas. Apples packed from storage for export. Kiwi exports slow, domestic markets fair. Grapefruits, lemons, tangerines, tangelos picked/packed. Navel orange harvest increased; good demand, price. Wet ground slowed fieldwork San Joaquin Valley, Monterey area. Harvest artichokes continued Monterey County. Asparagus harvest took place Imperial County, while good growth Stockton Delta. Broccoli, cauliflower harvests took place Monterey County, Imperial, Coachella, San Joaquin valleys. 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 control worms San Joaquin Valley. Spring melons planted Imperial County, preparation continued Riverside County. Spinach fields progressed well Tulare County. Processing tomato planting delayed Yolo, Colusa, Sutter counties, while pre-plant herbicides applied control weeds Merced County. Other crops harvested: oriental vegetables, ginger root, green onions, radishes, bok choy, turnips. Rangeland pastures showed good growth due mild, wet weather. Conditions improved, better feed quality reported. Supplemental feeding moderate. Some pasture damage reported low-lying areas due recent storms. Some cattle movement to foothill pastures. Stock ponds full. Cattle, sheep in good condition.

COLORADO: Upper level system 17th through 19th brought light snow to mountains, portions of west slope, only flurries in east. Clear skies statewide 20th, 22nd, colder than normal for mountains, northwest. Overall temperatures 5 to 10° above normal for the week statewide.

Major farm activities: Attending producer meetings, feeding, caring for livestock, preparing for the early lambing, calving season.

FLORIDA: Temperature 1 to 5° above normal western Panhandle, 1° to 6° elsewhere. Highs upper 60s Panhandle, Big Bend, low 70s north,

upper 70s south. Lows upper 20s Panhandle, Big Bend, mid 30s north, low 40s central, low 50s southeast. Rainfall; mostly between 1.00 to 2.00 in. Panhandle, up to 0.50 in. Big Bend, less than 0.15 in. Peninsula. However, 2.42 in. reported at Pensacola.

Soil moisture adequate Statewide, scattered areas short to surplus. Sugarcane harvest, planting active. Farmers tending tobacco beds. Growers making preparations for spring planted crops. Citrus groves very good to excellent condition. Moisture adequate, very little moisture demand due to cool weather conditions. Harvest of early-mid oranges very active, most supplies going to the processors. Seedless grapefruit movement increasing along with temple, honey tangerines for both fresh, processing. Caretakers cutting cover crops, hedging, topping, cutting debris from grove operations. Cool, dry weather over vegetable areas allowed planting, harvesting to progress on schedule but slowed crop maturation. Growers finishing harvest of tomatoes blooming when Tropical Storm Gordon passed over southern areas in mid-November. Volume leaders: Tomatoes, peppers, cabbage, snap beans, squash, strawberries, sweet corn. Pasture feed poor 10%, fair 65%, good 25%. Cattle mostly good.

GEORGIA: Temperatures 4 to 6° above normal north, 2 to 4° above normal central, 1 or 2° above normal south. Warmest mid 60s north to upper 60s south. Coldest mid 20s north, low to mid 30s central to south to upper 30s coast. Precipitation 2 days totals from 0.50 to 1.00 in. north, west to under 0.25 in. east. Light snow extreme north 22nd.

Surplus soil moisture continues limiting land preparation. Pruning of peach trees, concern over low chill hours. Preparing tobacco beds continues. Condition of all crops generally good. Routine care of livestock, poultry. Pastures fair, cattle, hogs generally good.

HAWAII: High pressure system north of State prevented cold front from reaching islands. Temperatures were warmer, nearly equaling record daily highs at midweek. Some light passing showers early part of week in windward, mountain areas. Trade winds were mostly light to moderate, 10 to 20 mph. Temperatures mid 60s to low 80s. Rainfall none to 4.10 in.

Banana, papaya orchards located in windward areas benefitted from rain early in week. Light showers brought very little relief to coffee, macadamia nut orchards, pastures in Kona district of Hawaii Island, which are showing signs of stress from prolonged dry spell.

IDAHO: Temperatures 5 to 13° above normal. Precipitation 0.23 to 1.01 in. north, 0.12 to 0.54 southwest, none to 0.85 in. south central, 0.02 to 0.31 in. southeast. Extreme temperatures -19°; 58°.

Hay, roughage supply 6% short, 92% adequate, 2% surplus. Calving completed 8%. Lambing completed 11%. Activities: Marketing onions, potatoes, repairing machinery, educational meetings. Lambing, calving just beginning.

ILLINOIS: Unseasonably mild temperatures early in week gave way to wintry conditions by weekend. A strong storm system rushed into region bringing gulf moisture. Through south moisture mainly rain but especially in west central and north central Illinois snow dominated. Snowfall 8 to 15 in. noted from near Quincy to Rockford. For week temperatures averaged 5 to 10° above normal, mean readings mid 20s to mid 30s. Daytime highs between 30 to 43° while average minimums ranged from upper teens to low 30s. Precipitation heaviest south, least to the north. Water equivalent varied from 0.66 in. north, west to more than 2.00 in. south. Rain, snow limited activities last week to livestock care, grain hauling, commodity meetings, machinery maintenance, tax preparation.

INDIANA: A major storm system brought rain to State on 20th, followed by colder temperatures, snow during the weekend. Temperatures were warmer than normal before passage of the low pressure center. High temperatures 30s in the north to the upper 30s to mid 40s in the south, which was mostly 2 to 8° above normal across State. Lows 20s in the north to the mid 20s to mid 30s in the south, which was mostly 8 to 14° above normal across the State. Coldest readings for the seven day period were mostly in the teens in the north, central, the upper teens to lower 20s in the south. Precipitation, water equivalent, averaged around 0.70 to 1.60 in. across the State. This was above normal by 0.30 in. to 1.25 in. the central, north, below normal by up to 0.45 in. parts of the south. Snow

depths of 2 to 7 in. were common across the northern two thirds of State by the end of the period.

Field activities slowed by wet conditions, most areas. Hauling of grain continued. Winter wheat mostly good condition. Livestock mostly good condition. Other activities: Hauling manure, production meetings, purchasing seed, fertilizer, weaning calves, lambing, tax preparation, processing tobacco, equipment maintenance, mending fence, cutting wood, care of livestock. Hay supplies mostly adequate.

IOWA: A major winter storm dropped up to 15 in. snow on extreme eastern areas on 19th. Storm was followed by cold, windy weather, light snow through weekend. Early week weather was very mild with a few thundershowers on 17th. Overall, temperatures averaged 5 to 9° above normal. Extremes 6°; 53°. Precipitation only a trace southwest to 1.58 in. extreme east; average 0.15 in., normal 0.18 in. Winter storm that crossed extreme eastern areas on 19th has been difficult on livestock.

KANSAS: Temperatures across the State were well above normal, 9 to 10° above normal in the southeast, south central districts. The remainder of the districts were from 12 to 13° above normal.

Mild temperatures continued during week. Daytime highs in 50s early in week gradually decreased to 30s at end of week. Temperatures 9 to 13° above normal. Light amounts of precipitation were received in the eastern third of the State while the rest of State remained dry.

KENTUCKY: Mild weather, highs 2 to 5° above normal, lows 8 to 10° above normal. Warmest mid week, highs 50s, lower 60s. Coolest over weekend, highs mid 20s to low 30s. Precipitation varied widely; 1.00 to 2.75 in. west, nearly 1.00 in. east. 0.25 to 0.50 in. central. Heaviest widespread rain 16th, 19th, 20th. Light snow weekend.

Soil moisture adequate to surplus. Light snow cover provided limited protection for winter wheat, condition satisfactory. Burley tobacco markets beginning to close. Burley prices rebounded slightly.

LOUISIANA: Temperatures were close to normal. A strong cold front came through the middle, southern portion of the State on 19th bringing heavy rain, severe weather, including tornados, strong winds.

Main farm activities were feeding hay to livestock, caring for newborn calves, topdressing winter ryegrass pastures, equipment repair, cleanup, winter drainage work in cane. Spraying strawberries for disease control active. Winter wheat growth slowed with cool temperatures. Parishes agents conducted boll weevil eradication meetings for cotton growers.

MARYLAND & DELAWARE: **MARYLAND:** Precipitation 1.92 in., normal 0.73 in. Temperature 50.7°, normal 32.6°. Extremes 23°; 73°.

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 1.53 in., normal 0.73 in. Temperature 50.5°, normal 33.5°. Extremes 37°; 70°.

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 3°; 46°. Precipitation 0.30 to 1.40 in. across the State. Temperatures slightly above normal at the beginning of the week. Rains came midweek snow by the weekend. Snow cover 5 to 8 in.

Livestock are in good condition, feed supplies are adequate. Major activities included: Hauling wood, tax preparation, attending Ag meetings, planning for next crop year.

MINNESOTA: Temperatures 8 to 13° above normal for the State. Extremes -14°; 38°. Precipitation 0.10 in. above normal across the State. Rain early last week caused icy conditions, made travel hazardous across the State. Warm temperatures, little snow accumulation continue to make this winter an easy one on livestock.

MISSISSIPPI: Temperatures mid 30s to mid 50s. Heavy rainfall on 18th from 1.00 to 1.50 in.

Days suitable for fieldwork 1.4. Soil moisture 29% adequate, 71% surplus. Livestock 18% fair, 76% good, 6% excellent. Hay supply 100% adequate. Feed grain supply 100% adequate. Pasture feed 83% of normal. Hay, feed grain supplies are adequate. Winter pastures are very wet due to heavy rain, surplus soil moisture. Fieldwork was limited. Livestock feeding continues to be a main farm activity.

MISSOURI: Temperatures 3° above normal central, east-central to 8° above normal at Nevada. Precipitation averaged nearly 1.00 in., varying from virtually none northwest to nearly 2.00 in. southeast. Snow cover

across much of State. Central regions received record snowfall amounts, Columbia nearly 20 in.

MONTANA: Temperatures were above normal. Precipitation below normal for northern part of State, however a Pacific low pressure system brought above normal precipitation across the south central, east regions.

Winter wheat condition remains mostly fair to good. Protectiveness of snowcover for winter wheat is rated mostly poor. Very little wind damage reported. Calving, lambing getting started with 1% done for each. Grazing is rated as mostly difficult.

NEBRASKA: Temperatures 1° above normal Panhandle to 6 to 8° above normal central, east. Precipitation was mostly less than 0.10 in. south, far east with 0.75 in. parts of the northern Panhandle where heavy snow fell.

Producer activities included preparations for spring calving, finalizing plans, obtaining supplies for the 1995 crop year, monitoring farm stored grain, marketing grain.

NEVADA: Week began with a storm system scattering heavy precipitation around the State. The storm delivered some snow in the Sierras on 14th. Only limited precipitation was received thereafter. Precipitation 0.10 in. at Lovelock to 1.89 in. at Tahoe City. Temperatures near normal. Extremes -12°; 66°.

Main farm, ranch activities: Livestock feeding, livestock marketing, equipment maintenance, ditch cleaning.

NEW ENGLAND: Precipitation 0.39 to 2.58 in. regionwide. Temperatures 33 to 45° north; 40 to 49° south. Maximum temperatures 53 to 66° north; 52 to 67° south. Minimum temperatures 20 to 32° north; 29 to 36° south.

Major farm activities: Caring for livestock, lambing, general maintenance.

NEW JERSEY: Temperatures much above normal. Temperatures 39° north, 43° south, 44° coastal. Extremes 18°; 61°. Rainfall 1.15 in. north, 1.26 in. south, 0.96 in. coastal. Heaviest 24 hour total 1.27 in. on 19th, 20th. Heaviest 24-hour snowfall was 1 in. on 21st, 22nd.

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

NEW MEXICO: Light showers brushed both far northern, far southern areas. Temperatures were relatively warm in the south, east with readings as much as 4 to 5° above average eastern plains. Colder air was limited to northern districts; clouds, light rain held readings down in southwest.

Major activities in State include ranchers tending to their livestock, farmers in the southwest are getting ready to plant wheat, others are preparing their land for spring planting, repairing equipment.

NEW YORK: Temperatures continued well above normal. Readings soared into the 60s early in week. Extremes 15°; 68°. Wet week. At least a trace of rain fell every day. Significant precipitation received on 20th. Locally, amounts reached 1.00 to 2.00 in.

Major activities: Caring for livestock, hauling manure, moving crops from storage, attending meetings, maintenance.

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

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

NORTH DAKOTA: Above normal temperatures, precipitation. District temperatures 2° above normal, northwest, west central, southwest to 8° above normal, northeast, east central. Extremes -12° north central, northeast, west central; 41° southwest.

Additional snow improved cover in most areas. Livestock conditions remained good to excellent with adequate feed supplies. Livestock, grain marketing normal.

OHIO: Another storm curved up from the southwest across the Ohio Valley late in the week bringing winter weather. Ahead of this storm, temperatures gradually moderated with 19th highs in the 40s to 50s. Rain preceded the storm, then turned to snow. Snow fell 20th, over the weekend. Temperatures 5 to 14° above normal. Highs mid 30s to low 40s. Lows mid 20s to low 30s. Extreme highs were in the 40s to 50s on 19th to lows in the teens to low 20s 22nd night. Most of the precipitation came late in the work week, during the weekend. Liquid equivalent amounts were generally 0.50 to 1.25 in. Some areas did get over 2.00 in.

Farmers welcomed the snow cover as an insulation for wheat, other fall sown crops. However, ditches are full, many fields are ponding.

OKLAHOMA: Temperatures 1.3° above normal west central to 4.9° above normal northeast. Precipitation 0.10 in. Panhandle to 1.94 in. southeast.

Prices for feeders steers and heifers were steady to \$2.00/cwt lower.

OREGON: Temperatures normal to 5° above normal statewide. Precipitation coast 1.50 to 2.00 in., western interior 0.50 to 1.50 in., elsewhere less than 0.25 in.

Soil moisture surplus to adequate. Wet conditions slowed most winter crop activities. Nurseries balling, burllapping deciduous, evergreens. Supplemental feeding continued statewide. Wet conditions depleting hay supplies, southwestern sections.

PENNSYLVANIA: Unseasonably mild weather continued across the State. Most areas received at least 1.00 in. of precipitation. Temperature 44°, 18° above normal. Extremes 11°; 74°. Precipitation 1.96 in., 1.31 in. above normal.

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

PUERTO RICO: Island rainfall 0.30 in. was 0.36 in. below normal. Highest rainfall 2.84 in. at Adjuntas Aes, 2.03 in. at San Sebastian, 1.90 in. at Maricao 2 SSW. Highest 24 hour total 2.03 in. at San Sebastian 2WNW on 16th. at WSFO San Juan. Island temperatures 74° on the coasts, 70 to 71° interior with mean station temperature 78.1° at Roosevelt Roads to 65.1° at Pico del Este. Extremes 50°; 90°.

SOUTH CAROLINA: Rainfall 0.30 in., while statewide temperatures 4 to 5° above normal.

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

SOUTH DAKOTA: Temperatures generally 11° below normal to 5° above normal. Extremes -3°; 58°. Melted precipitation generally 0.20 to 0.40 in. Heaviest melted precipitation 0.63 in., Oelrichs.

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

TENNESSEE: Temperatures 2 to 6° above normal. Extremes 20° Jackson, Nashville, Crossville; 66° Chattanooga. Precipitation much above normal west, averages exceeded 2.00 in., Memphis 4.02 in. Precipitation below normal Middle, Cumberland Plateau, east.

Wheat good condition.

TEXAS: A slow moving low pressure system produced precipitation across all but Southern Texas, the Lower Valley. Above normal mean temperatures accompanied rain in most divisions, except for a departure of -2° in Low Rolling Plains. Remaining divisions reported departures from +4 to +6°. No precipitation reported in Southern Texas, the Lower Valley, with departures of 0.25 to 0.34 in., respectively, below normal. Edwards Plateau, south central divisions also reported below normal rainfall. Positive departures occurred in northern third of the State, with largest departure of +1.83 in. East Texas. Larger station totals were 5.41 in. at Toledo Bend Reservoir, 4.48 in. at Lake Livingston. Highest mean daily soil temperature was 66° at Brownsville, while lowest mean daily soil temperature was 39° at Bushland. Highest daily maximum soil temperature was 70° at Beaumont, while lowest daily minimum soil temperature was 30° at Bushland.

Crops: Cotton harvest activities were virtually completed under mild, open weather conditions. Most producers were busy shredding stalks, breaking land. Cotton 100% harvested, 100% 1993. Small grains: Winter wheat, oats continued to benefit from warmer weather. Growth

increased in many areas, despite a need for rain in some parts of the Plains. Irrigation continued in some areas of the Plains. In the Blacklands, rust, some yellowing of fields continued to cause problems. In some areas of South Texas, growth of weeds due to unseasonably warm winter temperatures was beginning to occur. Most winter wheat, oat fields continued to provide adequate grazing for livestock. Statewide winter wheat condition 70% normal, 61% 1993.

Commercial Vegetables: Rio Grande Valley: Mild weather conditions allowed citrus harvest to push forward. Harvest of cabbage also remained active. Tomatoes, onions, peppers made good progress. Preparations for spring vegetable planting on irrigated land continued. San Antonio-Winter Garden: Harvest of spinach, cabbage was active. East Texas: Wet field conditions hindered land preparations for spring planting in most areas, however, some land preparations occurred. Some fields of onions, English peas were planted. Trans-Pecos: Land preparations continued for planting of spring vegetables. Irrigation of onions continued. High Plains: Land preparations continued to advance rapidly as mild weather conditions persisted. Pecans: Most producers were completing pecan harvest. Cleanup activities continued as weather conditions allowed. In the Cross Timbers, East Texas, Trans-Pecos pruning activities were ongoing. Pecans 97% harvested, 98% 1993.

Range and Livestock: Livestock remained in good condition across most of the State. Pasture forage remained short across Plains. Most fields in East Texas were beginning to dry some before heavy rain storms crossed the area again at midweek. Supplemental feeding of livestock continued across most areas.

UTAH: Temperature maximums 2° above normal; minimums averaged 8° above normal. Precipitation moderate to heavy across the State, with Silver Lake-Brighton receiving 2.24 in.

Major farm, ranch activities were cleaning corrals, feeding and caring for livestock, purchasing forages, preparing farm records, shop work. Cattle and sheep are in good condition. Some early calving, lambing reported.

VIRGINIA: Temperatures were above normal. Extremes 17°; 68°. Precipitation varied statewide. Days suitable for fieldwork 3.8. Topsoil moisture 46% adequate, 54% surplus. Pasture feed 35% poor, 37% fair, 28% good. Livestock 12% fair, 88% good. Small grain, grazing crop condition 30% fair, 67% good, 3% excellent.

Forage from pastures, winter grazing crops dairy cattle 5%, beef cattle 18%, sheep 17%. Marketing Burley tobacco. Western counties reported extensive rain, flooding. Topdressing wheat, early land preparation for row crops. Production meetings, tax preparation.

WASHINGTON: Temperatures 3 to 7° above normal west; 3 to 13° above normal east. Precipitation 0.42 to 15.49 in. west; 0.01 to 2.52 in. east.

Days suitable for fieldwork 3.75. Soil moisture 21% short, 70% adequate, 9% surplus. Hay, other roughage supplies 1% very short, 5% short, 94% adequate. Range, pasture feed 23% very poor, 28% poor, 49% fair. Winter wheat, dryland 9% very poor, 20% poor, 43% fair, 28% good; irrigated, 13% fair, 83% good, 4% excellent. Pasture conditions still muddy. Soil erosion noted on some hillslopes in eastern areas. Oyster, clam and mussel harvests continued. Floral greenery harvest in full swing. Pruning of fruit trees continued.

WEST VIRGINIA: Temperature 36°. Extremes 14°; 65°. Precipitation 0.90 in.

Farm activities: General farm maintenance, feeding livestock, bookkeeping.

WISCONSIN: Temperature 23°. Extremes 3°; 44°. Precipitation 0.10 to 0.50 in. Mild temperatures were steady across the State. Snow fell from the middle of the week until 22nd. Northern parts of the State only saw 1 to 2 in. of snow with the southern, eastern parts seeing from 10 to 16 in. Snow plowing was the main farming activity. Farmers are doing book work with tax season coming near.

WYOMING: Temperatures 4 to 10° above normal last week. Jackson was the warm spot averaging 17° above normal. Precipitation fell in most places during the week. Amounts were at or below normal in the far eastern parts of the State. The remainder of the State had at or above normal amounts.

Warm weather has helped stretch short hay, roughage feed supplies. Livestock are in mostly good condition.

International Weather and Crop Summary

HIGHLIGHTS

January 15 - 21, 1995

EUROPE: Stormy weather hit the Atlantic coast, while unseasonably cold weather plunged into the southeast.

SOUTH AMERICA: Persistent showers over portions of southern Brazil caused some local flooding, while seasonable weather elsewhere favored summer crop development.

SOUTHEAST ASIA: Heavy showers over Java maintained adequate to abundant moisture for rice, with some additional flooding likely.

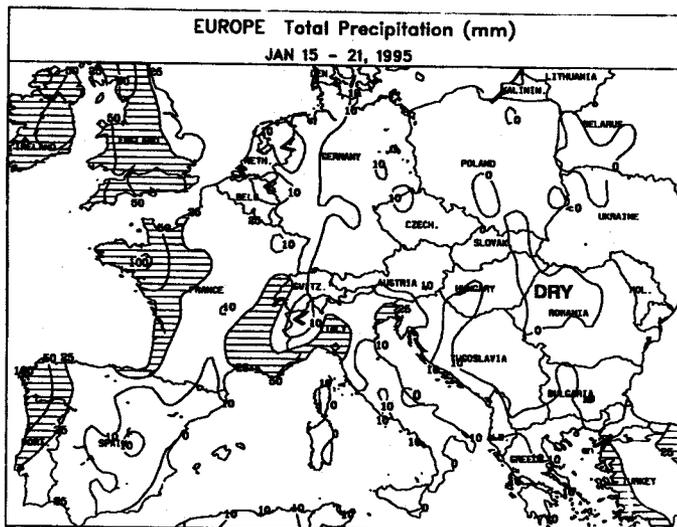
EASTERN ASIA: Winter wheat remained dormant across the North China Plain.

FSU-WESTERN: Colder weather returned to winter grain areas.

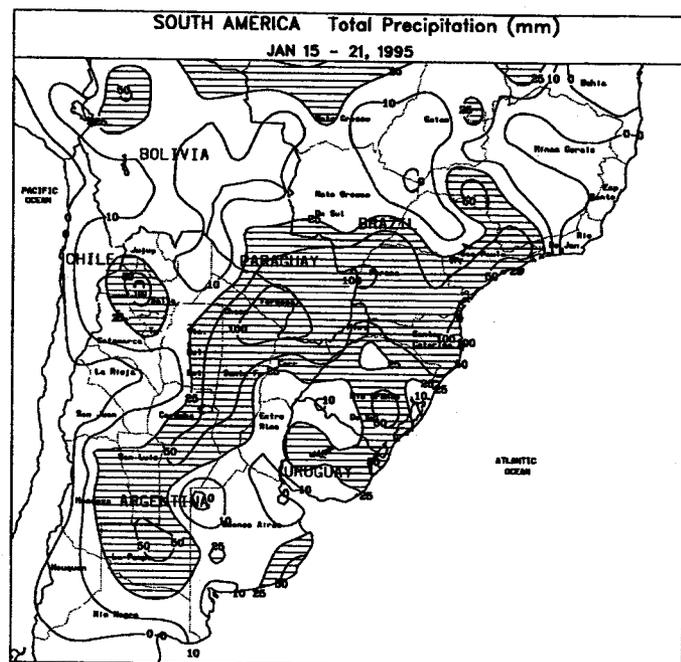
AUSTRALIA: Widespread rain brought substantial drought relief to summer crops and pastures across eastern Australia.

NORTHWESTERN AFRICA: Drought continued to adversely affect winter grains in Morocco.

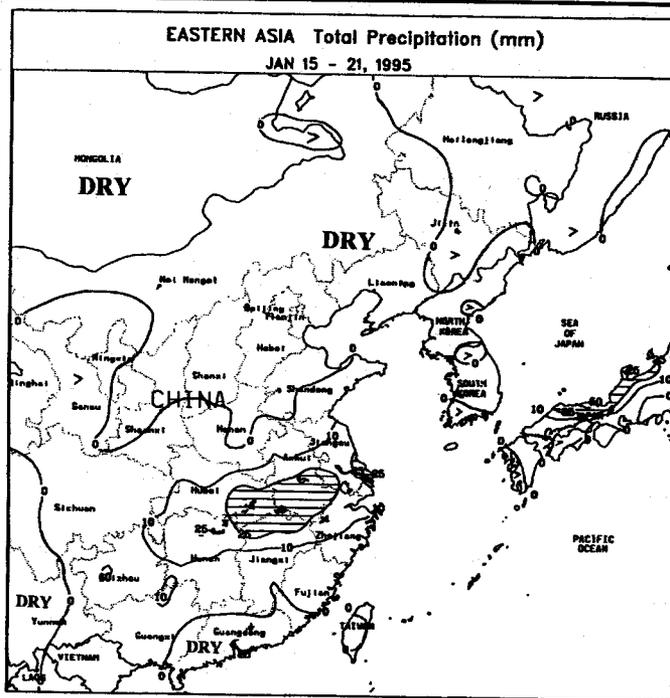
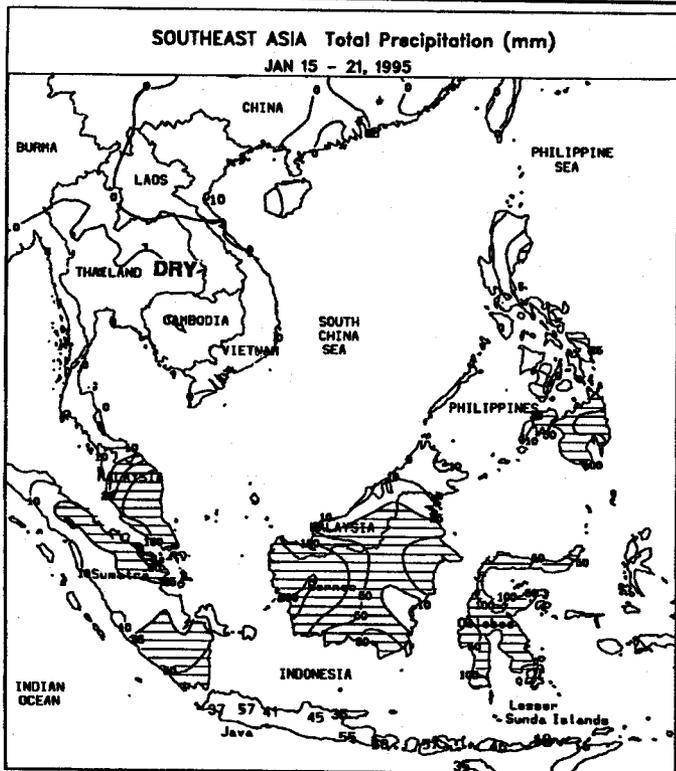
SOUTH AFRICA: Continuing rain benefited corn and sugarcane.



EUROPE: Stormy weather soaked the Atlantic coastal region from the United Kingdom to northern Portugal, with rainfall of 25-100 mm in the Rhone Valley of southeastern France and extreme northern Italy. Significant moisture (10-20 mm) covered the remainder of France, western Germany, and western Spain. However, little rain (5 mm or less) fell in central and eastern Spain, most of Italy and eastern Europe from Poland to northern Romania. Variable precipitation (1-15 mm) was scattered over Bulgaria and Greece. While beneficial moisture has fallen in northwestern Spain, drought conditions persist over eastern portions of the country. Temperatures averaged 2-4 degrees C above normal in northwestern Europe and 2-6 degrees below normal in the east. Extreme minimum temperatures plunged to the -20 degree C level from extreme southeastern Poland through the Slovak Republic to Romania, but snow cover provided some protection to dormant winter grains. Minimum temperatures fell near to slightly below the freezing level in southern Italy and citrus areas of Greece. The citrus harvest is normally underway, with citrus trees generally dormant and less sensitive to cold weather.

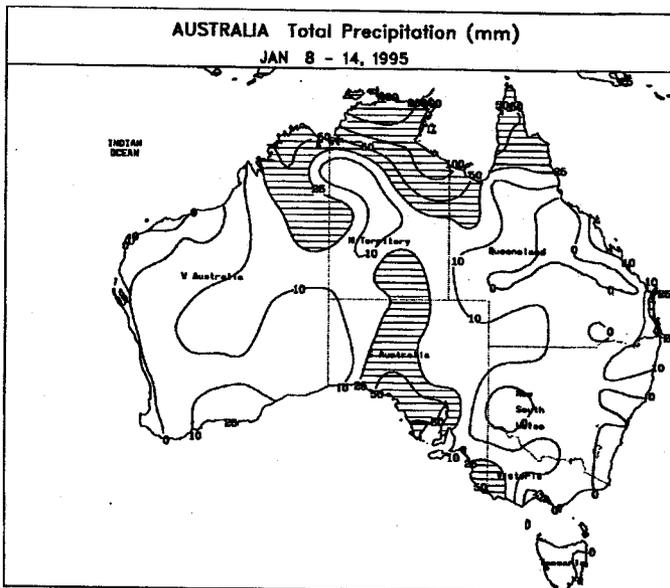


SOUTH AMERICA: In southern Brazil, persistent showers (50-100 mm) caused local flooding across Parana and southern Sao Paulo. Elsewhere, lighter rainfall (15-40 mm) aided reproductive soybeans. The drier weather is welcome since the showers were becoming excessive. Dry weather continued across the coastal areas of Espirito Santo and eastern Bahia, stressing coffee and cocoa. Temperatures averaged 2-4 degrees C above normal across south-central Brazil. In Argentina, scattered light to moderate showers (10-30 mm) fell across the major summer crop region, aiding reproductive corn and vegetative soybeans. Moderate to heavy rain (50-125 mm) fell across northern Argentina, benefiting reproductive cotton but causing local flooding. Temperatures averaged near normal across central Argentina. Southern Paraguay received moderate showers (40-100 mm), benefiting cotton and soybeans.

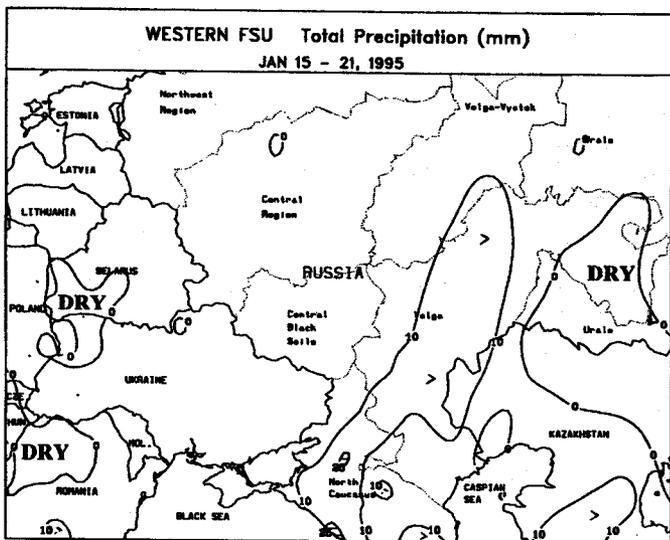


EASTERN ASIA: Winter wheat remained dormant across the North China Plain. Light to moderate rain (10-35 mm) fell across the lower Yangtze Valley, favoring winter crops. Dry weather promoted sugarcane fieldwork across southern China.

SOUTHEAST ASIA: Moderate to heavy showers (25-100 mm or more) throughout Java maintained adequate to abundant moisture reserves for rice but likely caused additional local flooding. Locally heavy showers (100-212 mm) fell across sections of western Malaysia's oil palm region, possibly causing some localized flooding. In the Philippines, moderate rain (15-40 mm) in the eastern Visayans benefited immature rice and corn, and sugarcane. Heavy showers (50-161 mm) over Mindanao likely caused some flooding in rice and corn areas.



AUSTRALIA: A monsoonal low-pressure system produced widespread rain across north-central and eastern Australia, bringing substantial drought relief to summer crops and pastures. Extreme southern Queensland and northern New South Wales received 50-150 mm, boosting irrigation supplies, benefiting cotton and sorghum, and increasing soil moisture for next season's winter wheat crop. The rains, however, caused some local flooding. Across east-central Queensland, lighter rains (15-50 mm) were reported, but were beneficial to summer crops nonetheless. The rains stabilized sorghum and cotton yield prospects and may spur additional dryland sorghum plantings. Even western Queensland and New South Wales received moderate to heavy rains (50-150 mm), greatly improving moisture for pastures. While the rains were highly beneficial, additional rains are still needed to erase the significant long-term moisture deficits that have accrued over the past year. Moderate showers (20-80 mm) aided sugarcane development across the northeast coast of Queensland. In New Zealand, light to moderate rain (10-40 mm) fell across east-central North Island, aiding pastures. Rainfall has been periodic across this region the past month. However, dry weather prevailed across eastern South Island, which has reported below-normal rainfall since early December.



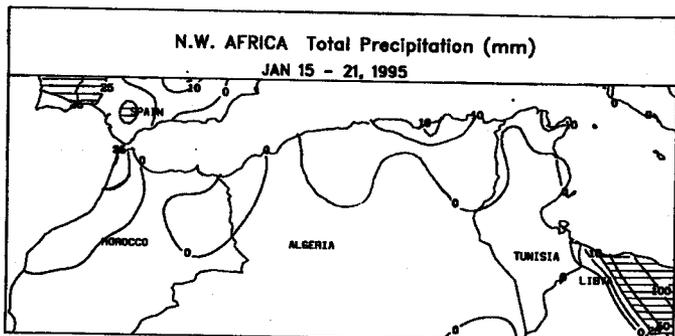
FSU-WESTERN: High pressure dominated the region during the week, ushering in colder and drier weather. Precipitation amounts generally varied below 10 mm, with greatest amounts of moisture (10-25 mm) falling over the Volga Valley and North Caucasus region in Russia. Snow cover was adequate to protect winter grains from bitter cold, which settled into the region by week's end. Lowest minimum temperatures during the week ranged from -12 to -23 degrees Celsius (C) over Russia, Ukraine, Belarus, and the Baltic States.

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

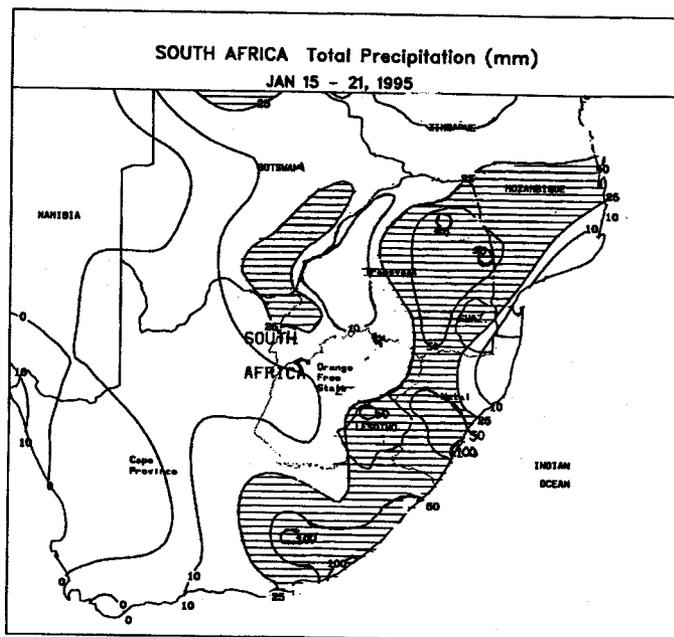
Annual subscriptions: domestic first class \$45, foreign \$55 (in U.S. funds by international money order or check drawn on U.S. bank) payable to U.S. Department of Commerce, NOAA. POSTMASTER: Send address changes to Weekly Weather and Crop Bulletin, NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 5844, Washington, DC 20250. Order subscriptions from the office and address listed above. First class postage paid at Washington, DC, and additional mailing offices.

U.S. DEPARTMENT OF COMMERCE
 National Oceanic and Atmospheric Administration
 National Weather Service/Climate Analysis Center
 Managing Editor Douglas Le Conte (202) 720-7919
 Editor Brad Rippey (202) 720-1444
 Meteorologists: David Secora, Jeff Savadel, Brian Morris
 Subscriptions Joyce Houston (202) 720-7917

U.S. DEPARTMENT OF AGRICULTURE
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NORTHWESTERN AFRICA: Rainfall diminished over winter grain areas in Algeria and Tunisia, where precipitation amounts varied from 2 to 21 mm. Soil moisture reserves were adequate for normal crop development in these areas. In Morocco, drought continued to adversely affect winter grain development, prompting serious concerns about prospects for this year's winter grain crops. Reports indicated reservoirs in Morocco are down to 30 percent of capacity and the drought has severely stressed pastures and livestock.



SOUTH AFRICA: Following last week's soaking rain, showers were generally light (15 mm or less) in western Orange Free State. Light to moderate rain (10-25 mm or more, with a few locations in the east receiving more than 50 mm) covered most other corn areas. Temperatures across the corn belt were seasonable, with highs in the west generally in the upper 20's to low 30's C, and highs in the east from the mid to upper 20's. In sugarcane areas of southern Kwazulu-Natal, heavy showers (63-109 mm) helped alleviate dryness. Moderate to heavy rain (36-147 mm) also benefited crops throughout Eastern Cape Province.

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