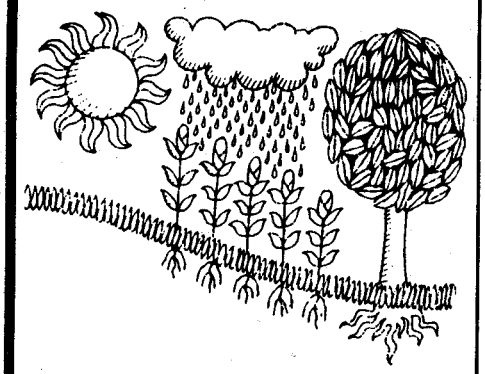

WEEKLY WEATHER AND CROP BULLETIN

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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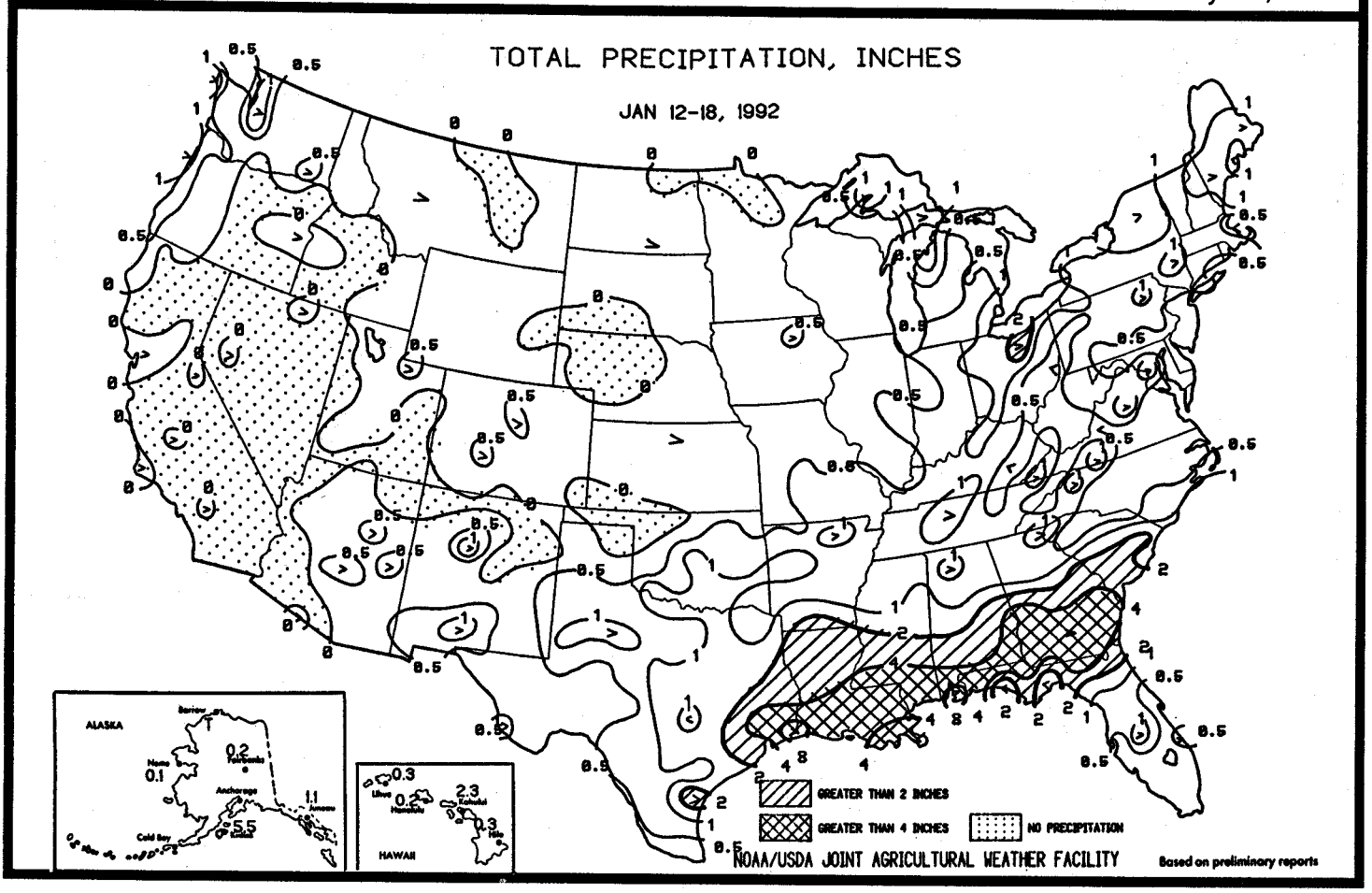

HIGHLIGHTS

January 12 - 18, 1992

Arctic cold spilled into the **East** for the first time since early December, and heavy rain soaked the **Gulf Coast States.** Snow was noted in most **Eastern States,** including parts of the **Southeast.** Early in the week, a winter storm spread snow from the **Southwest** to the **eastern Great Lakes** in advance of the arctic cold front. Snow depths topped a foot in the **southern Rockies** and reached 4 inches in **Lubbock, TX,** and **St. Louis, MO.** A foot of snow immobilized **Detroit, MI.** Meanwhile, heavy rainfall from **Louisiana** to **Georgia** locally exceeded 5 inches. Frigid air swept southward at midweek, propelling temperatures to daily record lows in a half-dozen locations **east of the Rockies,** including **Laramie, WY** (-20° F), and **Shreveport, LA** (17° F). A series of fast-moving cold fronts kept snow showers active in the **Nation's northeastern quadrant** for the duration of the week. Toward week's end, moisture streaked northeastward out of **Mexico,** producing another round of heavy rain from **eastern Texas** to **Georgia.** Farther north, snowfall measured 8 inches in **Wichita Falls, TX,** 6 inches near **Columbus, MS,** and up to 8 inches near **Atlanta, GA.** Elsewhere, a return to milder weather melted snow cover in the **northern Plains,** and the recent stretch of nearly rainless weather in **California** reached 10 days.

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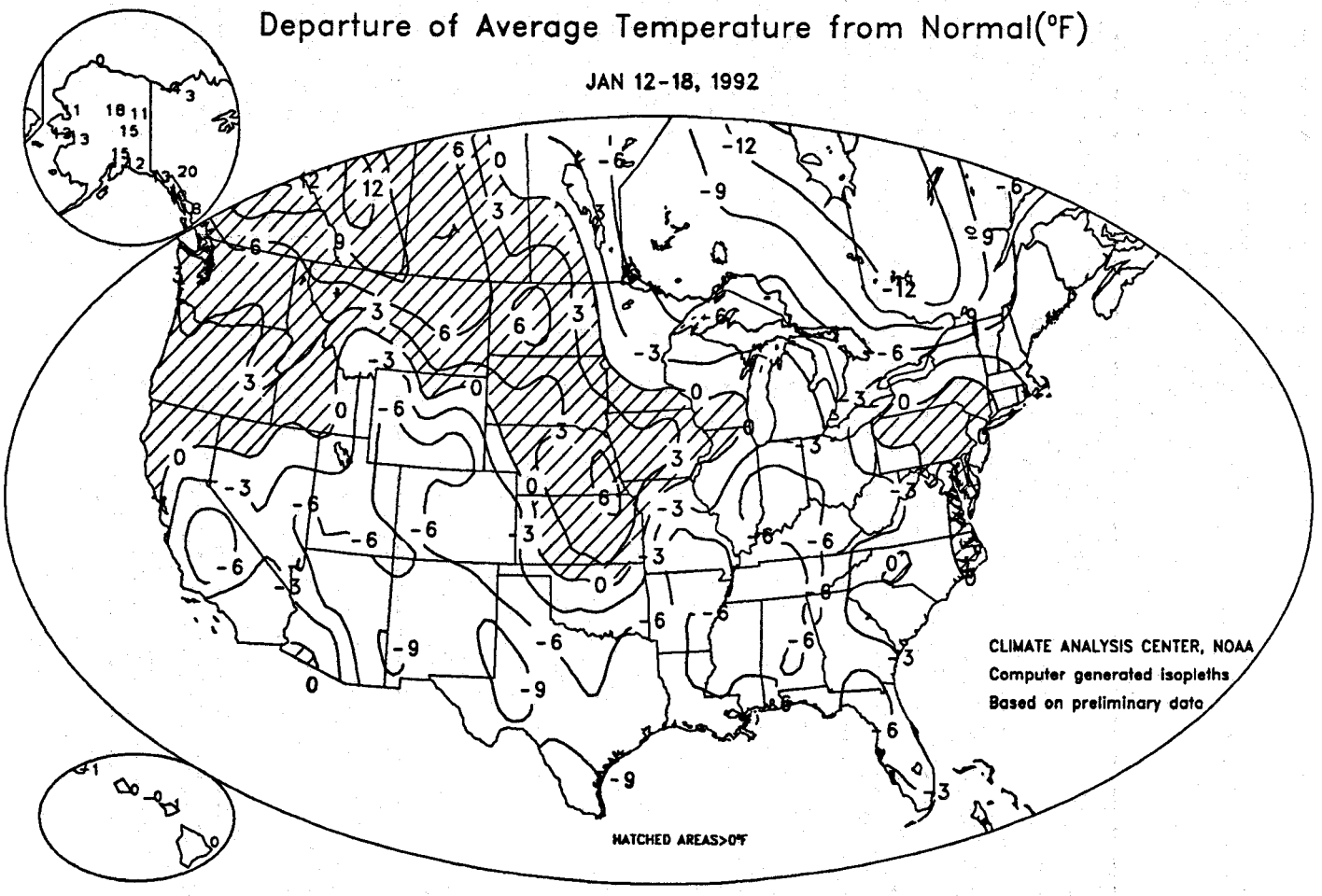
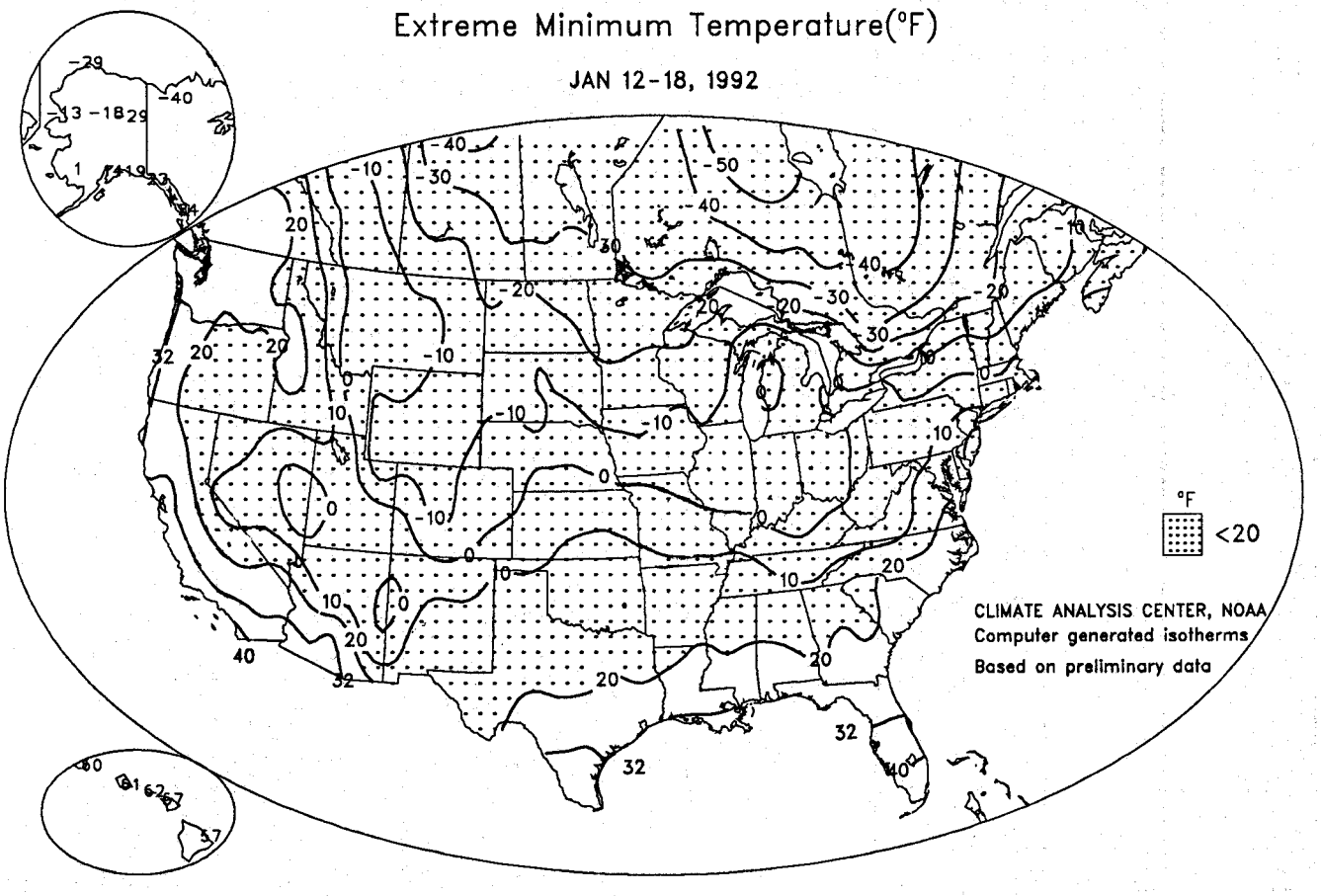
Departure of Average Temperature from Normal(°F)

JAN 12-18, 1992



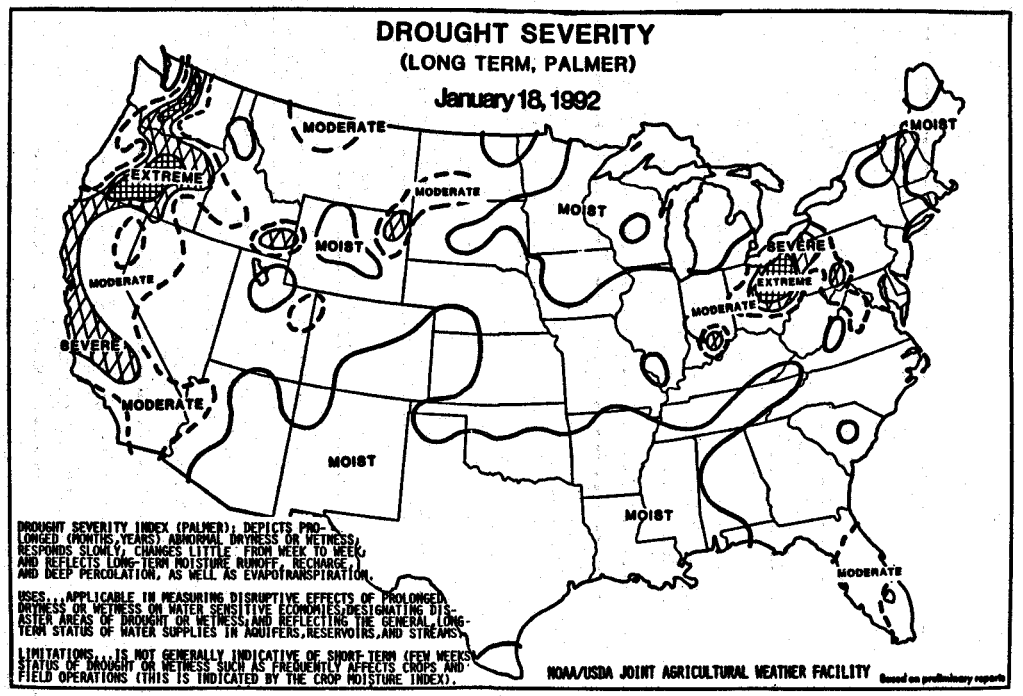
Extreme Minimum Temperature(°F)

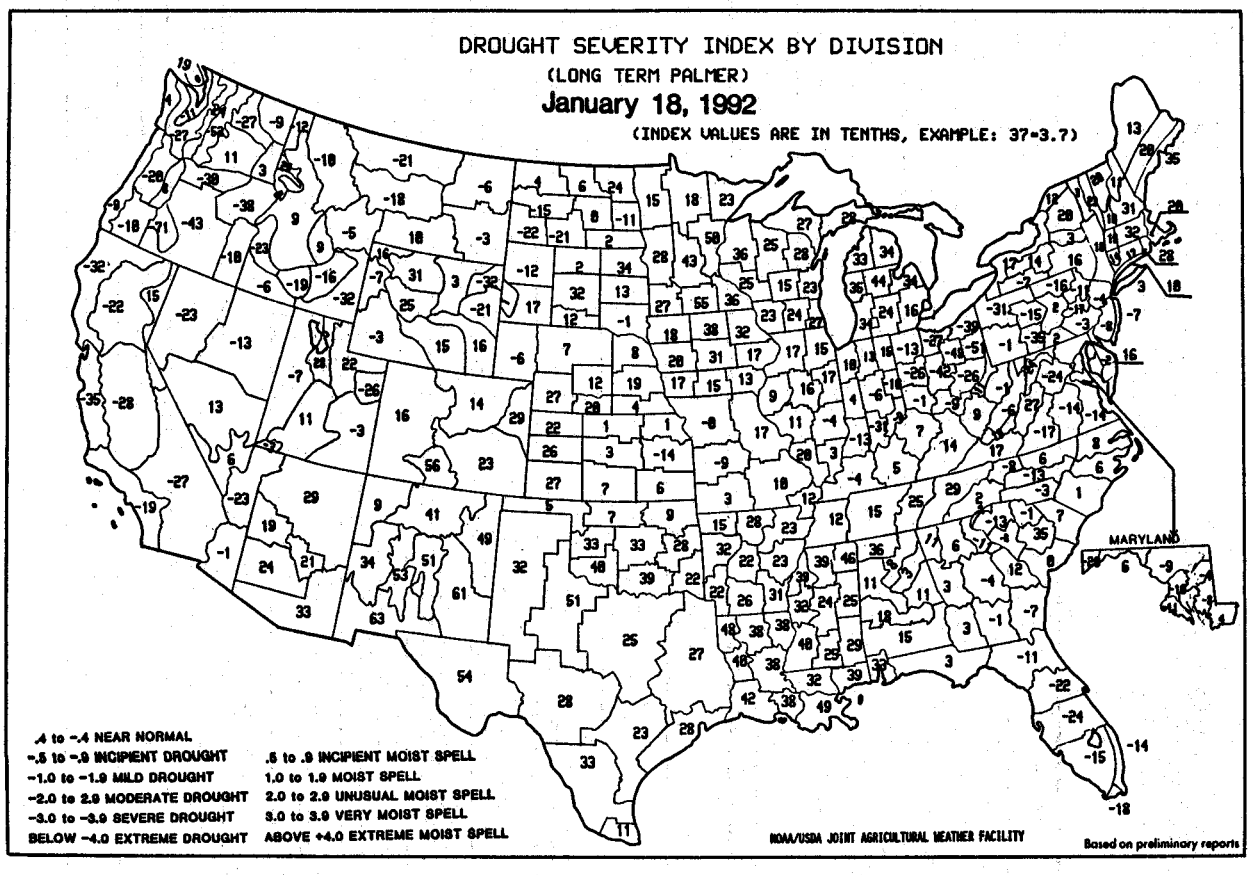
JAN 12-18, 1992



Mid-Winter Drought Update

Most of the country has adequate to surplus moisture, though a few areas are still coping with lingering, long-term drought. The latest Palmer Drought Index shows continued water deficits in California and in parts of Nevada, Oregon, and Washington. In addition, much of Ohio has not pulled out of the drought which developed last summer. Some of this dryness extends into western Pennsylvania and northern sections of Virginia and West Virginia. Recent rains ended drought in Georgia and northern Florida, though central Florida could use more rain. Excessively wet conditions prevail over much of the South and the Great Lakes region. Heavy late autumn and early winter precipitation ended drought in Kansas, where earlier dryness slowed planting and emergence of the winter wheat crop.





National Weather Data for Selected Cities

Weather Data for the Week Ending January 18, 1992

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	48	28	69	17	38	-5	.9	-.3	.5	5.0	62	1.4	44	84	41	0	5	3	0
MOBILE	55	35	71	27	45	-6	6.0	4.9	2.5	10.3	126	7.2	264	93	44	0	4	3	3
MONTGOMERY	52	32	70	19	42	-5	3.0	2.1	1.5	9.9	137	4.4	176	88	40	0	4	3	2
AK ANCHORAGE	37	23	46	13	30	18	T	-.2	T	2.0	131	.2	33	90	58	0	7	0	0
BARROW	-8	-20	1	-29	-14	0	T	-.1	T	.1	25	T	29	80	70	0	7	1	0
FAIRBANKS	13	-7	25	-23	3	15	.2	.1	.1	1.4	127	.3	97	89	73	0	7	2	0
JUNEAU	40	33	45	30	37	15	1.1	.3	.5	11.6	170	2.5	117	98	83	0	2	3	1
KODIAK	40	35	42	26	38	8	5.5	4.2	1.9	14.1	159	8.3	246	98	76	0	1	6	4
NOME	24	15	30	6	20	13	.1	-.1	.0	.8	77	.4	77	88	61	0	7	3	0
AZ PHOENIX	62	42	67	39	52	0	.5	.4	.5	3.2	255	1.6	367	68	26	0	0	1	1
PRESCOTT	40	17	51	1	29	-9	T	-.2	T	3.0	179	1.3	220	79	39	0	7	1	0
TUCSON	58	33	67	28	46	-5	.3	.1	.3	2.4	169	1.0	192	75	28	0	4	1	0
YUMA	67	46	71	41	56	0	.0	-.1	.0	1.1	194	.5	224	39	16	0	0	0	0
AR FORT SMITH	45	24	52	14	34	-3	.9	.5	.9	5.6	142	1.1	103	93	52	0	6	2	1
LITTLE ROCK	43	26	52	14	35	-5	.8	-.1	.5	5.5	84	1.6	70	76	49	0	5	3	0
CA BAKERSFIELD	45	32	52	18	39	-9	T	-.2	T	1.9	159	1.5	289	98	72	0	4	0	0
EUREKA	56	40	68	34	48	1	.3	-1.3	.2	3.7	35	1.6	39	96	81	0	0	2	0
FRESNO	43	31	54	14	37	-8	T	-.5	T	3.2	114	1.9	166	93	74	0	3	0	0
LOS ANGELES	68	47	75	42	57	2	.0	-.7	.0	4.5	136	1.6	96	71	24	0	0	0	0
REDDING	60	36	69	29	48	2	.0	-2.0	.0	7.6	63	2.6	51	84	36	0	2	0	0
SACRAMENTO	48	34	54	30	41	-4	T	-.9	T	2.6	49	1.0	43	99	73	0	3	1	0
SAN DIEGO	66	44	75	42	55	-2	.0	-.5	.0	3.5	138	1.8	148	83	35	0	0	0	0
SAN FRANCISCO	57	42	63	38	49	1	.1	-1.0	.1	4.6	73	1.9	69	92	55	0	0	1	0
CO DENVER	37	10	52	-5	24	-6	.4	.3	.2	1.4	178	1.2	443	92	39	0	7	4	0
GRAND JUNCTION	26	5	32	1	16	-10	T	-.1	T	.8	84	.2	69	92	58	0	7	1	0
PUEBLO	40	13	62	-6	27	-3	T	.0	T	.6	130	T	29	81	36	0	7	1	0
CT BRIDGEPORT	37	22	55	12	29	0	.4	-.4	.3	5.3	93	1.0	52	72	39	0	6	3	0
HARTFORD	34	15	60	3	25	-1	.7	-.1	.6	4.1	66	1.2	56	81	37	0	7	2	1
DC WASHINGTON	44	26	56	16	35	0	1.3	.7	1.3	8.4	175	3.3	201	73	38	0	6	2	1
FL APALACHICOLA	60	39	73	28	49	-3	1.1	.3	1.0	2.6	47	1.1	53	87	42	0	3	2	1
DAYTONA BEACH	66	41	81	30	54	-4	.1	-.5	.1	2.9	81	1.3	102	83	35	0	1	1	0
JACKSONVILLE	62	38	77	24	50	-4	2.8	2.2	2.7	3.8	92	3.2	196	90	39	0	2	2	1
KEY WEST	73	64	81	56	69	-1	.1	-.3	.0	.8	30	.1	8	86	64	0	0	2	0
MIAMI	73	55	82	46	64	-3	T	-.4	T	.4	12	.2	15	90	52	0	0	1	0
ORLANDO	67	45	82	33	56	-4	.5	.1	.5	.9	29	.6	55	80	38	0	0	1	1
TALLAHASSEE	60	36	74	19	48	-4	1.8	.8	1.8	3.4	47	1.8	68	88	38	0	3	2	1
TAMPA	66	49	78	36	58	-2	.5	.0	.5	1.2	35	.5	42	80	45	0	0	1	0
WEST PALM BEACH	72	51	80	42	62	-4	.2	-.5	.2	2.1	56	.8	50	89	52	0	0	1	0
GA ATLANTA	50	31	62	18	40	-2	.7	-.5	.5	4.5	64	1.8	64	77	36	0	5	3	1
AUGUSTA	56	30	65	14	43	-2	2.5	1.5	1.8	5.7	105	3.2	140	91	39	0	5	2	2
MACON	55	32	66	20	44	-3	3.6	2.6	2.7	8.0	123	4.4	177	89	39	0	4	3	2
SAVANNAH	58	36	69	25	47	-2	3.6	2.9	3.4	5.5	121	3.8	213	81	38	0	3	2	1
HI HILO	78	63	82	58	71	-1	.3	-1.8	.2	16.2	89	1.1	21	92	62	0	0	4	0
HONOLULU	80	63	82	61	72	-1	.2	-.7	.1	1.5	27	.3	13	89	52	0	0	2	0
KAHULUI	80	60	84	58	70	-1	2.3	1.4	1.9	3.9	76	2.4	103	95	57	0	0	2	1
LIHUE	77	62	83	60	70	-2	.3	-1.1	.3	7.9	86	.8	22	90	57	0	0	2	0
ID BOISE	37	24	42	21	31	1	T	-.4	T	.6	27	.3	26	97	62	0	7	1	0
LEWISTON	41	31	46	26	36	4	.3	.0	.3	.7	35	.3	40	93	58	0	5	1	0
POCATELLO	29	14	34	5	22	-2	.1	-.1	.1	.5	29	.2	33	95	69	0	7	3	0
IL CHICAGO	28	9	40	-12	18	-2	.2	-.2	.1	4.1	119	.5	45	87	60	0	6	5	0
MOLINE	31	10	42	-8	21	1	.3	-.1	.2	2.5	87	.7	69	88	58	0	6	3	0
PEORIA	31	10	40	-8	20	-1	.3	-.1	.2	2.8	93	.7	74	88	61	0	7	3	0
QUINCY	33	16	44	2	24	1	.1	-.2	.1	2.2	88	.3	34	87	57	0	6	3	0
ROCKFORD	29	8	40	-10	18	0	.1	-.2	.1	2.4	87	.6	68	83	58	0	7	3	0
SPRINGFIELD	29	9	41	-14	19	-4	.3	-.1	.2	2.3	74	.9	94	85	59	0	6	3	0
IN EVANSVILLE	32	16	47	0	24	-7	.5	-.2	.4	4.5	86	.7	42	85	61	0	6	3	0
FORT WAYNE	29	12	42	-9	20	-3	1.0	.5	.5	3.4	91	1.3	103	88	65	0	6	5	0
INDIANAPOLIS	27	7	44	-22	17	-9	.5	-.1	.4	2.2	47	.7	45	88	60	0	6	4	0
SOUTH BEND	29	14	40	-10	21	-2	.6	.0	.2	2.8	64	1.2	77	92	68	0	6	6	0
IA DES MOINES	33	11	43	-7	22	4	.4	.2	.2	2.9	179	.7	116	82	59	0	7	3	0
SIOUX CITY	31	12	48	-8	22	6	.1	.0	.1	1.4	125	.5	143	90	54	0	7	3	0
WATERLOO	28	7	40	-7	18	4	.3	.2	.2	2.1	128	.5	112	89	65	0	7	3	0
KS CONCORDIA	37	20	50	4	29	4	.2	.0	.2	2.4	224	.7	200	85	51	0	7	2	0
DODGE CITY	41	20	59	7	30	1	.1	.0	.1	2.5	322	.4	150	86	43	0	7	1	0
GOODLAND	31	15	46	-1	23	-4	T	-.1	T	1.6	266	.2	110	89	62	0	7	1	0
TOPEKA	42	22	52	6	32	6	.2	.0	.2	2.9	158	.4	77	78	39	0	6	1	0
WICHITA	41	23	48	11	32	3	T	-.1	T	2.2	159	.1	29	83	44	0	6	1	0
KY BOWLING GREEN	39	22	51	6	31	-3	.9	-.2	.7	9.0	124	1.9	69	92	59	0	6	3	1
LEXINGTON	35	16	52	0	26	-6	.9	.1	.8	10.0	169	2.8	130	86	58	0	6	4	1
LOUISVILLE	35	16	51	-8	26	-6	.7	-.1	.6	7.0	128	1.8	88	79	48	0	6	3	1
LA ALEXANDRIA	50	35	64	25	42	-6	3.5	2.5	1.9	12.0	160	5.0	191	90	49	0	3	4	3
BATON ROUGE	53	36	70	29	45	-6	4.6	3.5	3.1	8.6	112	6.2	233	88	47	0	3	4	2
LAKE CHARLES	53	37	65	30	45	-5	4.1	3.1	2.6	11.2	143	9.0	323	94	52	0	2	4	3
NEW ORLEANS	54	39	73	31	47	-6	3.8	2.7	1.7	8.6	105	5.9	206	87	49	0	1	4	2

Based on 1951-80 normals.

Weather Data for the Week Ending January 18, 1992

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	49	30	61	17	40	-6	2.3	1.4	1.0	10.5	168	3.0	127	93	48	0	5	4	2
ME CARIBOU	17	-2	43	-18	8	-3	.7	.2	.4	4.6	102	2.6	178	81	57	0	7	5	0
PORTLAND	29	9	50	-3	19	-2	1.3	.5	1.3	6.9	102	2.8	126	76	36	0	7	2	1
MD BALTIMORE	38	18	55	7	28	-5	T	-.6	T	4.7	90	.6	32	69	39	0	6	1	0
SALISBURY	47	26	68	11	37	2	.1	-.6	.1	5.6	98	1.3	67	84	40	0	6	1	0
MA BOSTON	36	17	58	7	27	-3	.4	-.5	.4	4.5	65	1.9	79	74	32	0	6	3	0
CHATHAM	36	20	51	6	28	-3	.3	-.7	.3	4.0	53	.8	32	75	47	0	5	2	0
MI ALPENA	21	7	41	-3	14	-4	.2	-.2	.1	2.9	96	1.4	137	88	59	0	7	5	0
DETROIT	28	14	43	-1	21	-2	1.2	.8	.7	3.3	90	1.4	121	88	60	0	6	6	1
FLINT	26	11	43	-3	19	-3	.5	.1	.2	2.9	100	.8	79	88	59	0	7	6	0
GRAND RAPIDS	27	14	40	1	21	-2	.2	-.3	.1	3.6	94	1.0	77	91	61	0	7	5	0
HOUGHTON LAKE	21	10	39	-2	16	-1	.3	.0	.1	2.8	101	1.1	119	86	57	0	7	7	0
LANSING	26	10	40	-11	18	-2	.6	.2	.3	3.3	94	1.2	110	91	62	0	7	6	0
MARQUETTE	15	-1	35	-13	7	-5	.3	-.1	.1	2.2	59	.7	54	92	68	0	7	6	0
MUSKEGON	29	17	40	7	23	0	.3	-.2	.1	2.7	67	.9	63	87	62	0	7	5	0
SAULT ST. MARIE	16	-2	39	-15	7	-6	1.1	.6	.5	4.3	111	1.8	135	85	71	0	7	6	0
MN ALEXANDRIA	14	-9	31	-21	3	-2	.2	.0	.1	1.1	85	.5	90	87	62	0	7	2	0
DULUTH	10	-8	28	-23	1	-6	T	-.3	T	1.1	54	.5	63	78	54	0	7	1	0
INT'L FALLS	4	-14	27	-29	-5	-5	.1	-.1	.1	1.4	101	.5	96	83	60	0	7	2	0
MINNEAPOLIS	19	1	34	-14	10	0	.1	-.1	.0	1.5	110	.4	86	82	58	0	7	2	0
ROCHESTER	21	2	36	-12	12	3	.3	.1	.2	1.9	138	.4	86	87	68	0	7	3	0
MS GREENWOOD	46	29	60	19	38	-5	.9	-.3	.6	9.5	111	1.1	35	89	45	0	5	3	1
JACKSON	49	30	68	20	40	-5	2.7	1.6	1.4	8.2	98	2.9	96	92	43	0	5	3	2
MERIDIAN	50	31	67	22	41	-5	2.1	1.0	1.3	9.9	114	3.0	101	90	41	0	5	3	2
MO CAPE GIRARDEAU	37	22	48	10	29	--	.6	.0	.5	7.3	133	2.2	128	85	55	0	6	2	1
COLUMBIA	32	12	45	-25	22	-6	.3	-.1	.3	3.1	101	.4	34	80	49	0	6	2	0
KANSAS CITY	35	15	47	-16	25	-2	.2	-.1	.2	3.1	139	1.0	132	79	46	0	6	1	0
SAINT LOUIS	34	16	45	-12	25	-4	.4	.1	.4	3.1	96	1.0	95	78	51	0	6	3	0
SPRINGFIELD	36	14	45	-18	25	-7	.5	.1	.4	4.0	114	.6	65	86	55	0	6	3	0
MT BILLINGS	34	14	39	3	24	3	.1	-.2	.1	.4	31	.1	16	76	44	0	7	1	0
GLASGOW	30	5	39	-11	17	9	T	.0	T	.2	36	T	19	89	62	0	7	3	0
GREAT FALLS	35	14	41	2	24	5	.4	.2	.3	.6	42	.5	84	84	61	0	7	3	0
HAVRE	36	8	43	-7	22	11	T	-.1	T	T	4	T	0	89	54	0	7	0	0
HELENA	27	6	33	-5	16	-1	.3	.1	.2	1.1	103	.3	64	91	62	0	7	3	0
KALISPELL	33	20	39	13	26	7	.3	-.1	.1	1.2	49	.6	60	94	64	0	7	3	0
MILES CITY	36	8	44	-12	22	8	.1	-.1	.1	.1	15	.1	20	84	51	0	7	2	0
MISSOULA	31	17	38	7	24	3	.2	-.1	.1	1.3	62	.3	39	91	67	0	7	3	0
NE GRAND ISLAND	34	15	50	0	25	5	.2	.1	.2	3.5	372	1.4	500	84	55	0	7	2	0
LINCOLN	36	17	55	0	27	7	.1	.0	.1	3.0	296	.9	269	82	50	0	7	1	0
NORFOLK	34	12	55	-7	23	6	.1	.0	.1	1.4	158	.6	221	83	49	0	7	2	0
NORTH PLATTE	35	15	49	0	25	4	T	-.1	T	1.6	256	.9	424	87	47	0	7	0	0
OMAHA	33	14	53	-6	24	4	.1	.0	.1	2.4	209	.8	184	78	57	0	7	2	0
SCOTTSBLUFF	35	11	45	-9	23	0	.1	.0	.1	.8	108	.8	289	88	49	0	7	2	0
VALENTINE	32	7	40	-13	20	2	T	-.1	T	.6	118	.6	421	90	61	0	7	0	0
NV ELY	36	4	49	-5	20	-4	.0	-.2	.0	.8	69	.5	121	83	44	0	7	0	0
LAS VEGAS	51	32	58	16	42	-3	T	-.1	T	.7	123	.5	161	66	28	0	2	0	0
RENO	44	19	50	14	32	0	T	-.3	T	1.0	54	.1	18	95	43	0	7	0	0
WINNEMUCCA	41	18	44	12	30	0	.0	-.2	.0	.7	54	.1	18	90	50	0	7	0	0
NH CONCORD	28	7	48	-6	18	-2	.7	.1	.7	4.7	92	1.1	63	79	40	0	7	3	1
NJ ATLANTIC CITY	39	16	57	-8	28	-5	.1	-.7	.1	4.2	75	.5	23	77	41	0	6	2	0
NM ALBUQUERQUE	34	17	40	11	26	-9	1.8	1.7	1.7	3.6	504	2.1	922	93	58	0	7	3	1
CLOVIS	36	19	46	13	28	-9	.7	.6	.5	4.3	499	1.5	521	93	58	0	7	2	1
ROSWELL	38	21	45	13	30	-9	.4	.3	.2	3.4	593	.8	386	94	58	0	7	2	0
NY ALBANY	32	8	58	-3	20	-1	.7	.2	.6	4.1	92	1.1	79	82	43	0	7	3	1
BINGHAMTON	31	13	50	1	22	0	.7	.1	.6	4.0	90	1.2	80	86	52	0	6	4	1
BUFFALO	30	14	54	1	22	-2	.7	.1	.3	4.7	90	.9	50	93	61	0	6	6	0
NEW YORK	42	25	60	15	34	2	.4	-.3	.3	4.3	78	.8	44	72	42	0	5	3	0
ROCHESTER	30	13	51	1	22	-2	.6	.0	.3	3.8	96	.9	65	92	61	0	6	6	0
SYRACUSE	30	11	54	-6	21	-2	1.1	.6	.5	5.0	106	1.9	125	89	61	0	6	7	1
NC ASHEVILLE	47	25	56	11	36	-1	.7	-.1	.6	6.7	132	1.8	98	78	30	0	6	2	1
CHARLOTTE	51	31	62	22	41	1	.2	-.7	.1	5.0	89	2.0	90	69	30	0	4	2	0
GREENSBORO	49	29	60	19	39	2	.1	-.7	.1	5.4	99	2.6	124	72	27	0	6	2	0
HATTERAS	54	37	71	30	46	1	.6	-.5	.5	7.4	102	3.0	105	81	46	0	2	2	0
NEW BERN	55	33	70	22	44	0	.5	-.4	.3	7.8	130	5.0	215	77	34	0	4	2	0
RALEIGH	51	31	62	20	41	2	.3	-.5	.2	5.7	111	3.1	153	73	26	0	4	2	0
WILMINGTON	56	34	69	22	45	0	1.0	.2	.4	5.0	91	2.9	135	77	34	0	3	3	0
ND BISMARCK	25	4	37	-12	15	9	.1	.0	.1	.3	35	.1	39	84	62	0	7	1	0
FARGO	17	-10	35	-23	3	0	.1	.0	.1	1.2	127	.8	252	85	68	0	7	2	0
GRAND FORKS	15	-8	34	-22	4	2	.1	-.1	.1	.9	84	.6	128	81	61	0	7	1	0
WILLISTON	27	-3	37	-23	12	6	.1	.0	.1	.3	41	.1	46	88	67	0	7	3	0
OH AKRON-CANTON	32	15	54	-1	23	-2	.6	.1	.3	4.2	99	.8	54	92	60	0	6	6	0
CINCINNATI	32	11	49	-13	21	-7	.8	.1	.6	7.3	151	2.2	120	84	60	0	6	4	1
CLEVELAND	31	16	45	-2	24	-2	2.4	1.8	1.7	4.9	117	2.7	181	91	58	0	6	7	1
COLUMBUS	29	13	48	-5	21	-6	.5	-.1	.5	4.4	105	.6	39	81	56	0	6	2	0

Based on 1951-80 normals.

Weather Data for the Week Ending January 18, 1992

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTRME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	28	11	45	-8	19	-7	.8	.2	.6	5.5	138	1.9	122	84	65	0	6	3	1
TOLEDO	29	15	43	-4	22	-1	1.0	.6	.5	2.8	72	1.3	102	87	62	0	6	4	1
YOUNGSTOWN	33	16	53	4	24	0	.6	.0	.2	3.3	76	.8	48	90	57	0	6	6	0
OK OKLAHOMA CITY	45	24	58	14	35	-1	1.4	1.2	.8	6.8	393	1.4	251	86	48	0	6	2	2
TULSA	46	25	54	16	35	1	.6	.3	.5	5.3	203	.7	85	79	48	0	6	2	1
OR ASTORIA	48	38	52	33	43	2	.9	-1.6	.8	9.9	55	3.3	50	95	79	0	0	3	1
BURNS	35	14	43	7	24	-3	T	-.3	T	.2	8	.1	6	95	70	0	7	2	0
MEDFORD	47	28	62	23	38	0	T	-.8	T	1.7	30	.6	27	99	70	0	7	1	0
PENDLETON	39	30	45	28	35	2	.3	-.1	.2	1.0	37	.3	30	92	74	0	6	2	0
PORTLAND	48	36	52	30	42	3	.6	-.8	.6	6.2	61	1.9	50	97	73	0	2	3	1
SALEM	48	36	52	28	42	3	.4	-1.2	.4	6.0	53	2.3	53	93	71	0	3	2	0
PA ALLENTOWN	40	21	60	11	30	3	.5	-.3	.4	4.3	75	.8	40	75	41	0	7	4	0
ERIE	33	18	54	6	26	1	1.3	.8	.7	4.8	102	1.6	112	90	57	0	6	7	1
HARRISBURG	41	23	60	13	32	2	T	-.7	T	4.3	87	1.5	84	72	37	0	7	0	0
PHILADELPHIA	40	21	56	15	31	0	.1	-.6	.0	4.2	79	.3	18	67	34	0	5	3	0
PITTSBURGH	35	17	55	2	26	-1	.5	-.2	.2	4.4	103	.7	43	89	54	0	6	5	0
SCRANTON	37	18	56	6	27	2	.6	.1	.5	3.5	92	.8	58	84	45	0	6	4	0
RI PROVIDENCE	37	18	59	5	28	-1	.9	.0	.8	5.6	82	2.4	101	77	35	0	6	3	1
SC CHARLESTON	58	35	67	25	47	-1	1.8	1.1	1.6	4.4	88	2.8	147	74	37	0	3	3	1
COLUMBIA	55	32	65	21	44	-1	1.4	.4	.7	4.6	77	2.0	80	83	36	0	4	4	2
FLORENCE	56	33	65	24	45	0	1.1	.3	.7	4.1	81	2.0	100	76	34	0	4	3	1
GREENVILLE	50	28	61	20	39	-2	.3	-.7	.2	3.9	59	1.0	38	76	29	0	6	2	0
SD ABERDEEN	22	-1	39	-16	10	3	.1	-.1	.1	.7	84	.5	186	85	67	0	7	1	0
HURON	25	6	41	-13	15	5	.2	.1	.2	.7	93	.6	281	83	61	0	7	1	0
RAPID CITY	35	10	47	-11	23	2	.1	.0	.0	.3	49	.3	133	84	52	0	7	2	0
SIOUX FALLS	26	5	41	-13	16	4	.1	.0	.1	.8	77	.6	200	87	64	0	7	1	0
TN CHATTANOOGA	45	26	60	12	36	-3	.9	-.3	.6	11.2	136	3.2	103	82	45	0	6	2	1
KNOXVILLE	42	24	58	9	33	-5	.4	-.7	.2	12.7	173	2.4	88	78	50	0	6	3	0
MEMPHIS	43	27	53	14	35	-4	.8	-.2	.5	8.8	116	1.7	62	82	48	0	5	2	0
NASHVILLE	42	25	53	9	33	-3	1.1	.1	.8	9.5	130	2.2	83	88	58	0	6	3	1
TX ABILENE	44	27	63	15	35	-8	.8	.6	.3	7.2	503	.9	164	88	46	0	5	4	0
AMARILLO	42	20	55	11	31	-4	.4	.3	.3	2.9	370	.6	218	86	42	0	7	2	0
AUSTIN	50	36	58	26	43	-6	.9	.6	.5	16.6	569	2.4	276	85	50	0	2	3	1
BEAUMONT	52	37	62	30	45	-7	8.2	7.3	3.8	22.4	306	10.8	451	91	53	0	2	4	3
BROWNSVILLE	59	44	72	39	52	-8	.2	-.1	.1	3.4	186	2.2	324	91	59	0	0	3	0
CORPUS CHRISTI	54	43	63	35	49	-6	2.5	2.1	2.3	13.2	627	3.4	380	88	55	0	0	3	1
DEL RIO	50	36	57	29	43	-7	.4	.3	.4	3.6	437	.6	204	76	45	0	2	1	0
EL PASO	47	28	52	18	37	-7	.2	.2	.2	4.1	707	.8	386	86	41	0	6	2	0
FORT WORTH	45	30	57	17	38	-6	.9	.5	.4	10.1	371	1.4	137	92	57	0	4	4	0
GALVESTON	53	41	62	31	47	-6	2.9	2.2	1.5	9.3	173	7.0	383	84	53	0	1	3	3
HOUSTON	52	36	59	28	44	-8	4.7	3.9	2.0	15.2	261	5.9	287	88	46	0	1	3	3
LUBBOCK	41	22	57	17	31	-7	.7	.6	.4	3.1	534	.9	410	95	53	0	6	3	0
MIDLAND	45	23	67	15	34	-9	.9	.9	.7	3.4	517	1.1	533	91	45	0	6	4	1
SAN ANGELO	47	29	67	18	38	-7	.4	.2	.2	4.5	463	.6	160	90	44	0	5	4	0
SAN ANTONIO	51	36	61	29	43	-7	.9	.6	.7	16.5	753	2.5	300	83	48	0	2	2	1
VICTORIA	54	38	63	29	46	-6	.9	.5	.3	9.2	288	3.0	283	89	49	0	1	3	0
WACO	49	33	60	19	41	-5	1.2	.8	.7	10.2	361	1.8	191	93	56	0	3	2	1
WICHITA FALLS	48	27	63	17	37	-3	1.5	1.3	.6	8.4	487	1.5	278	93	50	0	6	3	1
UT CEDAR CITY	37	13	45	6	25	-4	.2	.0	.1	.8	79	.4	123	90	50	0	7	2	0
SALT LAKE CITY	35	15	40	6	25	-3	.1	-.3	.0	1.2	54	.8	96	91	59	0	7	2	0
VT BURLINGTON	25	0	49	-11	13	-4	.8	.4	.7	2.6	73	1.2	111	87	52	0	6	3	1
VA NORFOLK	52	33	71	22	42	2	T	-.8	T	5.8	109	3.3	154	70	33	0	4	2	0
RICHMOND	45	26	57	16	35	-1	T	-.7	T	5.6	106	1.1	56	71	36	0	6	1	0
ROANOKE	43	20	58	-10	31	-4	.2	-.4	.2	4.6	101	2.1	126	67	34	0	6	2	0
WA QUILLAYUTE	49	36	51	25	42	4	1.2	-2.1	.9	17.5	67	6.8	77	99	82	0	2	5	1
SEATTLE-TACOMA	46	37	51	28	42	3	.5	-.9	.4	7.4	74	2.1	56	97	71	0	1	2	0
SPOKANE	33	24	39	14	28	3	.2	-.4	.2	1.9	49	.7	48	100	87	0	7	2	0
YAKIMA	37	25	43	19	31	3	.1	-.2	.1	1.5	69	.2	26	97	74	0	7	1	0
WV BECKLEY	33	16	57	-4	24	-6	.1	-.7	.0	6.8	132	.3	17	79	40	0	6	3	0
CHARLESTON	34	18	55	3	26	-7	.2	-.6	.2	6.4	120	.4	21	82	44	0	6	5	0
HUNTINGTON	37	18	55	-2	27	-6	.3	-.4	.1	6.1	121	.8	40	82	44	0	6	4	0
PARKERSBURG	38	18	60	3	28	-3	.4	-.2	.3	5.9	134	.8	48	85	52	0	6	3	0
WI GREEN BAY	21	5	38	-9	13	0	.1	-.1	.1	1.9	89	.5	64	83	54	0	7	2	0
LACROSSE	25	6	40	-7	15	2	.1	-.1	.1	1.9	116	.2	42	81	55	0	6	1	0
MADISON	26	7	39	-7	17	1	.2	.0	.1	2.1	97	.4	62	82	54	0	7	4	0
MILWAUKEE	27	11	41	-5	19	0	.2	-.2	.1	2.7	88	.8	75	80	53	0	6	5	0
WAUSAU	18	-2	41	-17	8	-3	.1	-.2	.0	1.7	92	.3	49	91	70	0	7	2	0
WY CASPER	28	6	38	-15	17	-5	.2	.1	.1	.5	68	.2	61	86	53	0	7	4	0
CHEYENNE	30	9	44	-5	19	-7	.3	.2	.1	.5	79	.3	162	82	48	0	7	3	0
LANDER	26	4	40	-8	15	-4	.2	.1	.2	.8	98	.5	179	89	52	0	7	2	0
SHERIDAN	34	6	46	-13	20	1	.1	.0	.1	.7	59	.1	30	85	50	0	7	1	0

Based on 1951-80 normals.

HEATING DEGREE DAYS (Base 65° F)
January 12 - 18, 1992

(Cumulative totals and departures from normal are for the period July 1, 1991 - January 18, 1992)

STATES AND STATIONS	WEEKLY TOTAL	WEEKLY DEPARTURE	CUMULATIVE TOTAL	CUMULATIVE DEPARTURE	CUMULATIVE DEP fm 90-91
AL BIRMINGHAM	188	30	1454	-78	232
MOBILE	139	28	1008	84	319
MONTGOMERY	160	27	1252	26	286
AK ANCHORAGE	247	-119	5156	-612	-860
BARROW	547	-5	10206	142	170
FAIRBANKS	431	-119	7339	-495	-438
JUNEAU	198	-110	4138	-602	-620
KODIAK	190	-36	4198	-263	-250
NOME	316	-94	6483	-671	-401
AZ FLAGSTAFF	294	35	3261	-248	-151
PHOENIX	89	-2	563	-213	00
PRESCOTT	226	23	2235	-151	-60
TUCSON	134	36	846	-44	62
WINSLOW	307	72	2750	195	-28
YUMA	62	-3	382	-169	-80
AR FORT SMITH	215	19	1728	-122	-72
LITTLE ROCK	211	30	1598	-90	14
CA BAKERSFIELD	172	53	1217	61	-77
EUREKA	117	-9	2080	-272	-35
FRESNO	178	39	1302	-120	-105
LOS ANGELES	51	-14	435	-240	-3
REDDING	123	-17	1258	-116	-193
SACRAMENTO	165	25	1276	-141	-141
SAN DIEGO	44	-12	391	-161	-77
SAN FRANCISCO	109	-10	1177	-354	-45
STOCKTON	163	22	1312	-92	-96
CO DENVER	287	35	3108	122	230
GRAND JUNCTION	344	63	3162	143	-130
PUEBLO	268	16	2994	173	157
CT BRIDGEPORT	249	-1	2315	-192	140
HARTFORD	281	1	2754	-277	185
DE WILMINGTON	219	-19	2128	-293	77
DC WASHINGTON	200	-10	1834	-209	156
FL APALACHICOLA	112	17	750	22	301
DAYTONA BEACH	83	24	379	-60	186
FORT MYERS	37	2	129	-88	85
JACKSONVILLE	111	20	726	-28	269
KEY WEST	8	-4	11	-35	08
MIAMI	21	6	41	-42	36
ORLANDO	66	17	277	-50	149
TALLAHASSEE	124	19	900	11	319
TAMPA	57	8	295	-69	171
WEST PALM BEACH	34	13	91	-23	71
GA ATLANTA	172	8	1390	-195	162
AUGUSTA	155	11	1295	-75	210
MACON	148	12	1184	-43	175
SAVANNAH	125	6	892	-152	212
ID BOISE	240	-10	2901	-90	-474
LEWISTON	202	-34	2564	-279	120
POCATELLO	303	9	3590	-12	-110
IL CHICAGO	327	19	3129	-19	103
MOLINE	310	-12	3123	-123	-71
PEORIA	312	4	2996	-128	-2
QUINCY	284	-10	2833	-75	53
ROCKFORD	323	-7	3333	-124	-29
SPRINGFIELD	295	8	2734	-98	27
IN EVANSVILLE	268	23	2299	-126	149
FORT WAYNE	311	17	2916	-183	148
INDIANAPOLIS	306	30	2618	-209	87
SOUTH BEND	303	9	2975	-120	159
IA DES MOINES	298	-31	3256	-27	02
DUBUQUE	348	-2	3633	-47	34
SIOUX CITY	303	-47	3495	-41	-49
WATERLOO	330	-34	3664	-129	-49
KS CONCORDIA	253	-34	2730	-115	-41
DODGE CITY	241	-11	2605	22	16
GOODLAND	290	22	3018	-60	62
TOPEKA	229	-51	2534	-214	-55
WICHITA	230	-22	2358	-111	-100
KY BOWLING GREEN	237	16	2088	-137	205
LEXINGTON	252	14	2272	-154	199
LOUISVILLE	246	15	2061	-235	151
LA ALEXANDRIA	156	34	1041	-15	08
BATON ROUGE	140	29	887	-29	102
LAKE CHARLES	141	36	858	3	55
NEW ORLEANS	126	28	853	55	226
SHREVEPORT	175	35	1205	-18	-8
ME CARIBOU	400	20	4585	-161	134
PORTLAND	320	16	3337	-245	310
MD BALTIMORE	226	0	2191	-122	240
SALISBURY	203	-7	1961	-181	179
MA BOSTON	267	22	2468	-142	256
CHATHAM	257	19	2373	-266	172
MI ALPENA	355	20	3795	-189	115
DETROIT	306	12	2907	-283	107
FLINT	323	15	3246	-140	68
GRAND RAPIDS	309	8	3257	-78	151
HOUGHTON LAKE	345	9	3766	-229	23
LANSING	325	20	3342	-27	144
MARQUETTE	404	33	4661	25	59
MUSKEGON	294	0	3149	-126	95
SAULT ST MARIE	402	38	4236	-196	04
MN ALEXANDRIA	433	10	4487	-97	132
DULUTH	446	29	4937	23	165
INT'L FALLS	486	24	5176	-198	02
MINNEAPOLIS	381	-3	4111	93	245
ROCHESTER	370	-15	4243	107	210
SAINT CLOUD	421	8	4501	-12	105
MS GREENWOOD	190	34	1348	-121	109
JACKSON	174	34	1240	-38	127
MERIDIAN	168	24	1250	-93	215
MO CAPE GIRARDEAU	249	18	2105	-181	18
COLUMBIA	267	1	2554	-85	66
KANSAS CITY	248	-32	2651	-40	43
SAINT LOUIS	255	-4	2255	-265	52
SPRINGFIELD	256	18	2257	-124	27
MT BILLINGS	288	-27	3308	-308	-188
GLASGOW	334	-72	4032	-479	-498
GREAT FALLS	285	-48	3469	-415	-405
HAVRE	297	-88	3895	-529	-482
HELENA	338	2	4037	-151	145
KALISPELL	268	-60	4005	-353	-188
MILES CITY	301	-63	3575	-458	-370
MISSOULA	287	-25	3777	-303	-168
NE GRAND ISLAND	280	-35	3142	-183	-43
LINCOLN	268	-54	3026	-226	-65
NORFOLK	291	-48	3378	-202	-109
NORTH PLATTE	277	-35	3265	-272	-153
OMAHA	288	-34	3170	6	-70
SCOTTSBLUFF	289	-2	3306	-109	-114
VALENTINE	317	-12	3621	-80	-106
NV ELY	312	25	3645	-157	-84
LAS VEGAS	139	-8	1291	-107	-84
RENO	232	0	2502	-577	-400
WINNEMUCCA	245	-6	2988	-293	-559
NH CONCORD	332	17	3398	-268	185
NJ ATLANTIC CITY	224	-7	2246	-158	134
NM ALBUQUERQUE	279	66	2319	-30	17
CLOVIS	261	62	2351	222	344
ROSWELL	245	77	1986	227	380
NY ALBANY	313	5	3146	-226	203
BINGHAMTON	301	-7	3174	-349	-22
BUFFALO	299	6	2998	-202	189
NEW YORK	221	-10	1968	-335	155
ROCHESTER	300	9	3101	-67	186
SYRACUSE	309	15	3062	-152	136
NC ASHEVILLE	202	1	2008	-198	220
CAPE HATTERAS	133	-7	977	-239	144
CHARLOTTE	165	-10	1426	-319	146
GREENSBORO	178	-18	1733	-261	161
NEW BERN	147	-7	1217	-239	169
RALEIGH-DURHAM	166	-16	1587	-230	190
WILMINGTON	138	-2	1176	-83	271
ND BISMARCK	351	-64	4247	-349	-335
FARGO	427	-5	4519	-173	70
GRAND FORKS	425	-23	4724	-246	-20
WILLISTON	368	-48	4283	-422	-347
OH AKRON-CANTON	289	9	2853	-167	206
CLEVELAND	289	9	2696	-257	100
COLUMBUS	271	5	2564	-259	167
CINCINNATI	277	22	2472	-159	245
DAYTON	298	26	2712	-103	225
TOLEDO	298	4	2892	-323	84
YOUNGSTOWN	284	-3	2900	-268	202
OK OKLAHOMA CITY	219	9	1863	-90	-26
TULSA	205	-8	1774	-186	-32
OR ASTORIA	152	-18	2414	-126	-15
BURNS	282	16	3494	-58	-489
MEDFORD	189	-7	2075	-372	-439
PENDLETON	212	-19	2577	-171	-229
PORTLAND	159	-28	1930	-409	-281
SALEM	162	-20	2071	-373	-281
PA ALLENTOWN	240	-26	2530	-320	40
ERIE	273	-12	2665	-465	166
HARRISBURG	230	-21	2370	-259	70
PHILADELPHIA	219	-19	2061	-342	143
PITTSBURGH	271	3	2640	-292	197
SCRANTON	264	-16	2839	-258	161
RI PROVIDENCE	259	0	2436	-352	102
SC CHARLESTON	127	-2	956	-173	233
COLUMBIA	149	-1	1315	-87	195
FLORENCE	142	-5	1201	-140	207
GREENVILLE	179	11	1567	-127	161
SD ABERDEEN	380	-25	4087	-248	-162
HURON	346	-39	3823	-274	-250
RAPID CITY	294	-21	3432	-195	-204
SIOUX FALLS	343	-32	3865	-126	-130
TN CHATTANOOGA	203	14	1732	-158	260
KNOXVILLE	222	33	1883	-43	277
MEMPHIS	208	26	1579	-115	125
NASHVILLE	220	24	1844	-108	220
TX ABILENE	207	53	1562	134	106
AMARILLO	240	30	2356	160	84
AUSTIN	153	36	919	-38	03
BEAUMONT	140	42	812	11	48
BROWNSVILLE	90	41	386	58	30
CORPUS CHRISTI	114	44	535	12	21
DEL RIO	153	48	826	-59	55
EL PASO	192	45	1484	-44	69
FORT WORTH	188	41	1286	55	-55
GALVESTON	125	35	633	3	55
HOUSTON	144	39	866	26	22
LUBBOCK	235	46	1977	106	188
MIDLAND-ODESSA	216	62	1692	225	220
SAN ANGELO	190	50	1414	129	39
SAN ANTONIO	150	45	873	-13	-30
VICTORIA	131	40	681	-5	-3
WACO	167	27	1132	-8	-53
WICHITA FALLS	203	28	1604	-15	-39
UT BLANDING	282	16	2874	-233	-186
CEDAR CITY	279	27	2971	-22	-285
SALT LAKE CITY	278	19	2926	-49	-201
VT BURLINGTON	366	26	3611	-223	290
VA LYNCHBURG	201	-9	1956	-239	109
NORFOLK	157	-18	1454	-208	228
RICHMOND	178	-24	1729	-287	167
ROANOKE	201	-9	1942	-266	218
WA COLVILLE	264	-24	3458	-305	-249
QUILLAYUTE	157	-28	2643	-304	-110
SEATTLE-TACOMA	163	-21	2100	-452	-272
SPOKANE	255	-25	3242	-322	-285
YAKIMA	236	-28	2875	-336	-361
WV BECKLEY	248	3	2938	125	703
CHARLESTON	240	14	2144	-247	295
HUNTINGTON	239	11	2182	-204	250
PARKERSBURG	256	18	2397	-85	282
WI GREEN BAY	358	-2	3806	-166	80
LA CROSSE	346	-18	3807	37	216
MADISON	336	-14	3602	-199	35
MILWAUKEE	319	-10	3178	-325	107
WAUSAU	396	15	4282	33	220
WY CASPER	334	30	3672	-121	-65
CHEYENNE	319	43	3527	-29	-19
LANDER	346	24	4103	91	157
SHERIDAN	310	-14	3742	-205	-70

Based on 1951-80 normals.

National Agricultural Summary

January 13 - 19, 1992

HIGHLIGHTS: Colder winter weather finally arrived in the Central and Eastern United States, as a cold front pushed through from Canada. Heavy rains in the Gulf region virtually halted field activity.

SMALL GRAINS: Low temperatures during the week caused only minimal freeze damage, as the front was preceded by protective snowfall. Small grain seeding was nearly completed in Arizona, while growth of California's small grains was slowed by cold weather and fog. Broadleaf weed control was ongoing in California, and early topdressing of small grains was underway in Tennessee. Excess moisture caused some yellowing of fields in rain-soaked Texas. Winter wheat condition was reported as fair to good across most of the Nation.

COTTON: Cotton harvest continued in Oklahoma, while the completion of harvest continued to be hampered due to icy, wet conditions in the Plains and Trans Pecos areas of Texas. Some cottonseed still in modules began sprouting Texas' High Plains area, where fields were too wet to move modules. Texas' cotton crop was 98 percent harvested. Cotton stalk shredding continued in Arizona, and ground preparation and herbicide application progressed in California.

OTHER FIELD CROPS: Winter potato digging was active in the Perris-Hemet area of California. Sugarcane harvesting and planting continued in Florida. Tobacco bed preparation neared completion in the South. A few sugarbeet fields remained to be harvested in Texas.

FRUIT AND NUTS: Arizona growers continued picking lemons, grapefruit, oranges, and tangerines. Freezing temperatures caused no significant damage to Florida's citrus crops as water sprays were employed for protection. Early to mid-season orange harvest was slowing in Florida, while movement of white and colored grapefruit was active. Florida tangerine harvest was increasing and quality was good. Fresno County, CA, navel orange harvest slowed due to wet conditions, but Riverside County volume was increasing. The first picking of California avocados yielded large fruit. Pecan harvest was slowed by rains in Texas, and wet fields and scab damage lowered yields. Pecan harvest continued in central Arizona.

VEGETABLES: Lettuce harvest remained active in central and western Arizona. Broccoli and cauliflower supplies were light in California's Salinas-Watsonville and Santa Maria areas, while packing remained active in the central valley. Carrot harvest advanced in the Coachella Valley with good quality. Lettuce packing was active in Blythe, CA, and quality was good. Harvest of winter vegetables continued in Florida with tomatoes, peppers, cabbage, celery, squash, snap beans, and carrots. Onion transplanting continued in Georgia, and cole crop harvest was active in the extreme southeast. Rio Grande Valley lettuce and cabbage harvests began.

PASTURES AND LIVESTOCK: The arrival of bitter cold temperatures in the eastern two-thirds of the Nation stressed livestock and kept producers busy providing feed and water. Stock ponds froze in most regions. Early calving and lambing was underway in the West. Sheep were grazing alfalfa in the Imperial Valley.

State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service.

ALABAMA: Weekend snow, ice storm north central areas; local snow accumulations up to 7 in. Rainfall mostly under 1.00 in. north; 1.00 to 2.00 in. central; 2.00 to 3.00 in. south. Temperatures 6 to 12° below normal.

Wet conditions limited fieldwork most areas central, south. Low temperatures boosted chill hours; no damage to small grains. Primary activities: Turning land; equipment maintenance, repair; making farm plans for 1992; feeding, managing cattle; general care of livestock, poultry, catfish.

ARIZONA: Mostly sunny, west, rainy east, 12th; clear skies statewide, 13th to 17th. Cloudy 18th. Temperatures for period normal to 12° below normal. Extremes 1°; 54° higher elevations, 23°; 70° deserts.

Cotton stalk shredding light to moderate statewide. Alfalfa condition good; sheeping off, light, moderate west. Small grains seeded 95%, 96% 1991, 93% avg.; small grains established, 82%, 83% 1991, 80% avg. Lemons, grapefruit, oranges, tangerines, mixed vegetables, lettuce harvested central, west. Pecans harvested, central.

ARKANSAS: Temperatures averaged below normal, mixed precipitation first of week, heavy snow south Arkansas end of week. Extremes 4°; 61°. Rainfall 0.25 to 1.67 in.

All farming activities normal. The Delta region continued to be saturated. Wheat crop good, however showed some stress from cold, snow. Livestock good, feeding hay and range cubes increased due to weather conditions.

CALIFORNIA: Strong high pressure ridge dominated State during week with dry weather. Central valley fog blanketed inland areas. A weak system brushed northernmost end of the State 17th with scattered light rain accompanied by gusty winds in the Foothills, Sierra Nevada Mountains.

Wet soils hampered progress field activities most areas. Seeding small grains, forages continued. Growth slowed, cold temperatures, lack of sunshine. Broadleaf weed control applications ongoing. Green chopping established alfalfa, southern counties. Air fertilization, weed, insect treatments, new crop fields. Ground preparation, herbicide applications 1992 cotton crop limited progress. New sugarbeets maturing normally. Dormant spraying, pruning, weed control continued, some spraying being slowed due to weather conditions. Bare root nursery stock harvested, replanted Stanislaus County. Grape pruning, tying vines, shredding vine clippings continued. Fresno County's Navel orange harvest slowed due to wet conditions. Harvesting continued Riverside County most citrus, Navel orange harvest volume increasing. Riverside County Deglet Noor date harvest progressed; first picking avocados yielded large fruit. Broccoli light good quality Salinas Watsonville, Santa Maria. Packing continued active central valley areas good quality. Carrot harvest advanced Coachella Valley good quality. Cauliflower supplies light good quality Santa Maria, shipments continued central valley areas. Celery light supply good quality Santa Maria. Central valley fields growing well. Lettuce packing active Blythe area good quality. Fall potato movement Tulelake Butte Valley slightly behind normal, poor market conditions. Winter potato digging active Perris Hemet area. Desert area strawberries progressing well. Other vegetables harvested: cabbage, green onions, various oriental vegetables. Range, pasture fair to good. Growth slowed due to cool weather. Supplemental feeding continued. Water supplies remained short. Calving, lambing continued. Sheep grazing alfalfa.

COLORADO: An arctic front moved over eastern areas on the 14th, 15th with light snow, gusty north winds. Low temperatures on the 15th, 0 to -10° across most of eastern areas. High pressure, no precipitation during the remainder of the week. Mean temperatures 2 to 5° below normal across the east, around 5° below normal in western river valleys. Very cold air remains in the San Luis Valley; temperatures up to 15° below normal.

There is adequate snow cover across the winter wheat growing areas to protect crop from wind damage. Existing snow has made care of livestock difficult for producers. Potato shipments from San Luis Valley continue at record high levels despite low prices.

FLORIDA: Temperatures 6 to 10° below normal except south, 2 to 4° below normal. Highs: middle to upper 70s north, around 80 central, low to middle 80s south. Lows: lower 20s north, upper 20s to low 30s central, low to middle 30s interior south, 40s southeast coast. Rain on 1 to 3 days. Many locations received under 0.85 in. Local areas recorded 1.00 to over 2.00 in.

Soil moisture short to adequate Panhandle, northern Peninsula; adequate southern Peninsula; short central Peninsula. Freezing temperatures did not harm planted tobacco beds. Ground preparation underway for spring planted crops. Sugarcane harvest, planting active. No significant citrus damage from freezing temperatures northern counties. Water sprays used as protection. Trees remain quasi-dormant. Early mid orange harvest slowing; good movement for white, colored grapefruit. Tangelo, Dancy tangerine supplies running out. Temple, Honey tangerine harvest increasing with good quality. Caretakers cutting cover crops, hedging harvested groves. Cool, mostly dry weather prevailed over vegetable producing areas. Limited frost damage. Planting slowed. Harvest winter crops active. Volume leaders: tomatoes, peppers, cabbage, celery, squash, snap beans, carrots. Also available: sweet corn, cucumbers, eggplant, escarole, lettuce, radishes, strawberries, cherry tomatoes. First winter potatoes dug southwest area. State's pastures poor to good. Pasture ratings 35% poor, 35% fair, 30% good. Moisture levels short to adequate. State's cattle herds poor to good.

GEORGIA: Snow, ice storm north central 18th night. Heaviest accumulations Atlanta, LaGrange eastward. Snow depths great as 7 in. Sleet, snow far South as Macon and Columbus, little accumulations reported. Rain totals highest

across Southwest, 1.00 to 2.00 in. common. Rain south 13th, 5.00 in. near Florida border. Cold week. Temperatures 5 to 10° below normal. Warmest temperatures low, mid 50s mountains, upper 60s to low 70s south. Coldest temperatures upper teens to low 20s; single digits coldest mountain locations; mid 20s along coast. Precipitation totals averaged under 1.00 in. North, 1.00 to 3.00 in. central, 3.00 to 6.00 in. south.

Soil moisture adequate to surplus over the State. Onions good, onion transplanting continues, 5% remaining South. Small grains good, seeding complete. Limited amount of nitrogen applications to small grains. Tobacco bed preparation 87% complete, plants good. Wet conditions limited land preparation for spring planted crops. Pruning peach trees. Pastures poor to fair. Feeding hay to cattle. Cattle, hogs good.

HAWAII: Major winter storm at midweek brought high winds, cool temperatures to island chain. Weather before, after cold front pushed through State on 14th, 15th was generally sunny, cool. Wind damage to agriculture generally light with some tree losses, damage to orchard, vine crops in exposed areas.

Days suitable for fieldwork 7.0. Banana plantings suffered leaf stripping caused by wind, hampering future production. Papaya orchards suffered tree losses. Macadamia nut tree losses were light overall, with moderate losses in some localized areas.

IDAHO: Temperatures 4° below to 7° above normal across State. Precipitation fell statewide: Kellogg in the north received the most with 0.88 in.

Soil moisture varied across State. Short in south central; rest of State adequate. Activities: Marketing potatoes, shipping grain and hay, attending meetings, repairing equipment. Hay, roughage supplies adequate. Hay was continuing to be fed. Livestock reported in good to excellent condition.

ILLINOIS: Two winter storms brought arctic air, winds, snow. Temperatures 0 to 8° below normal. Temperatures mid 30s to -10° across the State, with wind chills as low as -40°. Precipitation 0.10 to 0.50 in. leaving soil moisture mostly adequate. Winter wheat conditions continue at mostly fair to good.

INDIANA: Temperatures 2 to 8° below normal. Highs mid 20s to mid 30s. Lows, single digits to mid teens. Extreme low -13°. Precipitation 2 to 7 in. snow. Cold, windy week.

Limited field activity. Other activities: hauling manure, selling grain, soil testing, machinery repair, cleaning fence rows, building maintenance, attending farm sales, purchasing supplies, tax preparation, care of livestock. Winter wheat very poor to average. Hay supplies tight. Livestock mostly good condition.

IOWA: Highly variable temperatures as prevailing mild weather pattern was interrupted twice by very cold arctic blasts. Temperatures 2° below normal east to 6° above normal west. Extremes -15° (Shibley, 15th); 50° (many locations, 19th). Precipitation trace southwest to 0.35 in. northeast. State average 0.12 in.; weekly normal 0.20 in.

Changing temperatures stressful to livestock. Livestock death losses for the winter are running average to below average for cattle, average to above average for hogs.

KANSAS: Temperatures 1 to 3° above normal west; 4 to 7° above normal elsewhere. Light rainfall recorded all areas; 0.05 to 0.23 in.

Temperatures dropped to single digits early in week, moved back to 50s by weekend. Possible scattered freeze damage to wheat. Good secondary root growth continues. Feeding, care livestock, equipment repair major activities.

KENTUCKY: Maximum temperatures mid to upper 30s, 4 to 7° below normal. Minimum temperatures upper teens to 20°, 3 to 7° below normal. Precipitation 0.50 in., 0.25 to 0.50 in. below normal. Exception north, over 1.00 in., 0.33 in. above normal. Snowfall 14th, 15th, less than 1 in. near Ohio River.

Bitter cold temperatures stressed livestock. Producers busy providing feed, water. Stock ponds frozen. Light snow cover provided limited protection for winter wheat. Burley markets beginning to close for season. Sales light with lower prices.

LOUISIANA: Temperatures 4 to 8° below normal. Extremes 18°; 73°. Rainfall 1.25 in. northwest to 5.18 in. south central.

Main activities: Wet conditions continued. Farmers attending various crop production meetings across the State. Cole crop harvest active, extreme southeast. Farm equipment maintenance, repair, livestock care, feeding continued. Crawfishing slowed due to cold weather.

MARYLAND & DELAWARE: MARYLAND: Precipitation 0.28 in. Temperature 36.4°, normal 32.6°. Extremes -1°; 68°.

Activities: Reading seed catalogues, planning for spring planting; caring for feeding livestock; checking on newborn livestock; cutting firewood.

DELAWARE: Precipitation 0.03 in. Temperature 39.0°, normal 33.5°. Extremes 13°; 69°.

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

MICHIGAN: Temperatures 1° above normal to -10° below normal. Extremes -18°; 43°. Precipitation 0.17 to 1.23 in. across the State. Winter is here! Extreme cold temperatures; snow fell on State this past week as a reminder of what winter weather is really like. Snow fell throughout the State.

Weather conditions slowed movement of livestock, in some cases made feeding difficult. Most livestock are in good condition, have adequate feed supplies. Activities: Keeping warm; hauling manure; pruning; start preparing taxes; repairing equipment.

MINNESOTA: Temperatures cooled considerably from previous weeks but still were just 3° below normal to 12° above normal for the State. Extremes -30°; 41°. Precipitation 0.06 to 0.13 in. which is near normal to 0.15 in. below normal for the State. Greatest weekly total 0.19 in. at Grand Marais. Snowfall 1 to 5 in. for the State. Snow depth at weekend 9 to 18 in. for the northeast, north central and east central, 6 in. or less elsewhere.

The mild winter and good hay supplies have been beneficial to livestock producers. The persistent snow cover offers good protection to alfalfa. Wheat, barley deliveries have increased; with higher prices many farmers cleaning out their grain stocks.

MISSISSIPPI: Temperature 39°, 5.1° below normal. Extremes 11°; 73°. Most of the State received above average rainfall. Rainfall 1.67 in.; 0.50 above normal. Soil temperature 46°.

Days suitable for fieldwork 1.5, 0.6 1991, 1.4 avg. Soil moisture 7% short, 27% adequate, 66% surplus. Wheat 66% fair, 34% good. Hay supply, 67% adequate, 33% surplus. Feed grain 100% adequate. Livestock 33% fair, 67% good. Activities: Feeding cattle, shop repairs, planning for spring plantings.

MISSOURI: Temperatures 5° above normal north, west central, normal central, east central, 3° below normal south. Precipitation averaged 0.22 in., ranging from 0.50 to 1.00 in. southeast, little to none north.

Dry weather improving barnyard conditions. Main activity is care of livestock.

MONTANA: Significant precipitation across most western, central areas. Many eastern areas received very little snowfall. Temperatures normal or above. Central areas warmest averaging from 5 to 10° above normal.

Additional snow cover caused grazing to be more difficult. Winter wheat mostly fair to good with improved snow protection.

NEBRASKA: Arctic air moved in, out rapidly; then strong warming took place toward weekend. Precipitation was light, scattered during the early part of the week.

NEVADA: Few scattered snow flurries, overall high pressure, dry weather was the rule. Temperatures averaged near normal, extremes -5°; 61°.

Mild weather easy on livestock, feeding requirements. Lack of precipitation continues to concern farmers, ranchers. Main farm, ranch activities include feeding of livestock, general maintenance.

NEW ENGLAND: Precipitation 0.15 to 1.35 in. north; 0.35 to 1.00 in. south. Temperatures 6° to high teens north, high teens to high 20s south. Maximum temperatures mid 30s north to low 60s south; minimum temperatures -19° north to 9° south.

Major farm activities: tending livestock, cutting firewood and making general repairs.

NEW JERSEY: Temperatures much below normal, averaged 25° north, 28° south, 31° coastal. Extremes 2°; 68°. Precipitation below normal; averaged 0.64 in. north, 0.17 in. south, 0.15 in. coastal. Heaviest 24 hour total 0.38 in. on 14th, 15th.

Farmers selling sweet potatoes, butternut squash from storage; attending meetings, trade shows; caring for livestock.

NEW MEXICO: Unusually cold weather with light precipitation was recorded across all of New Mexico. Temperatures 4° below normal in the northeast plains, northwest plateau to a cold 14° below average in the central highlands. Precipitation was spotty especially over the eastern, northern areas.

NEW YORK: Despite very cold weather during the latter part of the week, temperatures averaged close to normal because it was unseasonably warm early in the week. Precipitation was at or above normal. There was locally heavy snow east of Lake Ontario.

Major activities: caring for livestock, spreading manure, winter chores, attending meetings, maintenance work. Cold weather at end of week made outside activities difficult.

NORTH CAROLINA: Temperatures varied greatly. Extremes 2°; 71°. Snow in the mountains, wind chills 20 to 30° below zero. Precipitation none to 1.46 in.

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

NORTH DAKOTA: Temperatures 2 to 8° above normal. Extremes -30° west central; 49° south central. Precipitation 0.40 in. southeast to 0.13 in. southwest.

Alfalfa, winter wheat, rye in good condition. Cattle in good condition; calving reported some areas; feed supplies adequate. Grain marketings slowed by rail car shortage.

OHIO: Weather conditions changed rapidly as winter entered the Buckeye State with a vengeance. Temperatures dived below zero while snow accumulated from 4 in. to more than 12 in. Daytime highs mid 20s to the mid 30s. Lows were 6 to 16°.

Days suitable for fieldwork 0. Soil temperatures pushed towards freezing with some crusting of soil surfaces; 4 in. depth temperatures hovered mostly in the mid 30s. Many ponds frozen to 1 in. depth. Precipitation totals were greatest in northern, western areas, lightest towards the southeast. Numerous lake effect snow squalls dumped water equivalent totals of more than 2.00 in. on the northeast while 1.00 in. to 1.50 in. amounts were common over the remainder of northern, western areas. In the southeast, amounts held to less than 0.50 in.

OKLAHOMA: Temperatures 9° below normal south central, southeast to 2° below normal northeast, Panhandle. Precipitation none north central, Panhandle to 1.63 in. southeast.

Cotton harvest continues. Cattle prices were higher.

OREGON: Temperatures 3° above normal statewide. Precipitation below normal statewide; northwestern areas 1.00 to 1.50 in., southwestern areas 0.10 in., eastern areas 0.10 to 0.30 in.

Soil moisture mostly adequate. Winter wheat condition fair to good. Orchard, cranberry clean up, pruning continued. Livestock good to excellent. Range, pasture, fair to good across most of State.

PENNSYLVANIA: Cold weather with normal precipitation. Temperature 26°, which is normal. Extremes -5°; 66°. Precipitation 0.61 in., 0.07 in. below normal.

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

PUERTO RICO: Rainfall 0.49 in. was 0.17 in. below normal. Highest rainfall was 1.90 in. at Cerro Maravilla, 1.77 in. at Pico del Este Luquillo, 1.39 in. at Jayuya. Highest 24 hour total 1.08 in. at Corral Viejo. (During the previous week, extreme rainfall was reported, with weekly amounts ranging up to 20.27 in. at Cayey. Highest 24 hour total was 19.56 in. at Cayey.) Divisional temperatures 75 to 76° on the coasts, 69° in the Interior with mean station temperatures 61.1° at Cerro Maravilla to 78.2° at Roosevelt Roads. Extremes 41°; 91°.

SOUTH CAROLINA: Temperatures near normal in the Midlands to 2° below normal elsewhere. Rainfall 1.10 in statewide.

Farm activities: Tobacco seed bed planting nearly complete; land preparation continues; pastures average; livestock condition good.

SOUTH DAKOTA: Temperatures about normal statewide. Extremes -18°; 57°. A fast-moving cold front brought temperatures as low as -10 to -20°. The cold front moved out leaving temperatures up to 30° above normal by late week. Light precipitation was reported throughout the State. Amounts under 0.10 in. in most areas. Highest amount 0.65 in.

TENNESSEE: Mild, wet weather early week under influence of Gulf of Mexico airmass. Widespread light rain 13th followed by strong cold front with colder, drier weather remainder of week. Temperatures 6° below normal. Extremes 2°; 62°. Rainfall 0.50 in. below normal Statewide.

Topsoil moisture short to adequate. Wheat mostly good. Winter pastures fair. Hay, roughage supplies adequate. Cattle, hogs mostly good. Frigid temperatures midweek stressed some herds, especially among newborn, young stock. Mountain coyotes are a growing concern, attacks on young livestock up. Activities: Early top dressing of small grains; marketing tobacco; preparing tobacco plant beds; pruning fruit trees; spring planning; cutting firewood; land preparation; hauling manure; chopping ice in stock ponds; general farm maintenance, repairs.

TEXAS: First of week was dry under west to northwest wind aloft. Disturbance from southwest moved into State 17th, touching off heavy rains over eastern two-thirds of State, as upper flow turned to southwest. Heaviest rains along Upper Coast, South Central Texas, East Texas. Precipitation for week above normal most districts, except North Central near normal, Lower Valley below normal. Arctic air moved into State midweek, keeping temperatures down. Average readings below normal all districts.

Crops: Final cotton harvest hampered another week by icy, wet conditions in Plains, Trans Pecos. Some cottonseed still in modules began sprouting High Plains area, where fields too wet to move modules. Cotton harvested 98% 1991, 100% 1990, 97% avg. Excess moisture, some small grain fields slowed growth, turning yellow. Wet conditions delayed further fertilizing operations. Greenbugs, aphids affecting some fields in Blacklands. Statewide wheat condition 80% of normal compared with 64% 1990. A few sugarbeet fields remain for harvest.

Commercial Vegetables: East Texas, land preparation spring planting slowed by excess soil moisture. Trans-Pecos, land preparation spring vegetables underway. Rio Grande Valley, lettuce, cabbage harvest began. Preparation spring planting continued. Pecan harvest slowed by wet fields. Scab damage causing poor yields.

Range and Livestock: Ranges, pastures continued to produce abundant, low quality forage. Cold, wet conditions slowed small grain growth. Livestock good condition, some cattle moved back onto winter pastures, where conditions allowed. Cooler weather forced additional supplemental feeding. Tank water plentiful.

UTAH: Temperature maximums 6° lower than normal; minimums 5° lower than normal. No precipitation in the Dixie, southeastern Regions; reported precipitation amounts were very light to light elsewhere.

Major farm activities include: care of livestock, income tax filing.

VIRGINIA: Mild with temperatures 2 to 4° above normal except the southwest which was about 5° below normal. Extremes 1°; 71°. Precipitation varied 0.25 in. or less.

Days suitable for fieldwork 2.7. Topsoil moisture 8% short, 80% adequate, 12% surplus. Winter grains, grazing crops 5% very poor, 11% poor, 57% fair, 25% good, 2% excellent. Forage from pastures, winter grazing crops dairy cattle 6%, beef cattle 22%, sheep 19%. Lambing was progressing, tax preparation continued. Other activities: marketing dark tobacco, repairing equipment.

WASHINGTON: Temperatures 4 to 6° above normal west; 2 to 7° above normal east. Precipitation 0.47 to 2.00 in. west; none to 0.63 in. east.

Days suitable for fieldwork 2.7. Soil moisture 29% short, 56% adequate, 15% surplus. Hay, other roughage 18% short, 62% adequate, 20% surplus. Range, pasture 10% very poor, 15% poor, 19% fair, 37% good, 19% excellent. Winter wheat 15% fair, 85% good. Winter barley 11% fair, 89% good. Above normal seasonal temperatures continued to dominated the State. Moist air in the dryland wheat producing areas continue to create excellent conditions. More moisture is needed in most areas to replenish the deep moisture. Pruning continued in all orchard areas with some areas reporting finished. Farmers in Skagit county were negotiating contracts, establishing crop acreage. Early calving and lambing started in portions of the State. Properly managed pastures were in good shape. Some pastures in western areas were starting to green up. Livestock continued on winter feeding programs.

WEST VIRGINIA: Temperature 26°. Extremes 0°; 60°. Precipitation 0.43 in.

Days suitable for fieldwork 2.7. Soil moisture, 12% short, 80% adequate, 8% surplus. Wheat, good. Barley, good. Hay feed supplies, 85% adequate, 15% surplus. Other feed supplies, 19% short, 73% adequate, 8% surplus. Cattle, good. Sheep, good. Farm activities: General maintenance, fencing, calving, lambing.

WISCONSIN: Temperature 7°. Extremes -26°; 39°. Coldest week of the season as wind chills dipped as low as -25 to -50°. Up to 3 in. of snow on 15th in far southwestern areas. Light snow, some flurries on 16th. Up to 3 in. of snow fell, mainly in the Door Peninsula (northeast part of the State).

WYOMING: Temperatures near normal statewide. Precipitation was near to just below normal statewide, well below normal northwest.

1992 Winter wheat fair to good. Additional moisture, protective snowcover needed. Livestock mostly good. Supplemental feeding continuing. Early calving, lambing to begin soon.

International Weather and Crop Summary
HIGHLIGHTS

January 12 - 18, 1992

FORMER USSR ... Overwintering conditions continue favorable for winter grains.

EUROPE ... Cool weather favors dormant winter grains.

EASTERN ASIA ... Seasonal conditions favor northern winter wheat and southern winter crops.

SOUTHEAST ASIA ... Rainfall decreases throughout the region.

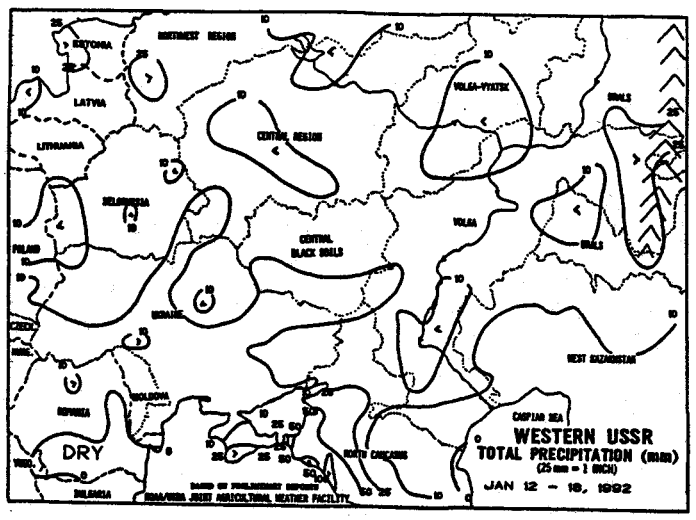
SOUTH ASIA ... Cooler-than-normal weather slows growth of vegetative to heading winter grains.

SOUTH AMERICA ... Drier weather favors fieldwork in Argentina. In southern Brazil, moisture is needed in Parana, while soil moisture is adequate elsewhere.

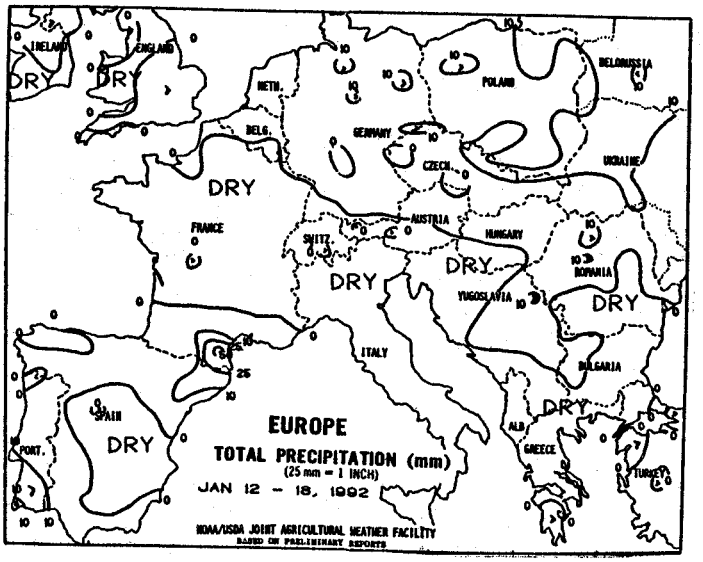
AUSTRALIA ... Persistent dryness begins to stress eastern summer crops.

NORTHWESTERN AFRICA ... Unfavorable dryness stresses winter grains in the vegetative stage.

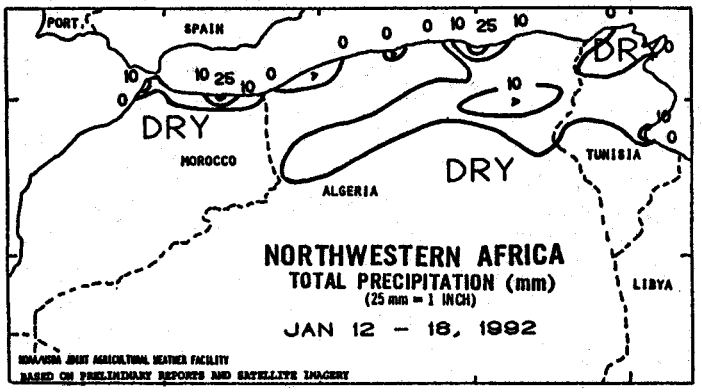
SOUTH AFRICA ... Rain benefits South Africa's eastern corn, but stress continues in the west.



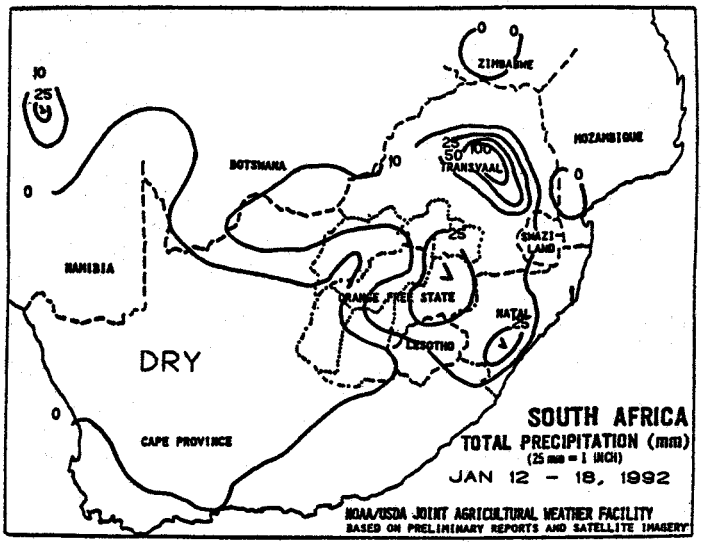
FORMER USSR ... Unseasonably mild weather continued over most of the region, providing favorable overwintering conditions. Extreme cold was confined to winter grain areas in the eastern portion of Central Region and Volga Vyatsk, where lowest minimum temperatures ranged from -23 to -29 degrees Celsius (C). Snow cover in these areas was sufficient to protect winter grains from potential winterkill. Lowest minimum temperatures over western and southern areas ranged from -5 to -15 degrees C. Widespread light precipitation (6-25mm) prevailed over the region, falling mainly as rain in the extreme west and south and snow, elsewhere. Localized moderate rain (25-75mm) covered parts of the Crimea and western North Caucasus.



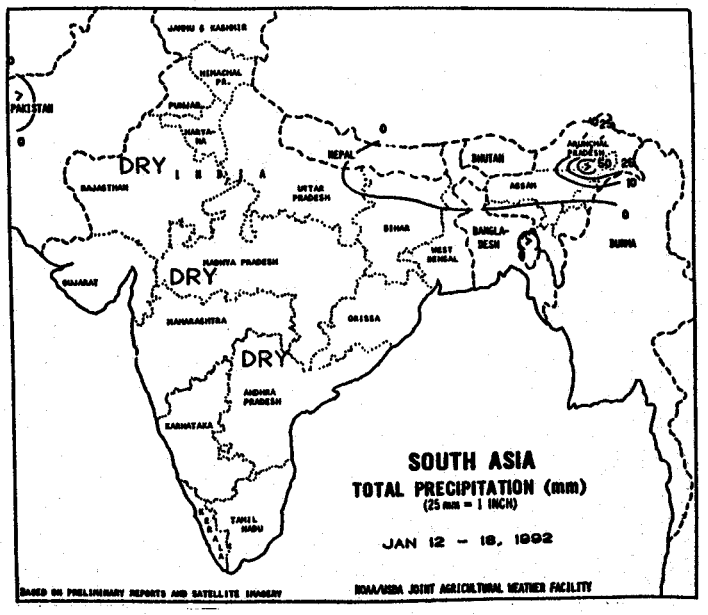
EUROPE ... Mostly dry and relatively mild weather dominated much of the region. Very light precipitation (1-5mm) fell in the northwest from the United Kingdom to western Germany and over the Iberian peninsula. Virtually cloud-free skies prevailed from France, except the extreme south, across Italy to Greece. Light precipitation (1-5mm) was scattered over the Balkans. More significant moisture (5-10mm, with isolated heavier amounts) benefited dormant winter grains in the northeast. Temperatures continued to favor winter crops, with near to above average weekly readings over all but southwestern portions of the continent. Weekly temperatures averaged 1-3 degrees C below normal in southern France and the northern two-thirds of Spain and Portugal. In Spain, minimum temperatures for the week dipped as low as -5 to -9 degrees C in the interior but remained above freezing along coastal citrus areas.



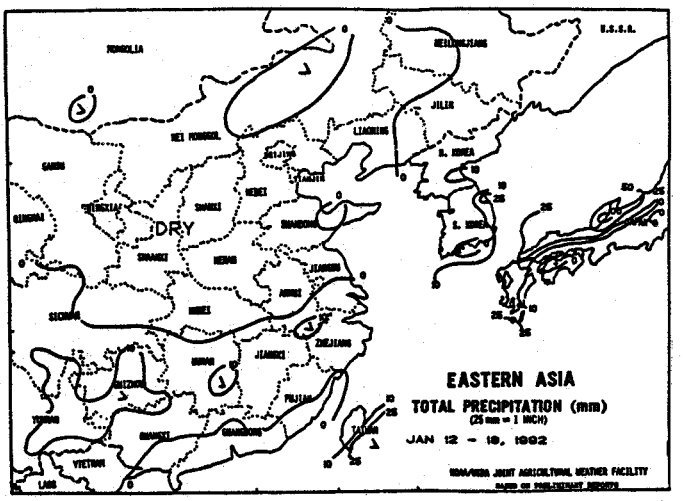
NORTHWESTERN AFRICA ... Little, if any, precipitation covered winter grains in Morocco, Algeria, and Tunisia. Greatest amounts of rain (2-10mm) were confined to southernmost crop areas in eastern Algeria and Tunisia. Continued dry weather over the region has depleted moisture supplies and created stressful conditions for winter grains in the vegetative stage. A developing drought in Morocco and parts of Algeria is causing concern about yield prospects for winter grains. Timely rain is needed throughout the remainder of the growing season, especially during the critical reproductive period of March and April, to prevent serious declines in potential yields.



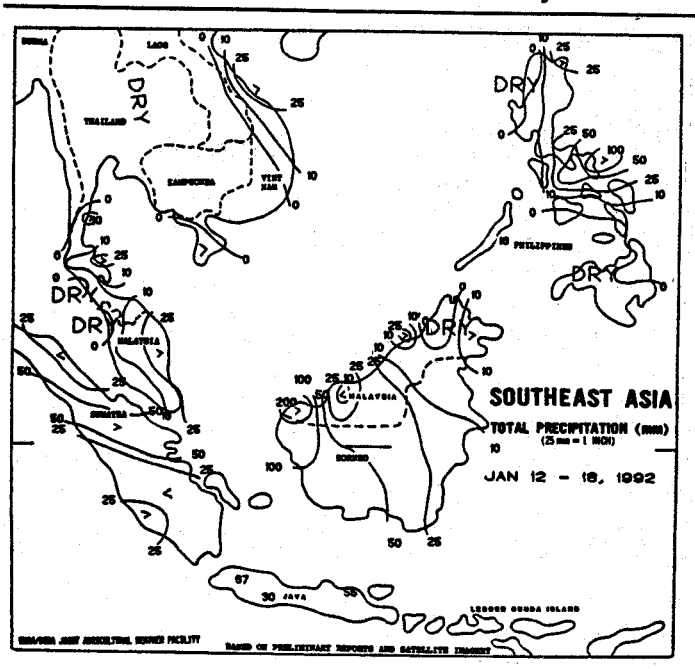
SOUTH AFRICA ... Much needed rain (10-38mm) brought relief to vegetative to reproductive corn in the eastern half of the production area. However, drier- and warmer-than-normal weather continued in central Orange Free State and southwestern Transvaal, increasing stress on crops advancing through reproduction. In fact, temperatures averaged 1-3 degrees C above normal across the primary grain regions, with highs of 34-38 degrees C common in the western corn areas. Drier-than-normal conditions also dominated crop regions of Natal and eastern Cape Province, but temperatures were near normal.



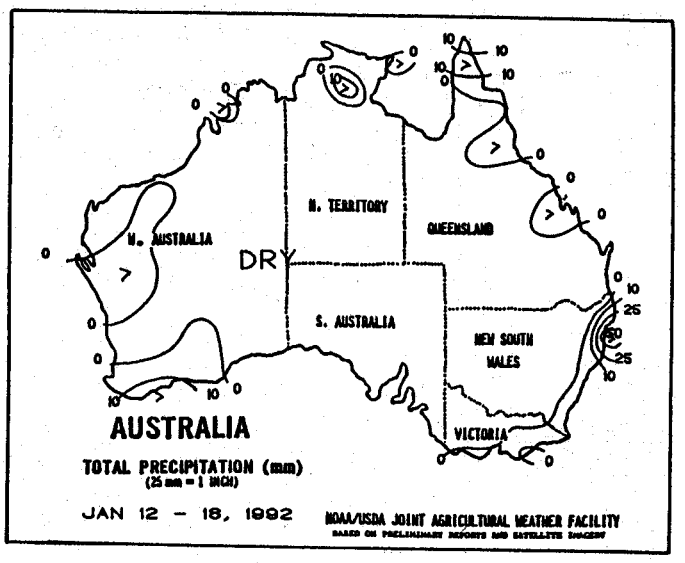
SOUTH ASIA ... Dry, cooler-than-normal weather dominated the region, although moderate rain (10-53mm) lingered over India's far eastern rice areas. Temperatures were cooler than normal, averaging 1-2 degrees C below normal over winter grain and oilseed areas of central and northern India. The cool weather slowed growth of winter grains approaching heading, but freezing temperatures were limited to crop areas from Punjab northward that are further behind in development.



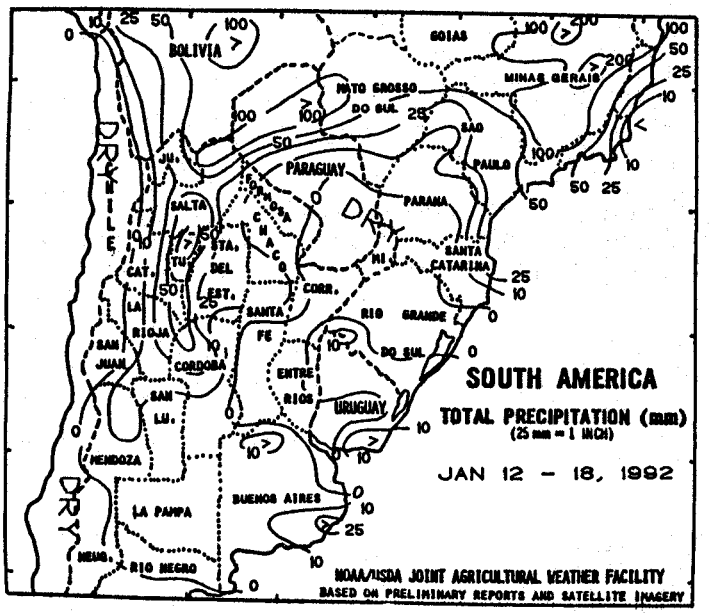
EASTERN ASIA ... Little or no rain fell across most of China, with only portions of the interior south receiving light rain (5-19mm). Seasonal temperatures kept winter wheat dormant across the North China Plain.



SOUTHEAST ASIA ... Rainfall continued to decrease over Malaysia and Indonesia, with most primary crop regions receiving only 10-50mm. The dryness extended northward through Indochina, with most dry season rice areas receiving no rain for the first time in 3 weeks. Temperatures averaged 1-4 degrees C below normal, slowing growth of dry season crops. In the Philippines, moderate to heavy rain (25-135mm) fell over southern Luzon and the northern Visayans as well as grain areas of northeastern Luzon's Cagayan Valley.



AUSTRALIA ... Continued dry and warm weather across the eastern summer crop areas is beginning to stress summer crops, which last received significant rainfall in late December. Weekly temperatures averaged near normal, but late in the week, maximum temperatures approached 40 degrees C, further stressing crops. Little or no rain fell on Queensland sugarcane areas and interior pastures, where moisture is needed.



SOUTH AMERICA ... Light rain (less than 10mm) fell across central Argentina, favoring late soybean planting and winter wheat harvesting in northern Buenos Aires and southern Santa Fe. The drier weather improved field conditions and reduced the potential for future disease problems. Moderate to heavy rain (60-168mm) covered northwestern Argentina, including Salta, Tucuman, and Catamarca provinces, causing some local flooding. No major impact is expected, however, on the lemon and sugarcane crops. In southern Brazil, little or no rain fell from Rio Grande do Sul to northern Parana. Moisture is needed in Parana, due to continued dry conditions. Moderate to heavy rain (49-122mm) covered the northern soybean areas of northern Mato Grosso do Sul, Goias, and Minas Gerais, favoring vegetative soybeans. However, extremely heavy rain (162-267mm) fell in central Minas Gerais causing some local flooding. Weekly temperatures averaged 2-4 degrees C below normal in Argentina and 1-2 degrees C above normal southern Brazil.

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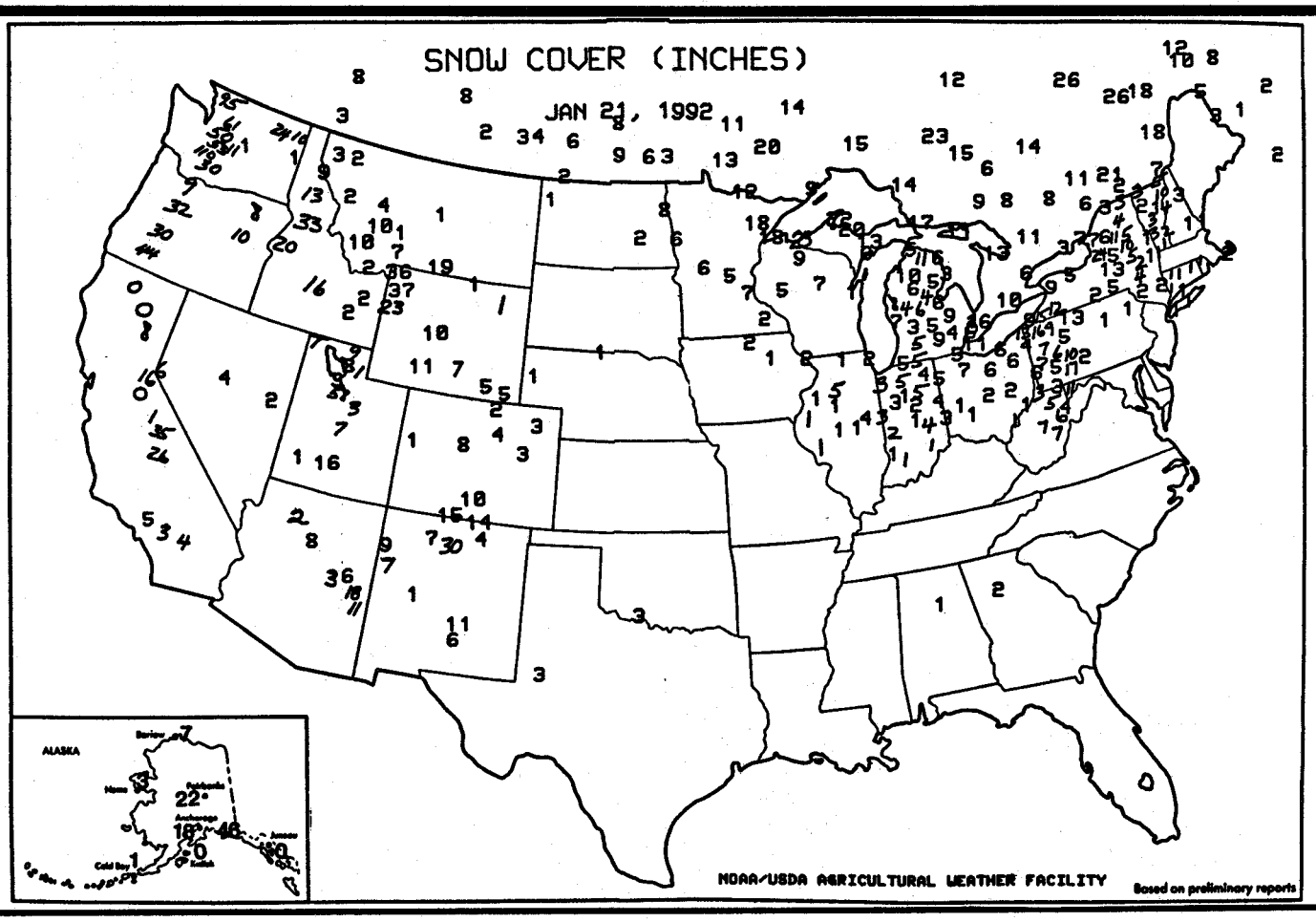
U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service/Climate Analysis Center
Managing Editor . . . . . ***Douglas Le Comte***
Meteorologists . . . . . ***Brad Rippey*** (202) 720-1444
Vilhelm Bjerknes, David Secora, and Wes Byrd.

Subscriptions . . . . . ***Joyce Houston*** (202) 720-7917

U.S. DEPARTMENT OF AGRICULTURE
Economics Management Staff
Editor . . . . . ***Sharon Lee***
National Agricultural Statistics Service
Agricultural Statistician . . . ***Martin Owens*** (202) 720-2157
World Agricultural Outlook Board
Agricultural Weather Analysts . ***Ray Motha*** (202) 720-9805
Tom Puterbaugh, Mark Brusberg, and Bob Stefanski.



NOAA/USDA Joint Agricultural Weather Facility
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