

WEEKLY WEATHER AND CROP BULLETIN

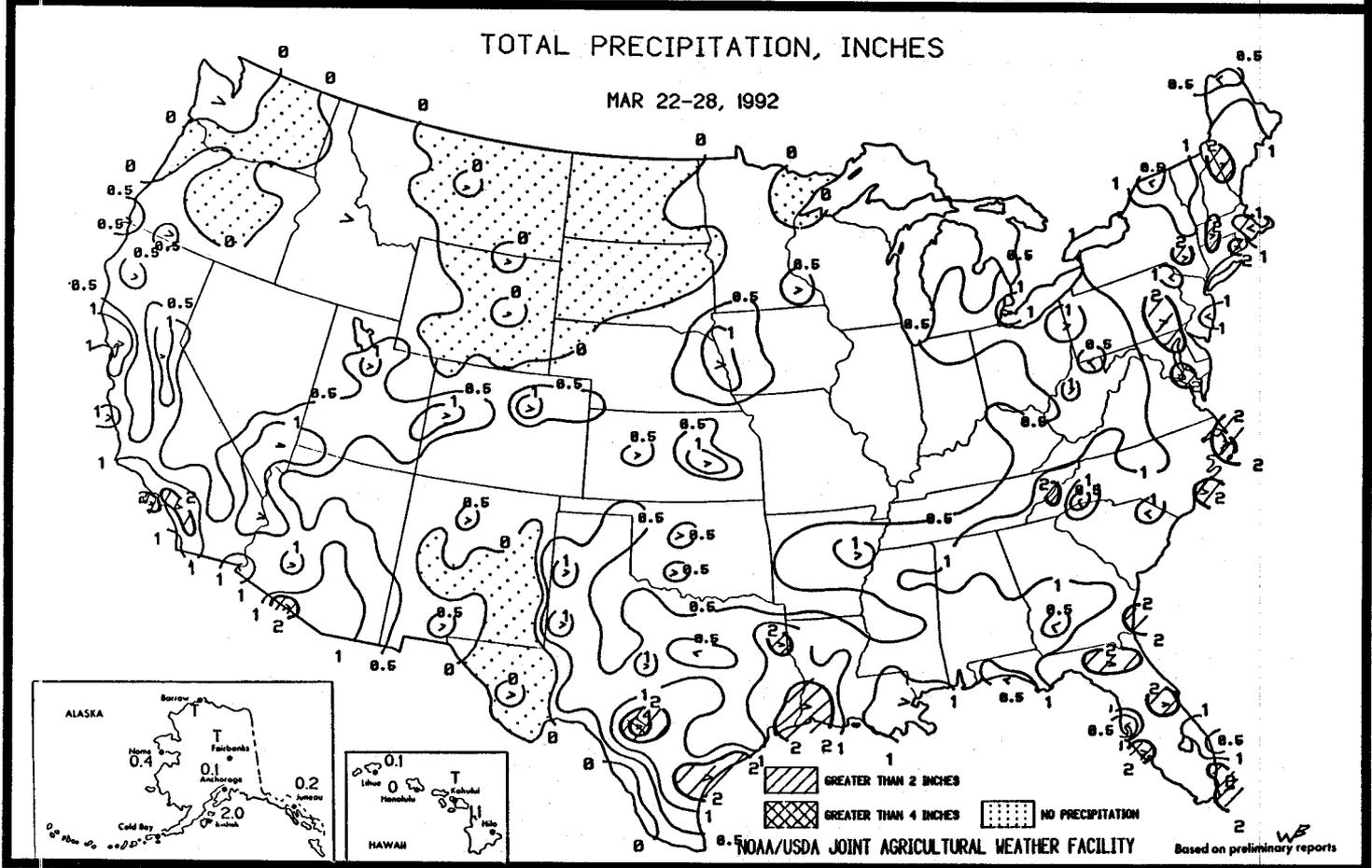
U.S. DEPARTMENT OF COMMERCE
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HIGHLIGHTS

March 22 - 28, 1992

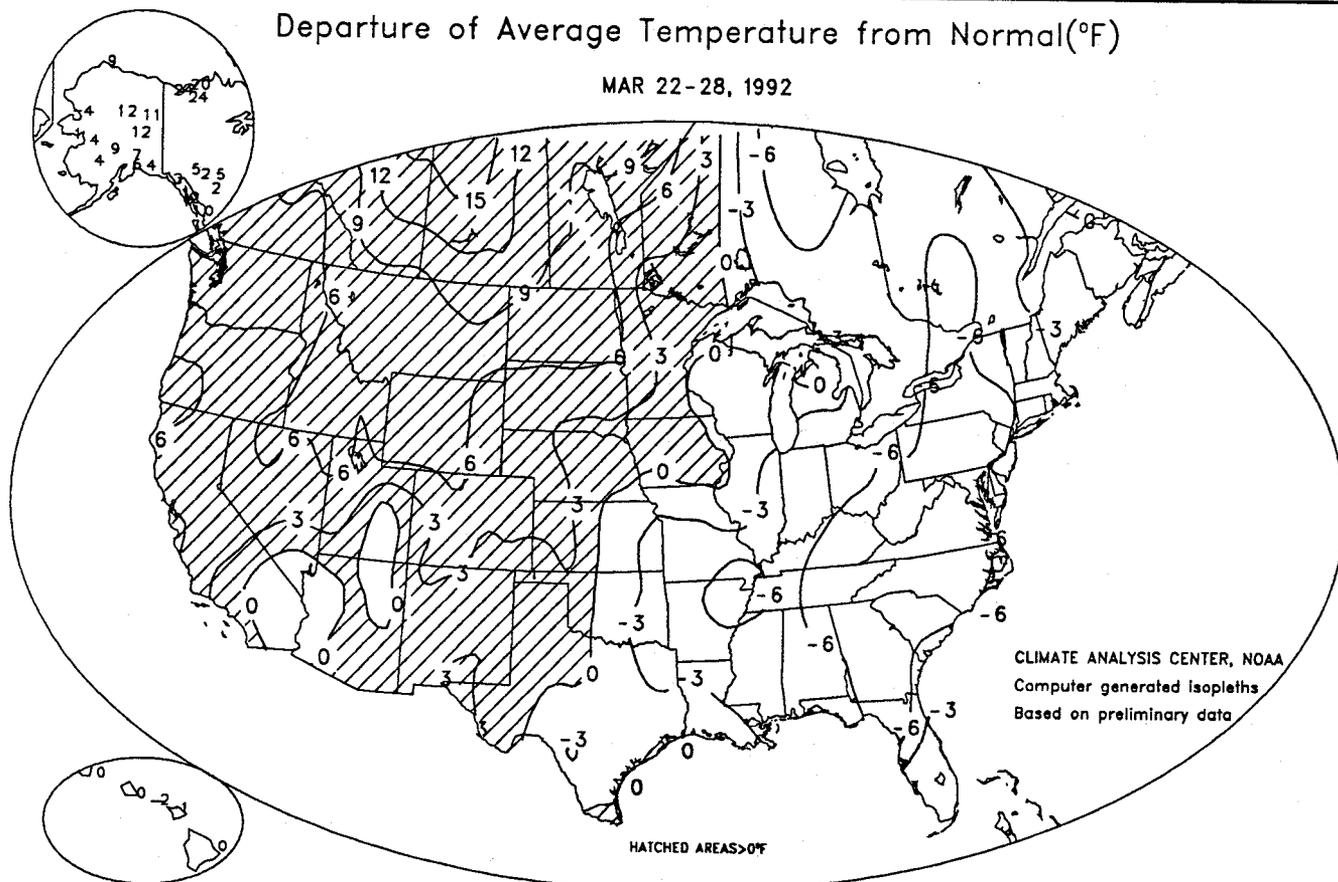
Cold air remained entrenched over the **East** for the third week in a row, while unseasonable warmth and dryness persisted in the **Northwest**. The contrasting airmasses fueled rain and strong thunderstorms across the **Southern and Eastern States**. The week began with one storm exiting the **east coast** and another entering **California**. The departing storm dumped up to 6 inches of snow on the **interior Northeast**, while the western system produced heavy precipitation in parts of **California**. Between storms, cold air poured through the **Plains** before settling into the **East**. On Monday, **Gage, OK**, recorded a low of 17°F. Lows reached 29°F in **Birmingham, AL**, on Tuesday, and 31°F in **Columbia, SC**, on Wednesday. Farther west, thunderstorms erupted on Tuesday from **eastern Kansas to northeastern Texas** and swept eastward. In **Texas** alone, 25 localities reported half-inch hail or larger.
(Continued to back cover)

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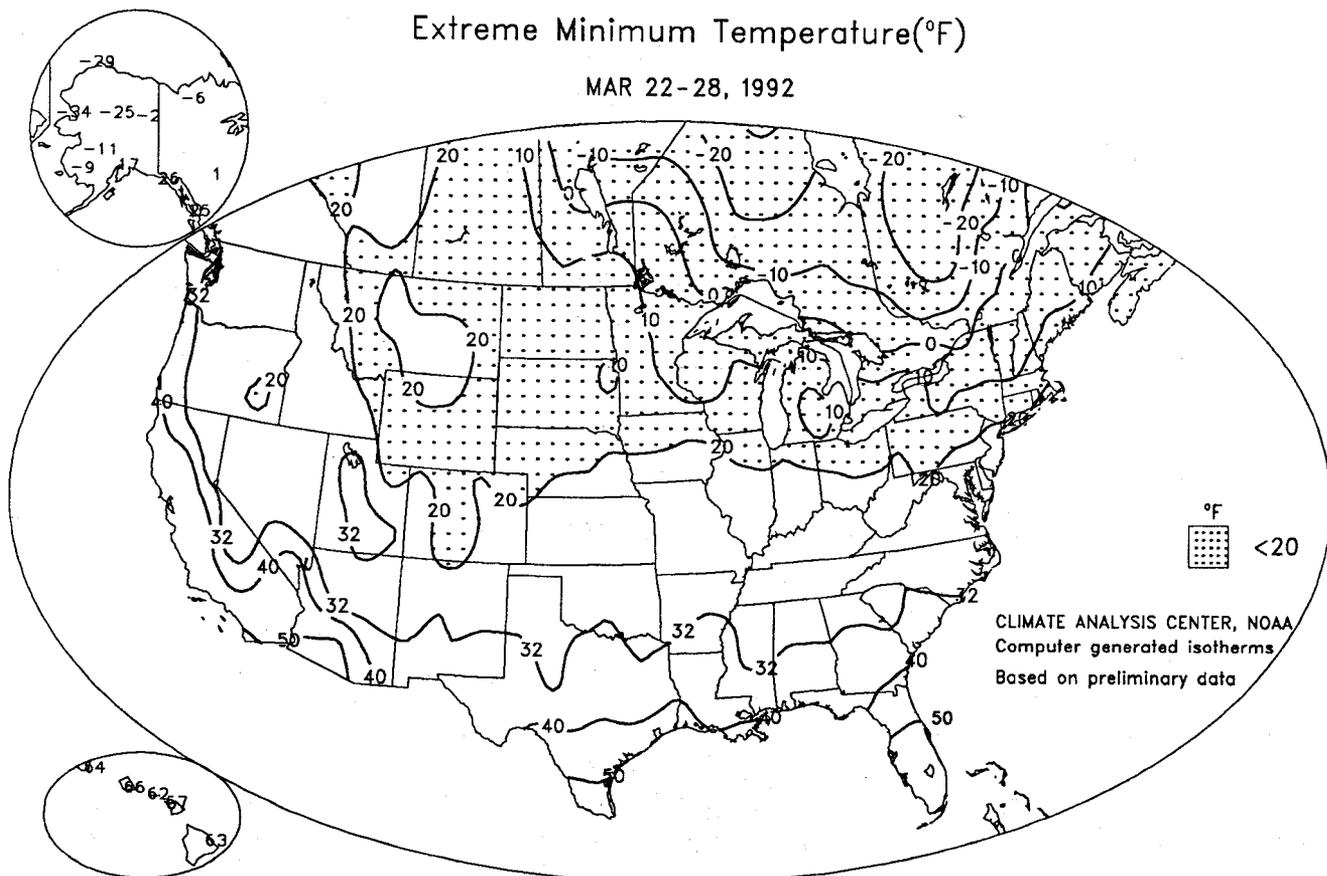
Departure of Average Temperature from Normal(°F)

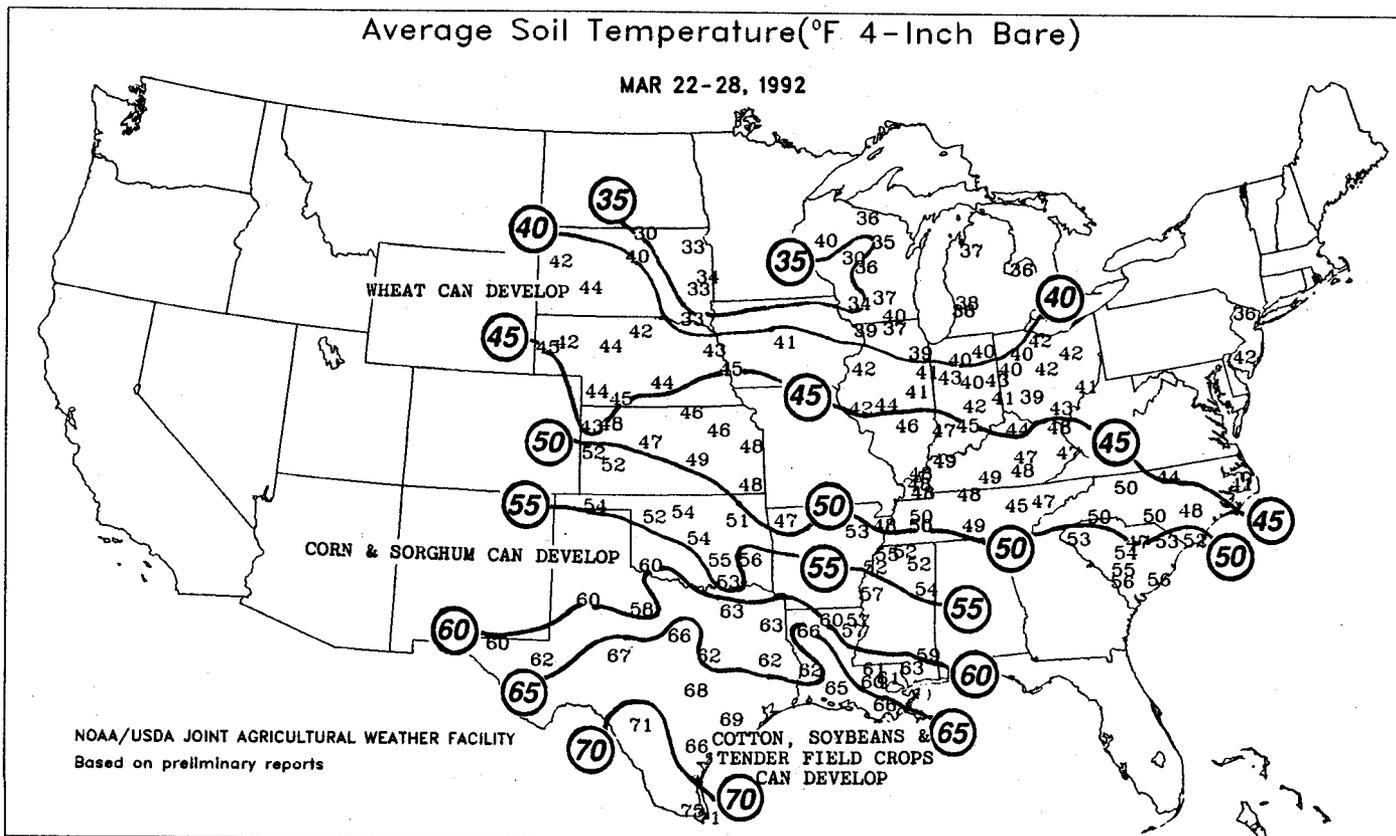
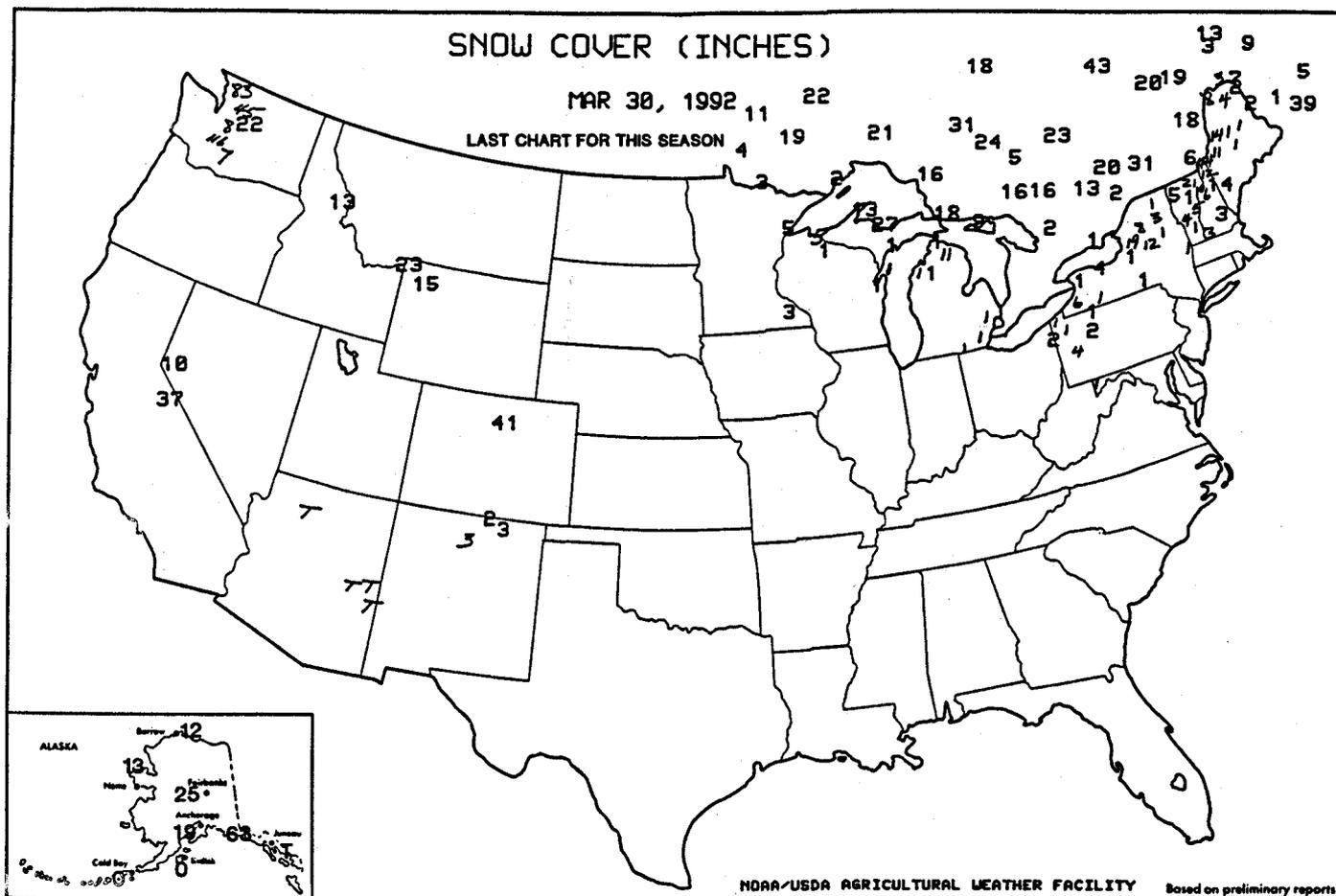
MAR 22-28, 1992



Extreme Minimum Temperature(°F)

MAR 22-28, 1992





National Weather Data for Selected Cities

Weather Data for the Week Ending March 28, 1992

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 Mar 1	PCT. NORMAL SINCE Mar 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	
																		OR MORE	OR MORE		
AL BIRMINGHAM	63	40	72	29	52	-5	.9	-6	.8	3.9	65	11.6	72	89	36	0	1	2	1	1	
MOBILE	69	47	80	36	58	-4	.7	-7	.6	3.4	57	23.2	150	94	44	0	0	2	1	1	
MONTGOMERY	66	43	72	35	55	-5	.8	-5	.6	3.4	63	19.3	136	91	39	0	0	2	1	1	
AK ANCHORAGE	38	27	43	17	33	6	1.1	-1	.1	1.3	53	2.5	112	92	60	0	0	2	1	0	
BARROW	5	-13	13	-30	-4	9	1.1	-1	.1	1.2	200	1.6	78	84	74	0	0	5	0	0	
FAIRBANKS	39	15	47	1	27	12	1.1	-1	.1	1.2	19	1.6	118	86	47	0	0	7	1	0	
JUNEAU	44	31	46	26	38	4	.7	-1	.6	6.9	230	22.9	217	98	52	0	0	7	1	0	
KODIAK	39	27	44	16	33	0	2.0	1.1	1.2	4.8	134	16.0	110	84	54	0	0	4	1	0	
NOME	17	-2	32	-19	8	8	.4	-2	.2	1.2	234	2.1	115	89	71	0	0	7	6	1	
AZ PHOENIX	76	55	85	53	65	0	.7	-5	.6	2.5	334	5.0	244	75	32	0	0	0	1	0	
PRESCOTT	58	35	67	29	46	0	1.3	-1	.2	1.0	129	4.5	180	86	37	0	0	2	0	0	
TUCSON	74	47	86	44	61	1	1.1	1.0	.7	2.1	345	5.2	250	79	28	0	0	0	3	1	
AR FORT SMITH	62	38	69	28	50	1	.5	-4	.5	2.2	63	5.1	64	86	41	0	1	1	0	0	
LITTLE ROCK	59	40	71	32	50	1	.7	-4	.5	7.5	179	11.7	97	79	45	0	1	2	0	0	
CA BAKERSFIELD	72	50	76	45	61	3	.5	-3	.3	1.3	172	5.0	177	91	42	0	0	0	0	0	
EUREKA	61	49	64	46	55	7	.2	-9	.2	2.8	60	10.5	62	89	71	0	0	1	0	0	
FRESNO	72	50	75	45	61	2	.6	-2	.6	1.8	126	8.5	158	88	42	0	0	2	1	0	
LOS ANGELES	66	55	71	51	61	2	1.4	1.1	.7	5.0	311	11.2	157	93	65	0	0	2	2	0	
REDDING	69	46	79	40	57	2	.2	-8	.1	3.4	75	16.6	86	96	49	0	0	0	2	0	
SACRAMENTO	70	50	75	45	60	2	.2	-2	.2	2.0	106	8.8	100	94	49	0	0	2	0	0	
SAN DIEGO	68	56	70	51	62	2	.9	-5	.4	3.9	266	9.0	180	89	61	0	0	4	0	0	
SAN FRANCISCO	66	53	69	50	59	6	1.1	-5	1.1	4.1	173	12.6	122	91	60	0	0	1	1	1	
CO DENVER	57	33	67	26	45	5	1.2	.9	1.1	3.5	323	4.7	209	83	30	0	3	3	1	1	
GRAND JUNCTION	57	37	67	32	47	3	1.2	1.0	1.0	1.7	262	2.3	125	88	42	0	1	5	1	0	
PUEBLO	61	30	68	23	45	2	.1	-1	.1	1.2	198	1.4	127	82	30	0	5	2	1	0	
CT BRIDGEPORT	45	30	56	22	38	-4	1.1	-2	.8	3.5	99	7.6	77	76	46	0	4	3	1	0	
HARTFORD	45	26	58	17	36	-5	1.3	.3	.8	3.5	95	8.5	80	89	44	0	5	3	1	0	
DC WASHINGTON	50	36	58	30	43	-4	1.7	.9	1.5	3.4	109	8.4	98	83	42	0	3	4	1	1	
FL APALACHICOLA	68	50	74	44	59	-4	.7	-2	.7	1.9	51	17.1	156	94	49	0	0	2	1	1	
DAYTONA BEACH	74	54	80	48	64	-2	1.3	.7	1.1	2.3	83	6.4	77	94	49	0	0	3	1	1	
JACKSONVILLE	71	47	80	41	59	-5	1.3	.6	1.1	3.0	98	11.5	118	96	44	0	0	2	1	1	
KEY WEST	79	67	82	63	73	-3	.9	.6	.9	2.8	255	4.3	89	86	57	0	0	1	1	1	
MIAMI	80	64	82	59	72	-1	2.6	2.1	1.7	2.7	159	6.0	103	93	51	0	0	4	2	1	
ORLANDO	77	56	82	52	66	-2	3.3	2.6	3.2	3.7	122	7.4	89	96	46	0	0	3	1	1	
TALLAHASSEE	70	44	82	34	57	-6	1.3	-1	1.2	3.8	75	16.7	112	96	40	0	0	2	1	0	
TAMPA	76	55	79	51	65	-3	.5	-2	.4	.9	28	6.0	71	98	51	0	0	2	0	0	
WEST PALM BEACH	78	62	81	57	70	-1	.3	-3	.3	1.8	73	6.7	86	92	52	0	0	3	0	0	
GA ATLANTA	57	40	67	34	49	-7	1.5	-1	1.0	3.7	69	11.2	75	86	37	0	0	3	1	1	
AUGUSTA	64	36	69	30	50	-7	1.1	.0	.9	3.4	77	12.5	99	97	41	0	1	3	0	0	
MACON	64	40	70	32	52	-8	.6	-6	.4	3.2	68	13.7	101	93	40	0	1	3	1	0	
SAVANNAH	68	46	76	38	57	-4	1.1	.3	1.0	3.0	86	11.9	120	91	36	0	0	2	1	1	
HI HILO	79	65	80	63	72	0	1.1	-1.9	1.1	3.3	27	6.0	17	84	52	0	0	4	1	0	
HONOLULU	82	68	84	66	75	0	.0	-7	.0	.7	21	2.4	25	72	44	0	0	0	0	0	
KAHULUI	81	63	83	58	72	-1	T	-5	T	.2	6	3.6	37	82	51	0	0	0	0	0	
LIHUE	78	67	79	64	73	0	.1	-1.0	.1	1.0	23	5.3	38	83	54	0	0	1	0	0	
ID BOISE	64	35	68	26	49	6	T	-2	T	.2	19	1.4	40	74	25	0	2	1	0	0	
LEWISTON	62	37	69	30	50	5	T	-2	T	.4	42	1.8	56	76	31	0	1	1	0	0	
POCATELLO	58	29	61	19	43	5	T	-2	T	.4	52	1.3	46	86	29	0	5	1	0	0	
IL CHICAGO	47	26	58	17	37	-4	.3	-5	.2	2.2	91	4.5	85	91	44	0	6	3	0	0	
MOLINE	52	30	62	21	41	1	.1	-6	.1	1.1	43	4.2	77	77	32	0	4	2	0	0	
PEORIA	53	29	60	22	41	-1	.2	-6	.2	2.4	92	5.0	88	86	37	0	5	2	0	0	
QUINCY	53	32	61	24	42	-1	.1	-7	.1	2.1	75	4.2	73	82	33	0	4	2	0	0	
ROCKFORD	48	23	59	10	36	-2	.1	-6	.1	2.0	89	4.3	88	89	38	0	7	3	0	0	
SPRINGFIELD	53	32	59	26	43	-2	.2	-6	.2	2.1	76	4.7	77	91	43	0	3	3	0	0	
IN EVANSVILLE	54	32	60	26	43	-5	.4	-7	.3	3.0	72	5.4	52	92	43	0	4	3	0	0	
FORT WAYNE	47	27	56	20	37	-3	.6	-2	.2	2.7	100	5.7	84	91	47	0	6	4	0	0	
INDIANAPOLIS	50	28	58	21	39	-5	.4	-5	.2	2.1	66	4.7	56	96	52	0	6	3	0	0	
SOUTH BEND	44	27	58	18	36	-4	.6	-2	.3	2.6	95	6.0	83	92	50	0	5	4	0	0	
IA DES MOINES	53	30	64	21	41	2	.5	-1	.5	1.9	97	5.0	123	76	25	0	4	1	0	0	
SIOUX CITY	54	26	69	18	40	2	1.5	1.0	1.5	3.6	233	4.9	157	81	29	0	6	2	1	0	
WATERLOO	50	26	66	19	38	2	.1	-5	.1	2.2	111	4.7	126	87	30	0	6	2	0	0	
KS CONCORDIA	54	32	63	25	43	-1	.2	-3	.1	1.6	98	3.3	103	75	34	0	3	3	0	0	
DODGE CITY	62	36	75	26	49	4	.2	-2	.1	1.4	106	2.1	93	82	30	0	3	2	0	0	
GOODLAND	59	31	65	22	45	5	.5	-2	.5	1.9	208	2.6	156	83	31	0	4	1	0	0	
TOPEKA	55	33	60	25	44	-2	.4	-2	.2	4.9	252	7.0	177	85	33	0	3	2	0	0	
WICHITA	57	35	65	24	46	-2	.4	-1	.3	3.4	183	4.5	132	85	39	0	2	2	0	0	
KY BOWLING GREEN	54	34	61	27	44	-6	.4	-8	.3	5.5	109	10.5	77	91	37	0	4	3	0	0	
LEXINGTON	49	32	56	27	41	-7	.5	-6	.2	4.2	95	9.6	85	92	47	0	5	3	0	0	
LOUISVILLE	53	34	60	29	44	-5	.4	-7	.3	5.1	119	8.8	80	85	40	0	4	3	0	0	
LA ALEXANDRIA	70	48	77	36	59	-2	1.1	-1	.7	5.7	128	18.6	136	90	45	0	0	4	1	1	
BATON ROUGE	72	49	82	36	61	-2	.8	-3	.5	4.3	103	21.5	156	95	47	0	0	3	0	0	
LAKE CHARLES	74	52	82	40	63	-1	2.8	2.1	2.7	4.1	146	19.0	175	97	51	0	0	3	1	1	
NEW ORLEANS	72	51	80	42	61	-3	1.8	.7	1.3	6.4	151	25.1	173	97	54	0	0	3	1	1	

Based on 1951-80 normals.

Weather Data for the Week Ending March 28, 1992

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 Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL, IN., SINCE Jan 1		PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.
													90 AND ABOVE				32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	70	45	79	38	57	-2	1.4	.5	1.2	5.7	168	16.8	152	92	39	0	0	3	1
ME CARIBOU	36	16	45	0	26	-2	.8	.3	.6	1.7	79	8.2	122	78	47	0	5	2	1
PORTLAND	40	24	46	10	32	-3	1.6	.7	.8	3.8	107	12.0	109	86	47	0	4	5	2
MD BALTIMORE	48	31	58	23	39	-7	2.3	1.4	2.0	4.5	133	8.2	87	86	44	0	4	4	1
SALISBURY	51	32	58	20	42	-6	1.5	.6	1.4	3.3	88	9.3	88	87	37	0	4	2	1
MA BOSTON	44	30	58	20	37	-4	1.2	.3	.3	3.3	88	8.7	75	89	51	0	4	5	0
CHATHAM	41	31	50	22	36	-3	.9	.0	.3	2.7	75	6.3	51	90	68	0	4	5	0
MI ALPENA	39	20	51	12	30	-2	T	.4	T	1.5	87	4.9	103	91	45	0	7	1	0
DETROIT	44	25	52	12	35	-4	1.0	.4	.6	3.0	130	6.3	107	89	44	0	6	4	1
FLINT	45	23	53	9	34	-3	.4	.2	.2	2.2	116	4.9	100	88	43	0	6	3	0
GRAND RAPIDS	44	23	50	10	34	-3	.6	.1	.4	2.9	126	5.5	94	92	50	0	5	3	0
HOUGHTON LAKE	42	22	49	12	32	0	.4	.1	.2	1.6	93	4.2	94	90	43	0	7	4	0
LANSING	44	20	53	-1	32	-5	.5	.2	.2	2.4	112	5.2	99	94	45	0	5	3	0
MARQUETTE	37	10	45	-3	24	-4	.2	.5	.1	2.7	107	6.7	103	87	55	0	7	2	0
MUSKEGON	43	23	50	13	33	-3	.2	.4	.1	2.2	99	4.9	78	94	50	0	6	3	0
SAULT ST. MARIE	35	13	44	4	24	-4	.1	.4	.1	1.5	84	5.5	95	82	52	0	7	2	0
MN ALEXANDRIA	46	23	60	15	35	5	.1	.3	.1	1.6	147	2.9	108	88	43	0	5	2	0
DULUTH	40	19	53	9	30	2	T	.4	T	.8	52	2.0	55	85	46	0	7	0	0
INT'L FALLS	40	14	52	3	27	1	.1	.2	.1	.5	52	2.9	113	88	45	0	7	2	0
MINNEAPOLIS	46	24	59	10	35	1	.2	.3	.1	1.5	99	2.8	86	83	38	0	6	2	0
ROCHESTER	43	24	58	10	34	0	.6	.1	.6	2.3	148	3.9	126	88	48	0	7	1	1
MS GREENWOOD	66	41	75	32	53	-4	.5	-1.0	.4	3.8	68	9.5	61	89	44	0	1	3	0
JACKSON	68	42	77	32	55	-4	.2	-1.1	.2	2.0	40	10.1	70	89	38	0	1	2	0
MERIDIAN	67	43	75	31	55	-4	.6	.9	.6	4.2	70	15.2	97	86	35	0	1	1	1
MO CAPE GIRARDEAU	57	33	62	27	45	-1	.3	.9	.2	2.4	53	7.7	72	88	45	0	2	3	0
COLUMBIA	55	32	60	26	43	-3	.3	.5	.2	2.4	81	4.9	73	81	32	0	5	5	0
KANSAS CITY	53	33	58	27	43	-3	.2	.5	.1	3.3	140	6.5	134	78	33	0	4	2	0
SAINT LOUIS	56	35	62	28	46	-2	.2	.6	.2	2.0	69	5.0	73	80	34	0	3	3	0
SPRINGFIELD	55	33	64	24	44	-4	.2	.8	T	1.5	49	4.6	66	77	38	0	3	2	0
MT BILLINGS	60	30	67	24	45	9	.0	.3	.0	.7	71	.9	34	65	20	0	3	0	0
GLASGOW	59	24	69	18	42	9	.0	.1	.0	.5	167	.7	79	62	16	0	7	0	0
GREAT FALLS	56	28	64	25	42	7	.1	.2	.1	.4	53	1.1	45	75	26	0	6	1	0
HAVRE	58	21	66	16	40	7	.0	.2	.0	T	2	.2	14	73	19	0	7	0	0
HELENA	58	26	65	20	42	8	T	.2	T	.6	97	1.0	57	76	23	0	7	0	0
KALISPELL	56	25	60	21	40	6	T	.2	T	.9	122	2.9	84	92	31	0	7	1	0
MILES CITY	61	27	72	21	44	9	T	.2	T	.4	83	.5	30	74	18	0	6	0	0
MISSOULA	59	28	62	22	44	7	.1	.1	.1	1.2	163	1.8	60	86	26	0	5	1	0
NE GRAND ISLAND	55	29	66	20	42	2	.5	.1	.4	2.9	215	5.7	212	77	34	0	6	2	0
LINCOLN	55	29	65	23	42	1	.6	.1	.4	2.2	129	4.6	133	81	33	0	4	2	0
NORFOLK	55	27	71	19	41	3	.8	.4	.8	2.5	180	4.6	171	77	30	0	5	1	1
NORTH PLATTE	56	27	68	19	41	3	.3	.0	.3	2.8	289	5.2	270	90	32	0	6	1	0
OMAHA	54	30	65	21	42	1	1.0	.5	.9	3.5	208	6.1	180	78	39	0	4	3	1
SCOTTSBLUFF	61	24	67	11	43	4	T	.3	T	1.2	138	2.9	167	86	24	0	5	0	0
VALENTINE	56	22	66	14	39	3	T	.2	T	1.3	169	2.0	129	81	27	0	6	1	0
NV ELY	55	27	59	25	41	6	T	.2	T	1.2	148	2.4	108	86	35	0	7	1	0
LAS VEGAS	65	48	72	44	57	-1	1.6	1.5	1.3	3.5	981	5.3	405	89	44	0	0	4	1
RENO	62	34	68	31	48	6	.3	.2	.3	.5	80	1.1	38	85	31	0	3	1	0
WINNEMUCCA	62	30	67	21	46	6	.3	.1	.3	1.0	172	1.3	60	79	30	0	4	1	0
NH CONCORD	43	23	56	10	33	-3	1.4	.7	.8	2.6	97	5.8	73	88	46	0	6	4	1
NJ ATLANTIC CITY	49	28	57	18	39	-6	.6	-.3	.4	2.8	77	5.9	56	90	43	0	4	2	0
NM ALBUQUERQUE	63	37	73	33	50	1	.1	.0	.1	.5	118	1.3	107	73	21	0	0	1	0
CLOVIS	66	37	76	30	52	2	.1	.0	.1	.3	67	2.5	179	80	26	0	2	1	0
ROSWELL	74	40	81	36	57	3	T	.1	T	.1	24	1.7	145	69	18	0	0	0	0
NY ALBANY	42	24	54	11	33	-5	.6	-.1	.3	1.6	58	4.7	64	89	44	0	5	4	0
BINGHAMTON	36	22	50	13	29	-7	1.8	1.1	.7	3.2	121	6.8	91	91	53	0	6	4	2
BUFFALO	38	24	54	13	31	-6	1.2	.5	.7	2.9	107	7.3	90	88	49	0	6	6	1
NEW YORK	46	34	60	26	40	-4	1.4	.4	.8	3.9	107	6.8	68	81	42	0	3	3	2
ROCHESTER	38	23	53	11	30	-7	1.7	1.1	1.2	3.5	154	6.8	98	95	56	0	6	4	1
SYRACUSE	38	22	53	9	30	-7	1.8	1.1	.9	3.8	135	8.9	110	93	50	0	6	6	2
NC ASHEVILLE	52	31	59	24	42	-8	.4	-.7	.2	3.4	79	10.2	94	90	41	0	5	3	0
CHARLOTTE	58	38	64	34	48	-5	1.3	.3	.8	4.8	110	12.4	103	82	34	0	0	4	1
GREENSBORO	55	33	61	25	44	-7	1.0	.1	.6	2.7	77	9.3	88	83	36	0	3	4	1
HATTERAS	59	41	63	31	50	-4	3.9	3.1	3.5	7.6	212	16.2	129	85	51	0	1	5	1
NEW BERN	61	37	67	30	49	-6	1.2	.5	.8	2.6	80	11.4	100	90	41	0	2	3	1
RALEIGH	58	34	61	26	46	-6	.7	-.1	.4	3.0	88	9.0	86	91	34	0	3	4	0
WILMINGTON	63	38	70	32	51	-6	1.8	.9	1.5	5.5	149	14.7	135	90	37	0	1	3	1
ND BISMARCK	53	22	62	11	37	6	.0	-.2	.0	.6	100	1.3	85	84	30	0	7	0	0
FARGO	48	24	58	15	36	7	T	-.2	T	1.1	148	2.5	150	88	41	0	6	1	0
GRAND FORKS	45	26	52	17	36	8	T	-.2	T	.8	112	1.8	91	87	45	0	6	1	0
WILLISTON	55	22	63	15	39	8	.0	-.2	.0	.6	114	1.1	79	83	22	0	7	0	0
OH AKRON-CANTON	42	26	51	16	34	-6	1.1	.3	.5	3.5	117	7.4	95	90	56	0	6	4	0
CINCINNATI	50	30	56	23	40	-6	.5	-.4	.3	3.7	105	7.7	81	90	45	0	5	4	0
CLEVELAND	43	27	53	11	35	-5	.8	-.1	.3	2.7	101	8.7	117	92	51	0	4	4	0
COLUMBUS	48	29	55	20	39	-5	.5	-.3	.3	2.9	100	5.6	71	94	50	0	6	4	0

Based on 1951-80 normals.

Weather Data for the Week Ending March 28, 1992

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 Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.		
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
DAYTON	48	28	55	21	38	-6	.4	-.3	.2	2.6	95	6.6	89	91	48	0	5	4	0	
TOLEDO	46	26	54	13	36	-3	1.7	-.6	.6	2.6	109	5.9	96	90	42	0	5	4	1	
YOUNGSTOWN	41	26	52	16	34	-6	1.7	-.9	1.1	3.3	111	7.1	90	92	58	0	5	4	1	
OK OKLAHOMA CITY	64	39	75	27	52	-1	.4	-.2	.2	1.0	54	3.4	82	87	43	0	2	3	0	
TULSA	62	39	74	29	51	-2	1.1	-.7	.1	1.1	39	2.9	49	82	37	0	1	2	0	
OR ASTORIA	58	41	65	34	49	4	1.1	-1.5	.1	1.1	17	16.2	64	95	59	0	0	1	0	
BURNS	59	26	65	22	43	5	.0	-.2	.0	.5	59	1.6	47	82	28	0	6	0	0	
MEDFORD	69	40	74	34	54	.8	.2	-.2	.1	.4	23	1.8	25	99	41	0	0	2	0	
FENDLETON	61	36	69	26	49	3	.2	-.2	T	.3	27	1.7	45	80	34	0	1	1	0	
PORTLAND	65	41	69	31	53	6	T	-.8	T	1.9	57	10.3	77	92	46	0	1	0	0	
SALEM	65	39	69	34	52	6	T	-.9	T	.9	23	10.1	65	88	43	0	0	0	0	
PA ALLENTOWN	43	27	54	17	35	-7	1.1	-.2	.7	3.2	92	6.4	65	87	45	0	4	3	1	
ERIE	41	30	53	20	35	-2	.6	-.1	.3	1.9	74	6.4	90	84	52	0	5	5	5	
HARRISBURG	45	32	57	24	39	-6	2.2	1.4	2.0	5.4	171	8.1	90	79	47	0	4	2	2	
PHILADELPHIA	48	33	58	23	40	-5	1.0	-.1	.7	3.0	86	5.2	54	87	43	0	4	4	1	
PITTSBURGH	45	29	56	20	37	-5	.6	-.3	.4	3.2	99	7.1	83	94	57	0	6	2	2	
SCRANTON	40	25	52	16	32	-8	.8	-.1	.3	2.2	93	4.8	72	87	48	0	6	6	3	
RI PROVIDENCE	45	30	57	21	38	-3	.9	.0	.5	3.6	94	10.5	90	86	49	0	4	4	5	
SC CHARLESTON	67	44	73	38	56	-4	1.7	.7	1.6	3.5	87	10.7	99	90	38	0	0	3	3	
COLUMBIA	64	38	68	31	51	-6	1.6	-.4	1.1	3.3	70	10.6	80	94	35	0	2	0	4	
FLORENCE	64	39	69	33	52	-6	.9	.0	.5	2.0	53	7.5	69	88	32	0	0	0	1	
GREENVILLE	57	36	67	30	46	-8	1.1	-.3	.7	5.3	98	13.9	98	90	45	0	0	4	4	
SD ABERDEEN	54	22	63	13	38	5	.0	-.3	.0	.5	62	1.7	84	84	29	0	2	0	1	
HURON	54	22	68	13	38	4	T	-.3	T	.9	80	2.8	122	83	25	0	6	0	0	
RAPID CITY	59	24	72	15	42	6	.0	-.3	.0	1.6	184	2.1	109	77	23	0	7	0	0	
SIOUX FALLS	52	23	69	16	37	2	.4	.0	.3	2.2	159	4.8	166	84	40	0	6	2	2	
TN CHATTANOOGA	56	37	63	29	47	-6	1.3	-.1	.7	4.5	78	13.4	85	94	28	0	1	3	3	
KNOXVILLE	54	34	59	26	44	-9	1.0	-.3	.6	3.7	74	10.9	78	96	42	0	1	3	2	
MEMPHIS	61	37	68	30	49	-6	.7	-.6	.6	7.0	142	11.0	79	85	41	0	4	2	2	
NASHVILLE	56	36	64	28	46	-6	.4	-.9	.3	4.0	80	9.6	70	89	36	0	1	3	1	
TX ABILENE	72	47	81	33	59	1	.2	-.1	.2	.8	85	6.3	213	79	36	0	0	0	0	
AMARILLO	64	37	72	26	51	1	.5	-.3	.3	1.0	126	1.8	97	82	30	0	2	3	0	
AUSTIN	72	51	80	42	61	-2	1.5	1.1	1.1	5.2	350	16.6	297	92	52	0	0	2	2	
BEAUMONT	74	52	82	45	63	1	2.4	1.7	2.3	3.7	136	21.3	191	94	58	1	0	1	1	
BROWNSVILLE	80	63	93	56	72	1	.1	.0	.1	1	31	5.6	176	94	58	0	0	2	2	
CORPUS CHRISTI	77	57	86	49	67	-2	3.4	3.2	2.2	3.7	534	13.3	351	92	53	0	0	1	2	
DEL RIO	76	55	83	44	65	-1	.3	-.1	.1	2.6	476	8.3	423	74	38	0	0	2	2	
EL PASO	75	48	83	40	62	4	1	-.1	.1	5	171	1.8	162	57	19	0	0	1	0	
FORT WORTH	69	46	80	34	57	-2	.7	-.1	.6	3.2	154	8.9	156	90	44	0	0	2	1	
GALVESTON	71	57	79	47	64	0	1.6	1.1	1.4	2.2	115	19.0	260	92	60	0	0	2	1	
HOUSTON	75	52	82	40	64	0	1.5	-.9	1.5	6.3	265	20.0	216	93	46	0	0	2	1	
LUBBOCK	69	41	83	31	55	2	.8	.6	.8	1.1	134	4.4	255	85	30	0	1	1	1	
MIDLAND	74	43	79	35	58	1	.1	.0	.1	.3	61	4.0	289	80	27	0	0	1	0	
SAN ANGELO	73	44	79	30	59	-2	.5	-.3	.5	1.0	142	6.6	308	87	40	0	1	1	0	
SAN ANTONIO	74	52	85	42	63	-1	1.5	1.2	1.0	5.4	461	17.4	381	93	50	0	0	2	1	
VICTORIA	77	55	85	45	66	-1	.9	-.6	.7	1.0	87	15.1	284	95	48	0	0	3	1	
WACO	72	47	82	35	59	-2	.5	-.1	.5	3.5	200	14.3	260	92	45	0	0	1	0	
WICHITA FALLS	70	42	80	30	56	0	.5	-.3	.1	1.3	78	4.2	117	91	41	0	1	3	0	
UT CEDAR CITY	55	35	61	28	45	4	.6	.3	.3	1.5	153	3.0	123	92	46	0	3	3	0	
SALT LAKE CITY	60	41	64	37	50	7	.4	.0	.2	1.1	72	3.1	74	81	40	0	0	3	0	
VT BURLINGTON	39	22	53	6	31	-3	1.7	.1	.5	2.1	108	5.4	96	97	49	0	5	5	0	
VA NORFOLK	57	37	62	29	47	-5	1.4	-.6	1.1	2.5	71	9.0	86	83	37	0	2	3	1	
RICHMOND	54	32	60	22	43	-8	.7	-.1	.6	1.4	5.9	182	10.4	107	88	39	0	5	2	1
ROANOKE	51	32	56	24	42	-7	.7	-.1	.3	2.5	75	8.8	93	81	37	0	4	3	0	
WA QUILLAYUTE	56	36	60	30	46	6	.1	-.4	.1	1.8	17	33.0	87	99	63	0	1	2	0	
SEATTLE-TACOMA	60	40	67	34	50	3	.4	-.4	.4	1.8	54	12.7	94	93	48	0	1	2	0	
SPOKANE	59	33	65	23	46	6	T	-.3	T	.4	35	4.3	82	80	32	0	2	0	0	
YAKIMA	65	31	69	25	48	4	T	-.1	T	.2	36	1.1	41	81	31	0	5	0	0	
WV BECKLEY	46	30	54	23	38	-8	.5	-.4	.3	4.1	112	8.4	81	83	44	0	5	4	0	
CHARLESTON	50	32	59	28	41	-7	.5	-.4	.3	4.4	121	9.0	88	86	43	0	5	3	0	
HUNTINGTON	51	32	56	24	41	-7	.5	-.5	.3	3.3	89	7.2	74	85	42	0	4	4	0	
PARKERSBURG	48	31	55	23	39	-7	.7	-.2	.5	3.8	118	6.5	75	85	49	0	4	3	0	
WI GREEN BAY	43	22	52	16	33	0	.2	-.3	.2	1.7	104	3.0	77	93	45	0	7	2	0	
LACROSSE	47	25	63	11	36	0	.3	-.2	.3	2.8	165	4.5	127	86	33	0	6	2	0	
MADISON	47	22	58	12	35	-1	.2	-.4	.1	1.7	90	3.8	94	88	38	0	7	3	0	
MILWAUKEE	45	28	55	23	37	1	.2	-.4	.2	2.4	104	5.0	95	86	46	0	6	4	0	
WAUSAU	43	20	53	10	31	0	.1	-.4	.1	2.1	122	3.3	92	96	45	0	7	3	0	
WY CASPER	55	27	62	18	41	7	.1	-.2	.1	1.2	137	1.7	90	78	27	0	6	1	0	
CHEYENNE	53	27	61	18	40	6	.1	-.1	.1	2.5	289	3.0	179	79	27	0	5	2	0	
LANDER	56	30	61	20	43	8	T	-.3	T	1.9	190	2.5	118	72	28	0	5	1	0	
SHERIDAN	58	27	64	21	42	8	.1	-.2	.1	.9	98	1.1	45	81	25	0	5	1	0	

Based on 1951-80 normals.

HEATING DEGREE DAYS (Base 65° F)

March 22 - 28, 1992

(Cumulative totals and departures from normal are for the period July 1, 1991 - March 28, 1992)

STATES AND STATIONS	WEEKLY		CUMULATIVE			STATES AND STATIONS	WEEKLY		CUMULATIVE			STATES AND STATIONS	WEEKLY		CUMULATIVE		
	TOTAL	DEPARTURE	TOTAL	DEPARTURE	DEP fm 90-91		TOTAL	DEPARTURE	TOTAL	DEPARTURE	DEP fm 90-91		TOTAL	DEPARTURE	TOTAL	DEPARTURE	DEP fm 90-91
AL BIRMINGHAM	93	25	2427	-274	228	NEW ORLEANS	28	2	1348	-111	264	CINCINNATI	174	35	4210	-498	154
MOBILE	44	12	1595	-51	329	SHREVEPORT	52	7	1878	-301	-131	DAYTON	190	36	4683	-378	177
MONTGOMERY	71	24	2051	-134	320	ME CARIBOU	270	12	8167	60	481	TOLEDO	202	20	5158	-573	137
AK ANCHORAGE	226	-44	8363	-594	-612	PORTLAND	228	20	6012	-282	665	YOUNGSTOWN	219	36	5216	-454	360
BARROW	477	-70	15870	36	211	MD BALTIMORE	178	48	4118	-106	582	OK OKLAHOMA CITY	92	-5	2848	-638	-171
FAIRBANKS	265	-94	11844	-573	18	SALISBURY	163	37	3722	-218	393	TULSA	96	1	2733	-768	-223
JUNEAU	190	-37	6242	-1081	-699	MA BOSTON	193	27	4733	-85	582	OR ASTORIA	108	-32	3541	-497	-319
KODIAK	221	7	6604	-228	-226	CHATHAM	203	21	4650	-211	471	BURNS	153	-39	5379	-356	-745
NOME	399	5	10833	-520	40	MI ALPENA	245	4	6660	-389	266	MEDFORD	73	-57	3178	-813	-729
AZ FLAGSTAFF	184	-18	5313	-522	-287	DETROIT	211	26	5234	-482	225	PENDLETON	113	-25	3973	-517	-514
PHOENIX	5	-30	770	-612	-97	FLINT	214	9	5726	-367	172	PORTLAND	84	-43	2994	-843	-571
PRESCOTT	129	-15	3691	-437	-234	GRAND RAPIDS	217	19	5649	-346	171	SALEM	92	-44	3191	-794	-559
TUCSON	20	-16	1348	-281	-32	HOUGHTON LAKE	229	-7	6538	-512	59	PA ALLENTOWN	209	48	4689	-435	276
WINSLOW	132	6	4470	166	-100	LANSING	229	31	5822	-228	249	ERIE	207	10	5006	-704	343
YUMA	23	7	498	-444	-177	MARQUETTE	287	19	7761	-212	28	HARRISBURG	183	36	4388	-365	278
AR FORT SMITH	105	17	2745	-532	-199	MUSKEGON	221	20	5537	-381	165	PHILADELPHIA	171	31	3953	-468	405
LITTLE ROCK	105	28	2569	-424	-33	SALT ST MARIE	283	22	7515	-224	167	PITTSBURGH	194	33	4753	-478	353
CA BAKERSFIELD	24	-28	1880	-57	-189	MN ALEXANDRIA	213	-40	7218	-816	-101	SCRANTON	228	50	5234	-303	471
EUREKA	68	-51	2831	-688	-339	DULUTH	245	-21	7943	-452	-36	RI PROVIDENCE	192	20	4650	-430	343
FRESNO	25	-43	2005	-379	-283	INT'L FALLS	261	-17	8439	-694	-127	SC CHARLESTON	64	15	1673	-387	260
LOS ANGELES	29	-22	784	-467	-205	MINNEAPOLIS	205	-13	6642	-458	55	COLUMBIA	95	34	2258	-248	271
REDDING	47	-27	2112	-257	-240	ROCHESTER	217	-12	6867	-405	36	FLORENCE	92	31	2102	-336	240
SACRAMENTO	37	-39	2109	-307	-210	SAINT CLOUD	221	-21	7227	-630	-82	GREENVILLE	129	49	2727	-298	155
SAN DIEGO	16	-26	660	-375	-318	MS GREENWOOD	81	21	2236	-356	27	SD ABERDEEN	188	-41	6448	-1098	-424
SAN FRANCISCO	37	-47	1844	-623	-201	JACKSON	67	16	2014	-277	78	HURON	186	-33	6074	-1080	-465
STOCKTON	32	-39	2115	-275	-214	MERIDIAN	69	16	2037	-328	215	RAPID CITY	163	-44	5222	-1017	-584
CO DENVER	138	-37	4788	-325	44	MO CAPE GIRARDEAU	139	25	3459	-623	-129	SIoux FALLS	192	-20	6125	-851	-310
GRAND JCT.	121	-22	5014	-62	-535	COLUMBIA	149	11	4135	-588	-52	TN CHATTANOOGA	127	40	2950	-380	300
PUEBLO	135	-19	4651	-167	09	KANSAS CITY	149	10	4222	-587	-169	KNOXVILLE	144	57	3202	-191	291
CT BRIDGEPORT	190	22	4495	-230	442	SAINT LOUIS	135	7	3688	-819	-81	MEMPHIS	111	33	2595	-443	78
HARTFORD	204	30	5129	-297	495	SPRINGFIELD	145	22	3630	-600	-142	NASHVILLE	132	38	3101	-992	175
DE WILMINGTON	171	31	4036	-400	310	MT BILLINGS	139	-64	4907	-1212	-599	TX ABILENE	41	-16	2404	-89	104
DC WASHINGTON	152	40	3488	-282	397	GLASGOW	162	-81	6143	-1619	-866	AMARILLO	98	-14	3625	-212	01
FL APALACHICOLA	53	29	1275	-97	410	GREAT FALLS	161	-60	5256	-1277	-782	AUSTIN	26	-7	1379	-333	-88
DAYTONA BEACH	11	-5	734	-148	269	HAVRE	175	-58	5940	-1525	-732	BEAUMONT	21	-7	1248	-202	-4
FORT MYERS	1	-2	211	-229	95	HELENA	159	-59	5987	-869	-171	BROWNSVILLE	0	-5	568	-40	53
JACKSONVILLE	40	15	1257	-122	345	KALISPELL	170	-46	5990	-1005	-692	CORPUS CHRISTI	9	-4	789	-172	-1
KEY WEST	0	0	14	-102	01	MILES CITY	145	-67	5340	-1540	-818	DEL RIO	10	-13	1253	-238	51
MIAMI	0	0	61	-137	16	MISSOULA	148	-53	5656	-919	-631	EL PASO	21	-39	2343	-214	-26
ORLANDO	0	-7	483	-173	173	NE GRAND ISLAND	161	-19	4856	-956	-311	FORT WORTH	52	1	1964	-253	-140
TALLAHASSEE	54	22	1539	-57	393	LINCOLN	161	-12	4748	-1010	-307	GALVESTON	15	-9	994	-235	26
TAMPA	6	-6	537	-200	242	NORFOLK	167	-27	5227	-1050	-433	HOUSTON	19	-7	1318	-193	-33
W. PALM BEACH	0	0	155	-108	63	NORTH PLATTE	164	-27	5048	-997	-397	LUBBOCK	66	-25	3003	-278	128
GA ATLANTA	113	38	2334	-495	126	OMAHA	158	-8	4977	-639	-363	MIDLAND-ODESSA	45	-13	2597	61	194
AUGUSTA	103	43	2259	-188	341	SCOTTSBLUFF	153	-36	5101	-673	-408	SAN ANGELO	44	-3	2164	-61	-27
MACON	92	43	2043	-156	268	VALENTINE	182	-26	5584	-832	-416	SAN ANTONIO	24	-5	1321	-251	-106
SAVANNAH	54	10	1565	-306	276	NV ELY	165	-44	5680	-580	-324	VICTORIA	11	-10	1012	-239	-87
ID BOISE	107	-46	4390	-543	-763	LAS VEGAS	57	-4	2035	-330	-213	WACO	37	-7	1732	-313	-167
LEWISTON	108	-36	3974	-674	56	RENO	117	-46	4022	-953	-613	WICHITA FALLS	63	-6	2484	-377	-99
POCATELLO	149	-42	5404	-579	-482	WINNEMUCCA	131	-45	4658	-652	-785	UT BLANDING	129	-40	4549	-698	-523
IL CHICAGO	198	21	5305	-356	26	NH CONCORD	225	19	6097	-322	427	CEDAR CITY	138	-30	4743	-316	-605
MOLINE	166	-11	5145	-672	-276	NJ ATLANTIC CITY	184	36	4281	-156	398	SALT LAKE CITY	100	-55	4633	-381	-461
PEORIA	166	0	4927	-649	-211	NM ALBUQUERQUE	101	-14	3788	-213	-20	VT BURLINGTON	239	17	6679	-156	765
QUINCY	156	0	4610	-613	-132	CLOVIS	92	-18	3600	-102	372	VA LYNCHBURG	157	44	3537	-391	232
ROCKFORD	204	13	5561	-586	-227	ROSWELL	54	-19	3077	115	456	NORFOLK	128	32	2829	-321	411
SPRINGFIELD	155	4	4498	-602	-187	NY ALBANY	221	28	5765	-269	499	RICHMOND	152	49	3229	-415	349
IN EVANSVILLE	151	33	3837	-489	33	BINGHAMTON	252	42	5834	-441	233	ROANOKE	162	50	3494	-414	356
FORT WAYNE	194	21	5062	-499	107	BUFFALO	234	34	5545	-275	462	WA COLVILLE	126	-53	5213	-831	-633
INDIANAPOLIS	183	33	4421	-635	-103	NEW YORK	172	25	3912	-422	438	QUILLAYUTE	129	-29	3860	-736	-432
SOUTH BEND	205	27	5154	-422	175	ROCHESTER	241	44	5704	-78	480	SEATTLE-TACOMA	102	-39	3244	-868	-575
IA DES MOINES	163	-17	5165	-735	-265	SYRACUSE	243	46	5745	-107	505	SPOKANE	130	-49	4910	-869	-691
DUBUQUE	196	-6	5957	-559	-221	NC ASHEVILLE	162	50	3445	-400	233	YAKIMA	118	-32	4386	-774	-717
SIoux CITY	175	-14	4545	-804	-331	CAPE HATTERAS	105	24	2016	-423	277	WV BECKLEY	189	42	4726	-164	703
WATERLOO	188	-17	5952	-749	-352	CHARLOTTE	117	33	2504	-613	183	CHARLESTON	165	46	3766	-463	308
KS CONCORDIA	151	-1	4230	-827	-232	GREENSBORO	145	47	3086	-476	286	HUNTINGTON	164	47	3800	-412	272
DODGE CITY	112	-27	3997	-558	-170	NEW BERN	108	32	2289	-392	253	PARKERSBURG	178	47	4261	-180	397
GOODLAND	138	-38	4651	-655	-197	RALEIGH-DURHAM	131	42	2830	-445	286	WI GREEN BAY	224	-2	6453	-578	-38
TOPEKA	146	8	4016	-826	-242	WILMINGTON	99	37	2129	-222	346	LA CROSSE	201	-7	6242	-462	32
WICHITA	130	7	3648	-740	-260	ND BISMARCK	192	-51	6679	-1232	-578	MADISON	210	2	6017	-667	-121
KY BOWLING GREEN	146	36	3529	-436	148	FARGO	201	-52	7228	-970	-236	MILWAUKEE	197	-9	5475	-773	23
LEXINGTON	169	44	3888	-457	148	GRAND FORKS	205	-61	7582	-1024	-289	WAUSAU	233	-3	7066	-875	84
LOUISVILLE	147	31	3497	-634	18	WILLISTON	182	-67	6645	-1392	-644	WY CASPER	166	-51	5573	-806	-444
LA ALEXANDRIA	42	2	1644	-262	-63	OH AKRON-CANTON	214	40	5110	-323	404	CHEYENNE	170	-47	5432	-589	-319
BATON ROUGE	29	-1	1394	-240	54	CLEVELAND	207	32	4920	-440	178	LANDER	153	-62	6173	-484	-73
LAKE CHARLES	26	-2	1316	-228	-37	COLUMBUS	183	33	4514	-527	179	SHERIDAN	157	-58	5491	-1098	-560

Based on 1951-80 normals.

LAST TABULATION FOR THE SEASON.

National Agricultural Summary

March 23 - 29, 1992

HIGHLIGHTS: Persistent mild, dry weather in the Northwest, northern Rocky Mountains, and northern Great Plains heightened concerns over soil moisture supplies. Rainfall and below-normal temperatures across much of the Southeast, meanwhile, slowed fieldwork and caused some limited freeze damage to emerged field crops.

SMALL GRAINS: Winter wheat was beginning to head in parts of the Southeast. Crop condition has benefited from recent rains across the eastern half of the Nation and most areas report the crop to be in good condition. Frequent freezing and thawing of soils in the Ohio Valley, however, has stressed winter wheat and much of the acreage is in fair condition. Some low lying wheat in California was yellowing due to excessive moisture, and some barley and oats were lodging. Spring wheat, barley, and oats seeding continued in the West and became more common in the Central States.

OTHER FIELD CROPS: Corn planting progressed between rains in the Southeast, and grain sorghum planting was in full swing in southern Texas and the Rio Grande Valley. Cotton planting was delayed by rains in California and Arizona, but good progress was made in southern Texas. Some alfalfa and barley was greenchopped in southern California, while alfalfa haying was light in Arizona. Rice planting gained momentum in Texas' Upper Coast region and continued in southern Louisiana. Blackbirds and ducks continued to cause serious damage to newly planted rice fields in Louisiana. Potato planting was underway in Oregon and Washington, and was nearing completion along the central Atlantic Coast. Sugarbeets were being planted in Idaho and Wyoming. California safflower planting continued and many fields were emerging. Hop stringing was underway in California.

FRUIT AND NUTS: Arizona harvests of lemons, grapefruit, oranges, and tangerines were active.

Bloom was nearing the end in California apple, cherry, peach, plum, prune, and nectarine orchards. Over 60 percent of California's Navel orange crop was picked, and Valencia orange picking began in the desert areas. Riverside County, CA, harvests of grapefruit, lemons, and avocados were active. Florida Valencia harvest was increasing, and grapefruit movement was slowing. Florida temple and tangerine movement was almost over for the year.

VEGETABLES: Lettuce was being planted in eastern Arizona and harvested in the central and western parts of the State. Artichoke harvest was active along California's central coast, and broccoli and cauliflower movement was moderate. Iceberg lettuce harvest gained momentum in California's Westside and Salinas-Watsonville areas, while leaf and romaine lettuce harvests slowly progressed. Spinach was being harvested in the San Joaquin Valley. Growers were removing frost-preventing hotcaps from tomatoes, cucumbers, and squash in central California, and summer vegetable planting was underway. Dry onion planting was underway in Colorado and Idaho. Strong winds, rain, and hail interrupted work in Florida's vegetable producing areas, but losses were limited. Harvests resumed by week's end in tomatoes, peppers, cucumbers, cabbage, and celery. Summer vegetable planting was increasing along the southern and central Atlantic Coast.

PASTURES AND LIVESTOCK: With calving and lambing well along, death losses continued to be minimized due to the mild weather across much of the West. Movement of cattle off wheat pastures was increasing in Kansas.

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 around 0.25 in. most areas; over 0.50 in. local areas east. Temperatures 3 to 6° below normal.

Days suitable for fieldwork 2.8. Soil moisture 46% adequate, 54% surplus. Acreage intended for spring planting 41%, 49% 1991, 42% avg. Fieldwork progress 51% on schedule; 47% behind normal, 9 days avg.; 2% ahead of normal, 3 days avg. Corn 38% planted, 42% 1991, 45% avg. Winter wheat 11% headed, 14% 1991, 19% avg.; some evidence of damage from recent freeze; conditions 4% poor, 48% fair, 44% good, 4% excellent. Livestock feed now obtained from pastures 45%. Pastures 4% poor, 46% fair, 48% good, 2% excellent. Livestock 3% poor, 28% fair, 68% good, 1% excellent. Primary activities: Preparing land for spring planting; fertilizing pastures; applying lime; planting corn, Irish

potatoes, spring vegetables; scouting wheat; harvesting strawberries; pruning, spraying fruit trees; harvesting, marketing catfish; general care, feeding of livestock, poultry, catfish.

ARIZONA: Partly cloudy, scattered showers, north, central, 22nd, 23rd. Sunny, warmer 24th, 25th. Cloudy statewide 26th, light showers, west. Rain showers, thunderstorms statewide, 27th, 28th. Rainfall range, 0.15 in. north central to 1.29 in. southeast. Temperatures 2° below to 4° above. Extremes 19°; 77°, higher elevations and 35°; 86° deserts.

Cotton planted 12%, 16% 1991, 18% avg. Planting slow due to weather. Activities seedbed preparations, pre irrigation, planting. Alfalfa condition good; weed, insects moderate, harvest light. Small grains jointing, 94%, 80% 1991, 92%

avg.; heading, 43%, 19% 1991, 35% avg. Lemons, grapefruit, oranges, tangerines, mixed vegetables, lettuce harvested central, west. Lettuce planting, east; melon planting central.

ARKANSAS: Temperatures a little below normal, scattered showers first part of week. Extremes 21°; 78°. Rainfall 0.02 to 1.16 in.

Wheat good to excellent. Some reported damage in northern part of State due to freezing temperatures. Little soil preparation done due to excess soil moisture. Pastures in good condition. Northwest reported some early season pastures hurt by freeze. Livestock good.

CALIFORNIA: Low pressure systems produced showers, thunderstorms south, central areas. Temperatures remained normal or above.

Field activities hampered, wet conditions most areas. Small grain growth excellent, more heading evident. Low lying wheat yellowing, excess moisture. Some barley, oats lodging. Small grain broadleaf herbicide applications winding down. Pre plant weed treatments, rice. Alfalfa sprayed, weevils. Alfalfa, barley green chopped, southern counties. Corn, cotton, sugarbeets pre irrigated, sprayed herbicides. Cotton planting progressed, drier areas. Safflower planting continued, many fields emerged. Cultural practices included weed control, fertilization and fungicide application. Grafting, planting of deciduous fruit trees. Apple, cherry, peach, plum, prune, and nectarine trees bloom neared end. Early walnut varieties leafed out. Almonds in full leaf, heavy spring drop. Avocado trees blossomed. Early peach, plum, nectarine fruit developed. Apricots about one-half inch in diameter. New shoots on grapes; kiwifruit vines pushed out. Over 60% Navel orange crop picked; harvest active; heavy grade out. New crop Navel oranges developed buds. Valencia orange picking began in desert areas. Riverside County harvested grapefruit, lemons, avocados. Asparagus harvest San Joaquin Delta, Salinas Valley, other areas. Artichoke harvest central coast. Broccoli, cauliflower movement moderate coastal areas. Iceberg lettuce gained momentum westside, Salinas Watsonville. Leaf, Romaine lettuce harvest slow pace Salinas Watsonville. Desert area cole crops, oriental vegetables planted, harvested. Spinach harvest San Joaquin Valley. Land preparations melons, tomatoes active central valleys. Growers opening hot caps tomatoes, cucumbers, squash central areas. Desert potato harvest continued. Planting green onions, Chinese vegetables, fresh market tomatoes, bell peppers, squash, and cucumbers central valleys. Recent rains benefit rangeland, pasture. Conditions good to excellent. Runoff replenishing stock ponds. Cattle being returned to pasture. Calving, branding active. Supplemental feeding, movement light.

COLORADO: Scattered rain, snow over mountains, western slope 23rd to 24th. Cool, wet over northeast on 27th to 28th. Precipitation generally light, 0.15 to 0.46 in Colorado River Basin; up to 1.55 in. in Platte River Basin. Temperatures 2° below normal to 4° above.

Days suitable for fieldwork 3.5. Limited activity due to wet field conditions. Soil moisture 6% short, 81% adequate and 13% surplus. Oats seeded 15%, 16% 1991, 11% avg.; Barley seeded 22%, 15% 1991, 13% avg.; emerged 4%. Spring wheat seeded 4%, 3% 1991, 3% avg. Dry onions planted 25%, 16% 1991, 14% avg. Winter wheat 2% very poor, 2% poor, 11% fair, 66% good, 19% excellent. Cows calves 65%, 55% 1991, 52% avg.; Ewes lambed 65%, 65% 1991, 54% avg. Death

losses for calves, lambs below avg. Range, pasture feed good to excellent.

FLORIDA: Cool week over State. Temperatures 2 to 6° below normal. Highs lows 80s north, middle 80s south. Lows 30s Panhandle, Big Bend, around 50° interior of south. Rain reported 1 to 3 days Panhandle, Big Bend, southeast coast, on 1 to 2 days elsewhere. Rainfall at most locations of Panhandle, central Peninsula less than 0.50 in. Elsewhere 1.00 to 2.00 in. common, local areas less than 0.50 in. Isolated interior central, south received hail, heavy rain 26th night.

Soil moisture adequate to surplus Panhandle, northern Peninsula; short to adequate central, southern Peninsula. Field preparations active for spring planted crops. Corn planting active. Tobacco transplanting virtually complete. Sugar-cane harvest complete. Cool weather slowed corn growth northern areas. Citrus groves, trees very good to excellent condition. Moisture adequate. Peak bloom past, lots of new growth. Valencia harvest increasing, grapefruit movement slowing as supplies are low. Temple, tangerine movement almost over for this year. Caretakers cutting cover crops, hedging, topping harvested groves, post bloom nutritional spraying. Strong winds, rain, hail dominated weather over much of vegetable producing areas. Losses limited, crop condition lowered. Harvest resumed active by week's end. Volume leaders: tomatoes, peppers, cucumbers, cabbage, potatoes, celery. Also available: snap beans, carrots, sweet corn, eggplant, escarole, lettuce, radishes, squash, strawberries. First west central potatoes dug. State's pastures fair to excellent. Pasture ratings 5% poor, 20% fair, 60% good, 15% excellent. Moisture levels short to surplus. State's cattle herds fair to excellent condition.

GEORGIA: Cool, temperatures 4 to 8° below normal. Warmest mid 60s north, upper 70s south. Coolest mid to upper 20s extreme north, low to mid 30s elsewhere, except upper 30s to low 40s southeast. Rain 0.50 in., locally 1.00 in. or more south Georgia. Rain 2 days, 1 day southeast.

Days suitable for fieldwork 3.0. Soil moisture 1% short, 40% adequate, 59% surplus. Corn 13% poor, 59% fair, 28% good; Planting slowed by wet fields, cool soils. Tobacco 9% poor, 60% fair, 31% good; 17% transplanted, 30% 1991, 37% avg. Wheat 80% jointing, 93% 1991, 89% avg.; 21% boot, 52% 1991, 45% avg.; freeze damage some areas northern half of State not expected to be severe. Disease pressure increasing southern areas. Other small grains fair to mostly good. Onions 17% fair, 83% good. Watermelons 23% poor, 75% fair, 2% good; 28% planted, 43% 1991, 57% avg. Other vegetables 3% poor, 73% fair, 24% good. Apples 19% fair, 81% good; 13% blooming, 34% 1991, 28% avg. Peaches 1% very poor, 62% fair, 37% good; 95% blooming, 89% 1991, 95% avg. Pastures fair to mostly good. Livestock good. Activities: Farmers waiting for fields to dry, warm. Weed control, fertilizing pastures, hay fields, some late wheat.

HAWAII: Showers lingered, bringing much-needed rainfall to major growing areas. Irrigation restrictions in Waimea on the Big Island were cancelled as reservoirs restored. Temperatures high 50s to mid 80s. Rainfall none to 2.20 in.

Days suitable for fieldwork 7.0. Banana supplies are expected at about the same level. Papaya supplies will be seasonally lower. Cabbage volume will be steady to lower this week, but should pick up now that water restrictions are lifted. Snap bean, cucumbers, head lettuce, sweet corn harvests will be light, harvesting of semi head lettuce will be active. Steady supplies of ginger root, tomatoes expected.

IDAHO: Scattered precipitation fell statewide. Temperatures 3 to 7° above normal.

Statewide soil moisture varied from short to adequate. Spring wheat was one-third planted across State. Winter wheat condition was mostly good. Activities: Marketing seed potatoes, fertilizing, plowing, planting grains, onions, sugarbeets. Livestock good to excellent.

ILLINOIS: Cool weather continued; highs mid 40s to mid 50s, lows 30° to mid 30s. Temperatures in the north were close to normal, 2 to 5° below normal in the south. Light precipitation kept many areas damp with about 0.50 in. accumulated in the north, as much as 1.50 in. south. Low pressure produced snow across northern areas 26th night. Four-inch soil temperatures mid 30s to 40s in the north, 40s to mid 50s to the south.

INDIANA: Temperatures 1 to 8° below normal. Highs upper 40s to low 50s. Lows, upper 20s to upper 30s. Precipitation 0.40 to 0.70 in., except for 1.00 in. or more in the southwest.

Days suitable for fieldwork 1.1. Topsoil 4% short, 65% adequate, 31% surplus. Subsoil 40% short, 49% adequate, 11% surplus. Pasture 21% very poor, 28% poor, 42% fair, 9% good. Winter wheat condition 26% very poor, 44% poor, 28% fair, 2% good. Activities: machinery repair, fence repair, building maintenance, purchasing supplies, care of livestock. Hay supplies short most areas. Livestock mostly good condition.

IOWA: Temperatures 1 to 3° above normal. Extremes 13°; 69°. Precipitation 0.04 in. northwest to 1.88 in. west central. State average 0.57 in., normal 0.59 in.

Oat seeding, seedbed preparation just starting across the State, many fields still too muddy. Farmers busy with machinery repair, calving.

KANSAS: Temperatures near normal except northwest 5° above normal. Light rainfall recorded most areas except central, east central where totals averaged about 0.50 in.

Days suitable for fieldwork 3.5. Topsoil 19% short, 72% adequate, 9% surplus. Subsoil 32% short, 68% adequate. Wheat jointing, at 20%, is well ahead of schedule. Condition 35% good to excellent, 58% fair, 7% poor to very poor. Most diseases present but levels generally light. Greenbugs, brown wheat mites, army cutworms noted localized areas; few control measures necessary. Farmers top dressing with fertilizer, applying herbicides where necessary. Spring seedbed preparation continues at rapid pace; could see some early season corn planted this week. Movement of cattle off wheat increasing. Lambing, calving nearly over; few problems encountered.

KENTUCKY: Light rainfall and cold weather. Highs mid 50s and lows mid 20s. Temperatures 5° below normal. Rainfall 0.25 to 0.50 in., which was 0.50 to 0.75 in. below mean.

Soil moisture adequate. Fall seeded grains green but growth limited by cool weather. Field activities limited. Livestock generally good.

LOUISIANA: Temperatures 1.3 to 3.8° below normal. Extremes 30°; 82°. Rainfall 0.36 in. northeast to 1.62 in. southwest.

Days suitable for fieldwork 3.1. Soil moisture 43% adequate, 57% surplus. Corn 51% planted, 69% 1991, 34% avg.; 24% emerged, 29% 1991, 14% avg. Rice 15% planted, 14% 1991, 11% avg.; 9% emerged, 6% 1991, 6% avg. Blackbirds, ducks were causing serious damage to newly planted rice fields. Spring plowing 33% complete, 40% 1991, 32% avg. Sorghum 1% planted, 13% 1991, 4% avg. Sugarcane

30% fair, 60% good, 10% excellent. Off barring, shaving, spraying herbicides, fertilizing, active. Wheat 11% poor, 41% fair, 47% good, 1% excellent; 18% headed, 30% 1991, 21% avg. Little disease present. Livestock 34% fair, 61% good, 5% excellent. Pasture 8% very poor, 15% fair, 73% good, 4% excellent. Vegetables, 17% poor, 55% fair, 28% good. Crawfishing, strawberry harvesting active.

MARYLAND & DELAWARE: MARYLAND: Precipitation 1.80 in.; Temperature 39.9°, normal 47.1°. Extremes 10°; 59°.

Activities: Planting peas; buying seed, fertilizer; active preparation for spring planting; tune-up, repair machinery; preparing to apply N to small grain; evaluating crop insurance costs; tax preparation; marketing, caring for livestock; checking on newborn livestock.

DELAWARE: Precipitation 1.42 in. Temperature 39.4°, normal 47.4°. Extremes 20°; 58°.

Activities: Planting peas; marketing, caring for livestock; buying seed, fertilizer; active preparation for spring planting; tune-up, repair machinery; preparing to apply N to small grain; evaluating crop insurance costs; tax preparation; marketing, caring for livestock; checking on newborn livestock.

MICHIGAN: Temperatures 3° above to 2° below normal. Extremes -3°; 58°. Precipitation none to 0.62 in. Sunshine returned to State last week bringing mild temperatures, melting snow.

Spreading manure was limited because of soft ground, mud. Livestock are in good condition. Calving, lambing are going well. Feed supplies are adequate. Major activities: Cleaning barns; repairing machinery; caring for livestock.

MINNESOTA: Temperatures 2 to 7° above normal. Extremes 3°; 69°. Precipitation 0.01 to 0.55 in. for the State, 0.04 in. above normal for the southeast, near normal to 0.39 in. below normal elsewhere. Greatest weekly total 1.11 in. at Caledonia. Snowfall 4 in. in the southeast, 1 in. or less elsewhere. Snow depth at weekend 2 to 3 in. for the northeast, north central, southeast, a trace or less elsewhere.

MISSISSIPPI: Temperatures 54°, 11.1 above normal. Extremes 24°; 80°. State received near normal rainfall with the exception of the southern region which was below normal. State average 0.82 in., 0.27 below normal. Soil temperature 54°.

Days suitable for fieldwork 2.2, 3.9 1991, 3.1 avg. Soil moisture 46% adequate, 45% surplus, 9% excessive. Corn 22% planted, 38% 1991, 23% avg.; 10% emerged, 22% 1991, 9% avg. Rice 1% planted, 3% 1991. Watermelons 10% planted, 29% 1991, 23% avg. Wheat 69% jointing, 57% 1991, 69% avg.; 4% heading, 6% avg.; 66% fair, 33% good, 1% excellent. Hay supply 24% short, 69% adequate, 7% surplus. Feed grain 26% short, 73% adequate, 1% surplus. Livestock 16% fair, 82% good, 2% excellent. Pasture 95% of normal. Activities: Applying chemicals, land preparation.

MISSOURI: Temperatures near normal north to 5° below normal south. Rainfall 0.76 in., varying from around 0.50 in. northeast, southern districts to over 1.00 in. east central.

Fieldwork limited by cool, wet weather. Some warm, dry days needed for progress to resume. Pastures beginning to show growth.

MONTANA: Dry and mild across State with southwest receiving 0.10 in. of precipitation. Temperatures 5 to 10° above normal with east 10° above normal.

Winter wheat condition primarily unchanged from a week ago with most of the crop in fair to good condition. Calving, lambing continues under favorable conditions.

NEBRASKA: Temperatures 2 to 6° above normal. Precipitation latter half of week with amounts from a trace in the northwest to over 1.50 in. in the northeast.

Days suitable for fieldwork 5.0. Topsoil 4% short, 89% adequate, 7% surplus. Subsoil 20% short, 75% adequate, 5% surplus. Wheat 5% very poor, 17% poor, 32% fair, 43% good, 3% excellent. Oats sown 29%, 13% 1991, 7% avg. Pasture, range 89% of normal. Spring calving 63% complete with below average spring calf losses.

NEVADA: Unsettled weather continued during the week as a series of storms moved across the southern half of the State. Urban, small stream flooding resulted from unusually heavy rain in some areas. Temperatures above normal over most of the State except in the south where clouds, rain predominated. Extremes 12°; 78°. Precipitation reported all areas, varying from trace amounts north to 1.57 in. Las Vegas.

Scattered showers slowed fieldwork. Irrigation water remains a major concern in crop planting decisions. Calving, lambing continue, aided by mild weather. Major activities: Planting preparation, irrigation maintenance, general ranch maintenance, care, feeding of livestock.

NEW ENGLAND: Precipitation 0.65 to 3.10 in. north; 0.75 to 2.30 in. south. Temperatures mid 20s to mid 30s north, low 30s to low 40s south. Maximum temperatures mid 40s north to low 60s south; minima -4° north to low 20s south.

Major farm activities: repairs, maintenance, tending livestock, moving crops from storage.

NEW JERSEY: Temperatures much below normal. Extremes 10°; 60°. Rainfall 1.13 in. north, 0.75 in. central; 0.72 in. south. Heaviest 24 hour total 1.64 in. on 26th, 27th. Estimated soil moisture, in percent field capacity, averaged 100% north, 99% central, south. Four inch soil temps averaged 34° north, 38° central, 40° south.

Plowing continued when soil conditions permitted. Warmer, dryer weather needed. Low temperatures are not expected to affect crops.

NEW MEXICO: Temperatures about 4° above normal, a few spots as much as 6 to 7° above. Precipitation fell across the western two-thirds of State. Several stations reported over 0.05 in.

Days suitable for fieldwork 6.3. Soil moisture 13% short, 87% adequate. Crop conditions: Alfalfa, 21% fair, 79% good. Irrigated wheat, 19% fair, 68% good, 13% excellent with 40% being grazed. Dryland wheat 14% fair, 86% good with 35% being grazed. Onions, lettuce both in good condition. Cattle, sheep fair to good. Range, pasture 91% of normal.

NEW YORK: Unseasonably cold, wet week. Temperatures were well below normal 22nd through 24th, again on 28th; quite mild 25th through 27th. Temperatures 5 to 10° below normal. Extremes -7°; 55°. Precipitation was above normal, 1.00 to 2.00 in. most areas, except in the Upper Hudson Valley, and from the Adirondacks northward where 0.33 to 0.75 in. fell. Two to 7 in. of snow fell on 22nd from the Mohawk Valley south, across western areas.

Activities: Caring for livestock, moving crops from storage, making plans for upcoming season. Warm days during part of week conducive to sap flows for maple producers. Warmer days with cold nights needed for good maple production.

NORTH CAROLINA: Light snow mountains; scattered thunderstorms elsewhere. Extremes 16°; 74°. Rain-fall at all stations. Precipitation 0.40 to 3.87.

Days suitable for fieldwork 3.7. Soil moisture 1% short, 74% adequate, 25% surplus. Crop condition: Wheat 1% poor, 12% fair, 86% good, 1% excellent; Oats 1% poor, 13% fair, 86% good; Barley 2% poor, 16% fair, 80% good, 2% excellent; Rye 2% poor, 14% fair, 81% good, 3% excellent; Pasture 5% poor, 33% fair, 61% good, 1% excellent; Tobacco Plant Beds 29% fair, 68% good, 3% excellent; Irish Potatoes 4% poor, 22% fair, 74% good; Peaches 4% very poor, 14% poor, 41% fair, 41% good; Truck Crops 33% fair, 62% good, 5% excellent. Irish potato planted 82%, 78% 1991, 72% avg; Cabbage Planted 76%, 65% 1991, 58% avg; Corn Planted 3%, 5% 1991, 6% avg. Tobacco plant bed supplies 2% short, 93% adequate, 5% surplus. Hay, roughage supplies 4% short, 92% adequate, 4% surplus. Feed grain supplies 4% short, 93% adequate, 3% surplus. Livestock feed from pastures 44%. Activities: Land preparation; tending tobacco plant beds; topdressing small grains and pastures; planting Irish potatoes, cabbage, corn; tending livestock; pruning fruit trees.

NORTH DAKOTA: Temperatures 2° above normal northeast to 7° above normal northwest, southwest. Extremes 6° northeast, southeast; 66° south central. Precipitation none in most of State to 0.03 in. central.

Topsoil 25% short, 67% adequate, 8% surplus. Subsoil 10% very short, 45% short, 45% adequate. Average expected starting date for spring fieldwork is April 11. Winter wheat 3% very poor, 6% poor, 58% fair, 33% good; 82% dormant, 18% green. Winter kill 13% less than normal, 74% normal, 13% more than normal. Livestock mostly good; calving 55% complete, lambing 68%, shearing 79%. Nearly all range livestock received supplemental feed. Hay and roughage supplies 5% short, 88% adequate, 7% surplus. Grain concentrate supplies 93% adequate, 7% surplus. Pastures' condition 90% of normal; 83% open for grazing, 85% dormant.

OHIO: Daytime highs low 40s to near 50° while mean lows varied upper 20s to mid 30s. Temperatures 34 to 42°, 2 to 6° below normal. Precipitation 0.25 to 0.50 in. except for the northeast where amounts reached 0.75 to 1.20 in. The northeast totals were above normal while other totals were slightly below normal.

Heavy wheat-producing counties continue to indicate that wheat condition is considered poor to mostly fair. Consistent freezing, thawing has stressed already weakened plants.

OKLAHOMA: Temperatures 1° above normal southeast to 7° above Panhandle. Precipitation 0.05 in. east central, south central to 0.47 in. north central.

Days suitable for fieldwork 5.7. Topsoil 33% short, 65% adequate, 2% surplus. Subsoil 92% adequate, 8% short. Wheat 2% poor, 32% fair, 62% good, 4% excellent; 76% jointing, 39% 1991, 40% avg. Some freeze damage reported. Crop insect activity light to moderate. Corn plantings active southeast, begin in east central, south central. Cattle good; marketings average; prices steady.

OREGON: Temperatures 2 to 5° above normal statewide, except southwest 7° above normal. Precipitation scarce, statewide. Southwestern valleys 0.75 in., elsewhere 0.10 in. or less.

Soil moisture, 31% short, 69% adequate. Winter wheat 8% poor, 30% fair, 61% good, 1% excellent. Spring wheat planting, grain crop chemical applications, tillage underway. Fruit, nut trees blooming. Hazelnuts, berries at least two weeks ahead of normal. Potato planting underway, eastern areas. Pea planting winding down, Willamette

Valley. Livestock good to excellent. Pastures greening statewide, 2 weeks ahead of normal. Spring calving, lambing winding down, excellent conditions. Some eastern areas report stock-water as short. Statewide pasture, range 87% of normal.

PENNSYLVANIA: Above normal precipitation with normal temperatures. Temperature 36°, 1° below normal. Extremes 1°; 58°. Precipitation 1.19 in., 0.38 in. above normal.

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

PUERTO RICO: No Data Available.

SOUTH CAROLINA: Temperatures across the State 2 to 3° below normal. Average rainfall 1.20 in.

Days suitable for fieldwork 4.5. Soil moisture 5% short, 93% adequate, 2% surplus. Tobacco fair to good; 2% planted, 2% 1991, 5% avg. Corn fair to good; 25% planted, 21% 1991, 22% avg. Watermelons fair; 20% planted, 29% 1991, 28% avg. Cantaloupes fair; 10% planted, 21% 1991, 12% avg. Tomatoes fair; 26% planted, 34% 1991, 45% avg. Cucumbers good; 15% planted, 30% 1991, 22% avg. Snap beans good; 17% planted, 15% 1991, 14% avg. Pastures fair to good.

SOUTH DAKOTA: Temperatures for State generally 5° above normal. Extremes 9°; 72°. Southeast had 0.33 to 0.50 in. of rain. The rest of the State was dry. Precipitation for the year is 0.50 to 1.00 in. below normal in the northern third of the State, 1.00 to 2.00 in. above in the southern two-thirds. Maximum precipitation 0.52 in.

TENNESSEE: Cold fronts moved through State 25th, 26th. Warm front pushed into State from the Southwest 29th. Temperatures 5 to 10° below normal except the southwest, where temperatures were near normal. Low temperatures dropped below freezing statewide during nighttime hours. High temperatures lower 60s southwest to 50s elsewhere. Low temperatures were in the 30s. Rainfall light, with less than 1.00 in. recorded at most locations for the week.

Soil moisture rated mostly adequate to surplus statewide. Muddy fields slowed land preparation many areas. Winter wheat good to excellent. Pruning of fruit trees continues. Preparation of tobacco beds slowed by rainfall. Hay, roughage supplies adequate. Livestock good to excellent.

TEXAS: Most of State received rain over the past week. Northeast corner had moderate rain early in week as cold front encountered moisture over the area. Southern Texas got the brunt of week's rainfall the past weekend. Heavy amounts fell from southwest to south central to southeast as Pacific system triggered rains. South central, southern districts had the greatest positive departures. Amounts lighter in rest of State. Only other area reporting positive departure was High Plains where rain is usually scarce this time of year.

Crops: Small grain fields sprayed for rust and insect problems. Some fields continued to be top dressed. On the Plains, many dryland wheat fields could use rain, while irrigated fields look good. Wheat condition 83% normal compared with 62% last year. Corn planting progressed rapidly with open weather conditions. Most producers on the Plains continued field preparation and pre irrigating, although some planting occurred. Grain sorghum planting in full swing in Rio Grande Valley, South Texas. Most producers on the Plains began fertilizing, others continued with land preparation. Some producers hoping for rain to promote plant

emergence in southern areas. Cotton planting progressed rapidly in Rio Grande Valley, South Texas. Land preparation continued in other areas. Pre irrigating in Trans Pecos. Some producers on the Plains shredding stalks left from last year. Rice planting gained momentum along Upper Coast.

Commercial Vegetables: Rio Grande Valley, onions improved with dry conditions. Some white flies on cabbages. High Plains, potatoes, onions planting continued as pre watering, land preparation neared completion. Trans Pecos, chile planting continued, melon planting winding down. Onions progressing well. East Texas, some peppers, tomatoes planted as conditions allowed. Peaches sprayed for disease, insect damage. Most trees have good fruit load. Prospects promising for a good crop.

Range and Livestock: Open weather improved range, pasture conditions. Some weed control, fertilization practices underway. Livestock good. Livestock grazing continued as forage availability increased, reduced supplemental feeding. Some problems with horn flies, lice, no major threat apparent.

UTAH: Temperature maximums 2° above normal, minimums 5° above normal. Moderate precipitation in all regions except Dixie where it was heavy.

Trees progressing ahead of normal. Apricots are starting to bloom. Major farm activities: Calving, lambing, planting small grains, fence repair, preparing irrigation systems.

VIRGINIA: Temperatures about 7 to 10° below normal. Extremes 10°; 62°. Precipitation above normal with 0.50 to 1.00 in. falling in western areas, 1.00 to 2.00 in. eastern part of the State.

Days suitable for fieldwork 3.4. Topsoil 3% short, 75% adequate, 22% surplus. Pasture 3% very poor, 15% poor, 45% fair, 36% good, 1% excellent. Alfalfa 4% poor, 57% fair, 35% good, 4% excellent. Barley 2% poor, 41% fair, 50% good, 7% excellent. Wheat 1% poor, 43% fair, 51% good, 5% excellent. Apples mostly fair. Peaches mostly fair good. Tobacco plantbed 13% poor, 21% fair, 65% good, 1% excellent. Tobacco plantbeds 93% seeded. Potato planting 56% complete. Pruning fruit trees, fertilizing small grains, planting potatoes, laying plastic for tomato planting, irrigating plantbeds, starting to fumigate fields for peanut planting.

WASHINGTON: Temperatures 2 to 6° above normal west; 1 to 8° above normal east. Precipitation 0.06 to 0.60 in. west; none to 0.02 in. east.

Days suitable for fieldwork 7.0. Soil moisture 13% short, 86% adequate, 1% surplus. Hay, other roughage 6% short, 81% adequate, 13% surplus. Range, pasture 9% poor, 29% fair, 62% good. Winter wheat 12% fair, 88% good. Winter barley 6% fair, 94% good. Farmers continued to enjoy warm, dry weather. Absence of rain has reduced soil moisture. Crop insects may proliferate due to mild winter, warm spring. Extended frost protection period early blooming fruit, berries; producers falling behind pest, disease management. Lettuce planted, blueberry buds open west. Hop stringing, potato planting central areas. Spring crop seeding continues east. Russian wheat aphid populations building in grasses, winter wheat. Cattle continue movement to spring ranges.

WEST VIRGINIA: Temperature 38°. Extremes 18°; 64°. Precipitation 0.44 in.

Days suitable for fieldwork 2.0, Soil moisture, 4% short, 65% adequate, 31% surplus. Wheat, good. Barley, good. Hay feed supplies, adequate. Other feed supplies, adequate. Cattle, good. Sheep, good. Cows calved, 72%. Sheep lambed, 77%.

(Continued to back cover)

International Weather and Crop Summary HIGHLIGHTS

March 22 - 28, 1992

FORMER USSR: Mild, dry weather prompts early greening of winter grains and helps early season fieldwork.

EUROPE: Beneficial rain helps winter grains in England and France. Dryness persists in Spain.

NORTHWESTERN AFRICA: Rain benefits winter grains in Morocco and Algeria.

SOUTH AFRICA: Showers help local moisture reserves but come too late for summer crops.

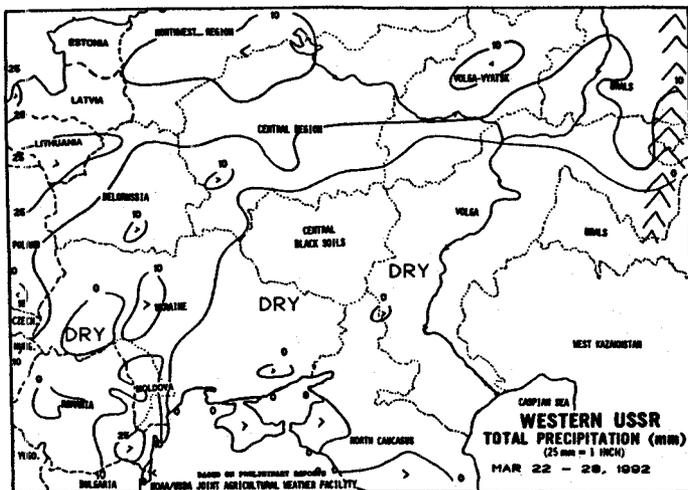
SOUTH ASIA: Wet weather in the northwest likely lodges some winter wheat.

EASTERN ASIA: Northern wheat areas are still dry, but moisture aids southern winter wheat.

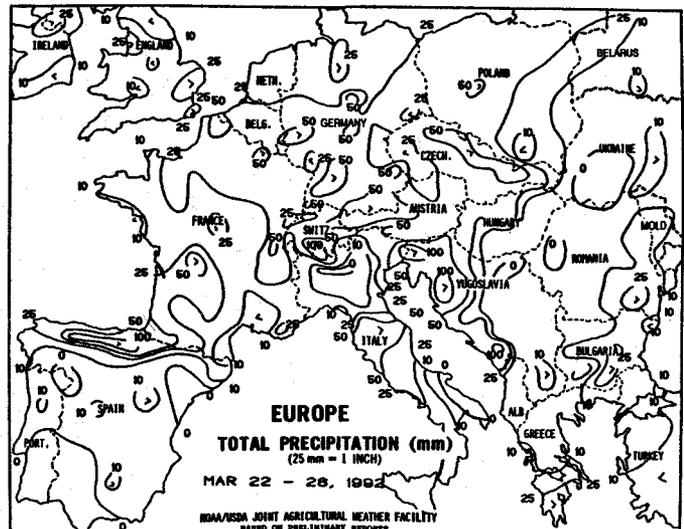
SOUTHEAST ASIA: Rainfall tapers off over Java. Light rain brings some relief to the eastern Philippines.

AUSTRALIA: Dryness aids maturing sorghum and cotton.

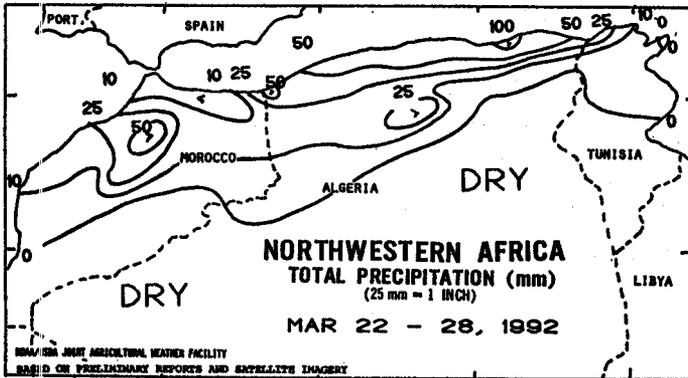
SOUTH AMERICA: Showers aid late-planted soybeans in Argentina. Wet weather delays summer crop harvesting across the region.



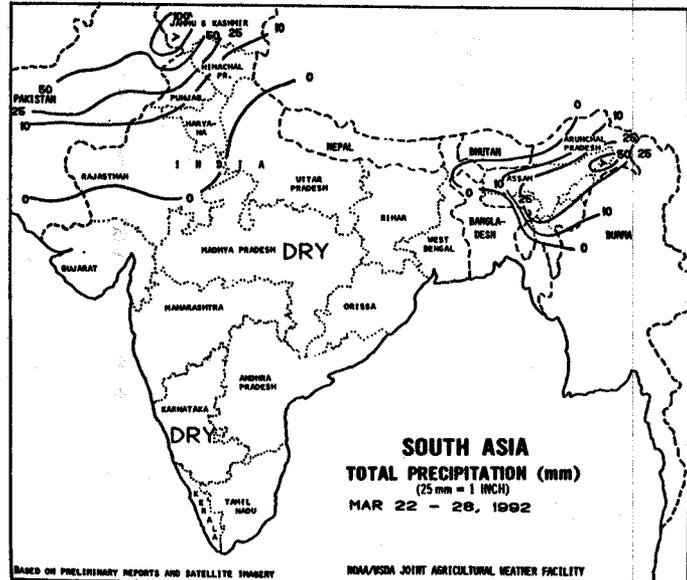
FORMER USSR: Unseasonably warm weather continued over winter grain areas. Average temperatures ranged from 3 to 6 degrees Celsius (C) above normal over most of the region. The continued mild weather pattern likely promoted greening of some winter grains over the southern half of the Ukraine and the North Caucasus. Reports indicate winter grains survived the winter in good condition and winterkill, around 8 percent, was less than average. Snow cover continued to recede north and eastward, with significant snow cover over eastern Central Region, Volga Vyatsk Region, and Upper Volga Valley. Dry weather covered a large portion of Ukraine, North Caucasus, and the lower Volga, helping early season fieldwork. Greatest amounts of rain (10-31mm) fell over Moldova and Lithuania.



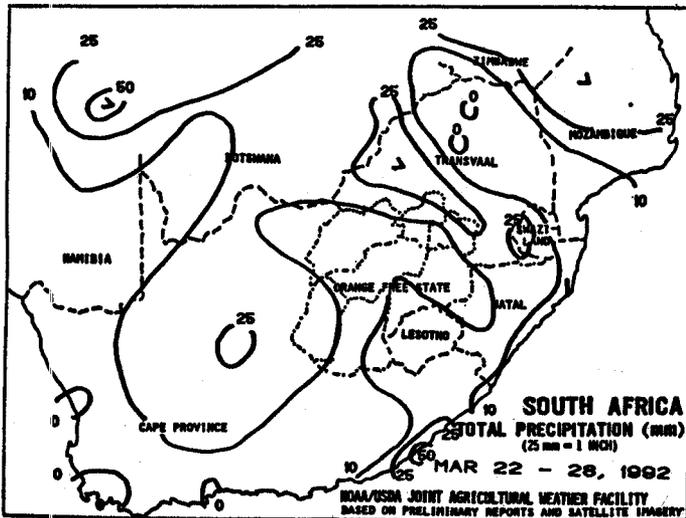
EUROPE: Much needed rain fell in England, France, and central Italy, but mostly dry weather persisted over the Iberian Peninsula and northern Italy's Po Valley. The beneficial moisture (10-50mm) for winter grain growth in the west extended across northern and central Europe, with locally heavy amounts (50-100mm) scattered across southern Germany, northern Czechoslovakia, and western Yugoslavia. Rainfall diminished to less than 10mm from eastern Hungary and the western two-thirds of Romania to northern Greece. While topsoil moisture improved in France and central Italy, and favorable moisture conditions continued across northern Europe, the moisture deficiency worsened in the Iberian Peninsula and the Po Valley, and moisture is limited in the Balkans. Average maximum temperatures in the teens (C), typical of the early spring season, increased the demand for moisture by crops in vegetative growth across southern Europe. More rain is needed in the west.



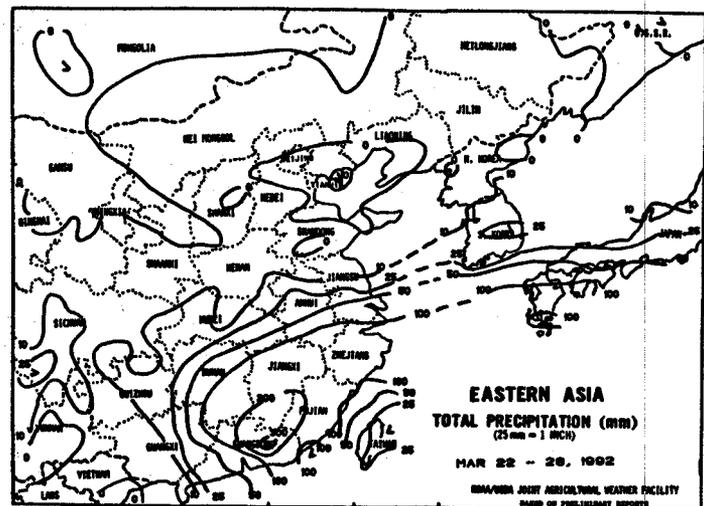
NORTHWESTERN AFRICA: An intense storm system moved eastward across Morocco and Algeria, bringing widespread, significant rain. In Morocco, showers and thunderstorms brought locally heavy downpours, gusty winds, and hail. Greatest amounts of rain (23-67mm) fell over winter grain areas from Casablanca, northward. Rainfall over southern Morocco, the area hardest hit by this year's persistent drought, ranged from 3 to 12mm. While the rain came too late to substantially improve yield prospects, the moisture halted further deterioration in crop conditions. In Algeria, widespread precipitation benefited winter grains, normally in the reproductive phase of development. Greatest amounts of rain (25-50mm, with local amounts in excess of 100mm) fell over northern areas, with the southern fringe of the crop areas receiving lesser amounts of moisture (6-23mm). The storm system did not reach as far east as Tunisia and, as a result, crop areas received little, if any, rainfall during the week.



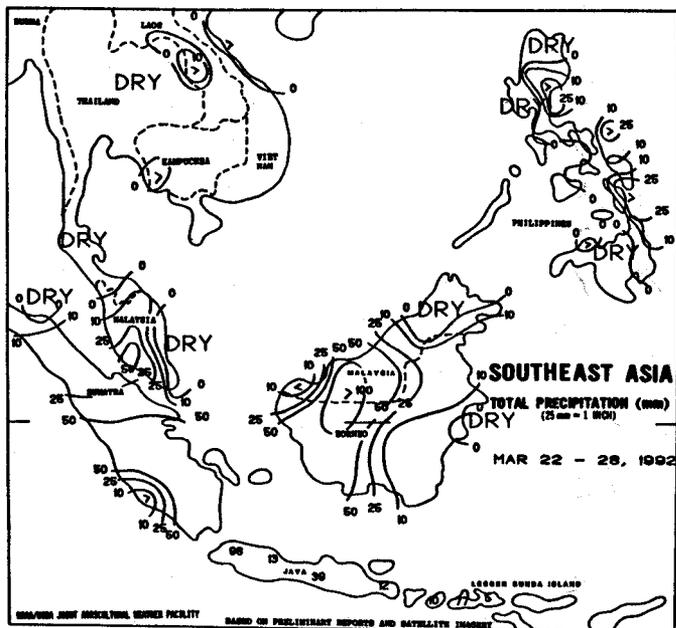
SOUTH ASIA: Scattered, moderate to heavy showers (47-135mm) occurred in northern Pakistan and India's Punjab State, increasing moisture reserves for upcoming cotton plantings but likely causing some lodging of maturing winter wheat. Dry, seasonably warm weather elsewhere favored winter grain and oilseed maturation and harvests, although scattered showers (10-82mm) fell in India's far eastern rice areas. Unseasonably hot weather (temperatures 1-3 degrees C above normal, highs 38-42 degrees C) maintained stress on livestock in central India.



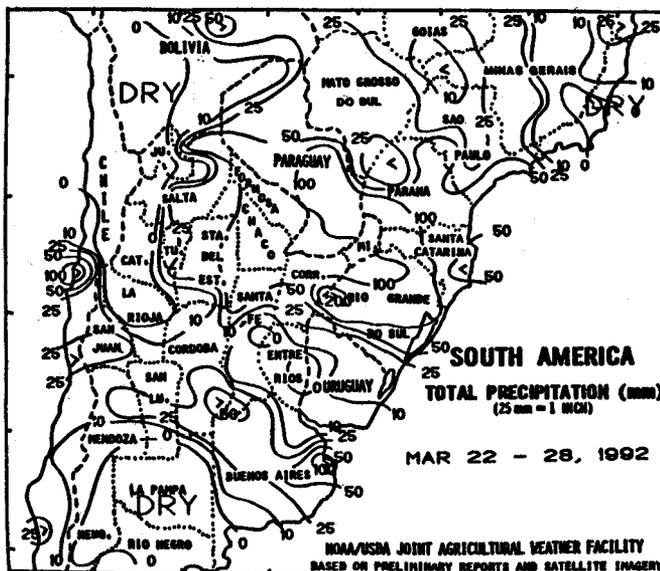
SOUTH AFRICA: Moderate showers (10-33mm) boosted moisture reserves in southern Orange Free State, central Transvaal, Natal, and eastern Cape Province, but came too late for summer crops. The showers fell in parts of the winter wheat region but much more is needed for planting.



EASTERN ASIA: The northern crop areas (Hebei, northern Henan, and Shandong) received little or no rain, where limited soil moisture is stressing developing winter wheat. Further south, light to moderate rain (12-60mm) fell across southern Henan, Anhui, and Jiangsu, favoring early growth of winter wheat. Southern China received widespread heavy rain (77-195mm) with heavier amounts (224-248mm) across southern Jiangxi and northern Guangdong. The heavy rains caused flooding and possible damage to early rice, necessitating replanting. Temperatures averaged 1-3 degrees C below normal across the North China Plain and 5-9 degrees C below normal across southern China.

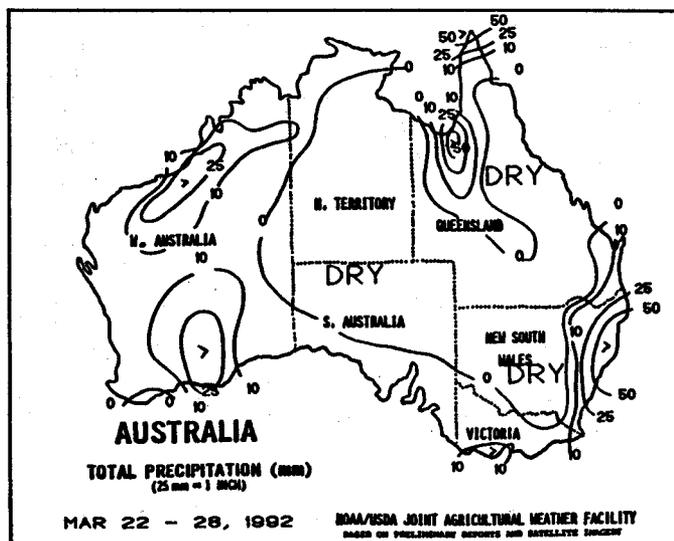


SOUTHEAST ASIA: Rainfall tapered off over Java, with just a few stations in primary rice areas reporting 50mm or more. To the north, moderate to heavy showers (25-118mm) covered southern Sumatra and portions of Malaysia's oil palm areas. Mostly dry weather dominated Indochina, with unseasonably high temperatures (38-41 degrees C) maintaining stressful conditions from Bangkok northward. During April, the Intertropical Convergence Zone begins its seasonal shift northward, resulting in a decrease in rainfall over Indonesia and increase over Indochina. Light to moderate rain (10-40mm) brought some relief to rice in the eastern Philippines.



SOUTH AMERICA: Moderate to heavy rain (21-89mm) fell across central Argentina, northern Buenos Aires, and southern Cordoba, aiding pod-filling late-planted soybeans, but causing corn harvesting delays. Drier conditions in southern Santa Fe aided summer crop harvesting. Moderate rains (43-75mm) covered northern Argentina, delaying cotton harvesting and causing some possible damage. Widespread showers (53-122mm) fell across southern Brazil, causing corn and soybean harvest delays and possible flooding in southwestern Rio Grande do Sul. Drier weather is needed to prevent disease problems and significant harvest delays for soybeans. Temperatures averaged 1-2 degrees C above normal across southern Brazil and 1-3 degrees C below normal across central Argentina.

AUSTRALIA: Dryness continued across the eastern crop areas, aiding mature sorghum and boll-opening cotton, with only isolated light rain (5-12mm). Further rainfall this season will not significantly increase the potential yield of summer crops. Moderate rains (44-92mm) fell along the eastern coast of New South Wales, aiding sugarcane but little or no rain fell across coastal Queensland, where limited soil moisture still exists. The rainy season across northeastern Australia normally ends by mid-April. Temperatures averaged 1-3 degrees C above normal across the major eastern crop areas.



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(Continued from front cover)

The hailstorms reached **central Florida** on Wednesday, battering nurseries in **Lake and Orange Counties**. After midweek, the storm system turned northward along the **Atlantic seaboard** and strengthened. On Thursday, the **Smoky Mountains of North Carolina** received up to 6 inches of snow, while the State's **Outer Banks** endured wind gusts to 60 mph and up to 4 inches of rain. Heavy rain spread up the coast into **New England** by Friday. The **interior Northeast** again received significant snow, including 7 inches in **Rochester, NY**. Meanwhile, a new storm entered the **Southwest**, dropping substantial rain and snow on the **Four Corners States** and the southern fringes of **Nevada and California**. At week's end, moisture spread into the **Plains**, generating thunderstorms in **Texas and Louisiana**, and rain from **Colorado** to the **western Corn Belt**. Rainfall topped 2 inches in **Corpus Christi, TX**, and **Lake Charles, LA**, and exceeded 1 inch in **Sioux City, IA**. A bit farther north, wet snow fell in **southern Minnesota**.

(Continued from p. 12)

WISCONSIN: Temperature 34°. Extremes 2°; 65°. Light precipitation across the State on 24th; northern areas received up to 1 in. of snow. Another round of rain, snow showers on the 26th. Parts of central, eastern areas received 1 to 3 in. of snow. West central area received 2 in. of snow on 28th with up to 3 in. falling in parts of the north central district; other areas received light precipitation over weekend.

WYOMING: Temperatures above normal. Most areas 1 to 6° above normal. Precipitation was below normal across the State. The only area with near to above normal was central area.

Days suitable for fieldwork 4.9. Topsoil 15% short, 80% adequate, 5% surplus. Subsoil 32% short, 67% adequate, 1% surplus. Spring wheat 21% planted, 11% 1991, 5% avg. Oats 12% planted, 2% 1991, 1% avg. Barley 33% planted, 37% 1991, 18% avg. Sugarbeets 2% planted, 3% 1991, 1% avg. Winter wheat 2% poor, 18% fair, 80% good. Wind, freeze damage mostly light to moderate. Alfalfa hay prospects mostly good. Livestock good to excellent. Spring calves born 57%, 47% 1991, 46% avg. Farm flock ewes lambed 64%, 57% 1991, 54% avg; shorn 74%, 54% 1991, 52% avg. Range flock ewes lambed 21%, 13% 1991, 20% avg; shorn 57%, 20% 1991, 26% avg. Calf, lamb death losses light to normal. Ranges, pastures good to excellent.

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