

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

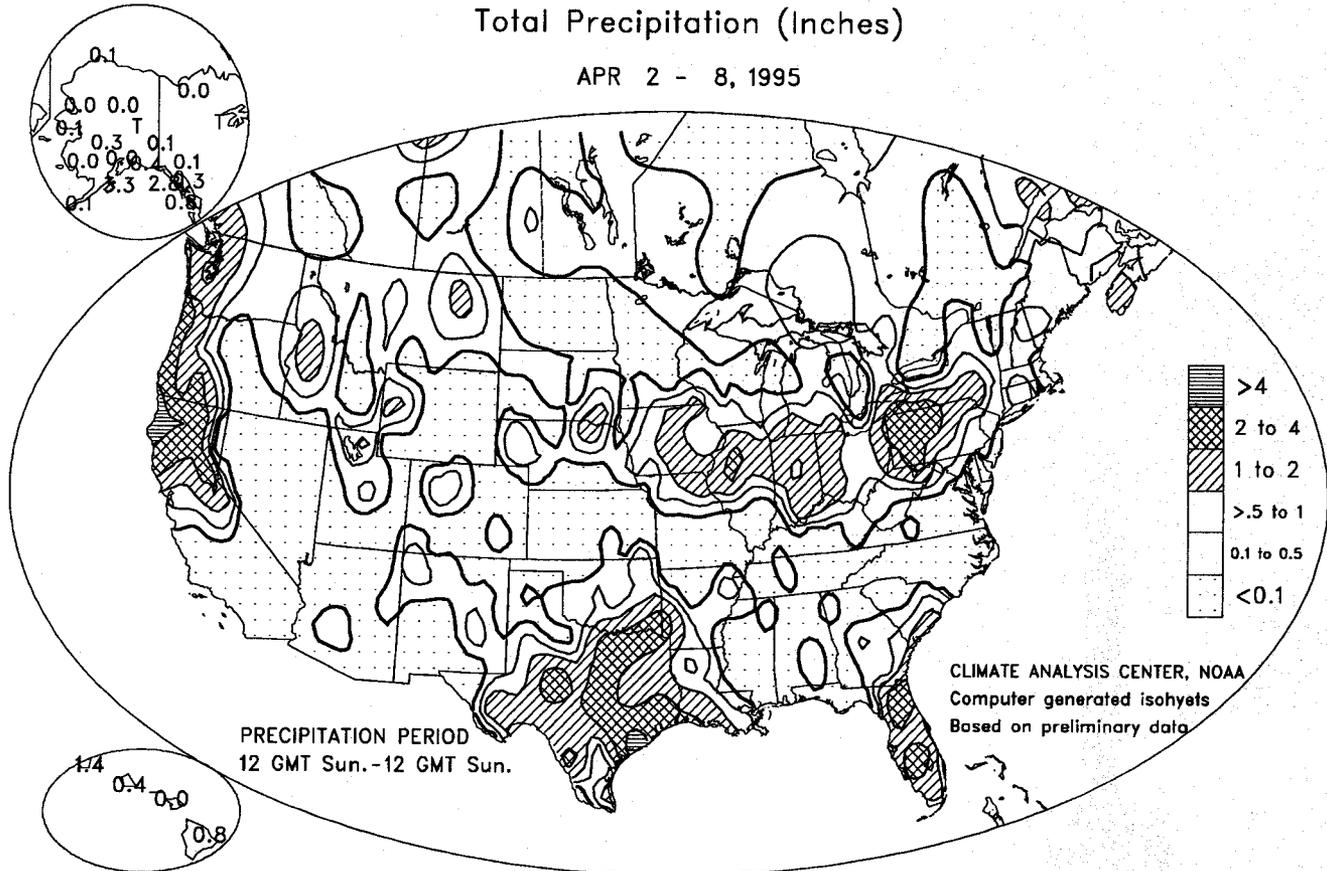
Volume 82, No. 15

Washington, D.C.

April 11, 1995

Total Precipitation (Inches)

APR 2 - 8, 1995



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

PRECIPITATION PERIOD
12 GMT Sun.-12 GMT Sun.

HIGHLIGHTS

April 2 - 8, 1995

Arctic high pressure swept southeastward into the Midwest on Monday, reaching the East Coast by midweek. Farther south, thunderstorms rumbled eastward through the Gulf Coast region, while warmth built in the West and spread eastward. Late in the week, precipitation arrived along the West Coast as far south as northern California. At week's end, a narrow, east-west band of locally heavy precipitation fell along a developing warm front from the northern Plains into the Northeast.

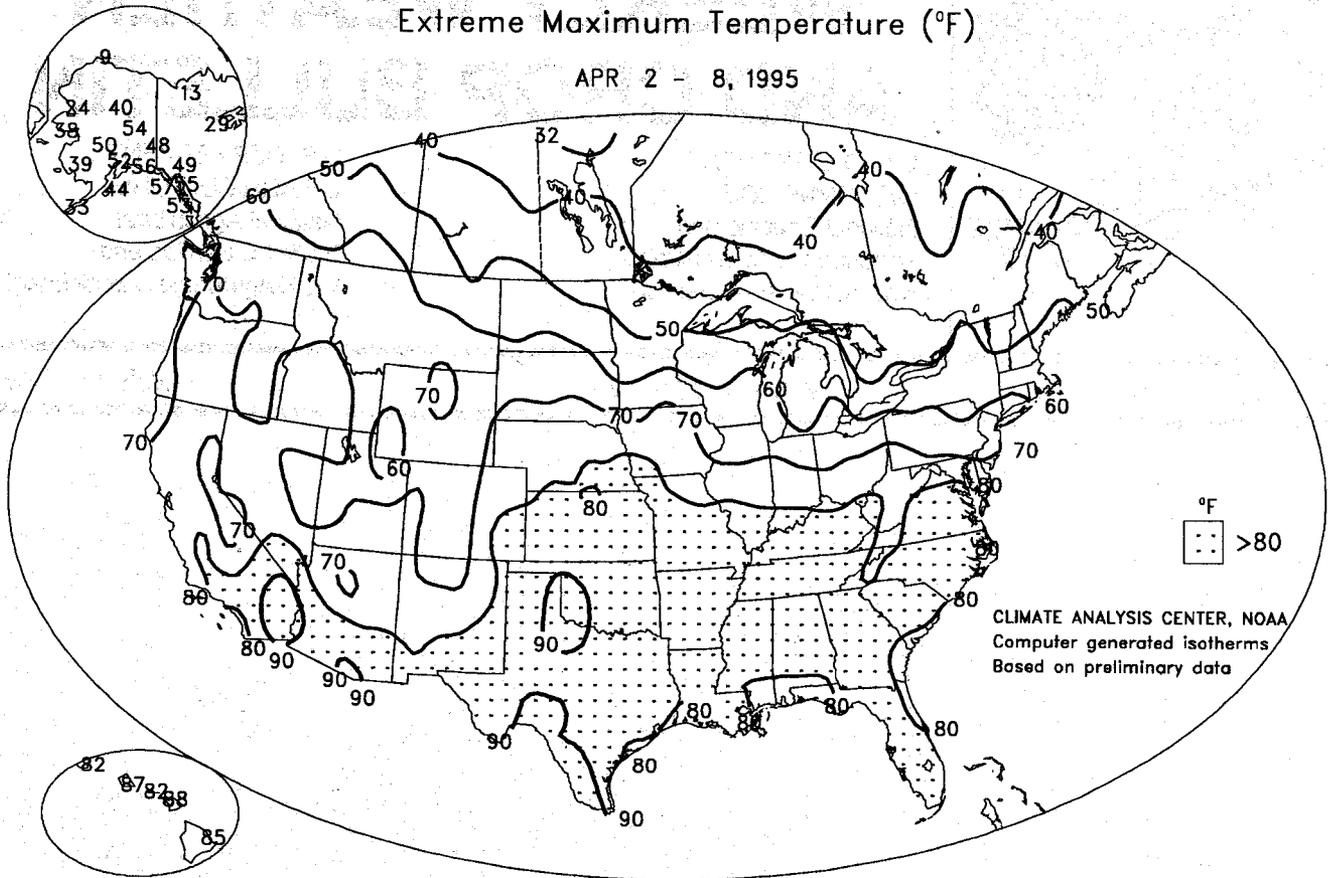
Between Tuesday and Thursday, about three dozen daily-record lows were set from the northern Plains to the Northeast. On Tuesday, the low of 5°F in Minneapolis, MN came within 3°F of an April record. Ely, MN reported -6°F. A day later, Caribou, ME (1°F) and Worcester, MA (12°F) noted their
(Continued to p. 19)

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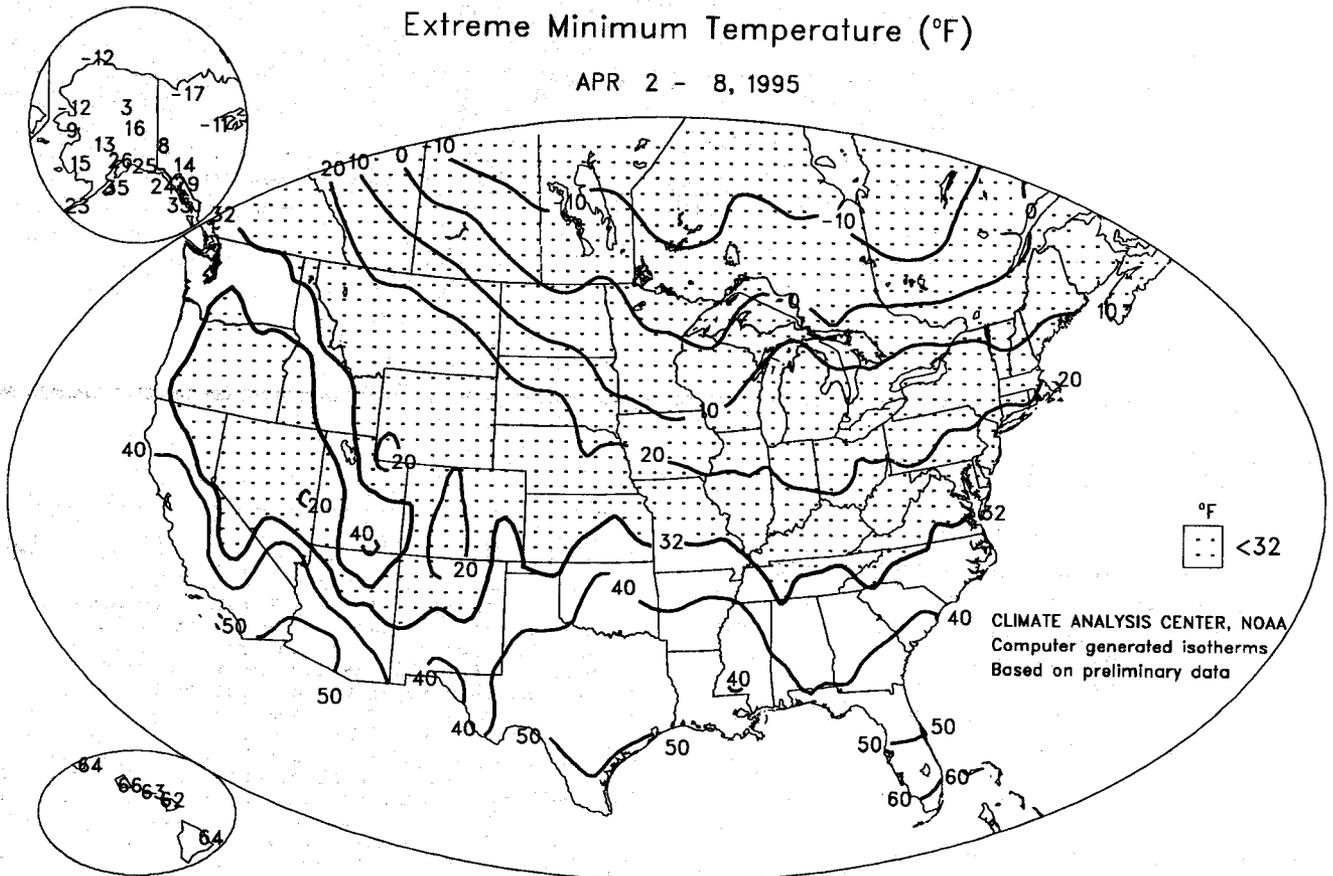
Extreme Maximum Temperature (°F)

APR 2 - 8, 1995



Extreme Minimum Temperature (°F)

APR 2 - 8, 1995



National Weather Data for Selected Cities

Weather Data for the Week Ending April 8, 1995

STATES AND STATIONS	TEMPERATURE °F							PRECIPITATION							RELATIVE HUMIDITY, PERCENT			NUMBER OF DAYS							
	AVERAGE	MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	MINIMUM	90 AND ABOVE		32 AND BELOW		.01 INCH OR MORE		.50 INCH OR MORE	
																		90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE				
AL BIRMINGHAM	75	45	82	37	60	1	.0	-1.2	.0	3.7	48	11.2	64	85	31	0	0	0	0	0	0	0	0	0	
MOBILE	74	51	78	40	63	1	.0	-1.1	.0	8.5	111	18.4	103	96	39	0	0	0	0	0	0	0	0	0	
MONTGOMERY	77	48	83	37	62	1	.0	-1.1	.0	3.7	48	15.8	88	92	34	0	0	0	0	0	0	0	0	0	
AK ANCHORAGE	47	29	52	26	38	6	.0	.2	.0	.9	99	2.4	98	85	44	0	0	0	0	0	0	0	0	0	
BARRON	3	-6	9	-12	9	24	12	.1	.0	.3	140	.8	181	88	81	0	0	0	0	0	0	0	0	0	
FAIRBANKS	47	23	54	16	35	11	.0	.0	.0	.4	80	.9	67	88	49	0	0	0	0	0	0	0	0	0	
JUNEAU	48	34	55	29	41	4	.4	-.3	.2	2.7	68	.0	.0	84	56	0	0	0	0	0	0	0	0	0	
KODIAK	42	37	44	35	39	4	3.3	2.4	.9	7.9	139	22.1	120	96	76	0	0	0	0	0	0	0	0	0	
NOME	32	16	38	9	24	12	.1	-.1	.0	.5	76	3.5	168	87	73	0	0	0	0	0	0	0	0	0	
AZ PHOENIX	86	58	89	55	72	5	.0	-.1	.0	1.0	101	2.7	116	42	13	0	0	0	0	0	0	0	0	0	
FRESNOCO	68	39	72	35	54	7	.0	-.3	.0	1.0	45	3.9	75	49	17	0	0	0	0	0	0	0	0	0	
TUCSON	85	48	90	46	67	4	.0	.0	.0	.5	67	3.3	140	49	9	1	4	0	0	0	0	0	0	0	
YUMA	88	60	93	57	74	5	.0	.0	.0	.2	55	1.8	212	44	11	1	4	0	0	0	0	0	0	0	
AR FORT SMITH	76	47	83	37	61	3	.4	-.4	-.4	2.6	53	6.7	70	89	38	4	4	0	0	0	0	0	0	0	
LITTLE ROCK	75	52	84	41	64	4	.5	-.6	-.4	4.1	67	9.9	78	62	28	0	0	0	0	0	0	0	0	0	
CA BAKERSFIELD	77	47	83	44	62	1	.0	-.2	.0	3.4	273	6.6	207	58	21	0	0	0	0	0	0	0	0	0	
FURCRA	59	46	64	39	53	3	2.6	1.7	1.2	13.9	220	28.1	165	90	55	0	0	0	0	0	0	0	0	0	
FRESNO	76	50	82	44	63	4	.0	-.3	.0	5.9	265	12.2	205	89	24	0	0	0	0	0	0	0	0	0	
LOS ANGELES	67	55	72	53	61	2	.0	-.3	.0	5.7	249	19.0	265	90	44	0	0	0	0	0	0	0	0	0	
REDDING	67	48	77	38	58	2	1.0	.4	.8	15.9	310	40.5	259	85	43	0	0	0	0	0	0	0	0	0	
SACRAMENTO	70	48	76	42	59	3	.4	.0	.2	8.0	265	20.6	214	94	50	0	0	0	0	0	0	0	0	0	
SAN DIEGO	68	57	74	54	63	1	.0	-.3	.0	3.8	184	13.8	254	82	37	0	0	0	0	0	0	0	0	0	
SAN FRANCISCO	64	49	70	46	56	2	.3	-.2	.3	9.1	252	18.3	165	94	55	0	0	0	0	0	0	0	0	0	
CO DENVER	68	38	73	31	53	8	.0	-.4	.0	.2	14	1.3	48	55	14	0	0	0	0	0	0	0	0	0	
GRAND JUNCTION	71	40	75	34	56	5	.0	-.2	.0	1.7	130	2.9	119	70	12	0	0	0	0	0	0	0	0	0	
FURCRA	74	31	80	26	53	5	.0	-.2	.0	.9	88	1.1	65	79	12	0	0	0	0	0	0	0	0	0	
CT BRIDGEPORT	48	32	61	22	40	-5	.6	-.3	.5	2.6	55	8.5	77	61	32	0	0	0	0	0	0	0	0	0	
HARTFORD	48	25	63	19	36	-8	.2	-.7	-.1	2.1	45	9.2	81	66	29	0	0	0	0	0	0	0	0	0	
DC WASHINGTON	65	38	80	30	51	-2	.1	-.6	-.1	2.2	57	7.1	77	65	30	0	0	0	0	0	0	0	0	0	
FL PANAMA CITY	70	53	77	48	62	-2	.0	-.1	.0	4.1	62	8.3	49	95	51	0	0	0	0	0	0	0	0	0	
DAYTONA BEACH	73	57	78	45	65	-3	.9	.4	.6	3.1	90	6.1	65	95	55	0	0	0	0	0	0	0	0	0	
JACKSONVILLE	74	50	81	41	62	-4	1.6	.9	1.2	5.3	122	9.3	82	96	48	0	0	0	0	0	0	0	0	0	
KEY WEST	81	70	84	67	76	0	.2	-.2	.2	2.0	96	6.3	107	84	65	0	0	0	0	0	0	0	0	0	
MIAMI	82	66	85	60	74	0	1.9	1.3	1.1	6.5	215	11.0	155	83	54	0	0	0	0	0	0	0	0	0	
ORLANDO	76	58	81	48	67	-2	.5	-.1	.4	2.7	72	5.3	59	95	56	0	0	0	0	0	0	0	0	0	
TALLAHASSEE	76	48	84	39	62	-2	.1	-.9	-.1	5.7	77	11.7	66	93	43	0	0	0	0	0	0	0	0	0	
TAMPA	78	61	84	48	69	0	1.1	.8	1.0	3.1	92	8.6	102	91	53	0	0	0	0	0	0	0	0	0	
WEST PALM BEACH	81	64	84	57	73	-1	.3	-.3	.2	2.6	72	5.8	65	85	54	0	0	0	0	0	0	0	0	0	
GA ATLANTA	76	50	83	41	63	4	.0	-1.1	.0	2.7	38	12.8	77	68	26	0	0	0	0	0	0	0	0	0	
AUGUSTA	74	43	81	36	59	-1	.4	-.5	.4	1.3	22	11.5	83	91	30	0	0	0	0	0	0	0	0	0	
MACON	74	45	80	36	59	-2	.3	-.6	.3	2.5	42	13.8	91	87	33	0	0	0	0	0	0	0	0	0	
SAVANNAH	74	51	79	43	63	-1	.6	-.1	.5	1.3	28	8.2	72	91	41	0	0	0	0	0	0	0	0	0	
HI HILO	83	66	85	64	74	2	.8	-.2	.6	5.0	27	11.0	29	87	60	0	0	0	0	0	0	0	0	0	
HONOLULU	84	69	87	66	76	1	.4	.0	.4	1.8	67	8.5	101	88	59	0	0	0	0	0	0	0	0	0	
KAHULUI	84	66	88	62	75	2	.0	.0	.0	2.1	64	5.8	56	83	55	0	0	0	0	0	0	0	0	0	
LILUOUE	79	68	82	64	74	0	1.4	.5	1.3	3.0	59	10.3	72	86	70	0	0	0	0	0	0	0	0	0	
ID BOISE	62	41	73	27	51	5	.8	.5	.3	2.3	139	4.9	118	78	39	0	0	0	0	0	0	0	0	0	
LEWISTON	57	41	64	38	49	1	.1	-.1	.1	.5	34	2.4	69	79	48	0	0	0	0	0	0	0	0	0	
POCATELLO	60	37	71	32	49	7	.1	-.1	.1	3.1	194	5.0	140	72	34	0	0	0	0	0	0	0	0	0	
IL CHICAGO	54	32	67	18	43	-2	.1	-.7	.1	1.6	43	5.2	80	77	38	0	0	0	0	0	0	0	0	0	
MOLINE	59	32	67	18	46	-1	.3	-.6	.1	1.7	42	5.5	81	76	34	0	0	0	0	0	0	0	0	0	
PEORIA	61	36	71	22	48	1	.7	-.2	.4	2.3	59	5.7	83	71	38	0	0	0	0	0	0	0	0	0	
QUINCY	63	38	76	22	51	2	.3	-.5	.2	1.8	43	4.9	71	69	37	0	0	0	0	0	0	0	0	0	
ROCKFORD	52	28	64	15	40	-3	.3	-.8	.1	1.5	46	3.5	59	90	43	0	0	0	0	0	0	0	0	0	
SPRINGFIELD	64	38	77	23	51	2	.2	-.7	.1	3.6	86	8.1	109	82	37	0	0	0	0	0	0	0	0	0	
IN EVANSVILLE	71	41	82	27	56	2	.1	-.1	.1	2.6	42	8.3	67	78	30	0	0	0	0	0	0	0	0	0	
FORT WAYNE	57	30	66	16	43	-2	.8	.0	.7	3.0	78	6.2	82	86	42	0	0	0	0	0	0	0	0	0	
INDIANAPOLIS	63	36	75	20	50	1	.2	-.7	.1	3.2	66	6.5	68	86	38	0	0	0	0	0	0	0	0	0	
SOUTH BEND	54	31	63	18	43	-2	.3	-.6	.3	2.2	53	6.3	76	81	42	0	0	0	0	0	0	0	0	0	
IA DES MOINES	63	33	78	19	48	2	.9	-.2	.8	3.7	122	5.4	107	76	31	0	0	0	0	0	0	0	0	0	
SIOUX CITY	62	34	79	21	48	2	.2	-.3	.1	2.3	90	2.8	74	76	33	0	0	0	0	0	0	0	0	0	
WATERLOO	56	28	72	12	42	-1	.6	-.1	.4	3.3	106	4.2	84	82	35	0	0	0	0	0	0	0	0	0	
KS CONCORDIA	68	40	77	27	54	5	.0	-.5	.0	2.5	89	3.2	80	90	43	0	0	0	0	0	0	0	0	0	
DODGE CITY	76	42	85	29	59	8	.0	-.4	.0	1.3	62	2.1	66	89	27	0	0	0	0	0	0	0	0	0	
GOODLAND	72	33	80	27	52	7	.0	-.2	.0	1.0	70	1.4	66	87	34	0	0	0	0	0	0	0	0	0	
TOPEKA	70	40	84	30	56	5	.0	-.7	.0	2.1	67	4.2	81	89	37	0	0	0	0	0	0	0	0	0	
WICHITA	70	44	81	33	57	3	.0	-.6	.0	2.4	73	3.1	59	83	40	0	0	0	0	0	0	0	0	0	
KY BOWLING GREEN	71	39	85	28	55	1	.0	-1.0	.0	1.0	15	6.1	43	87	33	0	0	0	0	0</					

Weather Data for the Week Ending April 8, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS							
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	AVERAGE MINIMUM	80 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE		
ME CARIBOU	34	15	45	1	25	-8	.4	.2	.4	2.7	88	11.1	150	70	44	0	7	1	0	0		
ME PORTLAND	42	22	49	15	32	-8	.5	.5	.5	2.6	55	11.1	95	66	31	0	7	1	0	0		
MD BALTIMORE	63	35	75	30	49	-1	.6	.6	.6	2.2	52	6.4	61	65	31	0	3	1	0	0		
MA BOSTON	64	31	79	26	48	-3	.7	.8	.8	1.9	37	5.8	47	88	35	0	5	0	0	0		
MA CHEATHAM	45	28	61	20	36	-8	.1	.1	.1	2.3	49	9.2	77	66	30	0	6	2	0	0		
MI ALPENA	42	24	61	12	33	-3	.3	.2	.1	1.3	49	3.9	70	87	48	0	7	3	0	0		
MI DETROIT	52	30	63	17	41	-2	.7	.0	.0	2.4	73	5.8	85	84	42	0	2	5	0	0		
MI FLINT	48	27	60	13	37	-4	.4	.2	.2	1.7	57	4.5	80	88	48	0	5	4	0	0		
MI GRAND RAPIDS	46	26	58	13	36	-6	.5	.2	.2	2.0	58	5.7	84	85	51	0	5	5	0	0		
MI HOGHTON LAKE	42	25	58	13	34	-4	.5	.0	.0	2.1	80	4.8	92	88	49	0	6	5	0	0		
MI LAWING	47	26	55	13	37	-4	.5	.2	.2	2.5	85	6.0	107	92	47	0	5	4	0	0		
MI MARQUETTE	34	15	50	2	24	-8	.4	.2	.3	3.8	109	8.1	110	90	43	0	7	4	0	0		
MI MURKIN	45	29	54	17	37	-4	.4	.2	.1	2.0	62	6.2	87	83	48	0	5	3	0	0		
MI SAULT ST. MARIE	36	20	49	5	28	-5	1.2	.6	.6	2.8	96	6.5	91	94	58	0	7	5	0	1		
MN ALEXANDRIA	41	20	52	3	31	-7	.7	.4	.4	1.3	69	2.3	66	90	47	0	7	2	0	0		
MN DULUTH	36	15	48	-1	26	-8	.3	.2	.2	2.3	93	4.7	105	83	39	0	7	2	0	0		
MN IFF' L FALLS	35	9	47	-3	22	-12	.3	.0	.0	1.0	71	2.7	93	83	45	0	7	3	0	0		
MN MINNEAPOLIS	48	23	64	5	36	-6	.7	.5	.5	2.2	85	2.8	63	74	36	0	4	2	0	0		
MN ROCHESTER	47	23	62	6	35	-5	.3	.3	.3	3.3	136	3.9	99	87	45	0	5	2	0	0		
MS GREENWOOD	77	52	83	44	65	4	.7	.2	.2	5.6	77	11.3	68	84	34	0	0	0	0	0		
MS JACKSON	75	50	80	40	63	1	.7	.3	.3	6.6	89	12.3	70	93	39	0	0	1	0	0		
MS MERIDIAN	77	48	83	39	63	1	.7	.4	.4	5.3	63	12.7	67	93	35	0	0	0	0	0		
MO CAPE GIRARDEAU	73	42	85	31	57	3	.0	-1.0	.0	2.2	35	9.2	73	79	29	0	1	0	0	0		
MO COLUMBIA	70	40	82	26	55	6	.7	.8	.8	1.0	24	7.5	104	82	35	0	2	1	0	0		
MO KANSAS CITY	72	42	82	24	57	6	.0	-0.6	.0	1.1	34	3.9	71	72	31	0	2	0	0	0		
MO SAINT LOUIS	70	45	84	32	58	5	.1	-0.7	.1	3.4	76	9.2	109	78	35	0	2	1	0	0		
MO SPRINGFIELD	71	43	84	34	57	5	.7	.9	.9	1.2	24	6.6	77	80	34	0	0	0	0	0		
MT BILLINGS	58	35	72	23	47	5	1.4	.0	.2	2.2	143	3.1	98	76	41	0	2	3	0	0		
MT GLASGOW	45	24	58	17	35	-5	1.1	1.0	1.0	1.8	342	1.9	161	92	48	0	6	3	1	1		
MT GREAT FALLS	54	30	69	23	42	2	.8	.6	.7	1.6	116	1.7	60	88	38	0	5	3	1	1		
MT HAVRE	50	29	59	21	40	0	.3	.1	.2	1.6	187	1.9	106	86	45	0	3	2	0	0		
MT HELENA	59	36	71	33	47	7	.1	-1.1	.6	.6	32	.6	32	79	33	0	0	1	0	0		
MT KALISPELL	53	33	60	27	43	3	.4	.1	.2	1.9	156	3.5	91	85	43	0	4	3	0	0		
MT MILES CITY	54	31	61	22	42	1	.4	.2	.4	1.8	204	2.2	116	81	35	0	4	2	0	0		
MT MISSOULA	57	35	69	28	46	5	.5	.3	.2	1.1	94	2.3	72	80	41	0	2	3	0	0		
NE GRAND ISLAND	66	35	81	20	51	4	.7	.5	.7	1.8	71	2.5	67	82	39	0	2	0	0	0		
NE LINCOLN	66	36	80	21	51	3	.5	-1.1	.4	2.8	101	4.0	99	83	38	0	3	2	0	0		
NE NORFOLK	64	36	78	23	50	5	.4	-1.1	.4	3.3	140	4.3	117	75	36	0	3	1	0	0		
NE NORTH PLATTE	67	33	79	23	50	6	.2	-0.2	.1	1.4	85	1.6	65	86	33	0	3	2	0	0		
NE OMAHA	64	36	81	23	50	3	.4	-1.1	.3	2.9	110	4.1	100	79	36	0	3	2	0	0		
NE SCOTTSBLOFF	69	32	75	24	50	7	.4	.1	.4	.8	54	2.4	103	84	22	0	3	1	0	0		
NE VALENTINE	61	32	70	22	47	2	.7	.4	.7	.6	34	1.2	42	77	36	0	3	1	0	0		
NV HLY	61	28	68	18	45	6	.0	-0.2	.0	1.4	113	2.9	113	83	17	0	6	0	0	0		
NV LAS VEGAS	80	56	85	51	68	7	.0	-1.1	.0	.4	82	3.4	242	33	14	0	0	0	0	0		
NV RENO	63	37	72	30	50	4	.7	.1	.7	2.9	359	6.4	221	79	24	0	2	2	0	0		
NV WINNEVOCCA	63	34	70	21	48	5	.7	.2	.7	1.6	159	3.2	136	78	24	0	3	1	0	0		
NH CONCORD	45	17	52	14	31	-9	.3	-0.4	.3	2.8	79	8.2	96	78	24	0	7	1	0	0		
NJ ATLANTIC CITY	56	27	70	21	41	-5	.7	-0.8	.7	1.0	21	5.6	51	80	32	0	6	1	0	0		
NM ALBUQUERQUE	71	41	77	34	56	4	.7	-1.1	.7	.2	28	1.1	70	53	17	0	0	2	0	0		
NM CLOVIS	74	43	83	37	59	5	.2	-1.1	.6	.7	79	1.1	69	69	20	0	0	2	0	0		
NM ROSWELL	78	47	86	35	62	4	.3	-0.2	.2	.4	89	68	23	0	0	2	0	0		
NY ALBANY	44	22	52	18	33	-9	.4	-0.3	.4	2.6	71	6.7	80	83	40	0	7	1	0	0		
NY BINGHAMTON	42	20	55	14	31	-9	.9	-0.2	.3	2.0	55	7.0	83	76	42	0	7	3	0	0		
NY BUFFALO	46	25	61	17	35	-6	.3	-0.3	.1	1.7	49	9.2	109	85	46	0	7	4	0	0		
NY NEW YORK	51	35	68	25	43	-5	.2	-0.7	.1	1.3	29	8.0	77	63	31	0	3	2	0	0		
NY ROCHESTER	44	23	61	17	34	-8	.2	-0.4	.1	1.3	44	5.4	75	85	46	0	7	2	0	0		
NY SYRACUSE	43	21	58	18	32	-9	.5	-0.3	.3	1.8	48	5.8	71	82	42	0	7	2	0	0		
NC ASHEVILLE	69	36	78	29	52	-1	.0	-1.0	.0	2.4	36	12.4	82	74	27	0	2	0	0	0		
NC CHARLOTTE	71	45	82	37	58	2	.7	-0.7	.7	1.5	29	10.3	81	69	25	0	0	0	0	0		
NC GREENSBORO	70	42	83	33	56	2	.7	-0.7	.7	1.9	41	8.4	77	71	25	0	0	0	0	0		
NC HATTERAS	65	47	74	41	56	0	.1	-0.8	.0	1.9	35	16.5	113	80	44	0	0	2	0	0		
NC NEW BERN	71	46	83	38	59	0	.7	-0.7	.7	1.8	37	5.4	41	91	33	0	0	0	0	0		
NC RALPHIGH	70	43	84	31	56	0	.0	-0.6	.0	2.5	55	11.5	99	84	26	0	1	0	0	0		
NC WILMINGTON	70	47	80	35	59	1	.1	-0.7	.1	4.5	84	13.9	96	92	38	0	0	2	0	0		
ND BISMARCK	47	22	61	8	34	-4	.7	-0.3	.7	1.7	148	2.4	117	87	39	0	6	1	0	0		
ND FARGO	43	21	53	5	32	-5	.7	-0.4	.7	2.7	180	4.0	154	80	51	0	6	1	0	0		
ND GRAND FORKS	38	18	50	4	28	-8	.7	-0.3	.7	1.6	130	2.4	97	92	56	0	6	1	0	0		
ND WILLISTON	45	20	59	7	33	-6	.1	-0.2	.1	1.2	122	2.3	118	85	43	0	6	2	0	0		
OR AKRON-CANTON	55	29	69	15	42	-3	.7	.0	.3	2.4	59	8.7	102	87	45	0	5	4	0	0		
OH CINCINNATI	64	36	78	21	50	1	1.3	.4	1.1	3.9	74	9.2	88	78	35	0	2	2	1	1		
OH CLEVELAND	52	31	68	23	41	-3	1.1	.3	.9	2.8	76	10.4	130	85	51	0	4	4	1	1		
OH COLUMBUS	62	32	73	18	47	2	.4	-0.4	.2	2.0	50	8.2	100	78	32	0	4	4	0	0		
OH DAYTON	61	33	71	17	47	-1	.3	-0.5	.3	3.0	69	6.9	79	84	36	0	3	3	0	0		

Based on 1961-90 normals.

Weather Data for the Week Ending April 8, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT	NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN., SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL IN., SINCE Jan 1		PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	MINIMUM	TEMP. °F		PRECIP.
													90 AND ABOVE					32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	54	29	67	12	41	-2	.9	.2	.8	2.4	71	6.1	88	83	44	0	0	3	2	1
YOUNGSTOWN	53	29	68	16	41	-2	.8	.0	.3	2.3	58	6.3	77	92	50	0	0	4	1	0
OK OKLAHOMA CITY	72	48	86	42	60	3	.1	.4	.1	2.4	71	3.7	61	92	46	0	0	4	5	0
TOLSA	74	48	83	37	61	3	.1	.7	.1	1.9	44	3.4	44	90	42	0	0	0	0	0
OR ASTORIA	56	40	61	34	48	1	2.1	.8	.8	10.9	128	27.0	103	96	65	0	0	0	1	2
BURNS	56	33	67	25	44	4	.1	.0	.1	2.3	189	5.6	190	83	39	0	0	4	1	0
MEDFORD	64	39	78	32	52	2	.5	.2	.3	3.3	149	9.2	135	95	40	0	0	1	1	0
PENDLETON	60	41	71	38	50	2	.6	.3	.4	2.6	175	6.2	150	79	43	0	0	0	4	5
PORTLAND	60	42	75	36	51	2	1.4	.8	.7	5.2	122	14.0	103	91	45	0	0	0	4	1
SALEM	59	40	74	32	49	2	1.6	.9	.8	6.0	122	19.0	124	90	46	0	0	1	1	0
PA ALLENTOWN	52	28	65	21	40	-6	.2	.6	.2	3.4	81	9.4	91	72	33	0	0	1	5	1
ERYE	46	28	66	20	37	-5	1.0	.3	.5	3.5	90	8.5	102	91	53	0	0	6	1	0
HARRISBURG	56	33	65	25	45	-3	.3	.4	.2	1.2	30	6.3	63	86	43	0	0	2	5	1
PHILADELPHIA	58	35	69	27	47	-1	.2	.7	.1	1.8	40	7.3	67	68	32	0	0	2	2	0
PITTSBURGH	58	31	72	18	44	-2	.5	.2	.3	2.1	49	6.1	66	85	43	0	0	3	5	0
SCRANTON	47	24	56	17	36	-8	.4	.2	.2	1.8	53	5.9	79	73	40	0	0	0	2	0
RI PROVIDENCE	50	28	65	20	39	-5	.4	.5	.2	2.5	48	9.3	73	69	28	0	0	7	2	0
SC CHARLESTON	74	51	80	46	63	0	1.1	.4	1.1	1.8	35	9.5	80	69	28	0	0	6	3	0
COLUMBIA	75	46	83	34	60	0	.2	.7	.2	1.8	32	13.0	91	81	28	0	0	0	1	1
FLORENCE	74	47	83	37	61	0	.2	.5	.2	1.4	28	12.2	104	91	31	0	0	0	1	0
GREENVILLE	74	42	82	33	58	1	T	-1.0	T	2.3	35	13.8	92	86	24	0	0	0	0	0
SD ABERDEEN	46	24	66	11	35	-4	.2	.2	.2	2.5	167	3.7	134	86	44	0	0	6	1	0
HURON	49	28	66	16	39	-3	.5	.1	.3	3.7	172	4.5	137	84	50	0	0	6	4	0
RAPID CITY	59	31	68	23	45	4	.2	.2	.1	1.0	67	4.6	68	75	34	0	0	4	2	0
SIOUX FALLS	52	29	65	14	40	-2	.2	.3	.2	4.3	191	4.6	68	84	34	0	0	4	4	0
TX CHATTANOOGA	75	42	83	36	59	3	T	-1.1	T	3.7	50	15.5	135	81	40	0	0	4	2	0
KNOXVILLE	72	41	80	35	57	2	.1	.9	.1	3.6	59	13.2	91	80	24	0	0	1	1	0
MEMPHIS	76	51	82	41	64	4	.3	-1.0	.2	3.6	53	12.9	86	74	25	0	0	1	1	0
NASHVILLE	74	42	82	35	58	2	T	-1.0	T	3.9	64	11.3	84	65	28	0	0	0	2	0
TX ABILENE	73	54	88	46	63	1	1.0	.6	.7	2.5	142	4.2	107	91	50	0	0	0	0	1
AMARILLO	76	41	86	35	58	5	.2	.0	.1	1.0	83	6.2	55	84	22	0	0	0	2	0
AUSTIN	74	56	84	47	65	-2	1.8	1.4	1.2	4.0	168	6.3	100	95	58	0	0	0	2	0
BEAUMONT	75	56	79	46	65	-1	1.4	.7	1.0	5.5	135	12.9	106	99	64	0	0	0	2	1
BROWNSVILLE	83	62	88	58	73	0	.1	.2	.1	.6	78	1.4	40	95	47	0	0	0	1	0
CORPUS CHRISTI	81	61	85	53	71	0	.2	.1	.2	5.0	400	8.0	162	96	50	0	0	0	1	0
DEL RIO	81	56	92	52	69	1	.7	.3	.6	1.8	111	2.1	51	89	44	1	0	0	2	1
EL PASO	79	52	86	46	65	5	T	.0	.0	.5	129	1.6	134	47	11	0	0	0	1	0
FORT WORTH	73	53	82	46	63	2	2.5	1.8	1.3	9.2	237	11.8	145	95	59	0	0	0	3	2
GALVESTON	72	62	77	57	67	2	1.9	1.4	1.9	5.6	200	6.9	82	93	71	0	0	0	1	1
HOUSTON	75	56	85	47	65	0	1.9	1.2	1.7	6.0	153	14.6	128	96	62	0	0	0	2	1
LUBBOCK	77	47	87	46	62	4	.7	.6	.7	1.2	119	1.8	87	83	31	0	0	0	1	1
MIDLAND	77	50	89	41	64	2	.4	.3	.4	.6	98	2.0	123	90	27	0	0	0	2	0
SAN ANGELO	77	54	88	46	66	2	2.4	2.1	2.2	3.4	274	6.5	209	90	46	0	0	0	2	1
SAN ANTONIO	76	56	81	49	66	-1	.7	.2	.6	1.3	65	2.8	50	95	49	0	0	0	3	1
VICTORIA	72	54	83	43	63	-1	1.3	.8	1.1	4.7	164	5.8	65	95	57	0	0	0	3	1
WACO	75	52	90	43	64	3	1.6	.9	.8	5.2	170	7.2	105	95	62	0	0	0	3	1
WICHITA FALLS	72	54	83	43	63	-1	.6	.0	.6	2.4	75	3.3	52	91	40	1	0	1	1	0
UT CEDAR CITY	64	36	71	28	50	5	.1	.2	.1	2.3	139	3.7	115	64	23	0	2	1	0	0
SALT LAKE CITY	64	40	70	34	52	5	.1	.2	.1	2.3	139	3.7	115	64	23	0	2	1	0	0
VT BURLINGTON	40	17	48	10	29	-11	.1	.4	.1	2.4	98	5.3	110	74	30	0	0	1	1	0
VA NORFOLK	67	41	86	35	54	0	.0	.5	.1	1.7	60	4.9	77	76	26	0	7	3	0	0
RICHMOND	69	36	84	29	53	-1	T	.7	.0	2.9	65	8.2	69	76	32	0	0	0	0	0
ROANOKE	70	37	83	29	53	1	.0	.7	.0	3.0	68	7.3	68	79	22	0	2	1	0	0
WA QUILLAYOTE	55	40	63	34	48	3	3.3	1.3	1.5	13.3	30	10.5	105	59	20	0	3	0	0	0
SEATTLE-TACOMA	59	44	70	41	51	4	.8	.2	.6	4.9	115	14.4	105	92	52	0	0	4	1	0
SPOKANE	56	36	64	30	46	3	.3	.1	.3	4.2	229	8.5	162	85	41	0	2	3	0	0
YAKIMA	62	34	70	29	48	1	T	.1	T	1.3	158	3.6	130	72	36	0	4	1	0	0
WV BECKLEY	62	36	76	21	49	1	.1	.6	.1	2.3	54	10.2	101	56	24	0	2	2	0	0
CHARLESTON	67	34	82	24	51	-1	.1	.7	.1	2.8	62	11.8	113	83	35	0	5	1	0	0
HUNTINGTON	67	36	83	23	52	2	.1	.7	.1	3.1	70	10.6	101	69	23	0	3	2	0	0
PARKERSBURG	65	34	81	21	49	-1	T	.9	T	2.0	41	7.2	66	80	27	0	4	0	0	0
WI GREEN BAY	44	22	64	11	33	-6	.2	.3	.1	2.2	81	3.2	66	85	42	0	7	7	0	0
LACROSSE	49	26	65	11	37	-6	T	.6	T	2.8	103	3.9	86	81	37	0	5	3	0	0
MADISON	50	25	67	14	38	-4	.8	.1	.6	2.9	99	5.1	99	82	40	0	5	0	0	0
MILWAUKEE	49	30	67	19	39	-1	.5	.4	.4	2.2	62	4.6	69	79	48	0	2	7	2	0
WAUSAU	40	19	57	4	29	-9	.1	.4	.1	1.8	67	2.5	56	82	42	0	7	4	0	0
WY CASPER	62	30	68	24	46	7	T	.3	T	.6	43	2.3	96	83	25	0	4	2	0	0
CHEYENNE	63	33	69	25	48	9	T	.2	T	.2	17	1.4	65	79	21	0	3	1	0	0
LANDER	62	36	67	29	49	9	.0	.4	.0	.6	36	2.1	79	58	20	0	1	0	0	0
SHERIDAN	60	37	71	27	48	8	T	.3	T	.9	63	2.7	98	83	36	0	1	1	0	0
PR SAN JUAN	89	74	91	73	81	3	T	.7	T	1.3	41	8.4	103	90	52	5	0	0	0	0

Based on 1961-90 normals.

March Weather and Crop Summary

Weather

California's abundant rain and snow highlighted the weather picture, as precipitation totaled more than twice normal. Farther east, 4- to 5-month runs of warmer-than-normal weather remained intact across most of the East and the interior West, while dramatic temperature fluctuations affected the Plains.

It was the wettest March on record in San Luis Obispo, CA (16.48 inches), breaking the record of 12.82 inches set in 1991. Near-record March wetness was observed in Santa Maria, CA (7.72 inches; third wettest) and Santa Barbara, CA (10.76 inches; fourth wettest). All-time high-water marks were set on March 9 on the Napa River at Napa, and the Salinas River at Bradley and Spreckels. Wet conditions were not confined to California; most areas West of the Rocky Divide, as well as the northern Plains and parts of the Gulf Coast region, received above-normal amounts. In fact, Spokane, WA (3.81 inches) and Dallas-Ft. Worth, TX (6.69 inches) reported March-record rainfalls. Much-needed precipitation fell in winter wheat areas of Montana, where March totals represented more than 75 percent of the year-to-date accumulations at locations such as Great Falls and Havre. Farther south, beneficial precipitation fell across most wheat areas, but dryness persisted through month's end in eastern New Mexico and western Texas.

The Plains were subjected to sharp temperature swings and significant snowfall early in the month. On March 8, the low of -32 degrees F in Aberdeen, SD was a March record, while readings of -15 degrees F in Sioux Falls, SD and -28 degrees F in Bismarck, ND were the lowest of the winter. Only 3 days later, Pierre, SD notched a high of 80 degrees F, marking the beginning of a mid- to late-month warm spell that spanned the Nation and pushed temperatures above 90 degrees F as far north as Amarillo, TX and Tulsa, OK. But during the first 9 days of the month, snow cover reached deep into the South and East, with a total of 5 inches measured in Amarillo, TX (on March 1-2) and nearly 9 inches in Charleston, WV (mostly on March 8). In Dodge City, KS, the monthly snowfall of 11.3 inches represented more than half of the season-to-date total. Monthly snowfalls topped 20 inches in locations such as Bismarck, ND and Aberdeen, SD.

In the East, precipitation was scarce after March 8, except along the Gulf Coast. Monthly totals were less than 50 percent of normal in a strip from Georgia to New York, and Harrisburg, PA (0.95 inches) noted its driest March on record. Worcester, MA had its first March without measurable snow since 1954, while Atlantic City, NJ ended the month with a seasonal accumulation of 0.8 inches, their second-lowest total on record. Dry weather also encompassed Hawaii, where monthly totals ranged from 17 to 65 percent of normal. The year-to-date rainfall deficit in Hilo, HI approached 25 inches by the end of March.

Fieldwork

The month began with heavy rainfall in California that brought fieldwork to a standstill and flooded crops, vegetables, and small grain fields. Warm weather and moisture early in March caused the winter wheat to lose its cold hardiness and to green quickly

in the central Great Plains. Snow, early in the month, insulated winter wheat in the Northern States from a cold blast of Canadian air. Mild March temperatures and rain across the Southeastern States boosted small grain growth but slowed fieldwork. Midwestern fields in early March were too wet to support farm equipment, while in Texas, wheat fields needed moisture.

By mid-month, small grains in the Southwest progressed ahead of normal, while wheat in Kansas remained semi-dormant. In the Midwest, bitter cold, rain, and snow restricted field activities. Rain-soaked fields and low soil temperatures in the Southeastern States slowed planting. Continued rain in California and saturated fields limited fieldwork and delayed cotton planting in the San Joaquin Valley. As the month progressed, unseasonably warm, dry weather in the Midwest warmed soils and allowed spring fieldwork to begin, and encouraged wheat growth. March temperature fluctuations gave way to mild weather by mid-month in the Central States, pushing the small grains development ahead of normal.

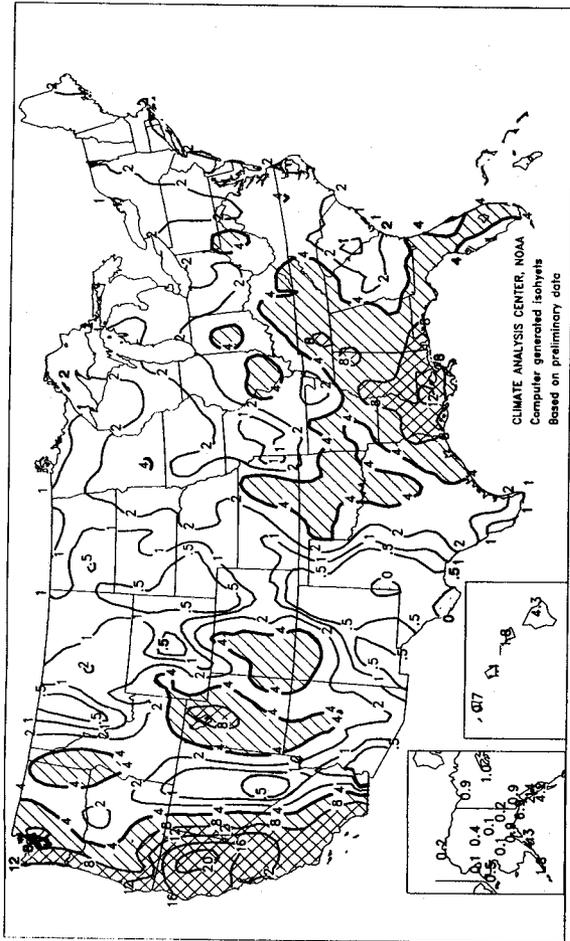
Toward the end of March, snow across Montana and the High Plains brought much-needed moisture to wheat fields. In the Midwest, mild weather permitted spring tillage to begin, while in the Great Lakes region, fields remained too wet for fieldwork. Wheat in the Texas Plains needed moisture but hot, dry weather continued until the end of the month. Cool weather and heavy rains in the Gulf Coast States delayed spring planting and slowed rice and winter wheat growth at month's end. Dry weather across the Central States allowed fieldwork to progress, but rain and snow in the Midwest limited fieldwork. The month ended with wet, wintry weather in the Northern States that left fields saturated and delayed ground preparation. Fields dried enough for land preparation to begin in the Ohio Valley, but low soil temperatures prevented planting. By the end of March, field groundwork for cotton was in full swing in the Southeastern States. Overall, March's weather improved the Nation's wheat crop, and allowed spring fieldwork to begin slightly ahead of normal.

California Water Levels Rise

In March 1991, with California riding out the fifth year of a 6-year drought, "miracle March" rains eased a water-supply crisis. Since then, reservoirs returned to near-normal levels after runoff from 1992-93's heavy precipitation, only to be drained back to about 75 percent of normal volume by the end of 1994. The water-supply situation has changed dramatically since then, due to exceptionally heavy precipitation in January and March 1995. Data from California's Department of Water Resources indicated that, on April 1, the traditional peak snow pack date, the water content of snow in the Sierra Nevada ranged from 165 to 180 percent of normal. In addition, heavy rain and low-elevation snow melt produced enough runoff to already lift the State's reservoir holdings to 112 percent of normal by the end of March.

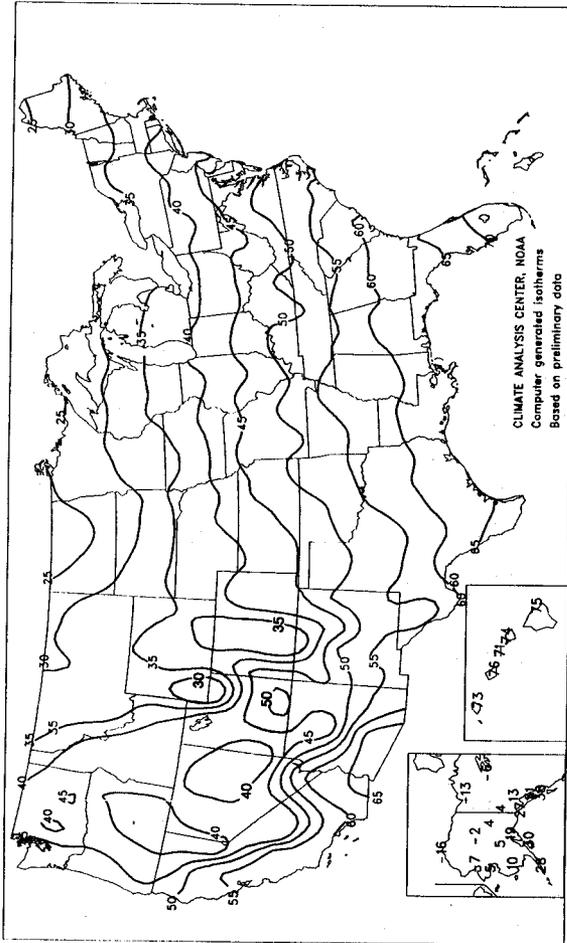
Total Precipitation (Inches)

MAR 1995



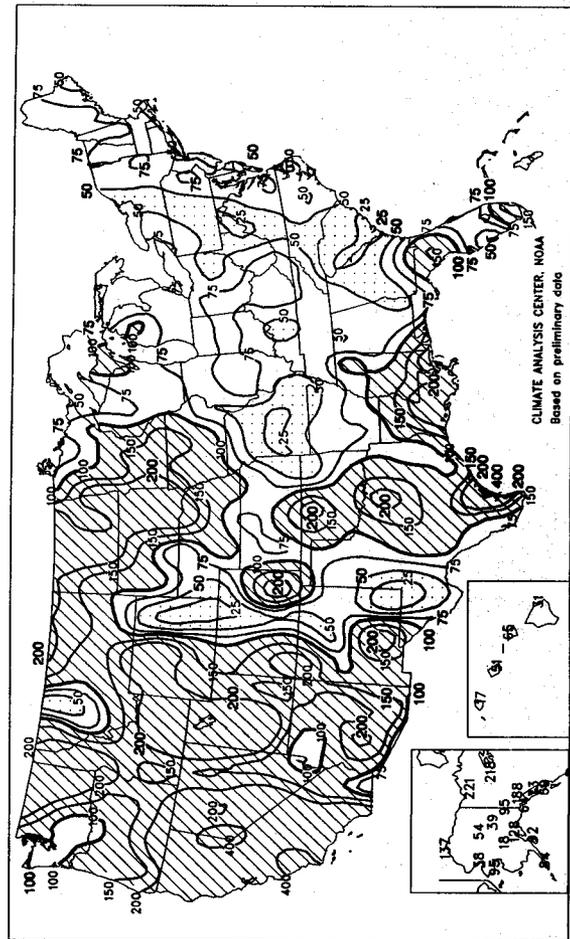
Average Temperature (°F)

MAR 1995



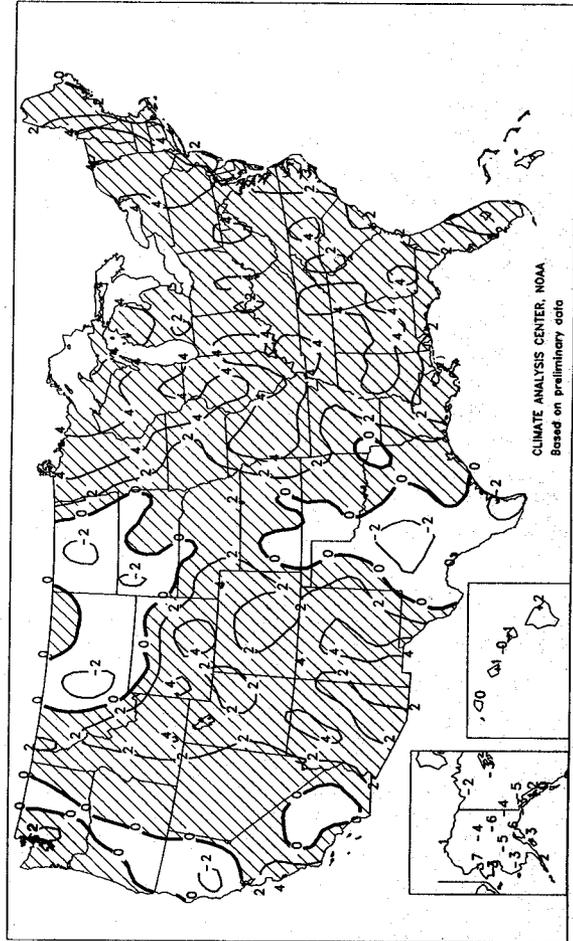
Percent Of Normal Precipitation

MAR 1995



Departure of Average Temperature from Normal (°F)

MAR 1995



March Weather in Historical Perspective

The Nation's average temperature of 44.3°F was 1.9°F above the 30-year normal, making March the 23rd warmest such month in the past 101 years. March temperatures averaged above normal during 10 of the past 11 years, unprecedented in the historical record (fig. 1). All nine regions observed monthly temperatures in the warm half of the historical distribution (table 1), paced by the Northeast (14th warmest March).

Precipitation spanned the spectrum from near-record dryness in the Northeast (fourth driest March; 50 percent of normal) to extreme wetness in the West (eighth wettest; 191 percent of normal). The Central and Southeast regions were also very dry. For the Nation as a whole, an average of 2.26 inches of precipitation fell, the 43rd lowest total on record, and 91 percent of the 1961-90 normal (fig. 2).

Preliminary State rankings of temperature and precipitation, which should be used with caution, appear in figure 3.

Figure 1

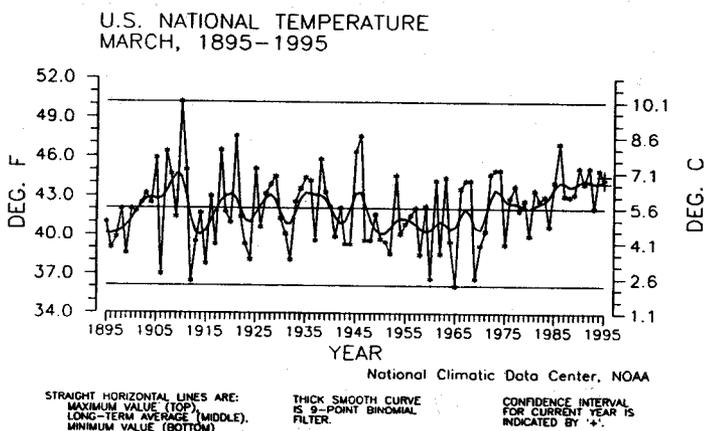


Figure 2

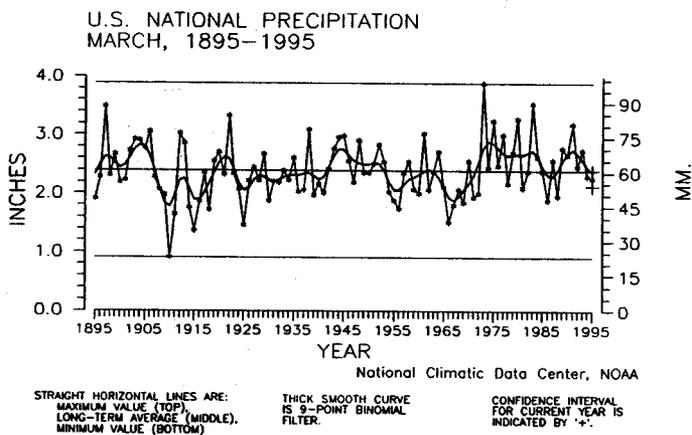
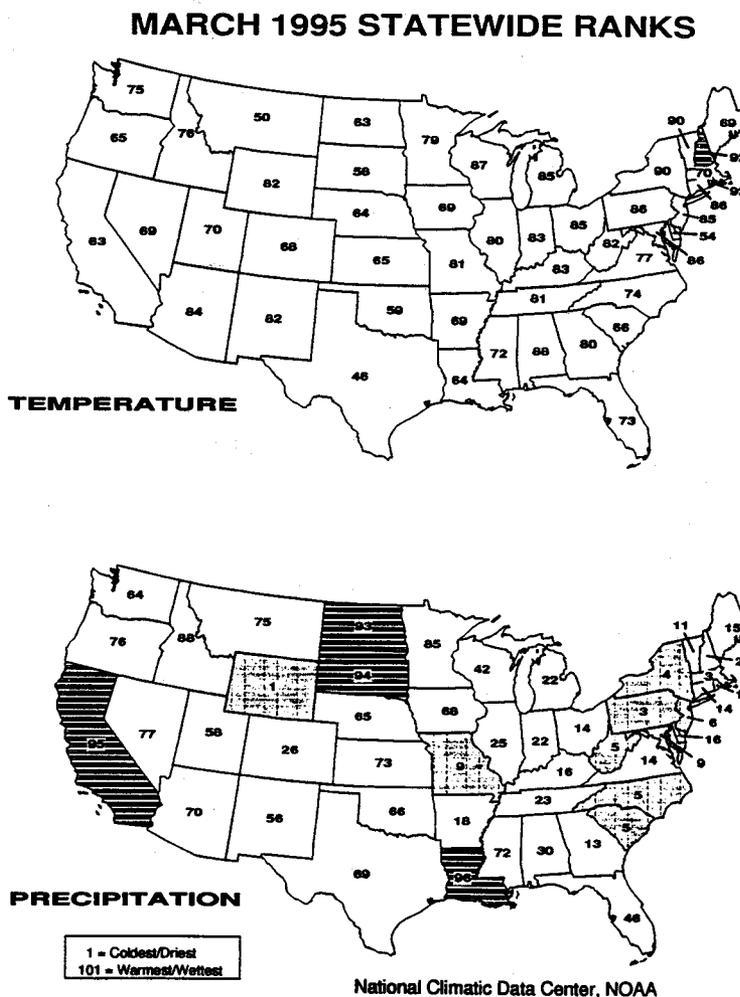


Figure 3



Region	Precipitation	Temperature
Northeast	4	88
East North Central	52	80
Central	11	84
Southeast	12	77
West North Central	77	64
South	61	60
Southwest	56	77
Northwest	79	72
West	94	65
National	43	79

Temperature and Precipitation Ranks for the contiguous United States. Each state is ranked based on its data from 1895-1995. States having a rank of top ten coldest or driest (rank 1-10) or top ten warmest or wettest (rank 92-101) are shaded.

National Agricultural Summary

April 3 - 9, 1995

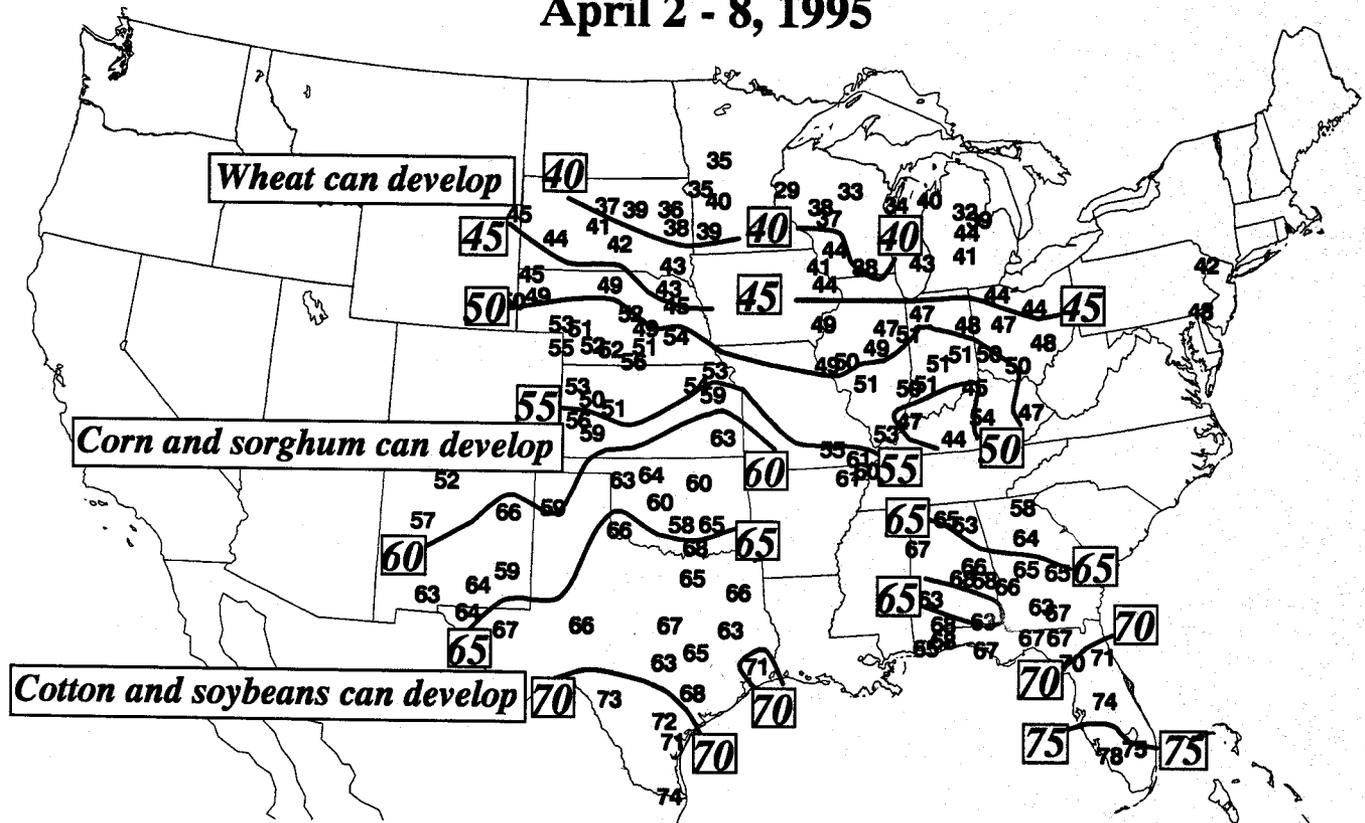
HIGHLIGHTS: Wheat fields in Texas received much-needed moisture from heavy rainfall that also slowed rice and cotton planting. In the Midwest, a widespread storm system, combined with Arctic temperatures, limited field preparation. Some plowing, disking, and fertilizing were completed where drier soils and weather conditions permitted. Winter returned to the Northern States as temperatures dropped and removed hope of early-spring planting. Heavy snows in northern Rocky Mountain States brought moisture to dormant small grain fields. Fields remained too wet for planting in the Dakotas and the Great Lakes. Producers delayed Spring planting in the Delta region because of wet conditions and in the Southeastern States due to dry conditions. Small grains in the Southeast were in a critical stage of growth and needed rain. Fieldwork resumed in California as fields dried, but late-week rains in the northern part of the State slowed progress. Rice fields in California were burned in preparation for planting, while cot-

ton planting in California was behind the 5-year average due to wet fields. Many northern almond orchards were being cleaned from the aftermath of March's storms.

SMALL GRAINS: The Nation's winter wheat crop was in mostly good to excellent condition. In Washington, weed infestation brought wheat condition down slightly from last week's rating of mostly good to mostly fair. In Oregon, wheat was overseeded with spring wheat where weed infestations were reported. Wheat condition increased slightly in Texas after the much-needed rain. Rust and powdery mildew continued to be a problem for winter wheat in the lower Mississippi Valley. Wheat made good growth in California, but disease problems were reported in some counties. Warm weather put Kansas wheat development ahead of normal. In central Kansas, freeze damage was slight, while greenbugs and speckled leaf blotch were reported as a problem.

Average Soil Temperature (°F 4-Inch Bare)

April 2 - 8, 1995



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data

Crop Progress and Condition

Cotton Percent Planted Selected States

STATE	Week Ending			
	4/09/95	4/02/95	4/09/94	5-YR AVG
AL	2	NA	2	4
AZ	32	NA	38	38
AR	1	NA	0	0
CA	5	NA	10	21
GA	2	NA	2	1
LA	0	NA	0	1
MS	2	NA	0	0
MO	0	NA	0	0
NM	4	NA	0	1
NC	0	NA	0	0
OK	0	NA	0	0
SC	1	NA	0	0
TN	0	NA	0	0
TX	11	NA	15	11
14 States	6	NA	8	8

These 14 States produced 99% of the 1994 cotton crop.

Rice Percent Planted Selected States

STATE	Week Ending			
	4/09/95	4/02/95	4/09/94	5-YR AVG
AR	16	5	5	4
CA	0	0	0	0
LA	37	27	39	34
MS	26	9	13	8
TX	41	20	46	34
5 States	21	11	16	13

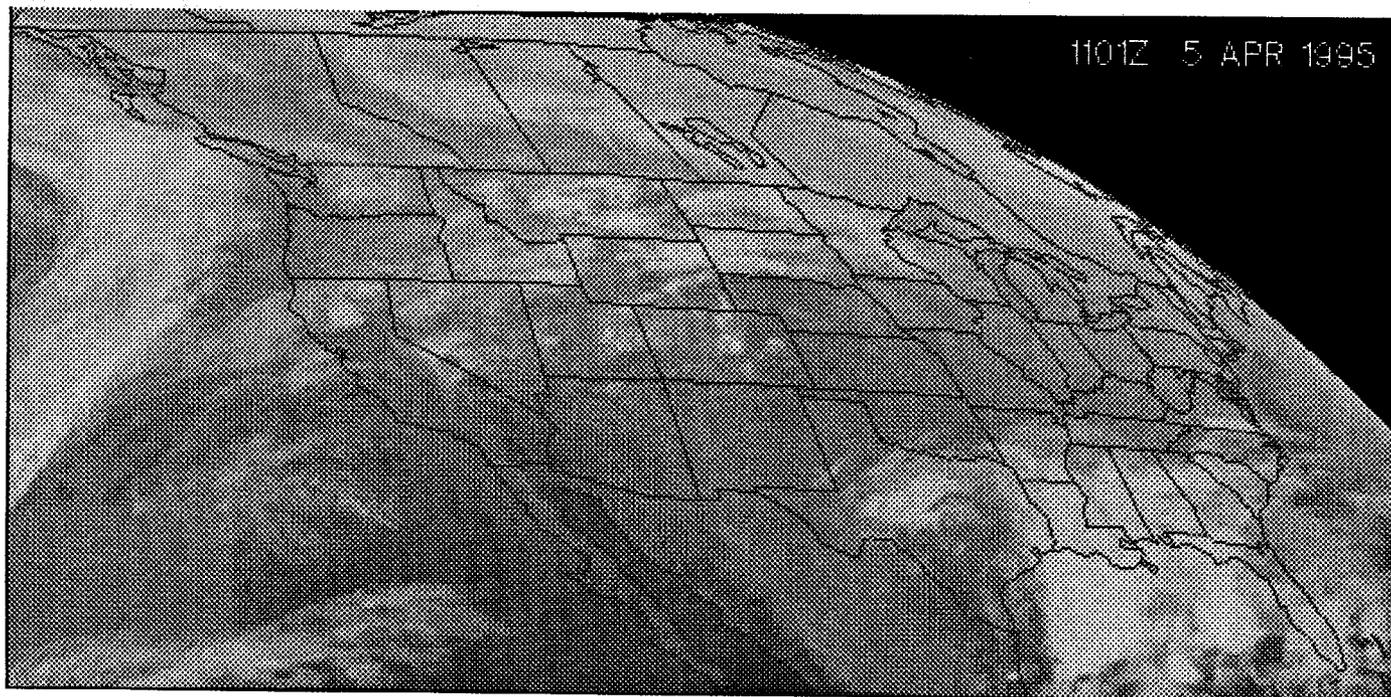
These 5 States produced 96% of the 1994 rice crop.

Winter Wheat Crop Condition by Percent, Selected States

STATE	VP	P	F	G	EX
AR	0	2	23	53	22
CA	0	0	25	45	30
CO	3	10	29	48	10
GA	3	7	49	39	2
ID	0	0	12	64	24
IL	0	1	9	62	28
IN	0	1	15	68	16
KS	0	0	15	73	12
MI	0	3	19	45	33
MO	0	0	34	60	6
MT	1	7	31	39	22
NE	0	0	22	68	10
NC	0	0	14	83	3
OH	0	3	19	55	23
OK	0	4	19	67	10
OR	5	17	47	30	1
SD	0	1	27	60	12
TX	5	9	49	32	5
WA	7	11	40	39	3
19 States	1	4	26	57	12
Prev Wk	1	4	25	57	13
Prev Yr	1	6	41	48	4

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Department of Agriculture.**

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent



State Summaries of Weather and Agriculture

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

ALABAMA: Rainfall none to 0.05 in. north; none to 0.22 in. central; none to 0.02 in. south. Temperatures 4° below normal to 6° above normal statewide. Lows 33 to 45° north; 37 to 47° central; 36 to 50° south. Highs 82 to 88° north, central; 79 to 85° south.

Days suitable for fieldwork 6.5. Topsoil 16% very short, 48% short, 36% adequate. Percent acreage prepared 60%, 55% 1994, 55% avg. Corn planted 61%, 38% 1994, 49% avg. Sorghum planted 7%, 2% 1994, 5% avg. Wheat headed 36%, 23% 1994, 29% avg.; 5% poor, 49% fair, 46% good. Pasture feed 11% poor, 49% fair, 36% good, 4% excellent. Livestock 3% poor, 22% fair, 67% good, 8% excellent. Activities: spring plowing, planting, care of livestock, poultry, catfish.

ARIZONA: Temperatures normal to 6° above normal. Extremes 23°; 83° higher elevations; 37°; 95° deserts. No precipitation.

Cooperative weather lets fieldwork continue. Small grains 1% poor, 10% fair, 65% good, 24% excellent; 100% jointing, 100% 1994, 98% avg.; 90% heading, 81% 1994, 76% avg. Alfalfa 1% poor, 3% fair, 55% good, 41% excellent. Harvest 2% light, 6% moderate, 91% active. Sheeping off 17% light, 83% finished or none. Vegetable harvesting decreasing. Head lettuce, cabbage, cauliflower, salad savoy, artichokes, broccoli, broccoflower, kale, parsley, leaf lettuce, romaine, kohlrabi, asparagus shipped western growers. Vegetables shipped central areas were head lettuce, cabbage, mixed greens, dry onions, spinach, broccoli, carrots, green onions, leaf lettuce, parsley, cantaloupe, kale, swiss chard. Tomatoes available eastern growers. Citrus shipments western areas have dropped. Grapefruit, tangelos, tangerines, valencia oranges available western, central areas.

ARKANSAS: Temperatures slightly above normal with scattered showers first part of the week, heaviest in the Southwestern region. Extremes 29°; 93°. Precipitation none to 1.24 in.

Days suitable for fieldwork 6. Soil moisture 4% very short, 29% short, 61% adequate, 6% surplus. Producers were planting rice, corn, grain sorghum, cotton, soybeans. Rust, powdery mildew continue to be a problem in wheat. Fruit trees were being sprayed in Faulkner county. Producers vaccinating calves. Little River county reported cases of bloating that caused some deaths in stocker cattle. Livestock in good condition.

CALIFORNIA: Temperatures well above normal. Strong ridge of high pressure brought abundant sunshine, light northerly winds. Storm late week spread light to moderate amounts precipitation into northern half of State. Southern areas dry.

Field activities gradually resumed, drier conditions prevailed. Weekend rainfall slowed progress northern counties. Small grains good growth, development. Heads formed most fields, except higher elevations. Broadleaf weed treatments ongoing. Wheat disease problems evident Sutter, Yuba counties, excessive moisture. Rice fields burned, prepared planting where conditions, air quality regulations permitted. Sugarbeets treated aphids, mildew. Corn planted, fertilized. Safflower planted, sprayed weeds. Cotton planting active, desert counties, slowly gained momentum, San Joaquin Valley. Alfalfa, forage crops, small grains, sudangrass cut hay, greenchopped. Some alfalfa fields treated weevils. Fruit, nut growers treated orchards with fungicide. Crown rot was noted, peaches, almonds. Pruning, blight spraying continued, northern walnut orchards. Pollination, central, southern walnuts, fair to poor, depending variety, time bloom. Aftermath March storms, many northern almond orchards cleaning up, cutting wood. Weed control, orchards, vineyards active. Grape growers discing weeds, spraying mildew. Grape shoots growing fast, recent warm weather. Navel orange harvest winding down. Valencia orange, avocado, desert grapefruit harvests active. Early planted strawberries recovering flooding, new fruit sets noted. Soil undergoing fumigation, new strawberry plantings. Asparagus harvest increased, warmer weather, Stockton delta, Imperial, Coachella valleys. Artichokes harvested Monterey County. Growers harvested broccoli, cauliflower, where conditions permitted Monterey County, Imperial, Coachella, San Joaquin valleys. Cabbage harvest continued. Carrot harvest, Kern County, Imperial Valley ongoing. Spring head, leaf lettuce fields harvested, Monterey County, San Joaquin Valley. Melons, bell peppers harvested, Fresno County. Winter potato harvest, Riverside, Kern counties winding down, as planting spring potatoes

continued. Sweet corn tasseled, Riverside County. Sweet potatoes planted, Merced County. Spinach harvested, Stanislaus County. Fresh market tomato transplanting resumed, San Joaquin Valley. Soil crusting reduced emergence processing tomato seedlings. Some processing tomatoes replanted, schedules permit. Other crops harvested: Oriental vegetables, ginger root, green onions, radishes, bok choy, kale, turnips. Vegetation nearing maturity, lower elevation range, pasture started dry. Pasture conditions benefited from warm, sunny weather. Ranchers expressed need for mid-, late-April rains to extend growing season. Plenty, quality feed available. Cattle, some areas readied movement, upper elevation pastures. Market lambs shipped out Imperial Valley. Livestock good.

COLORADO: Beginning of the week started off with temperatures above normal. An approaching storm front on the 7th warmed temperatures into the 80s on the 8th. The week was dry but on the 9th snow covered most all of the east, especially the northeast where 4 to 10 in. fell, with more snow forecast for other areas of the State.

Days suitable for fieldwork 5.9. Topsoil 14% very short, 28% short, 57% adequate, 1% surplus. Subsoil 13% very short, 43% short, 43% adequate, 1% surplus. Spring barley 23% seeded, 28% 1994, 28% avg.; 6% emerged, 9% 1994, 12% avg. Oats 25% seeded, 36% 1994, 32% avg.; 12% emerged, 12% 1994, 11% avg. Dry onions 55% planted, 72% 1994, 49% avg.; 4% fair, 63% good, 33% excellent. Sugar beets 80% planted, 60% 1994, 28% avg. Summer potatoes 6% planted. Spring wheat 8% seeded, 14% 1994, 13% avg. Winter wheat 3% pastured, 8% 1994, 7% avg.; 22% jointed, 8% 1994, 7% avg.; 3% very poor, 10% poor, 29% fair, 48% good, 10% excellent. Livestock mostly in good to excellent condition. Cows 80% calved, 80% 1994, 73% avg. Ewes 72% lambing, 81% 1994, 79% avg. Pasture, range feed 4% very poor, 27% poor, 34% fair, 34% good, 1% excellent.

FLORIDA: Temperatures 1 to 5° below normal Peninsula, rest of State 2° below to 4° above normal. Lows 40s north, upper 40s central, south, mid 60s southeast. Average rain days: 1.00 in Panhandle, 2 to 4 days Peninsula. Rainfall 0.50 in. Panhandle, 0.50 to 2.50 in. Peninsula.

Soil moisture mostly adequate throughout State. Sugarcane harvest complete. Tobacco transplanting winding down. Peanut planting starting. Sunny skies over southern vegetable fields during first part of week clouded over as scattered thunderstorms accompanied by gusty winds arrived mid to late week. Most northern fields escaped the rains. Cool nighttime temperatures slowed crop development around Palmetto-Ruskin. Watermelon planting neared the end in most northern areas. Tomato planting completed around Quincy. Volume leaders: Tomatoes, potatoes, cucumbers, peppers, cabbage, sweet corn, snap beans, squash, celery, strawberries. Two or more days of rain provides adequate moisture. Bloom complete some citrus groves, others still blooming. Harvest of Valencias very active. Grapefruit harvest slowing as supplies are limited. Temple harvest all but over. Honey tangerine movement down to the last few thousand boxes. Caretakers cutting cover crops, hedging, burning debris where permitted. Pasture feed poor 5%, fair 35%, good 60%. Cattle condition mostly good.

GEORGIA: Temperatures 2 to 5° above normal north, 1 to 2° below normal central, south. Highs upper 70s northeast mountains to middle 80s central, south. Coldest upper 20s higher elevations northeast mountains, near 40° central, upper 40s southeast. No significant rain recorded north with 1 to 2 rainy days elsewhere. Weekly totals mostly under 0.25 in. except southeast most amounts under 0.75 in. to over 1.00 in. only isolated places closer to coast.

Days suitable for fieldwork 6.1. Soil moisture 15% very short, 52% short, 32% adequate, 1% surplus. Lack of rain northern two-thirds of State caused delays in spring planting. Most northern areas no rain in 4 weeks. Disease problems wheat southern 1/2, conditions declining. Rains, cool temperatures also slowing planting in southern third. Land preparation very active. Some wheat silage harvested. Onion harvest getting underway. Corn 30% fair, 70% good; 85% planted, 84% 1994, 71% avg. Hay 8% poor, 37% fair, 54% good, 1% excellent. Peanuts 2% planted, 1% 1994, 1% avg. Sorghum 4% planted, 2% 1994, 3% avg. Tobacco 35% fair, 61% good, 4% excellent; 74% transplanted, 72% 1994, 62% avg. Wheat 98% jointing, 99% 1994, 96% avg.; 70% boot, 84% 1994, 70% avg.; 26% headed, 43% 1994, 28% avg. Other small

grains 2% very poor, 3% poor, 48% fair, 45% good, 2% excellent. Onions 23% fair, 74% good, 3% excellent; 1% harvested, 0% 1994, 1% avg. Watermelons 40% fair, 58% good, 2% excellent; 71% planted, 76% 1994, 70% avg. Other vegetables 32% fair, 67% good, 1% excellent. Apples 16% fair, 84% good; 56% blooming, 12% 1994, 41% avg. Peaches 8% fair, 92% good; 100% blooming, 98% 1994, 96% avg. Pasture feed 7% poor, 37% fair, 53% good, 3% excellent. Cattle 2% poor, 24% fair, 73% good, 1% excellent. Hogs 1% poor, 23% fair, 75% good, 1% excellent. Other activities: Applying herbicides to pastures, hay field, preparing cotton, peanut land, routine care livestock, poultry.

HAWAII: Frontal system moving through State early in week brought light to moderate showers. Soil moisture levels adequate most areas, short in some. Winds light to moderate, 10 to 25 mph. Temperatures mid 60s to mid 80s. Rainfall varied none to 1.90 in.

Irrigation water use restrictions remain in effect in major vegetable growing areas on Maui, Hawaii. A few grazing areas on Hawaii island remain dry. Supplemental feeding cattle heavy. Hauling stock water active some areas. Banana, papaya production light. Insect infestations generally light.

IDAHO: Temperatures 1° below to 7° above normal. Most areas a few degrees above normal with below normal precipitation. Rainfall 0.21 to 1.37 in. north, 0.31 to 1.33 in. southwest, none to 0.23 in. south-central, none to 0.44 in. southeast. Extremes 22°; 77°.

Days suitable for fieldwork 3.9. Topsoil 80% adequate, 20% surplus. Irrigation water 4% fair, 70% good, 25% excellent. Range, pasture feed 4% fair, 80% good, 16% excellent. Hay, roughage supply 1% very short, 13% short, 85% adequate, 1% surplus. Spring wheat planted 25%, 57% 1994, 40% avg. Spring wheat emerged 9%, 16% 1994, 13% avg. Barley planted 20%, 43% 1994, 35% avg. Barley emerged 6%, 9% 1994, 9% avg. Oats planted 9%, 22% 1994, 19% avg. Onions planted 67%, 99% 1994, 68% avg. Sugarbeets planted 26%, 64% 1994, 50% avg. Dry peas planted 11%, 6% 1994, 15% avg. Calving completed 87%. Lambing completed 89%. Activities: Caring for livestock, shipping seed potatoes, planting small grains, sugarbeets, onions.

ILLINOIS: Arctic outbreak froze State midweek producing low temperatures into teens to 20s 5th morning. Temperatures moderated by weekend with highs in low 80s far south on 7th, 8th. Springtime showers, thunderstorms developed 7th, over the weekend. Some storms produced locally heavy rain, possibly small hail. Colder air pushed back into north night of the 9th. Temperatures up to 7° below normal across north; also up to 7° above normal in the south. Weekly precipitation totals ranged from little or none in parts of the far south to over 2.00 in. at some central, northern locations.

Days suitable for fieldwork 4.5. Topsoil moisture 21% short, 76% adequate, 3% surplus. Fieldwork limited due to cold weather. Some tillage, fertilizer application, oats, alfalfa seeding, even some corn planting, mainly in central area of State. Most farmers spent week getting machinery ready for planting. Below freezing temperatures damaged fruit crops, extent unknown, variable. Oats 27% planted, 63% 1994, 39% avg. Alfalfa 1% very poor, 1% poor, 22% fair, 65% good, 11% excellent. Pasture feed 4% poor, 27% fair, 62% good, 7% excellent.

INDIANA: Arctic outbreak froze the State at midweek by sending low temperatures into the teens across north, central areas into low 20s far south 5th morning. Temperatures moderated by the weekend with highs around 80° at Evansville, Terre Haute on 8th. Springtime thunderstorms developed 7th night and over weekend. Some weekend storms produced small hail, locally heavy downpours. A narrow band from near Terre Haute to Bloomington to Madison picked up 1.00 to 4.00 in. of rain in the span of about 9 hours 8th. Rainfall 9th night 0.50 to 2.00 in. northern areas. Temperatures generally 2 to 7° below normal across north, central 0 to 6° above normal in the far south. Highs 50s north to 60s south except 70s near the Ohio River. Lows were in the upper 20s to low 30s north to mid 30s to mid 40s south. Most of the precipitation for the week fell 7th night and over the weekend. Rainfall 0.50 in. to over 3.00 in. Most amounts were 0.50 to 1.75 in. Four-inch bare soil temperatures 50s for maximums, the upper 30s to mid 40s for minimums.

Days suitable for fieldwork 5.3. Topsoil moisture 2% very short, 26% short, 68% adequate, 4% surplus. Subsoil moisture 2% very short, 35% short, 60% adequate, 3% surplus. Good week for field-

work. Plowing, disking, sowing oats, spreading fertilizer, applying anhydrous, potash were major activities. Wheat 20% jointed, 3% 1994, 8% avg. Land 58% tilled, 57% 1994, 60% avg. Pasture feed 2% very poor, 17% poor, 37% fair, 40% good, 4% excellent. Hay supplies 9% very short, 12% short, 75% adequate, 4% surplus.

IOWA: Wide variety of weather. Very high winds 3rd, record cold 4th, thunderstorms 7th through weekend with snow, sleet, freezing rain late weekend. Temperatures averaged near normal south to 4° below normal north. Extremes 9° north 4th; 77° west 5th. Precipitation 0.30 in. northeast to 2.11 in. southeast; state average 1.01 in. normal 0.69 in.

Days suitable for fieldwork 4.2. Topsoil short 11%, adequate 80%, surplus 9%. Subsoil short 16%, adequate 73%, surplus 11%. 1995 primary seedbed preparation completed includes fall tillage 39%, 65% 1994, 49% avg. 1995 row crop acreage fertilizer applied includes fall applications 45%, 66% 1994, 47% avg. Oats planted 20%, 80% 1994, 45% avg. Percent of crops tilled due to winter kill 2% winter wheat, 3% red clover hay, 4% alfalfa hay. Winter wheat 1% poor, 18% fair, 64% good, 17% excellent. Pasture feed 13% poor, 34% fair, 47% good, 6% excellent.

KANSAS: Weather data not available.

Days suitable for fieldwork 6.0. Topsoil moisture 3% very short, 30% short, 67% adequate. Subsurface moisture 1% very short, 26% short, 73% adequate. Wheat progress is well ahead of normal as a result of recent warm weather. Wheat jointing is 65%, 28% 1994, 28% avg. Freeze damage has been light, mostly confined to western districts thus far because of mild winter weather; early-spring growth damage may yet be sustained in a late freeze. Some light to moderate wind damage is reported in the western, south-central districts. Instances of wheat streak mosaic are reported in western districts. Rust is reported in the eastern half of the State. Speckled leaf blotch is reported in the central districts. Moderate, some severe infestations of greenbugs are reported mostly in the southwestern, south central districts. Infestations are heaviest in the southwest. Oats seeded 98%, 96% 1994, 82% avg. Spring barley seeded 98%, 98% 1994, 82% avg. Corn planted is 3%, 5% 1994, 6% avg. Stockmen experienced favorable weather the past week for late calving, lambing. Hay, forage supplies are mostly adequate with only a few scattered shortages. Pastures are currently providing 36% of the roughage requirements for livestock. The annual spring burning of pastures has begun. Farmers major field activities are seedbed preparation along with fertilizer, chemical application on wheat.

KENTUCKY: Mean temperature 57 to 61° across the State. The maximum extreme temperatures were mainly in the lower 80s, while the extreme minimum temperatures were predominately in the middle to upper 20s. Little rainfall was noted across the State except for far northeastern areas. Covington recorded 1.49 in. last week. However the average Statewide was well below normal predominately averaging less than 0.05 in. The average soil temperatures 4.00 in. below soil were mainly in the mid to upper 40s with averages in the 50s being noted across portions of east central areas.

LOUISIANA: Temperatures 1° below to 3° above normal. Extremes 51°; 76°. Rainfall 0.07 in. northwest to 1.44 in. southwest.

Days suitable for fieldwork 3.64. Soil moisture 5% short, 50% adequate, 45% surplus. Corn 82% planted, 89% 1994, 77% avg.; 62% emerged, 63% 1994, 55% avg. Wet weather is causing some farmers to change planting intentions. Cotton farmers preparing ground for planting. Rice 22% emerged, 20% 1994, 18% avg. Sorghum 7% planted, 5% 1994, 12% avg.; 1% emerged, 2% 1994, 5% avg. Spring plowing 58% plowed, 73% 1994, 57% avg. Sugarcane 2% very poor, 6% poor, 34% fair, 53% good, 5% excellent. Rain starting to hurt cane in some areas. Wheat 6% poor, 36% fair, 53% good, 5% excellent; 49% headed, 47% 1994, 57% avg.; 1% turning color, 0% 1994, 1% avg. Pasture feed 6% poor, 32% fair, 51% good, 11% excellent. Vegetables 1% very poor, 9% poor, 40% fair, 46% good, 4% excellent. Harvest continues strong. Livestock 4% poor, 32% fair, 55% good, 9% excellent. Producers busy vaccinating, worming.

MARYLAND & DELAWARE: **MARYLAND:** Precipitation 0.02 in. normal 0.85 in. Rain was almost nonexistent with most locations getting trace amounts or none. Temperature 46.3°, normal 49.8°. Extremes 23°; 73°. Low temperatures low 20s to about 40°. Highs mainly in the 60s to 70s. Weather conditions warm to spring like to below freezing temperatures. One dominating weather factor is very dry conditions prompting fire hazards, water shortages in some areas.

Days suitable for fieldwork 6.7. Topsoil moisture 29% very short, 58% short, 13% adequate. Subsoil moisture 78% short, 22% adequate. Winter wheat 15% fair, 67% good, 18% excellent; rye 37% fair, 45% good, 18% excellent; barley 12% fair, 70% good, 18% excellent. Potatoes 67% planted, 0% 1994, 21% avg. Green peas 74% planted, 33% 1994, 36% avg. Sweet corn 17% planted, 0% 1994, 1% avg. Snap beans 5% planted, 0% 1994, 0% avg. Peaches 42% bloomed, 8% 1994, 39% avg. Apples 14% bloomed, 2% 1994, 10% avg. Strawberries 39% bloomed, 0% 1994, 9% avg. Pasture feed 1% very poor, 13% poor, 51% fair, 34% good, 1% excellent. Activities: Farmers busy preparing fields for planting, planting early crops. Weather conditions are of concern as the dry weather is delaying planting of some crops such as corn.

DELAWARE: Rainfall 0.02 in.; normal 0.86 in. No more than trace amounts of rain reported anywhere in the State. Temperature 47.8°, normal 47.3°. Extremes 28°; 62°. High temperatures were mainly in the upper 50s to low 60s. Lows were in the upper 20s to low 30s.

Days suitable for fieldwork 6.9. Topsoil moisture 60% short, 40% adequate. Subsoil moisture 60% short, 40% adequate. Winter wheat 3% fair, 68% good, 29% excellent. Barley 1% fair, 86% good, 13% excellent. All small grains 0% headed, 0% 1994, 0% avg. Potatoes 46% planted, 3% 1994, 11% avg. Green peas 41% planted, 6% 1994, 9% avg. Peaches 8% bloomed, 13% 1994, 19% avg. Activities: Preparation of field for spring planting, routine care of livestock.

MICHIGAN: Extremes -1°; 63°. Precipitation none to 1.71 in. Temperatures 7 to 8° below normal. Farmers were reminded that winter is not over yet. Northern part of the State received 1 to 2 in. of snow by midweek. The week ended with freezing rain, snow on 9th.

Winter wheat 3% poor, 19% fair, 45% good, 33% excellent. Most fields were still to wet to work but some limited oat seeding on high ground in the southern part of the State have been completed. Some producers have planted sugarbeets. Livestock were in good condition, feed supplies remained adequate. Major activities included hauling manure, pruning fruit trees, spreading fertilizer, preparing machinery for spring planting, making maple syrup, cleaning up downed trees.

MINNESOTA: Northern third near 10° below normal. Remainder of the State averaged 3 to 8° below normal. Extremes -3°; 73°.

The downturn in temperatures last week dashed hopes for an early planting season. Soils will need extended periods of warm, sunny weather to raise temperatures for field activities to begin.

MISSISSIPPI: Temperatures 1° above normal. Extremes 33°; 83°. Precipitation 0.08 in., 1.13 in. below normal. Rainfall throughout the State 0.19 in. south-central to virtually none in other districts.

Days suitable for fieldwork 6.3. Soil moisture for topsoil 12% very short, 33% short, 52% adequate, 3% surplus. Subsoil 2% very short, 20% short, 72% adequate, 6% surplus. Corn 68% planted, 43% 1994, 39% avg.; 32% emerged, 24% 1994, 24% avg.; 4% poor, 27% fair, 61% good, 8% excellent. Wheat 93% jointing, 85% 1994, 83% avg.; 16% heading, 14% 1994, 21% avg.; 4% poor, 33% fair, 46% good, 17% excellent. Watermelons 23% planted, 25% 1994, 35% avg.; 1% poor, 7% fair, 92% good. Livestock 3% poor, 23% fair, 60% good, 14% excellent. Range, pasture feed 5% poor, 25% fair, 53% good, 17% excellent. Rice planting is in full operation. Corn planting is nearing completion in some counties. Farmers are preparing fields for cotton, anticipating rain to settle seed bed before planting.

MISSOURI: Temperatures were above normal across the State, averaging 51° at Kansas City to 58° at St. Louis. Precipitation 0.25 in., varying from virtually none in the southern half of State to 0.79 in. north central, northeastern districts.

Days suitable for fieldwork 6.30. Topsoil 52% short, 45% adequate, 3% surplus. Corn 17% planted, 6% 1994, 6% avg. South-east district reported 85% corn planted, compared to 26% 1994. Oats 82% sown, 55% 1994, 54% avg. Oats sown by districts ranges 69% northeast to 100% southeast. Ground tilled for spring crops 67%, 54% 1994, 59% avg. Warm temperatures, generally good growing conditions have promoted growth of wheat in all areas.

MONTANA: Started out dry, mild; by weekend a Pacific low-pressure system turned weather colder, brought needed precipitation.

Days suitable for fieldwork 2.4. Topsoil 5% very short, 21% short, 66% adequate, 8% surplus. Subsoil 10% very short, 32% short, 54% adequate, 4% surplus. Winter wheat 20% still dormant, 54% greening, 26% green, growing. Field tillage work in progress 73% none, 23%

light, 4% well underway. Spring wheat planted 3%, 1% 1994, 5% avg. Barley 2% planted, 5% 1994, 7% avg. Oats 1% planted, 3% 1994, 4% avg. Calving 76% complete. Lambing 60% complete. Grazing condition 69% open, 24% difficult, 7% closed.

NEBRASKA: Temperatures near normal except for the Panhandle, where they were up to 6° above normal. Precipitation a trace central to nearly 1.00 in. northwest.

Days suitable for fieldwork 5.1. Topsoil 1% very short, 20% short, 76% adequate, 3% surplus. Subsoil 20% short, 76% adequate, 4% surplus. Wheat 22% fair, 68% good, 10% excellent. Oats 26% planted, 64% 1994, 49% avg. Pasture, range feed 8% poor, 31% fair, 57% good, 4% excellent. Spring calving 77% complete with minimal losses.

NEVADA: Week began with a cold front exiting to the Southeast. High pressure kept temperatures mild, weather spring-like until late 5th when clouds, showers, high winds arrived. Snow fell in the Sierra Nevada, northern valleys on 8th. Northwest had the only measurable precipitation; Tahoe City the greatest at 0.84 in. Divisional temperatures 4 to 6° above normal. Extremes 18° Ely; 96° Laughlin.

Haying continued in the extreme south, planting was increasing in the north. Ranges continued to green up, grow. Calving, lambing continued in full swing. Main farm, ranch activities: calving, lambing, haying, spring planting.

NEW ENGLAND: Precipitation 0.03 to 0.71 in. Temperatures 24 to 34° north; 29 to 40° south. Maximum temperatures 35 to 55° north; 49 to 65° south. Minimum temperatures -7 to 17° north; 5 to 22° south.

Major farm activities: Caring for livestock, moving crops out of storage, placing chick orders, gearing up greenhouse production, field preparation in many southern locations. Sugaring has ended for most southern, low-elevation northern maple producers. Cool weather for most of the week, followed by a recent warming trend, had many remaining maple producers collecting sap; flow was lighter than expected.

NEW JERSEY: Temperatures much below normal. Extremes 13°; 78°. Rainfall 0.75 in. north, 0.49 in. central, 0.30 in. south. Heaviest 24-hour total was 0.65 in. on the 9th to 10th. Estimated soil moisture, in percent of field capacity, averaged 86% north, 79% central, 55% south.

Days suitable for fieldwork 6. Topsoil moisture reported as short to adequate. Farmers are plowing, discing. Spring oats germinating in southern areas. Farmers in the central, southern districts are planting peas, lettuce, spinach, turnips, other vegetables, sweet corn under plastic. Fertilizing, liming of fields also reported.

NEW MEXICO: Across much of State, mean temperature were above seasonal averages, with anomalies as high as 10° above normal at Santa Fe, 8° at extreme eastern locations of Clayton, Tucumcari, Clovis. Stations in the southwestern portion of the State reported temperatures near or just below seasonal averages. Most of the precipitation was reported early in the week with the highest amounts recorded in the central mountains. Precipitation was also reported on 9th was associated with a cold front. Extreme winds swept across State on 9th causing dust storms over a majority of the State.

Days suitable for fieldwork 6.5. Soil moisture 27% very short, 52% short, 20% adequate, 1% surplus. Alfalfa 2% very poor, 4% poor, 43% fair, 46% good, 5% excellent. Wheat 62% very poor, 5% poor, 28% fair, 2% good, 3% excellent. Chile 8% poor, 52% fair, 30% good, 10% excellent. Onions 25% fair, 54% good, 21% excellent. Lettuce 25% fair, 30% good, 45% excellent. Apples 7% very poor, 77% poor, 9% fair, 7% good. Pasture feed 18% very poor, 32% poor, 41% fair, 9% good. Cattle 1% very poor, 16% poor, 44% fair, 38% good, 1% excellent. Sheep 2% very poor, 16% poor, 43% fair, 38% good, 1% excellent.

NEW YORK: Weather data not available.

Major activities: Tending livestock, maintenance work, moving crops from storage, spreading manure, spring fieldwork. Maple producers in northern areas continued collecting sap, producing syrup. Activities in southern areas had ended. Plowing active on drier fields.

NORTH DAKOTA: Several cold fronts passed through during the week causing large variations in temperatures, precipitation. Precipitation 0.01 in. central, east central, southeast to 0.09 in. southwest. Temperatures 1 to 10° below normal. Extremes -8° north central; 64° south central.

Days suitable for fieldwork N/A, fieldwork expected to start 4/23. Soil moisture above last year, average. Topsoil 58% adequate, 42% surplus.

Subsoil 2% short, 61% adequate, 37% surplus. Excess moisture delayed planting. Hard red spring wheat 0% planted, 0% 1994, 3% avg.; durum wheat 0% planted, 0% 1994, 0% avg.; oats 0% planted, 0% 1994, 2% avg.; barley 0% planted, 0% 1994, 2% avg. Calving 62% complete, lambing 70%, shearing 75%. Cows 11% fair, 84% good, 5% excellent. Calves 1% poor, 19% fair, 75% good, 5% excellent. Sheep 8% fair, 87% good, 5% excellent. Lambs 1% poor, 11% fair, 84% good, 4% excellent. Supplemental feeds provided to nearly all livestock, supplies mostly adequate. Pasture feeds 98% still dormant, 54% open, 3% very poor, 6% poor, 18% fair, 67% good, 6% excellent.

OHIO: High temperatures around 50° in the northwest to the mid-60s in parts of the south. That range is large for the season with temperatures from 3 to 5° below normal in the north to 3 to 5° above normal in the south. Deviation in average lows showed a similar pattern. Lows ranged from the upper 20s north to the upper 30s in the South. On 5th morning low temperatures fell into the teens over much of the State with readings into the low teens north, 10° at Marion. Soil temperatures at 4 in. under bare ground averaged in the low 40s to near 50° for the week. Soil temperatures were higher at the end of the week, still held under 50° in most north, central sections. Most of the rainfall was at the end of the period. Weekly totals exceeded 1.00 in. over northern sections which exceeded normal. Lightest rains were in the southeast where totals were generally under 0.50 in.

Days suitable for fieldwork 5.4. Soil moisture 3% very short, 34% short, 60% adequate, 3% surplus. Middle section of the State is particularly dry. It is too early to tell if record low temperatures damaged fruit buds. Fall sown crops are in good condition. Pasture feed is still dormant in areas. Sweet corn is being planted throughout the State. Maple syrup production is wrapping up. Tobacco sown 74%. Oats planted 30%, 10% 1994, 11% avg. Pasture feed 1% very poor, 7% poor, 34% fair, 51% good, 7% excellent. Hay 5% poor, 35% fair, 51% good, 9% excellent.

OKLAHOMA: Temperatures 3.4° above normal north central to 7.0° above normal east central district. Precipitation none Panhandle district to 1.18 in. southeast district.

Topsoil 7% very short, 20% short, 71% adequate, 2% surplus. Subsoil 7% very short, 18% short, 74% adequate, 1% surplus. Pasture, range feed 6% poor, 27% fair, 62% good, 5% excellent. Livestock 2% poor, 15% fair, 76% good, 7% excellent. Wheat 90% jointing, 71% 1994, 70% avg.; 2% heading, 2% 1994, 3% avg.; oats 38% jointing, 28% 1994, 40% avg.; 3% heading, 1% 1994, 3% avg.; barley 53% jointing, 24% 1994, 38% avg.; 17% heading, 1% 1994, 0% avg.; corn 82% seedbed prepared, 81% 1994, 78% avg.; 14% planted, 22% 1994, 17% avg.; 4% up to stand, 4% 1994, 3% avg.; sorghum 56% seedbed prepared, 28% 1994, 40% avg.; 1% planted, 1% 1994, 1% avg.; soybeans 37% seedbed prepared, 35% 1994, 38% avg.; 2% planted, 1% 1994, 1% avg.; peanuts 36% seedbed prepared, 47% 1994, 41% avg.; cotton 56% seedbed prepared, 68% 1994, 51% avg. Prices for feeder steers, heifers were \$1.00 to \$3.00/cwt lower.

OREGON: Temperatures above normal, statewide. Precipitation widespread. Coast 3.00 in., 1.00 to 2.50 in. western valleys, eastern section 0.25 to 1.00 in.

Days suitable for fieldwork 4.8. Topsoil moisture 1% short, 91% adequate, 8% surplus. Subsoil moisture 2% short, 91% adequate, 7% surplus. Winter wheat 5% very poor, 17% poor, 47% fair, 30% good, 1% excellent. All barley planted 55%. Some wheat reseeded continued Columbia Basin: poor stands, weed infestations, leaving large percent spring wheat. Cultivation Willamette hops yards. Malheur Co. sugarbeet planting 75% complete, onion planting 70% complete, potato planting underway, lack of seed potatoes. Early potato, onion seeding continued, Columbia Basin. Willamette Valley field preparation underway salad crops; pea planting underway; sweet cherries, prunes full bloom; apples, pears, plums bloom underway; blackberries bloom; raspberries showed some winter damage; hazelnuts catkins dropping; new plantings of strawberries, Marion blackberries, raspberries underway. Hood River Valley: apples, pears full bloom. Sweet cherries full bloom, The Dalles district. Cranberries early growth stages, fertilizer applications, southern coast. Willamette Valley nurseries: Good spring growth, little winter damage, Christmas tree work halted due bud breakage, shipping materials, greenhouses preparing spring transplants. Livestock good to excellent. Range, pasture feed 1% poor, 12% fair, 79% good, 8% excellent. Calving continued. Branding, spring turnout underway. Supplemental feeding continued east.

PENNSYLVANIA: Some precipitation, including snow, most every day in northern areas. Light rainfall south, southeast. Temperature 43°, same as normal. Extremes 11°, 77°. Precipitation 0.76 in., 0.05 in. below normal.

Days suitable for fieldwork 4. Soil moisture 8% very short, 45% short, 45% adequate, 2% surplus. Spring plowing 30% complete, 3% 1994, 15% avg. Oats planted 24%, 1% 1994, 11% avg. Tobacco beds planted 55%, 9% 1994, 30% avg. Potatoes planted 3%, 0% 1994, 4% avg. Peaches pink stage 10%, 0% 1994, 11% avg. Cherries pink stage 4%, 0% 1994, 6% avg. Apples pink stage 2%, 0% 1994, 3% avg. Activities: planting oats, alfalfa, grasses; spring plowing; spreading fertilizer, lime; getting planting equipment; hauling manure; fixing fence; caring for livestock.

PUERTO RICO: No weather data available.

SOUTH CAROLINA: Precipitation 0.20 in. Temperatures 1 to 3° above normal.

Days suitable for fieldwork 6.2. Soil moisture 13% very short, 63% short, 24% adequate. Corn 45% fair, 55% good; 64% planted, 74% 1994, 62% avg. Tobacco fair to good: 11% transplanted, 19% 1994, 20% avg. Wheat 1% poor, 41% fair, 58% good, 1% headed, 14% 1994, 13% avg. Peaches good. Cantaloups fair to good; 39% planted, 56% 1994, 38% avg. Watermelons fair to good; 55% planted, 60% 1994, 51% avg. Cucumbers good; 50% planted, 39% 1994, 46% avg. Snap beans good; 42% planted, 43% 1994, 37% avg. Tomatoes good; 86% planted, 63% 1994, 67% avg. Pastures 11% poor, 41% fair, 48% good.

SOUTH DAKOTA: Temperatures normal to 8° below normal except for the Black Hills, where temperatures were normal to 5° above normal. Extremes 7°, 72°. Precipitation was in the form of rain, snow with 1.00 to 1.50 in. northwest; 0.70 to 1.00 in. south central, east central; generally 0.20 to 0.40 in. elsewhere. Heaviest precipitation 1.55 in. Camp Crook.

Days suitable for fieldwork 0.8. Topsoil 4% short, 53% adequate, 43% surplus. Subsoil 7% short, 59% adequate, 34% surplus. Winter Rye 2% poor, 19% fair, 48% good, 31% excellent. Spring wheat 1% planted, 22% avg. Barley 1% planted, 11% avg. Oats 1% planted, 19% avg. The extremely wet conditions are keeping producers in most areas of the State from doing any fieldwork. Livestock 1% poor, 15% fair, 75% good, 9% excellent. Wet, wintry conditions continued to produce scour problems in calves. Muddy lots were a problem in many areas of the State. Pasture feed 1% very poor, 10% poor, 32% fair, 50% good, 7% excellent. Cattle moved to pasture 4%. Calving 48% complete, lambing 58%. Feed supplies 10% short, 86% adequate, 4% surplus. Stockwater supplies 1% very short, 3% short, 74% adequate, 22% surplus.

TENNESSEE: Temperatures normal to 10° above normal. Extremes 30°, 88°. Showers west early week with totals under 0.26 in. Departures averaged about 1.00 in. below normal.

Days suitable for fieldwork 6.7. Topsoil 14% very short, 62% short, 24% adequate. Subsoil 2% very short, 48% short, 48% adequate, 2% surplus. Corn planting west, southern middle. Delays in no-till planting until adequate soil moisture. Wheat good despite signs of disease. Cotton planting limited. Corn 37% planted, 3% 1994, 5% avg. Tobacco 91% seeded, 86% 1994, 89% avg.; 55% plants up, 45% 1994, 50% avg.; wheat 4% poor, 20% fair 67% good, 9% excellent; 71% jointed, 24% 1994, 42% avg. Apples 76% bud or beyond, 71% 1994, 72% avg.; 46% bloom or beyond, 16% 1994, 31% avg. Peaches 94% bud or beyond, 91% 1994, 92% avg.; 86% bloom or beyond, 75% 1994, 79% avg. Pasture 9% poor, 34% fair, 50% good, 7% excellent.

TEXAS: First week April brought rather warm temperatures to State most districts recording between 2 and 5° above normal. Strong cold front began moving through State over weekend, cooler weather not enough to offset very warm temperatures during middle week. Precipitation quite significant across State. All districts reported near-to above-normal rainfall for week. Some rain quite heavy. Several districts south central, central, coast recording average precipitation totals 1.00 to 3.00 in. Some larger individual reporting stations included 2.36 in. Raymondville, 2.75 in. College Station, 2.77 in. Canyon Dam; impressive total of 6.46 in. at Palacios.

Crops: Small grains: good rainfall many parts State should aid progress of wheat, oats; along with added moisture, sunny, open conditions also needed. Fields continued to head Cross Timbers, throughout Blacklands, Central, into South. Insect, disease pressures continued to cause concern some areas. The dryland crop High Plains continued show poor progress

despite shower activity. Wheat 11% headed; 11% 1994; 8% avg. Corn planting preparations continued Plains where few fields have been planted. Progress should increase soon. Planting slowed wet conditions parts Cross Timbers, East. Emerged fields continued show good progress Blacklands, Central Texas. Along Upper Coast, producers need sunny, open conditions to aid progress. Planting activities winding down Coastal Bend where emerged fields showing good progress. Corn 4% poor; 62% fair; 13% good; 21% excellent; 47% planted; 55% 1994; 51% avg. Cotton: Planting delayed by rain many parts State last week. Scattered rain should help planting moisture Low Plains where final land preparations continued. Coastal Bend most planting completed. Progress slowed some Valley because cooler temperatures. Cotton 17% poor; 64% fair; 1% good; 18% excellent. Grain sorghum planting continued as conditions allowed Cross Timbers, Northern Blacklands. Most planting activity completed from Central to Valley. Sorghum 56% fair; 20% good; 24% excellent; 45% planted; 56% 1994; 45% avg. Rice planting activities delayed heavy rain during week. Emergence was slowed as fields drained off. Rice 14% emerged; 11% 1994; 11% avg. Other crops: Sugarbeets 18% planted; 20% 1994; 29% avg. Peanuts 1% planted; 0% 1994; 0% avg. Soybeans: 3% planted; 2% 1994; 1% avg.

Commercial Vegetables: Rio Grande Valley: harvest of onions in full swing; however rain caused some delays. Harvest of carrots, cabbage also continued as weather allowed. San Antonio-Winter Garden area: planting activity limited by wet conditions; however progress on planted fields good with additional moisture. East: wet conditions limited activity for week; however some watermelon transplants set out. Most sweetpotato beds prepared. Trans-Pecos area: light rainfall did not relieve dry conditions, producers continued irrigate onions, melons. High Plains: land preparations continued. Scattered showers should help planting moisture. Pecans: Trees leafing out many areas last week. Some producers preparing spray foliar zinc. Peaches: Some additional damage shown because recent frost scattered areas. Overall prospects remained good.

Range and Livestock: Livestock remained good condition across state. Additional green up of pastures occurred last week. Supplemental feeding activities reduced. The spring lamb crop good Hill Country. Some fertilizer applied ahead of rains parts of State.

UTAH: Temperature maximums averaged 8° above normal; minimums 3° above normal. New Harmony was the only station to receive measurable precipitation with 0.02 in.

Days suitable for fieldwork 6.2. Topsoil 6% short, 82% adequate, 12% surplus. Subsoil 10% short, 72% adequate, 18% surplus. Winter wheat 12% fair, 45% good, 43% excellent. Fall barley 9% fair, 53% good, 38% excellent. Spring wheat: planted 67%, 53% 1994, 56% avg.; emerged 37%, 21% 1994, 12% avg. Barley planted 60%, 54% 1994, 56% avg.; emerged 27%, 20% 1994, 12% avg. Oats planted 33%, 24% 1994, 31% avg.; emerged 23%, 10% 1994. Range, pasture condition 6% poor, 28% fair, 49% good, 17% excellent. Apricots full bloom or past 98%. Sweet cherries full bloom or past 43%. Peaches full bloom or past 75%. Apples full bloom or past 10%. Pears full bloom or past 35%. Cattle, calf condition 2% poor, 9% fair, 79% good, 10% excellent. Sheep, lamb 1% poor, 6% fair, 83% good, 10% excellent. Cows calved 65%, 66% 1994, 67% avg. Ewes lambing on farm 74%, 73% 1994, 74% avg. Ewes lambing on range 36%, 37% 1994, 38% avg. Sheep sheared on the farm 60%, 73% 1994, 63% avg. Sheep sheared on range 50%, 40% 1994, 43% avg. Major farm activities: Spring preparation, planting, calving, lambing.

VIRGINIA: Cool, dry weather occurred statewide for the period. Extremes 23°; 81°. Precipitation was well below normal.

Days suitable for fieldwork 6.5. Topsoil 34% very short, 66% short. Livestock 3% poor, 29% fair, 66% good, 2% excellent. Pasture feed 4% very poor, 34% poor, 50% fair, 12% good. Alfalfa hay 14% poor, 60% fair, 26% good. Apples 66% fair, 34% good. Peaches 11% very poor, 11% poor, 54% fair, 24% good. Barley 17% poor, 40% fair, 43% good. Wheat 16% poor, 35% fair, 42% good, 7% excellent. Tobacco greenhouse 10% fair, 60% good, 30% excellent; planted 1% poor, 30% fair, 69% good; plantbeds were 99% seeded. Tobacco greenhouses were 100% seeded. Corn 6% planted, 3% 1994, 2% avg. Potatoes were 88% planted. Lack of rainfall is main concern in all areas of the State. Some pastures, hay fields shutting down due to persistent dry conditions. Small grains at critical stage of growth and

in need of spring rains. Some fieldwork halted due to dry conditions. Farm activities include spraying for alfalfa weevils, scouting wheat for mildew, herbicide applications, preparing cotton, peanut land for planting, moving cattle to spring pastures, livestock vaccination.

WASHINGTON: Temperatures normal west, east. Precipitation 0.04 to 1.35 in. west; none to 0.29 in. east. Spring-like weather provided good conditions for fieldwork, soil preparation.

Days suitable for fieldwork 5.5. Soil moisture 8% short, 88% adequate, 4% surplus. Potatoes, vegetables and spring cereals were planted. Tulips were in full bloom. Downy brome infestation in the Palouse had some farmers taking out winter wheat, planting spring wheat. Frost protection was necessary in some orchards. Fruit trees were in bloom. Pastures were drying out, leading to more livestock being grazed. Irrigation was underway in some areas. Irrigation water supply 13% short, 82% adequate, 5% surplus. Winter wheat, dryland 8% very poor, 12% poor, 44% fair, 36% good; irrigated, 2% fair, 72% good, 26% excellent. Hay, other roughage supplies 2% very short, 10% short, 87% adequate 1% surplus. Pasture feed 5% very poor, 14% poor, 55% fair, 26% good. Barley, 30% planted, 53% 1994, 54% avg.; 14% emerged, 19% 1994, 22% avg. Dry peas 33% planted, 25% 1994, 29% avg. Potatoes, 21% planted, 33% 1994, 21% avg.; 0% emerged, 6% 1994, 4% avg. Spring Wheat, 40% planted, 63% 1994, 63% avg.; 17% emerged, 26% 1994, 35% avg.

WEST VIRGINIA: Average temperature 51°. Extremes 15°; 86°. Precipitation 0.36 in. Temperatures 2 to 4° above normal across the State. Precipitation 0.02 in. above normal in the north-central region to 0.75 of an inch below normal in the southern region.

Days suitable for fieldwork 6.1. Soil moisture 19% very short, 61% short, 20% adequate. Barley 1% poor, 34% fair, 65% good. Wheat 6% poor, 45% fair, 47% good, 2% excellent. Hay 14% very poor, 35% poor, 26% fair, 25% good. Intended Acreage Prepared for Spring Planting 48%. Corn Planted 3%, Oats Planted 29%, Tobacco beds seeded 65%, Tobacco emerged 3%, Soybeans Planted 5%, Pastures 11% very poor, 17% poor, 43% fair, 29% good. Cattle 3% poor, 11% fair, 84% good, 2% excellent. Sheep 2% poor, 11% fair, 86% good, 1% excellent. Hay feed supplies 1% very short, 8% short, 79% adequate, 12% surplus. Feed grain supplies 4% short, 95% adequate, 1% surplus. Activities: Plowing, discing, fertilizing pasture, hay fields, fence repairs, calving, lambing, general maintenance.

WISCONSIN: Temperature 33°, 6° below normal. Extremes -4°; 70°. Precipitation 0.10 to 1.50 in.

Days suitable for fieldwork 2. Soil moisture: 10% short, 77% adequate, 13% surplus. Spring tillage 3%, 8% 1994, 6% avg. Oats planted 1%, 18% 1994, 6% avg. Fieldwork has been limited with recent snowfall, rainfall. Farmers were only able to do work where the ground is still hard enough to hold up the equipment. Farmers are waiting for nice weather to come and allow them to start planting. In the meantime, they are spreading fertilizer on the winter wheat, manure on fields that will be planted when the ground thaws. Most reporters indicated that the winter wheat, alfalfa crops look good. In the northern region, it is too early to evaluate the winter freeze damage. Maple syrup production is going slow with reports of below normal production. Quality of syrup is below normal due to the trees budding out during the warm weather of March.

WYOMING: Temperatures 1 to 10° above normal across the State. Extremes: low 9° Moran; high 72° Carpenter, Sheridan. Rawlins was the warm spot averaging 10° above normal. Northwest part of the State received slightly above normal precipitation, while the rest of the State received totals 0.10 to 0.50 in. below normal. Moran had the greatest amount with 0.50 in.

Days suitable for fieldwork 4.5 days. Topsoil 12% very short, 31% short, 57% adequate or better. Spring wheat 22% planted, 10% 1994, 18% avg. Oats 18% planted, 20% 1994, 15% avg.; 1% emerged, 2% 1994, 1% avg. Barley 58% planted, 52% 1994, 46% avg. Sugarbeets 15% planted, 12% 1994, 16% avg. Livestock were in mostly good condition. Spring calving complete 70%, 73% 1994, 68% avg. Calf death losses 46% light, 54% normal. Farm flock: ewes lambing 78%, 82% 1994, 75% avg.; shorn 82%, 84% 1994, 73% avg. Range flock: ewes lambing 9%, 15% 1994, 24% avg.; shorn 43%, 44% 1994, 43% avg. Lamb death losses 22% light, 78% normal. Ranges, pastures 58% still dormant, 42% growing. Stockwater supplies 21% short, 79% adequate.

International Weather and Crop Summary

HIGHLIGHTS

April 2 - 8, 1995

FSU-WESTERN: Widespread precipitation benefited vegetative winter grains in Ukraine and southern Russia, but slowed spring grain planting.

EUROPE: Drier and milder weather favored crop planting.

NORTHWESTERN AFRICA: The third consecutive week of dryness over Algeria and Tunisia negatively affected winter grains in the reproductive to filling stages of development.

EASTERN ASIA: Mostly dry weather favored early summer crop planting in the north, while showers benefited rice across the south.

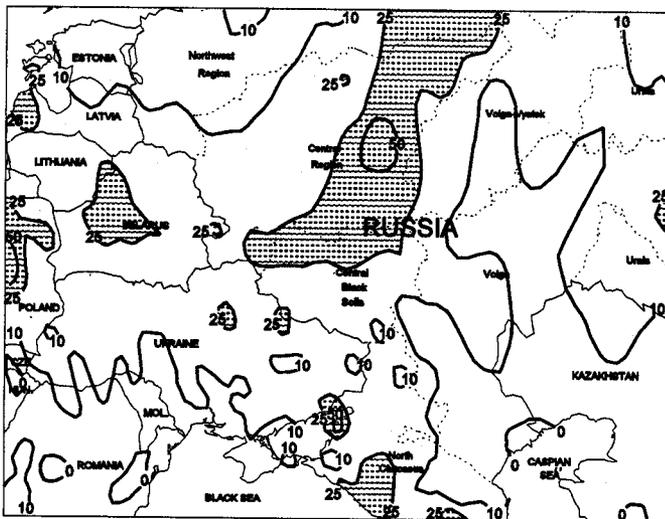
SOUTHEAST ASIA: Heavy showers persisted over Java as rain increased over Indochina.

SOUTH AFRICA: Dry, seasonably mild weather favored maturing corn.

AUSTRALIA: Rain brought some relief to summer crops in far eastern Queensland, but dryness farther inland stressed sorghum.

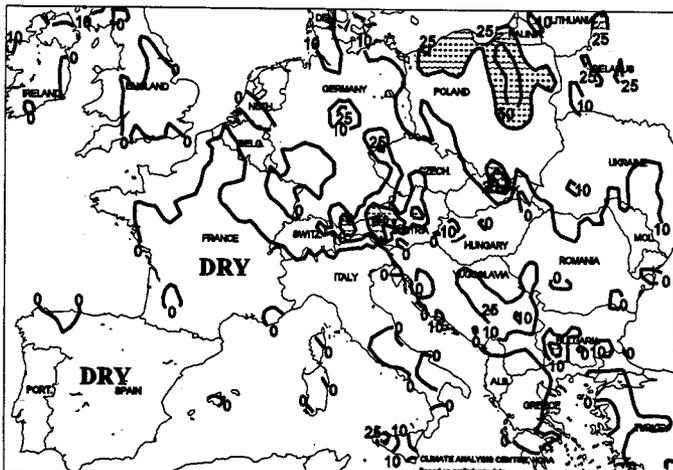
SOUTH AMERICA: Late-week heavy showers delayed summer crop harvesting in central Argentina, while drier weather benefited summer crop harvesting across southern Brazil.

WESTERN FSU Total Precipitation (mm)
APR 2 - 8, 1995



FSU-WESTERN: Unsettled weather covered most of the region during the week, slowing early spring fieldwork. Widespread rain (10-25 mm) over Ukraine and southern Russia (North Caucasus and lower Volga Valley) was timely for winter grains in the early vegetative stage and increased topsoil moisture for spring grain emergence. However, the rain slowed spring grain planting, typically underway in these areas. Farther north, wet weather (15-53 mm) covered parts of northern Russia (Central Region and Central Black Soils), Belarus, and Lithuania, where winter grains remained dormant. Weekly average temperatures were near to slightly above normal over the region. Although unusually warm weather in early March prompted early greening of winter grains in southern areas, a return of more seasonable weather since mid-March has slowed the northward progression of greening to more typical dates.

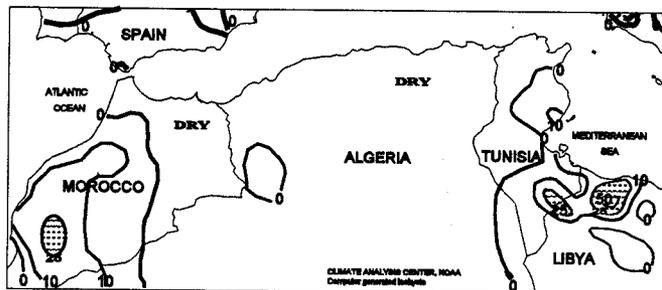
EUROPE Total Precipitation (mm)
APR 2 - 8, 1995



EUROPE: Rainfall diminished across the region, with lingering 10-25 mm amounts confined mostly to Slovakia and Poland, and 25-54 mm in northeastern Poland. Dry, mild weather promoted spring grain planting in the west, with maximum temperatures averaging 13-20 degrees Celsius (C) in southern England, northern France, the Benelux countries, and western Germany. Moisture is generally favorable for winter wheat development. High temperatures averaged 20-26 degrees C in southern France, Spain, and Italy, likely prompting early summer crop planting along the Mediterranean region. However, the severe drought in Spain persists, and the drying trend in Italy's Po Valley continues to reduce topsoil moisture for spring crop development. Temperatures averaged 4-6 degrees C above normal across extreme northern Italy, southern France, and the Iberian Peninsula. Drier, mild weather also prevailed in southeastern Europe, favoring spring crop planting from Hungary to Greece.

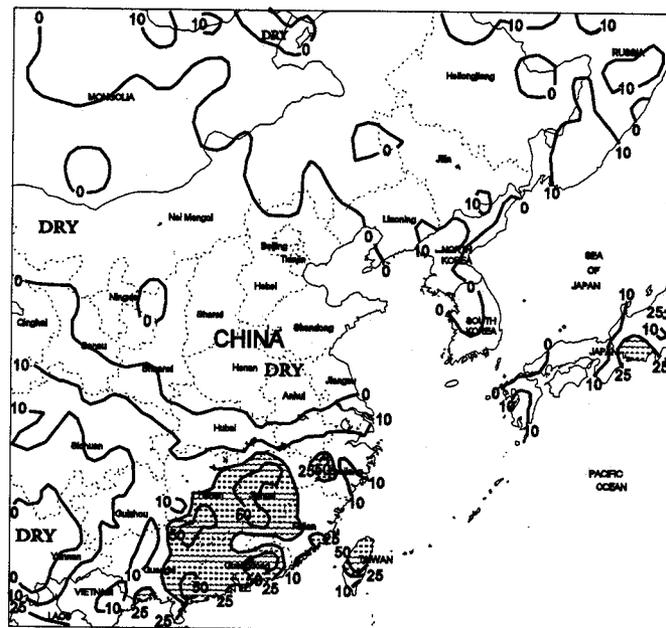
NORTHWESTERN AFRICA: The third consecutive week of dryness covered winter grains in Algeria and Tunisia, limiting yield prospects for winter grains in the reproductive to filling stages of development. In Morocco, light showers (2-11 mm, with a local amount of 28 mm) brought little relief to drought-stressed crops. In addition, weekly average temperatures were 2-4 degrees C above normal over Morocco, increasing crop-water demands.

NORTHWEST AFRICA Total Precipitation (mm)
APR 2 - 8, 1995



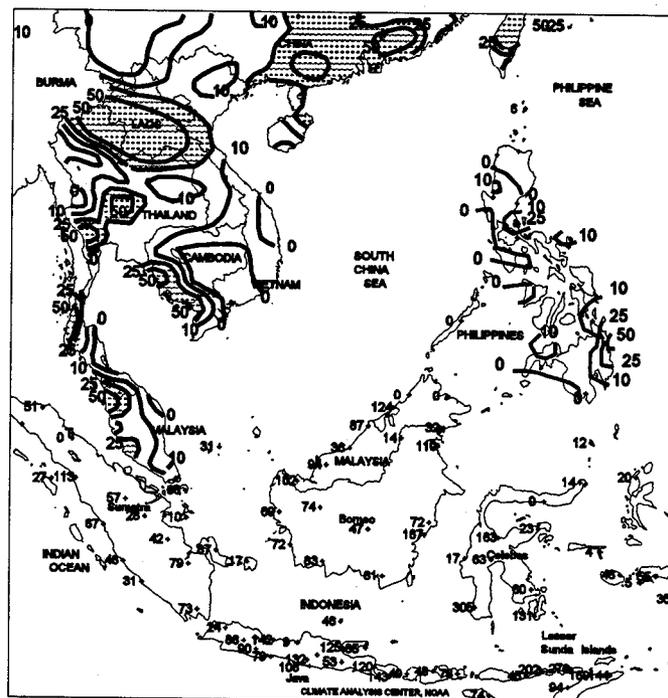
EASTERN ASIA: Dry weather prevailed across the North China Plain, favoring early corn and soybean planting. Scattered freezing temperatures (0 to -3 degrees C) burned back vegetative winter wheat across the region. Moderate showers (20-60 mm) were confined to south-central China (Jiangxi, Hunan, and Guangdong), keeping rice irrigation supplies adequate. Light rain (5-15 mm) fell elsewhere across southern China. Temperatures averaged 1-2 degrees C above normal across the North China Plain and 1-3 degrees C below normal across southern China. Mostly dry weather prevailed across North and South Korea. Light to moderate rain (10-30 mm) fell across central and northern Japan. Rice planting usually begins in May across the Koreas and Japan.

EASTERN ASIA Total Precipitation (mm)
APR 2 - 8, 1995



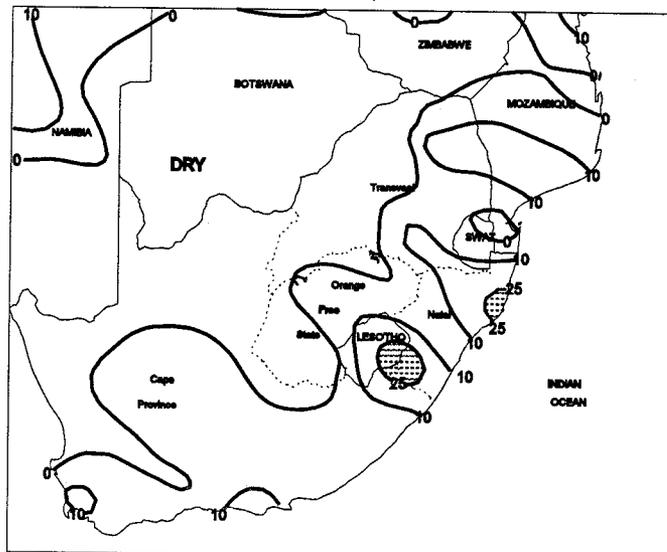
SOUTHEAST ASIA: Heavy showers (50-100 mm or more) persisted over Java, exacerbating unfavorably wet conditions for rice maturation and harvesting. Variable showers continued over Malaysia, but many oil palm areas of western Malaysia received less than 10 mm. Farther north, scattered showers (10-25 mm or more, with many locations reporting more than 50 mm) over Thailand increased moisture for rice irrigation and upcoming corn planting. The beneficial rain also reached into northern Vietnam, benefiting winter rice. March and April are transitional weather months in Southeast Asia, with rainfall typically decreasing over Java but increasing over Indochina. Mostly dry weather dominated the Philippines, where the rainy season begins soon.

SOUTHEAST ASIA Total Precipitation (mm)
APR 2 - 8, 1995

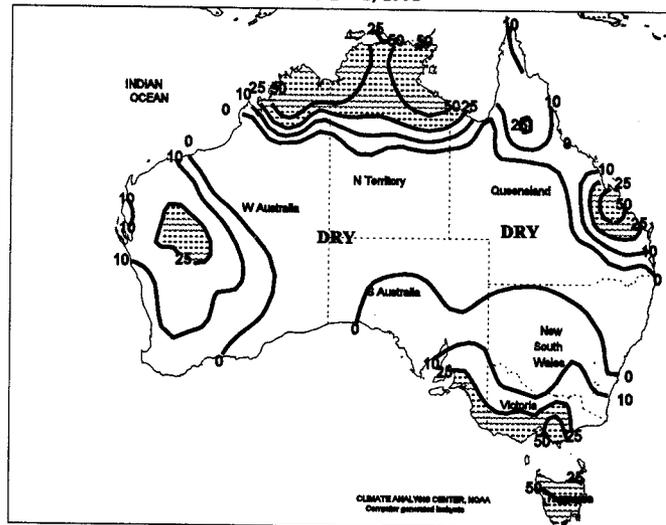


SOUTH AFRICA: Mostly dry weather benefited maturing corn across the region, although a few light showers (2-11 mm) lingered in the eastern corn belt. Temperatures were seasonable, with highs reaching the mid-20's C throughout the corn belt. Low's dipped below 10 degrees C over most of the southern and eastern corn belt. In North West Province, where late-planted corn is in the filling stage, favorable temperatures (highs in the mid- to upper 20's C, with lows generally above 10 degrees C) supported crop growth. However, the average date of the first freeze in North West is around mid-May, and an early freeze may have an adverse impact. Winter wheat planting, usually in full swing during May, will likely be underway soon due to the recent soaking rain in primary areas.

SOUTH AFRICA Total Precipitation (mm)
APR 2 - 8, 1995

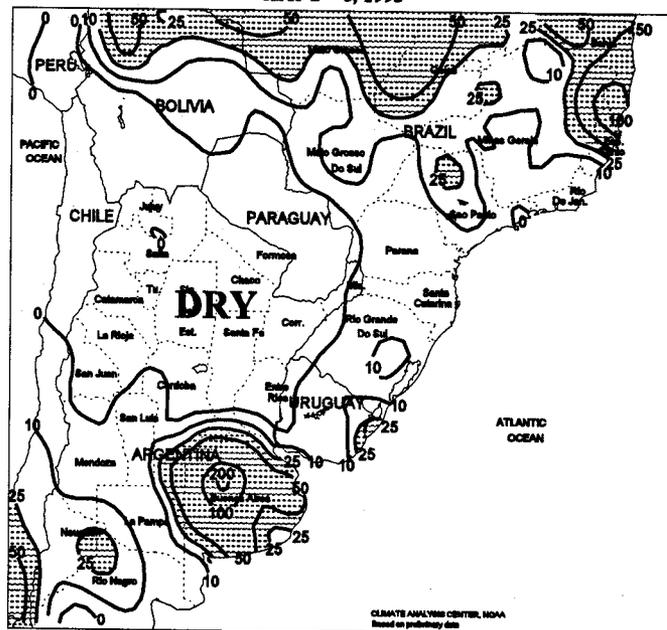


AUSTRALIA Total Precipitation (mm)
APR 2 - 8, 1995



AUSTRALIA: Light to moderate rain (15-50 mm) fell across far eastern Queensland, benefiting sorghum. However, dryness prevailed across the majority of the sorghum area in Queensland, stressing the crop. Only light rain (1-15 mm) fell in the northeastern sugarcane areas. Moderate rain (10-35 mm) fell across Victoria, boosting soil moisture for upcoming wheat planting. The wheat areas of New South Wales, and South and Western Australia received only light rain (less than 10 mm), which did not significantly increase soil moisture. In New Zealand, moderate rain (25-40 mm) fell across the central North Island and northern South Island, favoring pasture growth.

SOUTH AMERICA Total Precipitation (mm)
APR 2 - 8, 1995



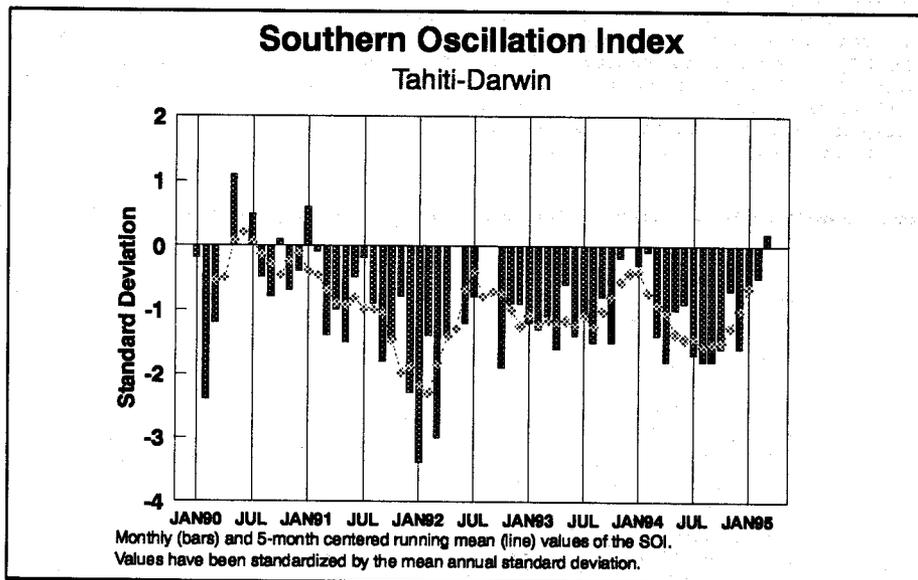
SOUTH AMERICA: Dry, warm weather (3-4 degrees C above normal) prevailed across central Argentina for most of the week, aiding summer crop harvesting. However, during April 7 and 8, moderate to heavy rain (20-70 mm) covered Buenos Aires, northern La Pampa, and southern Cordoba, delaying fieldwork but boosting soil moisture for upcoming winter wheat planting. Portions of northwestern Buenos Aires received 175-200 mm in 2 days, causing flooding and possible crop damage to soybeans and sunflowerseed. Sunflowerseed harvesting is about 50 percent completed, with soybeans under 10 percent harvested. Dry weather aided cotton harvesting in northern Argentina. Across most of southern Brazil, drier weather (less than 10 mm) aided fieldwork. Heavier rain (20-50 mm) slowed soybean harvesting across Mato Grosso. Heavy showers (60-100 mm) across Espirito Santo and eastern Bahia continued to bring substantial drought relief to coffee and cocoa. Temperatures averaged 1-2 degrees C above normal across southern Brazil.

March ENSO Update

The following information was supplied by the Climate Analysis Center/National Meteorological Center.

Warm episode conditions continued to weaken in the tropical Pacific during March. Sea surface temperature (SST) anomalies continued to decrease throughout the region from the date line eastward to the South American coast. The low-level equatorial easterlies were stronger than normal, especially in the region west of the date line. Consistent with this pattern, convective activity in the central equatorial Pacific was near normal during the month, while enhanced convection was observed over much of the equatorial west-central Pacific. Subsurface ocean temperatures in the equatorial Pacific were below normal throughout most of the Pacific, with large negative anomalies less than -5 degrees C observed in the eastern Pacific during March. The Southern Oscillation Index (SOI) was positive (0.2) for the first time in over 4 years (see graph).

Statistical predictions indicate a gradual decrease in positive SST anomalies in the central equatorial Pacific during the next several months, with near-normal conditions developing



during the latter half of the year. However, numerical model predictions indicate that positive SST anomalies will persist in the tropical Pacific through the end of 1995. Caution should be exercised when using the longer lead predictions, as all of the techniques are least skillful for 3-season predictions made at this time of the year.

(Continued from front cover)

lowest temperatures for so late in the season. Readings remained below 20°F all day in locations such as St. Johnsbury, VT (high of 19°F). Farther south, blooming peaches in the Middle Atlantic region appeared to escape serious damage, as temperatures associated with the short-lived cold snap fell only to near-critical levels in the middle 20's. Strong winds accompanied the chill, with an April-record gust to 61 mph in Concord, NH on Wednesday. A gust to 45 mph in Wilmington, DE was their highest in April since 1975.

Heavy rain developed in the Arklatex region on Monday along the leading edge of the cold air. A day later, thunderstorm activity shifted southward into central and southeastern Texas, where rainfall locally topped 2 inches, and four tornadoes were observed. Palacios, TX netted 6.12 inches on Tuesday. By midweek, rains spread into Florida, where Jacksonville (Naval Air Station) and Ft. Myers measured more than 2 inches of rain. Tornadoes touched down on Thursday near Naples and West Palm Beach.

On Monday, Olympia, WA (74°F) was among four stations in the Pacific Northwest to report a daily-record high. A day later, highs topped 70°F as far north as Billings, MT (72°F). Meanwhile in Alaska, Fairbanks recorded a high of 54°F, helping to boost weekly temperatures to 11°F above normal. By midweek, warmth shifted into

the Desert Southwest, where Lake Havasu City, AZ registered a high of 96°F on April 5 and 6. At week's end, highs rose above 90°F at Childress, TX (94°F) and Altus, OK (91°F). Farther north, however, highs on Saturday remained below freezing in locations such as Williston, ND (30°F) and Glasgow, MT (31°F). In addition, snow blanketed Glasgow to a depth of 12 inches by early Sunday (April 9). Elsewhere, depths reached 5 inches in Great Falls, MT, 2 inches in Pierre, SD, and an inch in Binghamton, NY. Rainfall locally exceeded an inch from the Midwest into the eastern Great Lakes States, easing short-term dryness. Farther south, however, precipitation since March 1 remained at less than 30 percent of normal at many locations, including Augusta, GA, Florence, SC, Charlotte, NC, and Atlantic City, NJ. Due to the dryness and several breezy, low-humidity days, numerous wild fires flourished in the Atlantic Coast States. Dry conditions also persisted in much of Hawaii, where Hilo marked its 12th consecutive week with below-normal rainfall, pushing their year-to-date deficit to more than 25 inches.

Significant precipitation in northern California was confined to coastal areas and higher elevations, where nearly 4 inches fell at Blue Canyon on April 6-8. Farther north, totals in excess of 2 inches were confined to areas from the Cascades westward. Heavy snow spread into the Utah's Wasatch Range at week's end.

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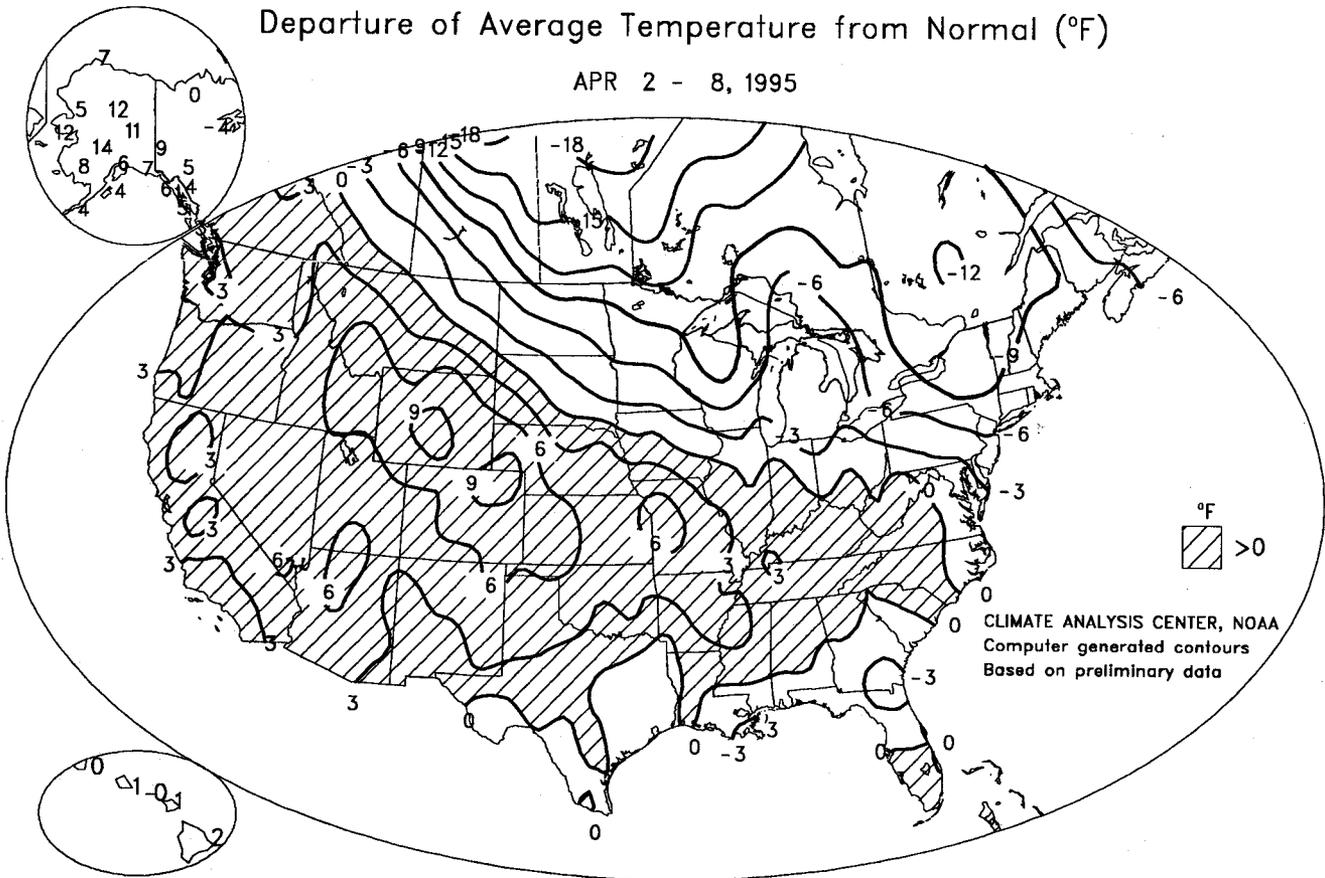
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Departure of Average Temperature from Normal (°F)

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