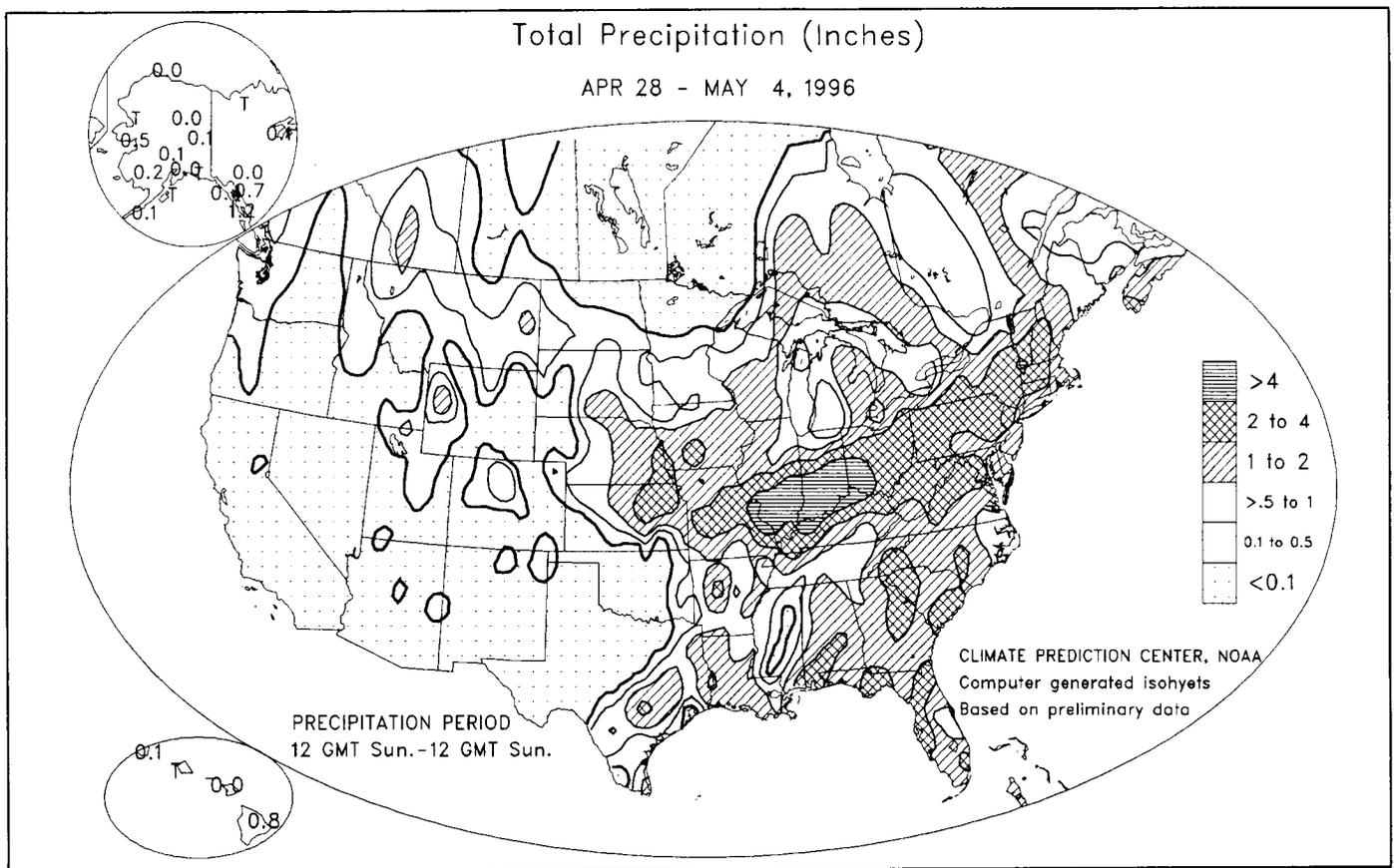


WEEKLY WEATHER AND CROP BULLETIN

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



HIGHLIGHTS

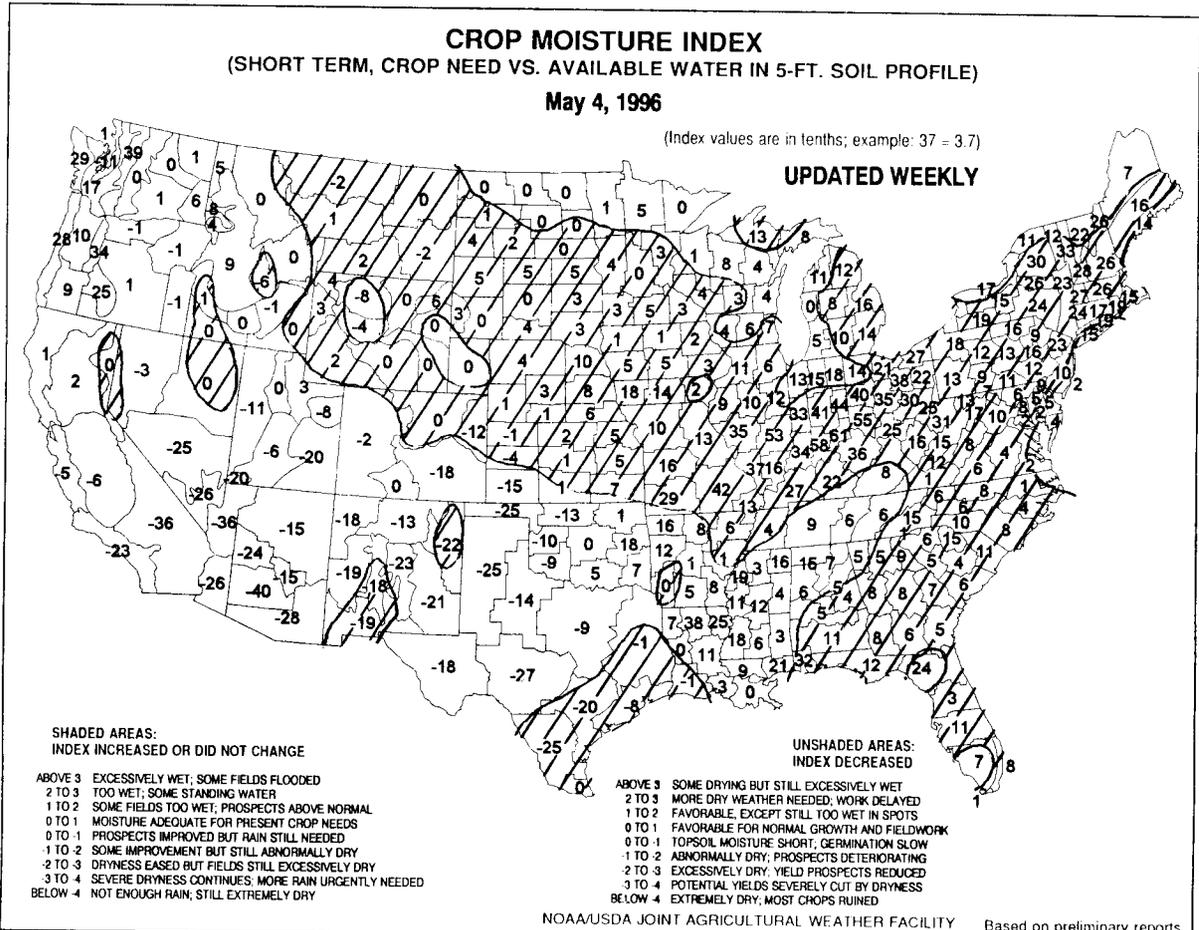
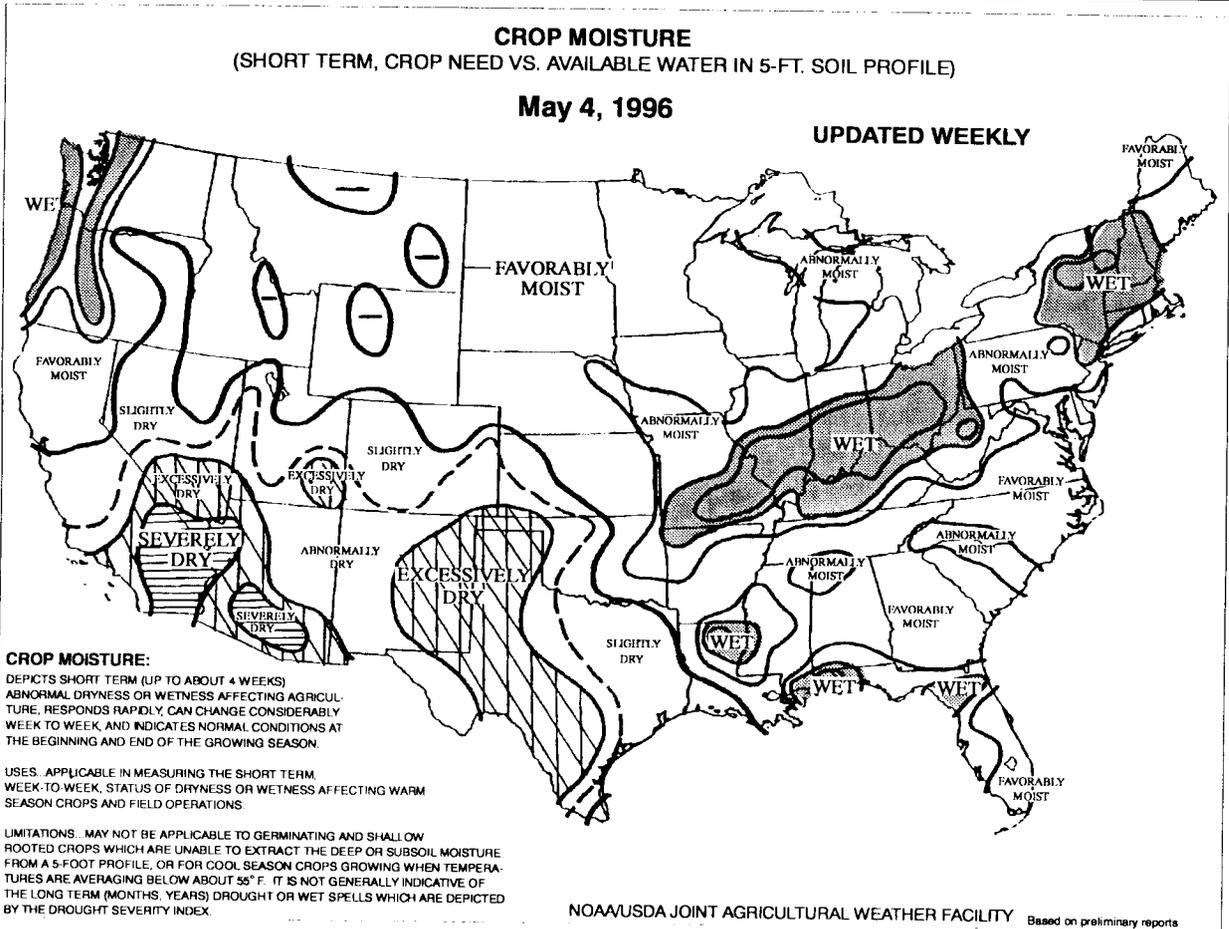
April 28 - May 4, 1996

A late-April storm dumped 4 to 8 inches of rain on the **southern Corn Belt**, flooding lowlands and delaying planting. The remainder of the **Corn Belt** experienced crop development delays, as damp weather coincided with temperatures up to 10°F below normal. In contrast, hot weather persisted in the **Southwest**, where gusty winds fanned numerous wild fires. Across the **central and southern Plains**, meanwhile, continued drought and late-week heat further stressed wheat. At week's end, temperatures dipped below freezing across parts of the **interior Northwest**.

(Continued on page 3)

Contents

Crop Moisture Maps	2
Temperature Departure Map	3
Extreme Maximum & Minimum Temperature Maps	3
Growing Degree Day Maps	4
National Weather Data for Selected Cities	5
April Weather Summary & Plains Drought Update ..	8
April Precipitation and Temperature Maps	9
April Weather Data for Selected Cities	10
National Agricultural Summary	11
Crop Progress and Condition Tables	12
State Agricultural Summaries	14
Soil Temperature Map	18
International Weather and Crop Summary & April Temperature/Precipitation Table	19
Subscription Info. & Pasture Condition Table	24



(Continued from front cover)

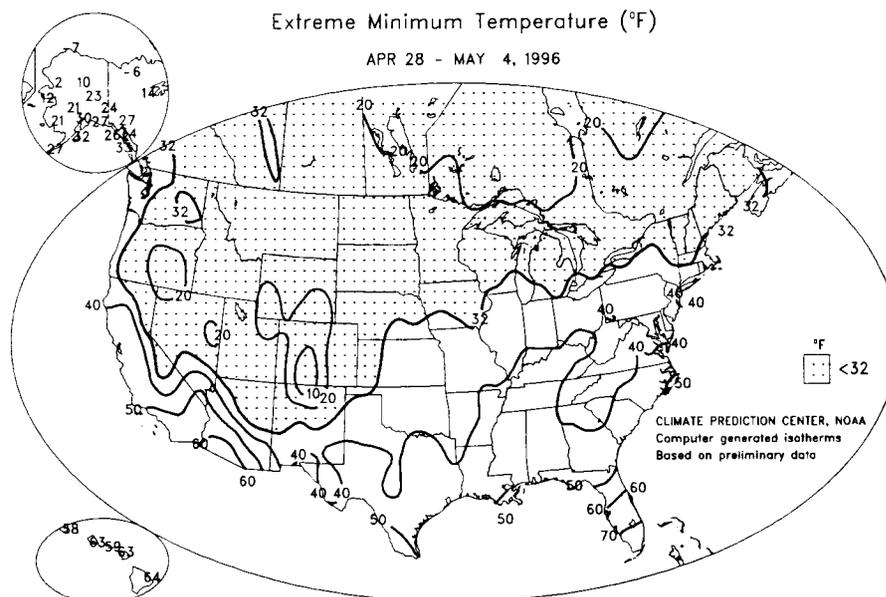
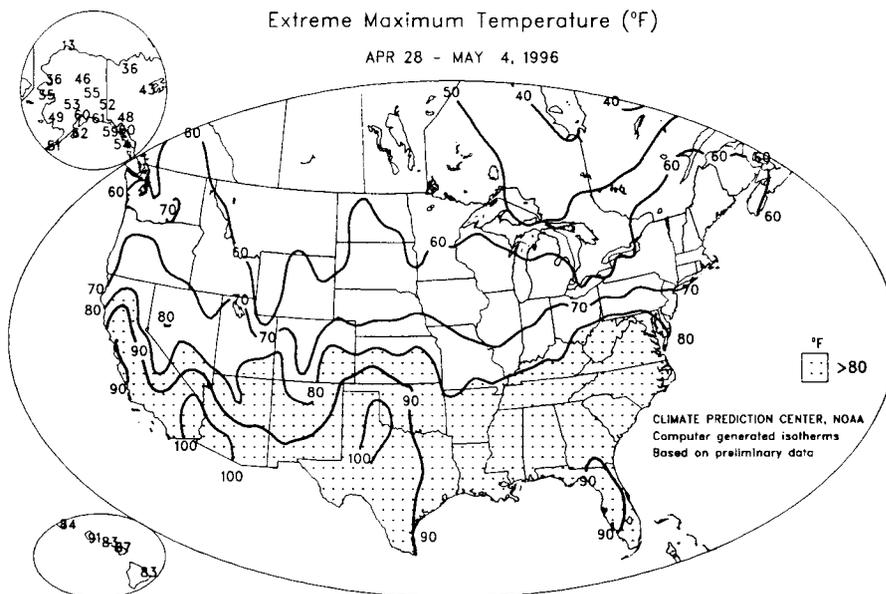
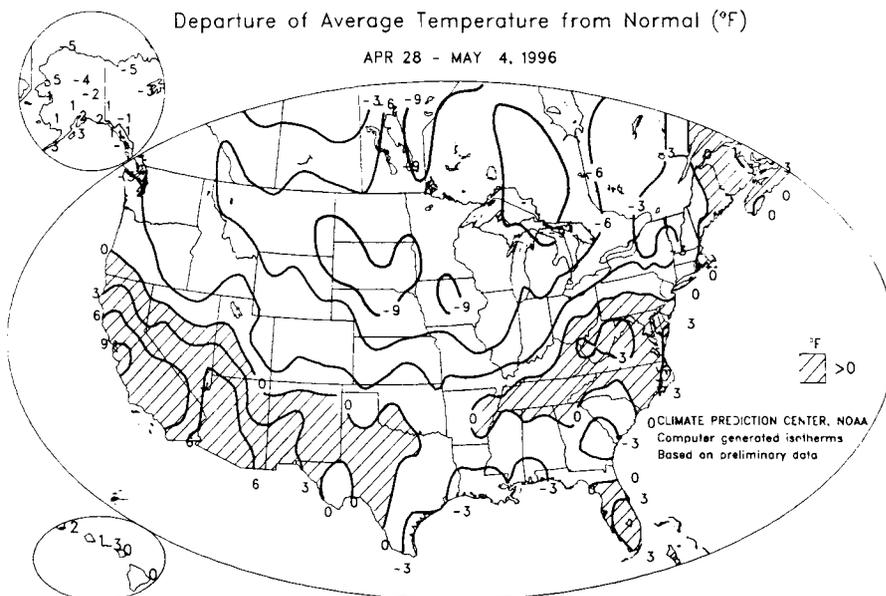
On Sunday in **Missouri**, daily-record rainfall soaked **Columbia** (4.50 inches) and **St. Louis** (4.46 inches). In **Evansville, IN**, 7.92 inches fell on April 28-29, their wettest 24-hour period on record. The heavy rain lifted river crests more than 10 feet above flood stage along several **Ohio** and middle **Mississippi River** tributaries, including parts of the **White (IN)**, **Wabash (IN/IL border)**, and **Big Muddy (IL)**.

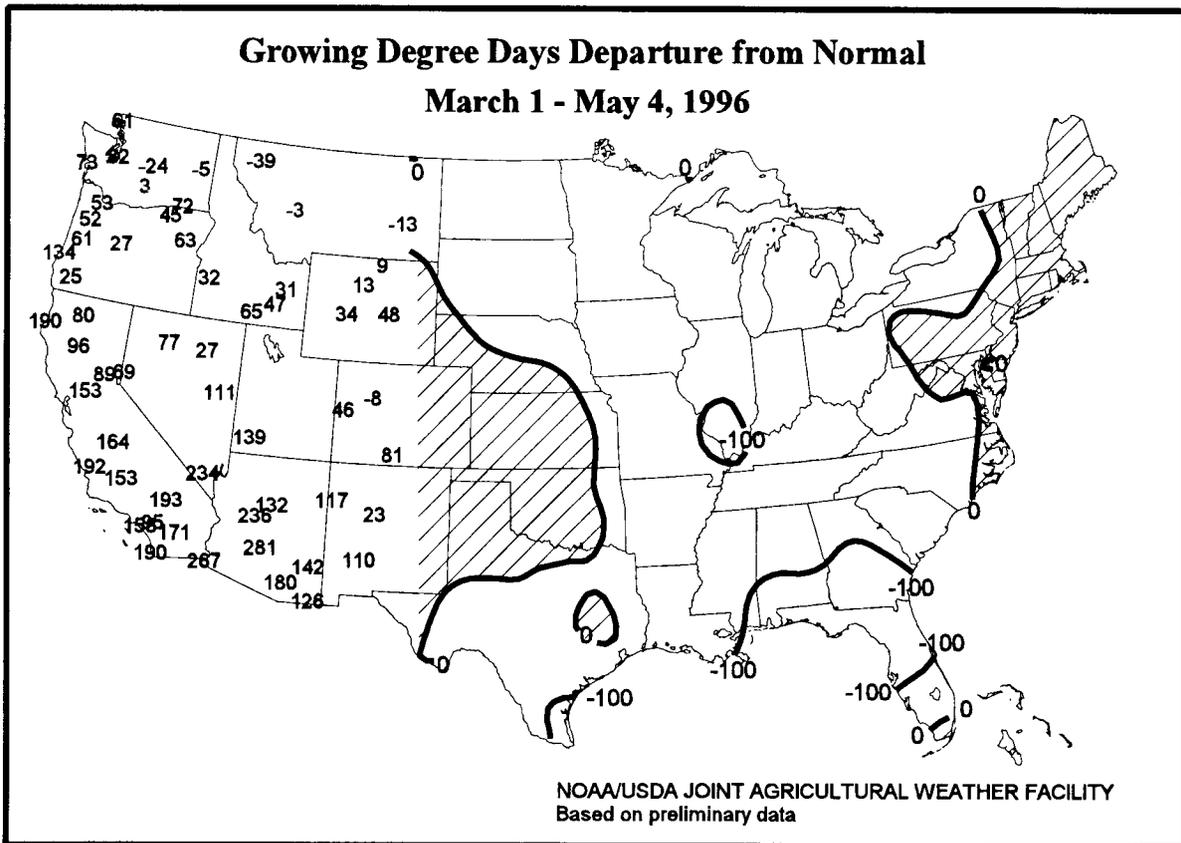
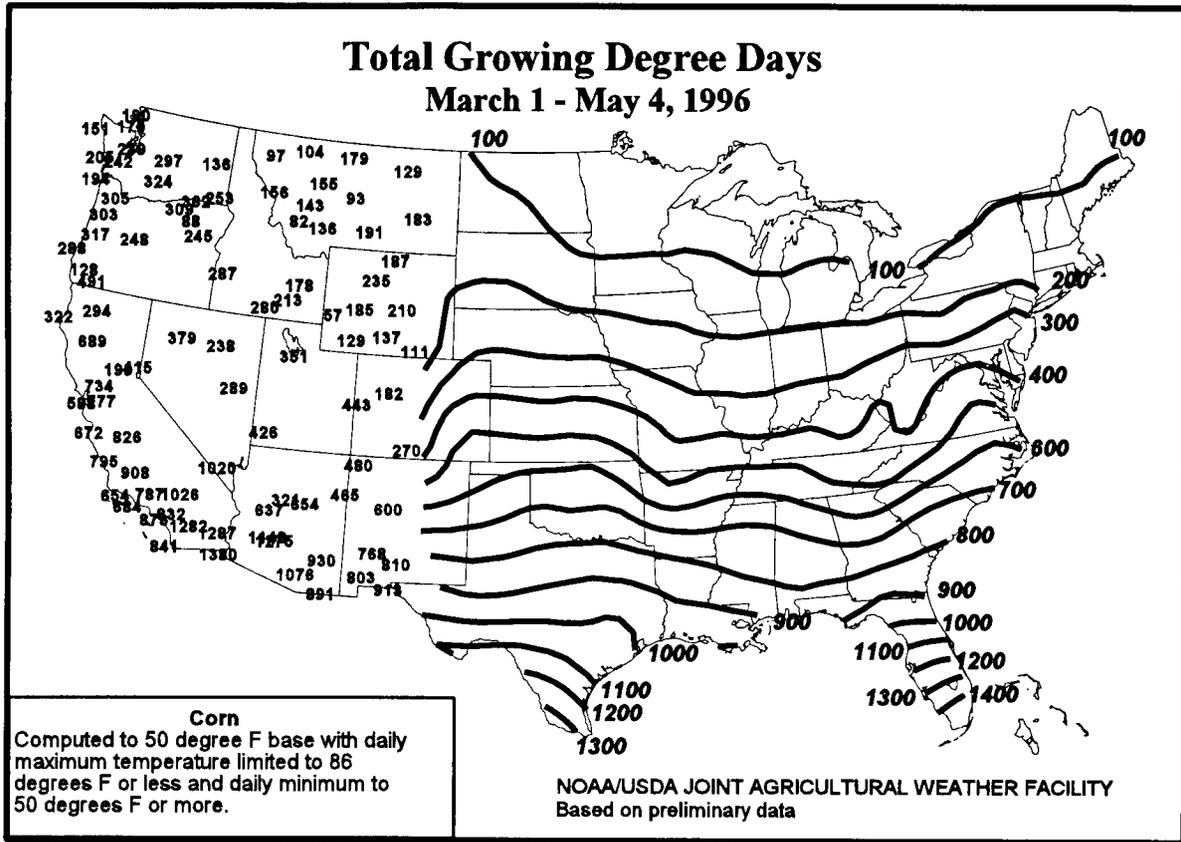
The storm lifted northeastward through the **Great Lakes region** by Tuesday, delivering a late-season snowfall from eastern **Iowa** to **Michigan's Upper Peninsula**. April 29-30 snowfall reached 3.0 inches in **Dubuque, IA** and 1.3 inches in **Madison, WI**. Farther north, totals reached 13.3 inches in **Rhinclander, WI** and 14.9 inches in **Marquette, MI**. The snow boosted **Marquette's** monthly (43.4 inches) and seasonal snowfall (250.8 inches) to all-time records. Meanwhile, severe weather unfolded along the storm's trailing cold front, including wind gusts on Monday in **Ohio** to 82 mph in **Dayton** and 62 mph in **Cincinnati**. A day earlier, gusts reached 62 mph in **St. Louis, MO**.

In the storm's wake, high pressure surged southeastward from the **Northwest**. On Sunday, lows in **Idaho** dipped to daily-record levels in **Boise** (29°F) and **Pocatello** (21°F). A day later, daily records in **Colorado** included 22°F in **Pueblo** and 7°F in **Alamosa**. On the last day of April, **Shreveport, LA** noted 39°F, their latest sub-40°F occurrence on record. About 20 daily-record lows were set on May 1, raising the 4-day total to more than 50; temperatures dipped to 32°F as far south as **Asheville, NC** and **Bristol, TN**. Cool air returned to the **Northwest** at week's end, producing daily-record lows of 29°F in **Spokane, WA** and 31°F in **Eugene, OR**. Farther east, **Helena, MT** registered 20°F.

Extreme heat remained confined to **California** until late in the week, when temperatures topped 100°F in parts of the **southern Plains**. During the 4 days ending on May 1, nearly three dozen daily-record highs were established in **California**. On Tuesday, a high of 94°F in **Sacramento** eclipsed their April record, while maxima of 99°F in **Lompoc** and 90°F in **Monterey** obliterated former daily records by 14 degrees or more. By Friday, heat reached the **central and southern Plains**, where highs soared to daily-record levels in **Garden City, KS** (94°F) and **Lubbock, TX** (98°F). **Childress, TX** logged 103°F.

In **Hawaii**, **Honolulu's** streak of warmth culminated with an April-record high of 91°F on Sunday, their 11th consecutive daily record and 21st in 27 days. Cooler air overspread the State thereafter, resulting in a daily-record low in **Lihue** (58°F on May 1). Farther north, above-normal temperatures arrived across **southern Alaska** after midweek, producing daily-record highs in **Cold Bay** (51°F on Friday) and **Valdez** (58°F on Saturday).





National Weather Data for Selected Cities

Weather Data for the Week Ending May 4, 1996

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS							
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN. SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL IN. SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	90 AND BELOW	TEMP. °F		.01 INCH OR MORE	.05 INCH OR MORE	
																		90 AND ABOVE	90 AND BELOW			
AL BIRMINGHAM	80	51	85	41	65	-1	0.46	-0.89	0.46	13.28	113	25.96	119	94	42	0	0	1	0	0	0	0
MOBILE	78	56	84	49	67	-4	3.87	2.48	3.67	20.91	181	31.56	144	96	49	0	0	1	1	0	0	0
MONTGOMERY	80	52	85	44	68	-2	2.11	1.23	2.11	14.29	130	25.51	119	96	46	0	0	1	1	0	0	0
AK ANCHORAGE	54	34	60	30	44	2	0.00	-0.15	0.00	0.51	34	3.02	98	87	37	0	2	0	0	0	0	0
BARROW	10	-1	13	-7	5	-5	0.00	-0.04	0.00	0.17	44	0.28	44	90	79	0	7	0	0	0	0	0
FAIRBANKS	50	29	55	23	40	-2	0.07	-0.01	0.07	0.85	84	2.39	142	82	30	0	5	1	0	0	0	0
JUNEAU	53	37	60	34	45	1	..	..	..	..	..	..	..	92	49	0	0	..	..	..	..	..
KODIAK	52	36	62	32	44	3	0.02	-1.13	0.02	11.24	118	16.17	72	84	45	0	1	1	0	0	0	0
NOME	32	21	35	12	26	-1	0.47	0.32	0.24	0.94	72	3.86	141	89	75	0	7	2	0	0	0	0
AZ PHOENIX	96	67	99	60	82	7	0.00	-0.02	0.00	0.55	50	1.81	72	19	7	6	0	0	0	0	0	0
PRESOTT	82	46	88	37	64	11	0.00	-0.15	0.00	1.15	43	2.19	36	31	12	0	0	0	0	0	0	0
TUCSON	93	60	96	53	76	7	0.00	-0.05	0.00	0.32	31	1.13	44	17	6	6	0	0	0	0	0	0
YUMA	97	67	101	63	82	7	0.00	-0.03	0.00	0.43	110	0.61	64	31	9	7	0	0	0	0	0	0
AR FORT SMITH	75	52	81	39	63	-3	0.51	-0.62	0.51	9.53	110	13.94	105	92	48	0	0	1	1	1	1	1
LITTLE ROCK	..	..	..	..	..	..	0.33	-0.80	..	7.56	89	11.68	67	..	..	..	..	..	..	..	..	..
CA BAKERSFIELD	91	58	95	49	74	7	0.00	-0.07	0.00	0.63	39	4.18	117	55	14	4	0	0	0	0	0	0
EUREKA	60	45	64	41	52	1	0.00	-0.44	0.00	8.16	98	26.99	140	88	47	0	0	0	0	0	0	0
FRESNO	89	56	94	49	72	7	0.00	-0.12	0.00	2.69	94	7.86	115	68	8	4	0	0	0	0	0	0
LOS ANGELES	80	61	94	59	70	9	0.00	-0.06	0.00	2.87	107	8.99	118	85	41	1	0	0	0	0	0	0
REDDING	84	51	92	40	68	6	0.00	-0.34	0.00	4.38	67	23.08	134	63	18	2	0	0	0	0	0	0
SACRAMENTO	87	54	94	48	70	8	0.00	-0.12	0.00	4.23	114	13.83	130	73	18	3	0	0	0	0	0	0
SAN DIEGO	75	62	87	58	68	5	0.00	-0.08	0.00	1.46	67	3.86	65	82	53	0	0	0	0	0	0	0
SAN FRANCISCO	79	53	90	46	66	9	0.00	-0.12	0.00	4.28	97	17.22	143	73	27	1	0	0	0	0	0	0
CO DENVER	65	33	78	22	49	-4	0.04	-0.47	0.02	1.11	33	1.41	32	63	24	0	3	2	0	0	0	0
GRAND JUNCTION	72	38	82	24	55	-3	0.00	-0.24	0.00	1.46	67	3.18	97	54	14	0	2	0	0	0	0	0
PUEBLO	74	32	90	22	53	-4	0.00	-0.26	0.00	1.61	88	1.93	78	74	14	1	2	0	0	0	0	0
CT BRIDGEPORT	60	47	69	39	54	0	1.23	0.34	0.43	12.57	156	21.00	146	91	58	0	0	3	0	0	0	0
HARTFORD	63	44	73	35	53	-2	1.90	0.97	1.20	9.84	120	19.62	132	84	46	0	0	4	1	1	1	1
DC WASHINGTON	78	52	86	42	64	2	1.47	0.72	0.87	7.69	122	14.69	124	86	47	0	0	3	2	2	2	2
FL PANAMA CITY	78	61	82	54	69	-1	1.27	0.64	1.16	11.55	120	17.75	88	98	57	0	0	2	1	1	1	1
DAYTONA BEACH	81	65	87	58	73	1	1.29	0.72	1.29	14.37	264	21.28	186	98	61	0	0	1	1	1	1	1
JACKSONVILLE	82	58	90	48	70	-2	2.23	1.60	1.83	9.70	150	11.91	88	97	52	1	0	2	1	1	1	1
KEY WEST	84	76	86	72	80	1	1.01	0.44	1.00	4.87	123	5.79	75	87	72	0	0	2	1	1	1	1
MIAMI	86	75	87	74	81	3	0.89	-0.30	0.35	5.21	88	8.33	83	85	64	0	0	4	0	0	0	0
ORLANDO	88	68	94	64	78	4	0.53	0.03	0.53	10.37	197	17.28	161	92	54	4	0	1	1	1	1	1
TALLAHASSEE	82	53	88	43	68	-2	2.42	1.54	2.30	12.21	117	18.71	89	95	47	0	0	2	1	1	1	1
TAMPA	86	67	91	60	78	2	2.28	1.86	2.15	8.86	203	15.09	158	93	59	1	0	3	1	1	1	1
WEST PALM BEACH	86	73	86	70	79	3	0.58	-0.54	0.58	6.57	99	8.59	71	91	67	0	0	1	1	1	1	1
GA ATLANTA	80	54	86	44	67	1	1.39	0.41	1.28	9.36	89	21.39	105	79	36	0	0	2	1	1	1	1
AUGUSTA	80	48	88	38	64	-3	1.42	0.64	1.22	6.71	80	11.94	71	95	46	0	0	2	1	1	1	1
MACON	80	51	86	41	65	-3	1.23	0.44	1.08	8.85	102	14.61	81	98	46	0	0	2	1	1	1	1
SAVANNAH	81	53	90	45	67	-3	1.70	0.93	1.05	8.56	118	11.93	84	98	46	1	0	2	2	2	2	2
HI HILO	80	67	83	64	74	0	0.76	-2.15	0.38	22.99	75	49.09	96	91	67	0	0	3	0	0	0	0
HONOLULU	84	67	91	63	76	-1	0.03	-0.27	0.03	3.05	78	7.54	78	77	49	1	0	1	0	0	0	0
KAHULUI	83	67	87	63	75	0	0.00	-0.28	0.00	6.90	148	12.41	105	83	56	0	0	0	0	0	0	0
LIHUE	81	64	84	58	73	-2	0.06	-0.73	0.06	4.98	61	14.31	82	82	53	0	0	1	0	0	0	0
ID BOISE	61	38	67	29	49	-4	0.00	-0.27	0.00	3.29	122	5.22	100	73	26	0	2	0	0	0	0	0
LEWISTON	59	41	68	35	50	-5	0.00	-0.28	0.00	3.88	164	7.18	156	78	36	0	0	0	0	0	0	0
POCATELLO	60	35	66	21	47	-2	0.00	-0.30	0.00	2.33	88	4.15	89	66	22	0	3	0	0	0	0	0
IL CHICAGO	56	38	65	36	47	-7	0.52	-0.27	0.30	3.71	55	5.91	61	87	49	0	0	3	0	0	0	0
MOLINE	58	39	66	33	48	-8	0.94	-0.02	0.64	3.64	48	7.05	68	94	49	0	0	4	1	1	1	1
PEORIA	60	41	65	36	50	-7	1.15	0.30	0.46	4.94	68	7.19	70	90	46	0	0	4	0	0	0	0
QUINCY	60	42	66	33	51	-8	1.40	0.38	0.38	3.76	50	6.52	62	91	56	0	0	5	0	0	0	0
ROCKFORD	59	37	65	33	48	-8	1.20	0.38	1.07	3.85	55	5.56	61	91	40	0	0	2	1	1	1	1
SPRINGFIELD	61	43	67	35	52	-7	3.61	2.78	2.00	8.12	110	10.84	99	97	61	0	0	6	2	2	2	2
IN EVANSVILLE	68	49	77	41	58	-5	8.57	7.54	6.03	17.69	181	22.65	139	92	54	0	0	5	2	2	2	2
FORT WAYNE	61	42	71	34	52	-4	0.76	-0.02	0.35	5.41	80	9.17	86	90	51	0	0	7	0	0	0	0
INDIANAPOLIS	62	46	70	38	54	-4	4.21	3.31	1.82	12.08	150	17.11	133	94	59	0	0	6	3	3	3	3
SOUTH BEND	59	41	65	36	50	-5	0.64	-0.13	0.23	4.99	68	8.73	76	89	49	0	0	4	0	0	0	0
IA DES MOINES	58	39	63	32	47	-9	1.94	1.04	0.79	3.83	60	5.25	63	92	57	0	1	4	2	2	2	2
SIOUX CITY	59	37	66	26	48	-9	0.72	0.01	0.41	2.63	55	3.69	61	87	37	0	2	3	0	0	0	0
WATERLOO	58	37	64	30	48	-8	0.93	0.07	0.47	3.02	49	5.24	65	89	47	0	1	4	0	0	0	0
KS CONCORDIA	64	43	77	34	53	-5	1.37	0.59	0.80	3.11	61	3.86	57	84	40	0	0	5	1	1	1	1
DODGE CITY	70	42	90	34	56	-4	0.01	-0.60	0.01	2.01	50	2.48	48	80	34	1	0	1	0	0	0	0
GOODLAND	63	38	73	28	50	-4	0.20	-0.40	0.17	1.48	51	1.74	47	85	37	0	2	2	0	0	0	0
TOPEKA	66	46	79	35	56	-4	1.80	0.96	0.91	4.00	66	4.93	80	88	42	0	0	4	2	2	2	2
WICHITA	70	48	82	37	59	-3	1.03	0.22	1.00	3.28	55	3.44	43	88	44	0	0	2	1	1	1	1
KY BOWLING GREEN	74	51	81	41	63</																	

Weather Data for the Week Ending May 4, 1996

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN. SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL IN. SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP., °F		PRECIP.	
																90 AND ABOVE	32 AND BELOW	01 INCH OR MORE	05 INCH OR MORE
ME CARIBOU	58	36	66	28	47	2	0.31	-0.34	0.25	5.63	106	12.35	127	76	32	0	3	4	0
ME PORTLAND	59	39	66	30	49	0	1.36	0.48	0.38	9.77	118	17.72	118	89	50	0	2	5	0
MD BALTIMORE	74	45	85	35	60	1	1.28	0.50	0.59	7.99	115	17.16	129	93	51	0	0	4	2
MD SALISBURY	75	50	80	33	62	3	0.52	-0.26	0.40	9.15	117	17.38	116	92	48	0	0	3	0
MA BOSTON	61	46	68	40	54	0	1.28	0.50	0.59	7.11	92	17.73	118	84	44	0	0	5	1
MA CHATHAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MI ALPENA	47	27	59	20	37	-10	0.81	0.24	0.49	3.35	71	6.28	82	83	45	0	6	3	0
MI DETROIT	58	39	69	34	49	-5	0.71	0.06	0.42	5.04	86	8.67	92	87	41	0	0	5	0
MI FLINT	57	37	65	27	47	-5	1.44	0.81	0.97	5.33	98	8.64	106	80	44	0	1	4	1
MI GRAND RAPIDS	56	38	65	30	47	-6	0.14	-0.58	0.07	3.44	53	5.42	55	89	47	0	1	3	0
MI HOUGHTON LAKE	60	32	61	28	41	-8	0.82	0.28	0.57	4.12	90	7.35	101	90	44	0	3	3	1
MI LANSING	57	36	66	25	47	-5	0.38	-0.27	0.20	4.68	86	6.26	76	91	45	0	2	3	0
MI MARQUETTE	43	24	52	20	34	-11	1.70	1.07	1.40	8.61	149	16.76	171	91	52	0	7	3	1
MI MUSKEGON	54	38	62	28	46	-6	0.39	-0.24	0.20	3.71	64	6.74	69	88	42	0	1	3	0
MI SAULT ST. MARIE	44	27	50	23	35	-10	0.67	0.10	0.61	5.82	116	12.09	131	91	54	0	7	3	1
MN ALEXANDRIA	56	31	59	28	43	-7	-	-	-	-	-	-	-	72	25	0	5	-	-
MN DULUTH	51	29	54	22	40	-8	0.00	-0.59	0.00	2.14	47	4.60	70	75	32	0	6	0	0
MN INT'L FALLS	51	27	57	23	39	-8	0.00	-0.44	0.00	1.97	67	5.21	117	71	27	0	7	0	0
MN MINNEAPOLIS	58	36	61	31	47	-6	0.54	-0.13	0.48	2.70	56	4.80	72	86	22	0	3	2	0
MN ROCHESTER	56	34	61	28	45	-7	0.31	-0.41	0.21	4.39	88	6.60	101	85	36	0	3	3	0
MS GREENWOOD	79	55	87	44	67	-1	-	-	-	-	-	-	-	91	46	0	0	-	-
MS JACKSON	79	54	86	44	67	-2	0.22	-1.09	0.22	14.59	119	25.46	112	92	47	0	0	1	0
MS MERIDIAN	80	50	86	41	66	-3	0.81	-0.30	0.81	12.59	99	21.91	93	100	47	0	0	1	1
MO CAPE GIRARDEAU	71	52	80	39	61	-2	2.00	0.85	1.56	9.41	93	13.95	84	91	51	0	0	3	1
MO COLUMBIA	83	44	74	33	54	-5	5.96	4.93	4.58	10.07	136	12.89	119	94	60	0	0	5	2
MO KANSAS CITY	84	48	77	38	56	-5	1.75	0.76	0.78	3.84	61	5.18	61	89	53	0	0	4	2
MO SAINT LOUIS	86	48	72	38	57	-5	5.90	5.03	4.46	11.87	156	15.65	135	89	49	0	0	6	2
MO SPRINGFIELD	68	47	78	38	58	-3	2.24	1.24	2.17	6.83	81	9.96	82	92	51	0	0	2	1
MT BILLINGS	52	35	58	33	44	-7	0.72	0.19	0.25	2.50	77	3.90	80	84	33	0	0	5	0
MT GLASGOW	52	31	57	22	42	-9	0.19	-0.11	0.13	0.87	66	1.48	78	93	37	0	3	3	0
MT GREAT FALLS	53	30	60	23	42	-7	0.18	-0.30	0.09	2.41	85	3.00	69	87	33	0	4	2	0
MT HAVRE	53	35	60	33	44	-6	0.47	0.16	0.16	1.72	95	2.66	98	88	36	0	0	5	0
MT HELENA	54	28	56	20	41	-7	0.00	-0.33	0.00	1.46	76	2.01	67	79	27	0	5	0	0
MT KALISPELL	49	32	60	24	41	-7	0.90	0.56	0.35	4.99	217	9.52	192	96	49	0	3	6	0
MT MILES CITY	53	35	58	31	44	-9	0.93	0.51	0.49	2.84	125	4.33	132	95	43	0	2	5	0
MT MISSOULA	53	32	59	25	43	-6	0.13	-0.20	0.08	3.28	153	6.17	146	87	31	0	4	2	0
NE GRAND ISLAND	80	40	70	33	50	-7	1.44	0.69	0.88	3.69	75	4.77	78	91	46	0	0	3	2
NE LINCOLN	61	41	73	32	51	-6	1.75	0.98	1.35	4.43	82	5.52	83	94	59	0	1	5	1
NE NORFOLK	57	39	67	28	48	-8	1.44	0.75	0.81	2.59	56	3.55	60	92	43	0	1	3	1
NE NORTH PLATTE	58	36	69	28	47	-7	0.48	-0.19	0.42	1.21	33	1.71	38	90	45	0	3	3	0
NE OMAHA	80	42	69	33	51	-7	2.90	2.02	-	-	-	7.09	104	88	48	0	0	-	-
NE SCOTTSBLUFF	62	34	71	21	48	-4	0.03	-0.50	0.03	1.94	64	2.77	69	85	27	0	3	1	0
NE VALENTINE	55	36	63	26	46	-9	0.50	-0.16	0.20	1.96	50	2.65	54	94	48	0	1	4	0
NV ELY	68	27	74	17	48	1	0.00	-0.25	0.00	1.45	69	2.91	83	63	10	0	7	0	0
NV LAS VEGAS	90	60	97	50	75	6	0.00	-0.06	0.00	0.12	17	0.39	24	15	6	5	0	0	0
NV RENO	73	37	79	29	55	2	0.00	-0.13	0.00	1.78	153	4.88	149	59	12	0	3	0	0
NV WINNEMUCCA	71	30	77	22	50	-1	0.00	-0.19	0.00	1.48	86	4.23	136	70	13	0	4	0	0
NH CONCORD	59	36	67	27	48	-3	1.25	0.55	0.51	8.14	136	15.58	139	92	47	0	3	5	1
NJ ATLANTIC CITY	69	47	75	34	58	2	0.74	-0.06	0.35	9.72	127	15.12	106	90	49	0	0	4	0
NM ALBUQUERQUE	80	47	86	33	63	3	0.00	-0.11	0.00	0.04	4	0.39	19	22	6	0	0	0	0
NM CLOVIS	82	46	93	37	64	3	0.00	-0.30	0.00	0.05	3	0.41	16	42	9	3	0	0	0
NM ROSWELL	86	51	96	40	68	2	-	-	-	-	-	-	-	31	7	3	0	-	-
NY ALBANY	58	39	65	28	48	-4	2.51	1.79	0.97	9.06	142	13.02	117	91	56	0	1	4	2
NY BINGHAMTON	55	40	61	34	48	-3	1.58	0.84	0.74	8.37	131	12.46	111	94	54	0	0	4	2
NY BUFFALO	55	40	61	30	48	-4	0.85	-0.02	0.22	8.20	138	12.87	116	93	53	0	1	4	0
NY NEW YORK	62	50	71	48	56	-1	1.05	0.17	0.52	9.51	120	15.73	113	85	45	0	0	3	1
NY ROCHESTER	57	40	65	30	49	-4	0.91	0.30	0.46	7.17	136	11.97	126	96	52	0	1	5	0
NY SYRACUSE	57	40	63	32	49	-4	1.15	0.41	0.67	6.20	96	10.59	95	91	49	0	1	4	1
NC ASHEVILLE	78	45	88	32	60	0	0.81	-0.39	0.44	5.35	53	15.27	82	89	32	0	1	2	0
NC CHARLOTTE	77	52	86	39	64	1	2.70	1.95	2.57	9.13	121	15.74	103	83	42	0	0	2	1
NC GREENSBORO	76	48	84	36	62	0	1.39	0.59	0.85	8.73	125	14.98	110	89	43	0	0	2	2
NC HATTERAS	74	60	76	54	67	4	1.27	0.42	1.27	8.85	106	-	-	90	63	0	0	1	1
NC NEW BERN	80	56	87	50	68	2	0.98	0.09	0.74	8.07	106	14.05	86	93	50	0	0	2	1
NC RALEIGH	77	50	86	39	64	0	1.77	1.01	1.32	7.49	110	14.28	101	89	51	0	0	2	1
NC WILMINGTON	78	56	86	48	67	2	0.57	-0.21	0.57	7.14	90	11.29	66	98	54	0	0	1	1
ND BISMARCK	54	30	63	26	42	-8	0.41	-0.04	0.23	1.87	72	3.59	98	83	33	0	6	3	0
ND FARGO	57	28	61	24	42	-9	0.00	-0.50	0.00	0.64	20	3.40	78	81	23	0	7	0	0
ND GRAND FORKS	55	29	59	26	42	-8	0.00	-0.39	0.00	1.37	54	2.96	79	89	28	0	7	0	0
ND WILLISTON	53	30	60	22	42	-8	0.20	-0.19	0.11	1.37	61	2.33	72	89	33	0	4	2	0
OH AKRON-CANTON	63	42	70	34	52	-2	2.43	1.62	1.30	8.14	117	10.65	93	94	54	0	0	7	2
OH CINCINNATI	67	47	75	38	57	-2	5.56	4.63	2.22	15.28	179	20.85	150	95	52	0	0	7	3
OH CLEVELAND	62	42	67	35	52	-1	1.88	1.12	0.83	8.89	137	13.18	122	93	56	0	0	6	1
OH COLUMBUS	66	46	77	38	56	1	3.53	2.65	1.91	11.05	153	17.00	148	97	57	0	0	6	1
OH DAYTON	63	46	72	37	55	-2	5.39	4.54	2.09	14.83	200	19.91	169	96	59	0	0	7	3

Based on 1961-90 normals

Weather Data for the Week Ending May 4, 1996

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN. SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL, IN. SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	PRECIP.		
																		01 INCH OR MORE	05 INCH OR MORE	
OK TOLEDO	58	41	68	33	50	-4	1.11	0.46	0.84	6.48	108	9.31	98	83	43	0	0	3	1	
OK YOUNGSTOWN	61	42	68	36	52	-1	2.10	1.36	1.04	8.71	131	13.42	123	90	51	0	0	5	2	
OK OKLAHOMA CITY	78	50	90	36	64	-1	0.00	-0.99	0.00	4.17	68	4.27	48	83	46	1	0	0	0	
OK TULSA	76	52	82	38	64	-2	0.10	-1.03	0.10	3.49	44	4.12	36	87	44	0	0	1	0	
OR ASTORIA	56	41	61	37	48	-2	0.68	-0.12	0.37	15.45	129	36.07	131	93	48	0	0	4	0	
OR BURNS	59	27	68	15	43	-4	0.00	-0.19	0.00	2.72	156	5.48	155	88	25	0	4	0	0	
OR MEDFORD	72	39	80	28	55	1	0.00	-0.24	0.00	2.83	91	11.22	144	83	25	0	1	0	0	
OR PENDLETON	63	42	69	33	52	-2	0.00	-0.25	0.00	2.74	115	6.20	122	75	25	0	0	0	0	
OR PORTLAND	61	44	68	38	52	-2	0.03	-0.47	0.03	9.67	156	26.13	169	83	41	0	0	1	0	
OR SALEM	62	39	70	32	51	-1	0.13	-0.33	0.08	8.27	122	29.53	170	91	41	0	1	3	0	
PA ALLENTOWN	64	42	69	34	53	-3	1.56	0.65	0.96	9.82	133	18.13	134	90	49	0	0	3	2	
PA ERIE	59	42	64	35	50	-2	1.75	1.00	0.90	8.47	127	13.78	122	93	61	0	0	6	1	
PA HARRISBURG	69	47	75	36	58	1	1.33	0.44	-	8.06	114	15.49	121	89	49	0	0	-	-	
PA PHILADELPHIA	70	48	75	40	59	2	1.51	0.55	0.91	9.20	118	14.22	98	89	59	0	0	4	1	
PA PITTSBURGH	69	46	79	41	57	2	1.45	0.69	0.91	9.26	132	15.52	129	84	46	0	0	4	1	
PA SCRANTON	63	44	66	39	53	-1	1.82	1.06	0.96	7.83	131	15.61	151	90	52	0	0	4	2	
RI PROVIDENCE	63	45	69	35	54	1	1.48	0.58	0.70	8.72	101	15.85	97	86	49	0	0	4	2	
SC CHARLESTON	80	55	87	45	67	-2	1.88	1.00	1.88	6.72	91	9.13	64	93	47	0	0	1	1	
SC COLUMBIA	81	52	90	41	67	-1	0.96	0.22	0.84	8.93	105	13.03	78	91	41	1	0	2	1	
SC FLORENCE	80	53	89	43	67	-1	0.00	-0.69	0.00	4.35	60	8.65	61	96	41	0	0	0	0	
SC GREENVILLE	77	50	85	37	64	-1	0.63	-0.28	0.55	10.74	110	20.04	109	87	42	0	0	2	1	
SD ABERDEEN	54	30	62	24	42	-10	0.72	0.17	0.40	1.74	52	3.82	64	85	37	0	6	3	0	
SD HURON	56	33	63	24	44	-8	0.09	-0.48	0.04	0.89	22	2.24	43	86	48	0	3	3	0	
SD RAPID CITY	53	30	60	24	41	-10	0.25	-0.29	0.18	2.90	88	3.78	90	90	47	0	4	3	0	
SD SIOUX FALLS	58	32	62	23	45	-9	0.32	-0.32	0.20	1.70	37	2.86	50	87	38	0	4	3	0	
TN CHATTANOOGA	79	48	85	39	63	0	0.86	-0.14	0.79	13.13	121	22.78	110	91	38	0	0	2	1	
TN KNOXVILLE	77	49	83	36	63	1	0.94	0.06	0.67	9.52	102	19.71	111	88	37	0	0	2	1	
TN MEMPHIS	78	58	84	42	67	-1	1.20	-0.02	1.20	8.66	75	16.89	86	81	41	0	0	1	1	
TN NASHVILLE	78	51	83	43	64	0	0.61	-0.49	0.61	8.83	89	15.24	87	81	40	0	0	1	1	
TX ABILENE	86	55	96	41	70	1	0.00	-0.58	0.00	3.82	105	4.57	78	69	24	3	0	0	0	
TX AMARILLO	79	42	96	35	61	-1	0.00	-0.38	0.00	0.24	11	0.55	17	70	17	2	0	0	0	
TX AUSTIN	83	59	92	44	71	-2	0.90	-0.03	0.90	2.48	49	3.14	35	93	45	1	0	1	1	
TX BEAUMONT	78	58	83	42	68	-4	0.80	-0.31	0.80	2.51	34	6.18	39	98	57	0	0	1	1	
TX BROWNSVILLE	84	66	90	48	75	-3	0.35	-0.21	0.35	0.50	20	0.71	14	89	47	2	0	1	0	
TX CORPUS CHRISTI	82	62	90	45	72	-3	0.42	-0.20	0.41	1.61	52	1.70	25	89	49	1	0	2	0	
TX DEL RIO	87	62	96	47	75	1	0.00	-0.69	0.00	0.65	17	1.05	16	67	29	1	0	0	0	
TX EL PASO	88	58	93	45	72	4	0.00	-0.04	0.00	0.49	91	0.80	58	19	7	5	0	0	0	
TX FORT WORTH	82	57	90	40	70	1	0.00	-1.13	0.00	4.50	60	5.78	49	77	43	1	0	0	0	
TX GALVESTON	76	67	80	58	71	-2	0.00	-0.68	0.00	0.99	20	1.78	17	83	58	0	0	0	0	
TX HOUSTON	83	60	89	43	72	0	0.34	-0.68	0.34	2.17	30	4.34	29	89	46	0	0	1	0	
TX LUBBOCK	85	49	98	38	67	1	0.00	-0.39	0.00	0.19	9	0.46	14	58	9	3	0	0	0	
TX MIDLAND	87	54	99	47	70	1	0.00	-0.40	0.00	1.34	86	1.42	56	67	9	3	0	0	0	
TX SAN ANGELO	88	57	99	45	73	1	0.00	-0.59	0.00	2.67	90	2.97	61	69	19	3	0	0	0	
TX SAN ANTONIO	86	59	96	40	72	0	0.41	-0.42	0.37	1.21	28	1.90	23	85	36	3	0	2	0	
TX VICTORIA	83	59	88	43	71	-2	0.34	-0.53	0.34	2.82	51	3.15	27	92	46	0	0	1	0	
TX WACO	84	57	92	40	70	-1	0.11	-0.86	0.09	3.65	59	4.65	47	85	39	2	0	2	0	
TX WICHITA FALLS	84	53	97	41	68	1	0.00	-0.87	0.00	2.03	34	2.13	23	78	33	2	0	0	0	
UT CEDAR CITY	74	38	80	22	56	4	0.00	-0.22	0.00	1.94	78	3.58	86	43	13	0	1	0	0	
UT SALT LAKE CITY	66	41	77	32	54	-1	0.00	-0.47	0.00	4.91	114	9.55	142	73	23	0	1	0	0	
VT BURLINGTON	80	37	64	30	48	-3	1.29	0.62	0.86	7.28	135	11.81	133	86	39	0	2	4	1	
VA NORFOLK	76	54	86	47	65	3	0.68	-0.11	0.67	8.40	117	16.91	116	93	51	0	0	2	1	
VA RICHMOND	78	50	87	36	64	2	0.73	-0.07	0.73	5.85	83	11.25	83	87	30	0	0	1	1	
VA ROANOKE	77	48	86	35	62	2	0.80	-0.08	0.75	5.50	76	14.51	111	83	32	0	0	2	1	
WA QUILLAYUTE	54	40	57	35	47	-2	0.63	-0.80	0.37	19.00	97	44.81	96	94	35	0	0	6	0	
WA SEATTLE-TACOMA	57	42	65	39	50	-3	0.14	-0.29	0.07	7.49	124	23.16	149	86	32	0	0	3	0	
WA SPOKANE	56	35	62	29	45	-5	0.01	-0.29	0.01	3.70	130	8.70	137	81	31	0	3	1	0	
WV YAKIMA	64	33	72	27	49	-5	0.05	-0.06	-	0.84	69	3.96	125	73	24	0	3	-	-	
WV BECKLEY	72	48	85	35	59	3	0.92	0.05	0.46	7.82	104	16.00	120	78	37	0	0	4	0	
WV CHARLESTON	75	48	90	40	62	2	2.31	1.46	1.10	9.50	128	17.38	129	96	36	1	0	6	1	
WV HUNTINGTON	74	51	87	43	63	5	1.85	0.91	0.65	10.31	134	18.07	130	89	42	0	0	6	1	
WV PARKERSBURG	71	47	83	41	59	0	2.79	1.96	1.38	8.91	113	17.10	122	91	42	0	0	5	2	
WI GREEN BAY	52	34	64	31	43	-7	0.93	0.34	0.38	5.22	109	7.78	110	87	42	0	2	3	0	
WI LACROSSE	59	39	64	32	48	-8	0.70	0.00	-	4.25	81	7.69	108	84	32	0	1	-	-	
WI MADISON	55	34	63	31	45	-8	1.12	0.39	1.09	3.50	80	6.55	81	86	42	0	2	2	1	
WI MILWAUKEE	53	38	66	34	45	-5	0.63	-0.08	0.60	3.78	57	5.75	59	85	44	0	0	2	1	
WI WAUSAU	54	33	63	28	43	-8	0.98	0.23	0.44	4.04	78	6.67	94	85	35	0	5	4	0	
WY CASPER	57	29	63	19	43	-5	0.00	-0.46	0.00	1.41	50	2.60	65	87	33	0	5	0	0	
WY CHEYENNE	55	30	65	20	43	-5	0.00	-0.46	0.00	3.01	111	3.60	102	87	30	0	4	0	0	
WY LANDER	58	31	61	23	44	-4	0.00	-0.55	0.00	2.41	67	3.63	78	79	24	0	5	0	0	
WY SHERIDAN	52	30	59	27	41	-7	0.21	-0.29	0.11	2.83	94	3.67	83	89	40	0	5	3	0	
PR SAN JUAN	84	72	85	71	78	-2	0.46	-0.78	0.38	6.90	98	15.11	126	82	56	0	0	2	0	

Based on 1961-90 normals

April Weather Summary

Weather

Crop development across the southern Corn Belt, already delayed by cool weather, was further set back by torrential rain toward month's end. In the central Plains and Ohio Valley, extensive wheat winterkill became apparent, while the southern Plains' dryland stands continued to deteriorate. Little or no rain fell during the month from southwestern Kansas to Texas' Northern Panhandle. Across the Southwest, hot, dry, and breezy conditions abetted wild fire development. In contrast, late-season rainfall dampened the West Coast States as far south as central California.

Monthly temperatures ranged from 2 to 5°F below normal across the Corn Belt and the Southeast. Above-normal temperatures prevailed, however, from the High Plains westward, with departures reaching +2 to +5°F in the Southwest. A vast cell of warmth, stretching from Hawaii to the West Coast, accounted for much of the early-season heat, which produced all-time April records at several locations.

Location	High (°F)/Date	Former Record/Date
Honolulu, HI	90°F on Apr. 8	89°F in 1990*
San Antonio, TX	101°F on Apr. 19	100°F on 4/20/1984*
Bethel, AK	60°F on Apr. 23	59°F in 1938
Monticello, UT	76°F on Apr. 24	76°F on 4/21/1989*
Riverside, CA (March A.F.B.)	98°F on Apr. 26	98°F in 1981
Midland, TX	101°F on Apr. 27	101°F on 4/21/1989
Honolulu, HI	91°F on Apr. 28	90°F on 4/25/1996*
Sacramento, CA (downtown)	97°F on Apr. 30	96°F in 1987*
Sacramento, CA (Exec. Airport)	94°F on Apr. 30	93°F in 1988*

* Temperature was also observed on earlier dates.

Snowfall finally yielded to spring in the Northeast after April 11, but not before a double-barreled storm lifted seasonal snowfall to record levels in another half-dozen locations. Seasonal snowfall records were broken on April 10 in Massachusetts at Worcester (132.9 inches) and the Blue Hill Observatory (143.8 inches); and 2 days earlier in Binghamton, NY (133.4 inches). An April-record 12.9 inches blanketed Providence, RI, all of which fell by April 11. Farther west, several storms traversed the Great Lakes States, dumping snowfall throughout the month. Seasonal records were eclipsed in Duluth, MN (April 12), Cleveland, OH (April 23), International Falls, MN (April 25), and Marquette, MI (April 30).

In Evansville, IN, the late-month storm delivered 7.92 inches of rain in a 24-hour period, breaking their all-time record. The storm also boosted Evansville's monthly total to an April-record 11.84 inches. A few days earlier, on April 19-21, rains across the Midwest and Southeast were accompanied by a barrage of severe weather, including more than 110 tornadoes. Wetness extended into the Northeast, where St. Johnsbury, VT (6.23 inches) also logged a record-wet April. A brief mid-month flood episode unfolded across New England after a 2- to 6-inch rainfall. Farther west, a snowmelt flood developed across the North Central States. On April 21, the Red River crested at 17.82 feet above flood stage at East Grand Forks, MN. Meanwhile in the Northwest, precipitation totaled more than twice normal in locations such as Astoria, OR (10.09 inches) and Seattle, WA (5.37 inches).

High winds swept the Plains and western Corn Belt on April 25, lifting dust from dry and open fields. Visibilities dropped below a mile in parts of Kansas, and peak wind gusts included 61 mph in Dodge City, KS, 68 mph in Pierre, SD, and an April-record 67 mph in Glasgow, MT. In Wichita, KS, winds gusted to 48 mph, 1 of 9 days during the month on which winds reached or exceeded 40 mph.

Only an early-month storm broke an otherwise dry pattern across Texas. In Midland, a 1.22-inch rainfall on April 4-5 accounted for 90 percent (%) of their year-to-date total, while a 9.3-inch snowfall in Abilene was their greatest 24-hour total on record. Farther north, however, precipitation totaled only 0.11 inches in Lubbock and a trace in Amarillo. Toward month's end, rain developed over eastern Kansas. In Wichita, 1.33 inches--more than 90% of the month's total--fell on April 27-28. Rain overspread Florida's Peninsula on April 30, accounting for more than three-fourths of the monthly totals in Melbourne (0.95 inches) and Orlando (0.68 inches).

Warm, dry weather covered Hawaii and most of Alaska. In Hawaii, Honolulu set or tied 21 daily-record highs and 4 April-record highs. Monthly temperatures averaged up to 5°F above normal in southwestern Alaska. Heavy precipitation was confined to the extreme south, where Kodiak received 9.74 inches (232% of normal), their second-wettest April.

Plains Drought Update

In Texas' Northern Panhandle, Amarillo's 211-day (October 3, 1995 - April 30, 1996) precipitation was the lowest on record (1.22 inches; 21% of normal), breaking the record of 2.52 inches, set between September 1954 and April 1955. In addition, Amarillo received only a trace of rain during April, tying the mark set in 1929 and 1964.

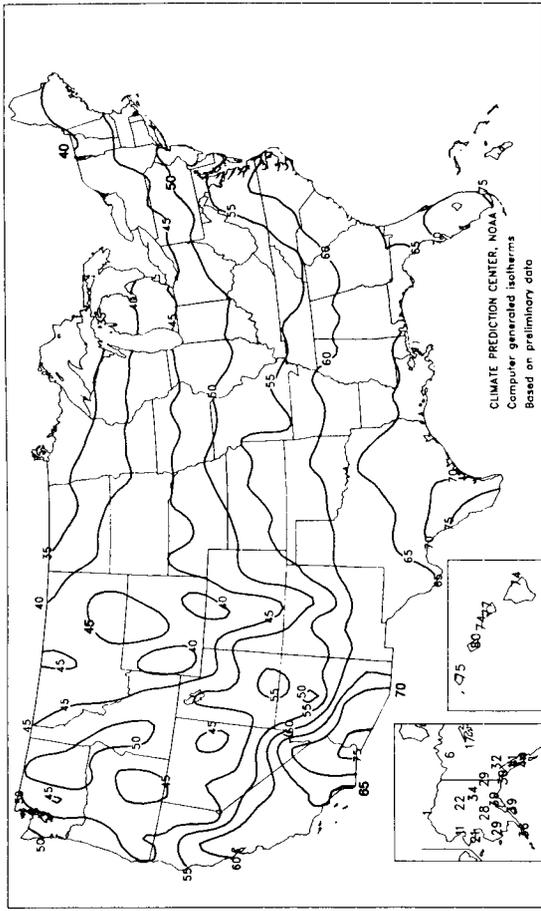
As of early May, severe drought extended as far northeast as Wichita, KS, where 7-month precipitation (through April 30) was 4.54 inches, or 42% of normal. The only other drier October-April period in Wichita was in 1966-67, when 3.23 inches fell. A distinguishing feature of the drought of 1995-96 has been high winds. In Wichita, winds during April averaged 15.4 mph--their windiest April since 1974--and peaked at or above 40 mph on 9 different days.

Drought developed in parts of southern Texas during the summer of 1994, persisted to some degree into 1995, and has begun to intensify again in recent months. (Much larger 2-year rainfall deficits have been observed across the northern third of Mexico.) Seven-month rainfall in San Antonio was 3.57 inches, ahead of only a 3.27-inch total in 1886-87. As a result of long-term drought, some reservoirs across southern Texas have dropped to record-low levels.

The International Amistad Reservoir, along the Rio Grande near Del Rio, has been setting record lows for many months now. The water line stands 43.49 feet below the conservation level, and holdings are at 36% of the conservation-pool capacity. South of San Antonio, the Choke Canyon Lake (on the Frio River) has fallen nearly 6 feet below the former record-low level set on July 15, 1990, and is 24.15 feet below the conservation-pool level (33% of capacity). Downstream from Choke Canyon, Lake Corpus Christi remains nearly 18 feet above the record-low elevation set on May 5, 1951, but has dropped 8.42 feet below the conservation-pool level (42% of capacity).

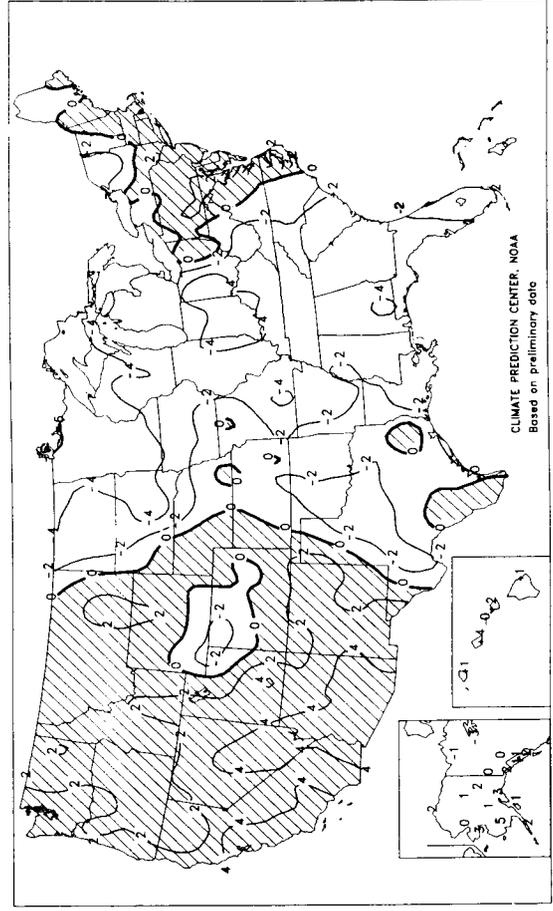
Average Temperature (°F)

APR 1996



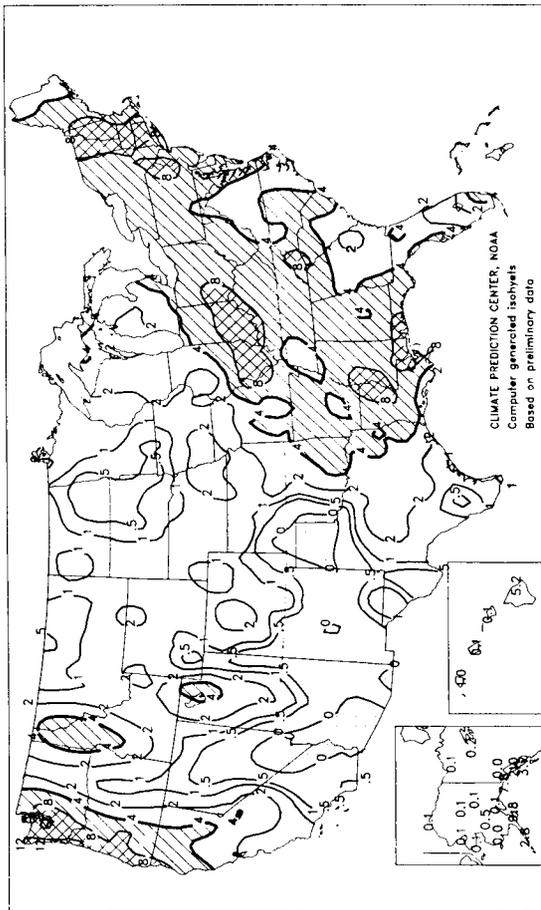
Departure of Average Temperature from Normal (°F)

APR 1996



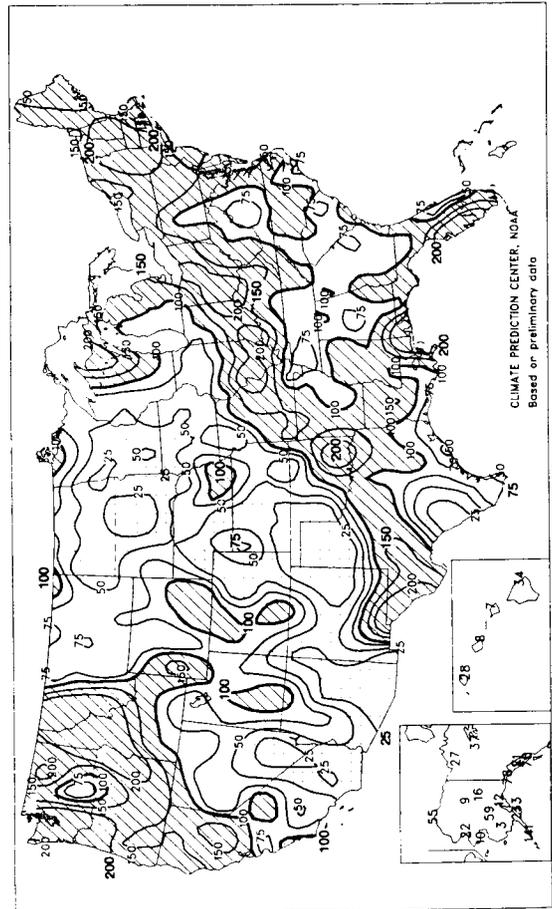
Total Precipitation (inches)

APR 1996



Percent Of Normal Precipitation

APR 1996



TEMPERATURE AND PRECIPITATION SUMMARY

April 1996

STATES AND STATIONS		TEMP. °F		PRECIP.		STATES AND STATIONS		TEMP. °F		PRECIP.		STATES AND STATIONS		TEMP. °F		PRECIP.	
		AVERAGE	DEPARTURE	TOTAL	DEPARTURE			AVERAGE	DEPARTURE	TOTAL	DEPARTURE			AVERAGE	DEPARTURE	TOTAL	DEPARTURE
AL	BIRMINGHAM	59	-3	2.70	-2.26	LA	BATON ROUGE	65	-4	5.90	0.53	OK	YOUNGSTOWN	46	-2	5.13	2.07
	HUNTSVILLE	58	-3	5.89	0.96		LAKE CHARLES	66	-2	1.93	-1.40		OKLAHOMA CITY	59	-2	2.00	-0.77
	MOBILE	64	-4	11.94	7.46		NEW ORLEANS	67	-1	3.87	-0.63	OR	TULSA	59	-2	1.40	-2.32
	MONTGOMERY	61	-2	4.17	-0.17		SHREVEPORT	64	-2	3.86	-0.10		ASTORIA	50	2	10.09	5.49
AK	ANCHORAGE	39	3	0.08	-0.59	ME	CARIBOU	39	1	3.59	1.14		BURNS	44	1	1.22	0.57
	BARROW	1	3	0.11	-0.09		PORTLAND	43	-1	6.44	2.36		MEDFORD	53	2	1.30	0.14
	FAIRBANKS	33	3	0.05	-0.27	MD	BALTIMORE	54	1	3.76	0.67		PENDLETON	52	2	1.24	0.20
	JUNEAU	41	1	2.19	-0.58		SALISBURY	54	1	5.30	2.10		PORTLAND	54	3	5.12	2.73
	KODIAK	39	1	9.74	5.54	MA	BOSTON	47	0	4.37	0.77	PA	SALEM	52	3	5.72	3.30
	NOME	21	4	0.07	-0.81		CHATHAM	..	..	..	..		ALLENTOWN	49	-1	5.53	2.01
AZ	FLAGSTAFF	46	3	0.07	-1.41	MI	ALPENA	37	-4	2.80	0.55		ERIE	44	-2	6.02	2.78
	PHOENIX	74	4	T	-0.22		DETROIT	46	-2	3.39	0.44		HARRISBURG	52	1	4.69	1.45
	PRESCOTT	57	..	0.70	-0.11		FLINT	42	-4	3.15	0.21		PHILADELPHIA	52	1	4.48	0.85
	TUSCON	69	3	T	-0.30		GRAND RAPIDS	43	-3	2.41	-0.96		PITTSBURGH	51	1	4.42	1.27
	WINSLOW	56	2	T	-0.26		HOUGHTON LAKE	37	-5	3.07	0.85		SCRANTON	47	-1	5.23	2.26
	YUMA	76	5	0.00	-0.14		LANSING	43	-2	3.58	0.66		WILLIAMSPORT	49	0	5.47	2.24
AR	FORT SMITH	60	-2	5.93	1.96		MARQUETTE	31	-6	6.50	3.86	RI	PROVIDENCE	48	1	4.87	0.76
	LITTLE ROCK	..	..	3.56	-1.52		MUSKOGON	42	-3	2.47	-0.43	SC	CHARLESTON	64	-1	2.71	0.04
CA	BAKERSFIELD	64	-1	0.16	-0.41		SAULT ST. MARIE	32	-6	4.21	1.86		COLUMBIA	62	-1	2.38	-0.80
	BISHOP	..	..	..	..	MN	ALEXANDRIA	37	-6	..	..		FLORENCE	62	-1	0.50	-2.26
	EUREKA	53	3	4.64	1.76		DULUTH	34	-5	1.63	-0.62		GREENVILLE	58	-2	3.09	-0.77
	FRESNO	64	3	1.20	0.23		INTL FALLS	32	-7	1.54	-0.04	SD	ABERDEEN	41	-4	0.15	-1.69
	LOS ANGELES	64	4	0.71	-0.01		MINNEAPOLIS	41	-5	0.76	-1.66		HURON	43	-3	0.21	-1.88
	REDDING	58	1	2.54	0.46		ROCHESTER	41	-4	1.53	-1.20		RAPID CITY	43	-2	1.82	-0.27
	SACRAMENTO	61	3	1.93	0.77		ST. CLOUD	38	-6	0.87	-1.69		SIOUX FALLS	42	-4	0.56	-1.97
	SAN DIEGO	65	3	0.36	-0.43	MS	GREENWOOD	62	-2	7.15	2.06	TN	BRISTOL	52	-3	3.56	0.25
	SAN FRANCISCO	59	4	1.40	0.03		JACKSON	62	-3	6.01	0.53		CHATTANOOGA	57	-2	4.23	-0.08
	SANTA MARIA	60	5	0.59	-0.40		MERIDIAN	61	-3	4.52	-0.94		KNOXVILLE	55	-3	4.80	1.08
CO	ALAMOSA	42	1	0.86	0.17		TUPELO	59	-3	6.07	0.82		MEMPHIS	60	-3	3.37	-2.09
	CO. SPRINGS	47	1	0.39	-0.80	MO	CAPE GIRARDEAU	55	-3	5.30	0.87		NASHVILLE	56	-3	3.67	-0.70
	DENVER	48	0	0.33	-1.38		COLUMBIA	52	-2	6.83	2.95	TX	ABILENE	63	-2	2.58	0.66
	GRAND JUNCTION	51	-2	0.90	-0.04		KANSAS CITY	53	-2	1.80	-1.32		AMARILLO	57	0	T	-0.99
	PUEBLO	51	-1	0.66	-0.22		SAINT LOUIS	55	-2	7.97	4.47		AUSTIN	69	-1	1.90	-0.66
CT	BRIDGEPORT	49	1	9.42	5.67		SPRINGFIELD	53	-3	5.18	1.23		BEAUMONT	67	-2	2.08	-1.43
	HARTFORD	49	1	6.97	3.12	MT	BILLINGS	47	-2	1.06	-0.68		BROWNSVILLE	72	-3	0.50	-1.06
DC	WASHINGTON	57	0	3.17	0.46		GLASGOW	43	-2	0.38	-0.31		CORPUS CHRISTI	70	-3	1.56	-0.16
FL	PANAMA CITY	64	-2	4.54	0.72		GREAT FALLS	44	1	1.40	-0.01		DEL RIO	71	0	0.62	-1.69
	DAYTONA BEACH	67	-2	2.22	-0.01		HAVRE	46	2	0.36	-0.58		EL PASO	65	2	0.49	0.29
	FT. MYERS	73	0	2.38	1.30		HELENA	44	1	0.63	-0.34		FORT WORTH	64	0	2.14	-1.56
	JACKSONVILLE	65	-3	2.85	0.33		KALISPELL	43	1	2.34	1.24		GALVESTON	69	-1	0.28	-2.15
	KEY WEST	76	-1	2.81	1.08		MILES CITY	46	0	0.92	-0.44		HOUSTON	69	1	2.05	-1.41
	MIAMI	72	1	3.37	0.52		MISSOULA	46	1	2.37	1.41		LAREDO	..	..	..	..
	ORLANDO	76	0	0.68	-1.12	NE	GRAND ISLAND	49	-2	2.65	0.15		LUBBOCK	61	0	0.11	-0.86
	TALLAHASSEE	62	-4	3.79	0.05		LINCOLN	50	-1	2.77	0.01		MIDLAND	64	-1	1.22	0.48
	TAMPA	70	-1	4.20	3.06		NORFOLK	46	-3	0.72	-1.57		SAN ANGELO	65	-2	2.38	0.71
	WEST PALM BEACH	73	-1	0.77	-2.17		NORTH PLATTE	47	-1	0.84	-1.15		SAN ANTONIO	69	0	0.89	-1.61
GA	ATHENS	59	-3	3.35	-0.64		OMAHA	49	-2	3.21	0.55		VICTORIA	69	0	2.47	-0.22
	ATLANTA	61	0	2.91	-1.35		SCOTTSBLUFF	47	0	0.91	-0.67		WACO	65	-2	2.74	-0.45
	AUGUSTA	61	-2	1.71	-1.60		VALENTINE	44	-4	1.27	-0.82	UT	WICHITA FALLS	62	-1	0.08	-2.88
	MACON	61	-3	2.59	-0.87		ELKO	45	1	0.78	-0.04		BLANDING	54	..	1.22	0.49
	SAVANNAH	56	-2	4.29	1.26	NV	ELY	43	2	0.51	-0.49		CEDAR CITY	49	2	0.64	-0.46
HI	HILO	74	2	6.26	-9.00		LAS VEGAS	69	5	T	-0.21		SALT LAKE CITY	51	1	2.20	0.08
	HONOLULU	80	4	0.13	-1.41		RENO	49	0	0.16	-0.22	VT	BURLINGTON	42	-1	6.12	3.36
	KAHULUI	77	3	0.13	-1.71		WINNEMUCCA	47	1	0.57	-0.27	VA	LYNCHBURG	56	0	2.01	-1.08
	LIHUE	75	1	1.26	-2.24	NH	CONCORD	44	0	6.10	3.19		NORFOLK	59	2	4.94	1.88
ID	BOISE	50	1	1.41	0.17	NJ	ATLANTIC CITY	51	1	4.46	0.90		RICHMOND	58	1	2.88	-0.08
	LEWISTON	51	1	2.77	1.84	NM	ALBUQUERQUE	58	2	T	-0.52		ROANOKE	56	1	1.78	-1.49
	POCATELLO	45	1	0.91	-0.29		CLOVIS	58	2	T	-0.81	WA	COLVILLE	..	..	..	..
IL	CAIRO	..	..	..	..		ROSWELL	63	2	0.12	-0.34		QUILLAYUTE	49	3	13.33	5.82
	CHICAGO	45	-3	2.60	-1.04	NY	ALBANY	46	0	6.34	3.35		SEATTLE-TACOMA	51	3	5.37	3.04
	MOLINE	47	-3	1.94	-1.96		BINGHAMTON	41	-3	6.18	3.05		SPOKANE	46	1	2.15	0.97
	PEORIA	48	-3	2.56	-1.22		BUFFALO	42	-3	5.63	2.76		WALLA WALLA	55	3	..	..
	QUINCY	49	-4	1.27	-2.45		NEW YORK	52	0	5.11	1.32		YAKIMA	50	0	0.22	-0.28
	ROCKFORD	45	-2	3.01	-0.64		ROCHESTER	43	-3	4.84	2.23	WV	BECKLEY	51	-1	3.09	-0.34
	SPRINGFIELD	49	-4	3.93	0.25		SYRACUSE	43	-3	4.28	0.95		CHARLESTON	54	-1	3.77	0.46
IN	EVANSVILLE	51	-6	11.84	7.64	NC	ASHEVILLE	54	-2	2.00	-1.89		ELKINS	49	0	3.43	..
	FORT WAYNE	47	-2	3.17	-0.21		CHARLOTTE	59	-1	4.41	1.73		HUNTINGTON	55	2	4.52	0.91
	INDIANAPOLIS	49	-3	7.02	3.32		GREENSBORO	56	-1	4.23	1.39		PARKERSBURG	53	-1	3.23	-0.33
	SOUTH BEND	48	-3	3.60	-0.22		HATTERAS	60	1	3.79	0.26	WI	GREEN BAY	41	-3	3.85	1.45
IA	DES MOINES	48	-3	2.12	-1.46		NEW BERN	63	2	2.18	-1.03		LACROSSE	45	-3	1.95	-0.93
	DUBUQUE	44	-4	2.09	-1.63		RALEIGH	58	-1	4.11	1.52		MADISON	42	-4	2.70	-0.48
	SIOUX CITY	46	-4	0.84	-1.50		WILMINGTON	62	2	2.50	-0.54		MILWAUKEE	42	-2	3.01	-0.49
	WATERLOO	45	-3	1.55	-1.75	ND	BISMARCK	40	-3	0.52	-1.15		WAUSAU	40	-4	2.63	-0.12
KS	CONCORDIA	53	0	1.88	-0.63		FARGO	38	-5	0.21	-1.61	WY	CASPER	43	1	1.39	-0.17
	DODGE CITY	54	0	0.54	-1.51		GRAND FORKS	35	-6	0.57	-0.78		CHEYENNE	43	0	1.51	0.14
	GOODLAND	50	0	1.22	-0.08		WILLISTON	39	-4	0.54	-0.74		LANDER	44	1	0.76	-1.32
	TOPEKA	54	-1	1.57	-1.51	OH	AKRON-CANTON	46	-2	4.79	1.63		SHERIDAN	46	2	0.88	-0.84</

National Agricultural Summary

April 29 - May 5, 1996

HIGHLIGHTS

Thunderstorms in the lower Ohio and middle Mississippi Valleys caused flooding and delayed planting. The downpours caused streams to rise and bottom land to flood, and limited days suitable for fieldwork in the eastern Corn Belt. Across the Southeastern States, rains slightly delayed fieldwork but improved crop conditions. Southwestern ranchers reported that the dry conditions are the worst they have ever experienced. Across the Southwest, pastures, stock tanks, and springs were drying up and fires

ravaged grazing areas. Crop development and emergence were slowed by cool weather in the middle Mississippi Valley, although soil temperatures in the 40's did not deter farmers from planting. Rain in the central Great Plains improved crop prospects and aided germination of recently planted row crops. Cold weather prevented soils from drying in the Great Lakes region and the saturated fields prevented field preparation.

The Nation's **winter wheat** crop was evenly split between poor and fair condition, with 24 percent (%) of the acreage heading. Winter wheat conditions in Kansas and Texas were split between very poor and poor. The recent rains in Kansas arrived too late to revive wheat fields that were damaged by wind, dry weather, and freezing temperatures. In Illinois, the recent rains improved wheat condition from last week, but the crop condition was mostly poor to very poor. In Arkansas, some wheat fields were treated for armyworms. Wheat producers in the middle Mississippi Valley and the Great Lakes region tilled wheat fields and replanted them to alternative crops.

Spring wheat seeding was 22% complete, up 12 percentage points from last week and 30 points below the 5-year average. Spring wheat planting in North Dakota, at 8% complete, was 32 points behind the average due to cool weather and wet fields. Some small grain fields in South Dakota were replanted after being damaged by strong winds. In Minnesota, 12% of the acreage was seeded, 39 points behind the average.

Corn planted was 41% complete for the 17 major producing States, up 19 points from the previous week and 10 points ahead of the average. Corn planting progress in Ohio, at 4% complete, remained unchanged from last week due to the heavy thunderstorms, leaving the State 27 points behind the average. Corn planting in Iowa, at 54% complete, was up 31 points from last week and 25 points ahead of normal. Minnesota and Nebraska

corn producers completed planting 32% and 60%, respectively, of their corn acreage, an increase of over 30 points from last week. Wet fields and flooding limited corn planting in Illinois, where some producers hoped for higher soil to aid emergence.

Cotton planting was 33% complete, up 14 points from last week and 4 points behind the average for the Nation. Cotton planting was behind normal in the Delta. Texas cotton planting progressed to 22% complete, up 5 points from last week, 3 points behind normal. Cotton producers started planting in the Texas High Plains and replanting some fields in the Coastal Bend. Cotton planting was winding down in California's Sacramento Valley, with some fields replanted due to poor germination caused by disease and low soil temperatures.

Sorghum planting was 23% complete for the 12 major producing States, up 5 points from last week. Some sorghum fields in Arkansas were treated for greenbugs. In Texas, sorghum planting was 60% complete, 6 points behind normal. Moisture was needed in Texas sorghum fields for progress to continue.

Rice seeding was 62% complete, up 14 points from last week and 6 points ahead of the average for the five major producing States. Louisiana rice producers reported problems with salt water in their irrigation systems. Rice planting in Texas was 85% complete, up 6 points from last week and 8 points ahead of the average.

Crop Progress and Condition

Week Ending May 5, 1996

Winter Wheat Percent Headed

	May 5 1996	Prev Week	Prev Year	5-Yr Avg
AR	66	36	97	89
CA	97	95	96	95
CO	0	0	0	0
GA	92	71	97	97
ID	0	0	0	0
IL	0	0	13	5
IN	0	0	11	3
KS	9	0	17	22
MI	0	0	0	0
MO	3	0	30	18
MT	0	0	0	0
NE	0	0	0	0
NC	68	33	85	74
OH	0	0	0	0
OK	57	27	77	74
OR	0	0	0	1
SD	0	0	0	0
TX	60	43	61	59
WA	0	0	0	1
ALL	24	13	32	31

These 19 States produced 92% of the 1995 winter wheat crop.

Soybeans Percent Planted

	May 5 1996	Prev Week	Prev Year	5-Yr Avg
AL	9	NA	NA	NA
AR	10	NA	NA	NA
GA	3	NA	NA	NA
IL	3	NA	NA	NA
IN	2	NA	NA	NA
IA	4	NA	NA	NA
KS	8	NA	NA	NA
KY	0	NA	NA	NA
LA	11	NA	NA	NA
MI	0	NA	NA	NA
MN	2	NA	NA	NA
MS	29	NA	NA	NA
MO	4	NA	NA	NA
NE	2	NA	NA	NA
NC	5	NA	NA	NA
OH	0	NA	NA	NA
SC	4	NA	NA	NA
SD	0	NA	NA	NA
TN	1	NA	NA	NA
ALL	4	NA	NA	NA

These 19 States produced 94% of the 1995 soybean crop.

Corn Percent Planted

	May 5 1996	Prev Week	Prev Year	5-Yr Avg
CO	77	37	12	38
GA	96	93	97	97
IL	49	29	14	35
IN	8	7	14	24
IA	54	23	8	29
KS	85	60	26	54
KY	30	26	66	51
MI	1	0	9	8
MN	32	0	24	24
MO	77	69	26	38
NE	60	26	5	30
NC	90	78	92	84
OH	4	4	7	31
PA	12	5	24	16
SD	19	2	1	12
TX	88	74	86	87
WI	5	1	10	12
ALL	41	22	17	31

These 17 States produced 91% of the 1995 corn crop.

Cotton Percent Planted

	May 5 1996	Prev Week	Prev Year	5-Yr Avg
AL	49	22	57	56
AZ	91	86	90	82
AR	25	5	18	28
CA	90	65	57	84
GA	39	18	54	42
LA	27	6	56	54
MS	37	4	40	41
MO	12	2	6	13
NM	67	40	53	67
NC	34	14	38	32
OK	1	0	5	5
SC	48	26	38	42
TN	14	3	19	21
TX	22	17	26	25
ALL	33	19	36	37

These 14 States produced 99% of the 1995 cotton crop.

Rice Percent Planted

	May 5 1996	Prev Week	Prev Year	5-Yr Avg
AR	61	45	70	57
CA	10	1	7	15
LA	83	72	81	76
MS	79	58	84	59
TX	85	79	74	77
ALL	62	48	64	56

These 5 States produced 96% of the 1995 rice crop.

Rice Percent Emerged

	May 5 1996	Prev Week	Prev Year	5-Yr Avg
AR	31	13	51	36
CA	0	0	0	0
LA	68	59	71	52
MS	61	30	63	33
TX	73	65	57	51
ALL	41	27	49	35

These 5 States produced 96% of the 1995 rice crop.

Spring Wheat Percent Planted

	May 5 1996	Prev Week	Prev Year	5-Yr Avg
ID	74	67	82	82
MN	12	3	12	51
MT	39	16	58	66
ND	8	2	6	40
SD	60	34	14	70
ALL	22	10	23	52

These 5 States produced 96% of the 1995 spring wheat crop.

Spring Wheat Percent Emerged

	May 5 1996	Prev Week	Prev Year	5-Yr Avg
ID	51	NA	NA	NA
MN	1	NA	NA	NA
MT	2	NA	NA	NA
ND	0	NA	NA	NA
SD	5	NA	NA	NA
ALL	3	NA	NA	NA

These 5 States produced 96% of the 1995 spring wheat crop.

Sorghum Percent Planted

	May 5 1996	Prev Week	Prev Year	5-Yr Avg
AR	57	43	49	50
CO	0	0	1	3
IL	0	0	0	2
KS	7	1	1	2
LA	51	39	42	47
MS	66	60	61	53
MO	9	6	9	10
NE	2	0	0	0
NM	1	1	1	6
OK	8	3	8	9
SD	0	0	0	0
TX	60	53	65	66
ALL	23	18	22	23

These 12 States produced 98% of the 1995 sorghum crop.

Crop Progress and Condition

Week Ending May 5, 1996

Oats Percent Planted				
	May 5 1996	Prev Week	Prev Year	5-Yr Avg
IA	96	88	70	79
MI	22	20	58	46
MN	58	13	40	59
NE	99	96	80	90
ND	5	1	4	36
OH	51	43	62	77
PA	59	41	73	68
SD	53	30	10	63
WI	28	20	42	45
ALL	51	36	42	59

These 9 States produced 56% of the 1995 oat crop.

Oats Percent Emerged				
	May 5 1996	Prev Week	Prev Year	5-Yr Avg
IA	52	NA	NA	NA
MI	0	NA	NA	NA
MN	6	NA	NA	NA
NE	79	NA	NA	NA
ND	0	NA	NA	NA
OH	28	NA	NA	NA
PA	30	NA	NA	NA
SD	10	NA	NA	NA
WI	4	NA	NA	NA
ALL	20	NA	NA	NA

These 9 States produced 56% of the 1995 oat crop.

Peanuts Percent Planted				
	May 5 1996	Prev Week	Prev Year	5-Yr Avg
AL	29	14	40	43
FL	35	9	NA	NA
GA	41	19	59	48
NC	10	5	11	16
OK	9	0	1	5
SC	55	*16	36	50
TX	6	5	3	4
VA	25	6	31	26
ALL	27	12	32	31

These 8 States produced 99% of the 1995 peanut crop.

Barley Percent Planted				
	May 5 1996	Prev Week	Prev Year	5-Yr Avg
ID	65	51	66	75
MN	6	1	11	44
MT	35	18	55	62
ND	5	0	3	39
SD	39	14	5	62
WA	58	40	82	84
ALL	25	14	30	53

These 6 States produced 82% of the 1995 barley crop.

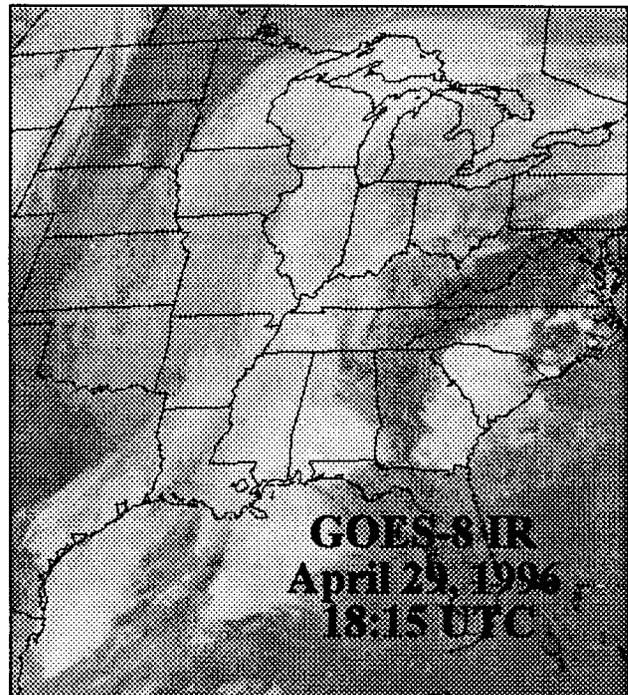
Barley Percent Emerged				
	May 5 1996	Prev Week	Prev Year	5-Yr Avg
ID	34	NA	NA	NA
MN	1	NA	NA	NA
MT	5	NA	NA	NA
ND	0	NA	NA	NA
SD	2	NA	NA	NA
WA	40	NA	NA	NA
ALL	8	NA	NA	NA

These 6 States produced 82% of the 1995 barley crop.

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

*Revised

Winter Wheat Crop Condition by Percent					
	VP	P	F	G	EX
AR	0	1	16	75	8
CA	0	0	5	60	35
CO	20	26	35	16	3
GA	1	3	19	69	8
ID	0	1	8	57	34
IL	31	33	24	11	1
IN	13	27	36	19	5
KS	31	31	27	11	0
MI	14	23	40	20	3
MO	25	31	30	13	1
MT	3	14	26	48	9
NE	10	26	46	18	0
NC	0	3	28	60	9
OH	10	24	39	24	3
OK	25	33	29	12	1
OR	0	0	4	40	56
SD	15	25	35	23	2
TX	36	36	22	6	0
WA	0	0	7	81	12
ALL	22	26	26	22	4
Prev Wk	20	26	27	22	5
Prev Yr	5	11	26	47	11



State Agricultural Summaries

These summaries, issued weekly through the summer growing season, 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. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at "http://www.usda.gov/nass/."

ALABAMA: Days suitable for fieldwork 4.9. Topsoil moisture 3% short, 89% adequate, 8% surplus. Spring plowing 83% complete, 90% 1995, 85% avg. Corn 90% planted, 93% 1995, 85% avg. Wheat 74% headed, 87% 1995, 81% avg.; 1% very poor, 15% poor, 39% fair, 34% good, 11% excellent. Pasture feed 7% poor, 40% fair, 45% good, 8% excellent. Livestock 5% poor, 56% fair, 34% good, 5% excellent. Activities: Planting row crops, cool season vegetables, ground preparation for spring planting, general care of livestock, poultry, catfish.

ARIZONA: Western cotton has begun squaring, planting continues. Small grain harvest has begun, with one positive pre-harvest test for kernel bunt. Small grains headed 100%, 99% 1995, 98% avg.; 3% fair, 41% good, 56% excellent. Alfalfa harvest 1% light, 36% moderate, 40% active, 23% not being harvested; 2% fair, 34% good, 64% excellent. Quality continues to increase. Western vegetable growers harvested cabbage, salad savory, head lettuce in decreasing amounts. They also harvested dry onions, potatoes. Potatoes, dry onions, carrots, cabbage, head lettuce, mixed greens, kale, artichokes, turnips were harvested in central areas. Tomatoes, head lettuce were available eastern areas. Grapefruit, tangerines, Valencia oranges were harvested by central, western citrus growers. Peach harvest progressed in western, central growing areas. Extremely dry conditions across State have forced cattlemen to increase supplemental feeding activities, begin hauling water to their herds. Range, pasture conditions were downgraded significantly from a month ago. Very poor to poor 85% of the grazing land. Only 12% rated fair. A few long time ranchers reported to have never experienced conditions as dry as they are right now. Low to mid-elevation mesquites were providing some new feed for the cattle. Cattle, calves rated mostly poor as some weaker cows were unable to feed their calves, livestock were too weak to get out of muddy watering holes. Stock water, soil moisture supplies remained mostly short in all areas of the State. Grasshoppers reported in northern areas, damage has been limited.

ARKANSAS: Days suitable for fieldwork 6. Soil moisture 18% short, 72% adequate, 10% surplus. Main farm activities: Planting, field preparation for planting cotton, corn, rice, sorghum, early soybeans, applying fertilizers, herbicides to wheat, fertilizing cool season grasses. Lonoke, Phillips county reported sorghum fields were being treated for greenbugs. Lonoke county also report wheat fields were being treated for armyworms. Tomato planting has begun in Cleburne county. Drew county reported pruning, staking tomatoes, tomato fruit setting, transplanting melons. Strawberry harvest underway in Lincoln county.

CALIFORNIA: Field activities progressed rapidly as favorable weather conditions prevailed. Small grains neared maturity in central, southern counties. Growers expressed concerns that lodging may cause harvest problems in the southern San Joaquin Valley. Desert area wheat harvest gained momentum. Cotton planting was winding down in the Sacramento, San Joaquin Valleys. Some fields were replanted due to poor germination caused by early season low soil temperatures, disease problems. Emerging fields were irrigated, weeded, treated for mites. Rice field preparation remained active in most growing areas. Rice planting was in full swing in the Sacramento Valley, had not started in the San Joaquin Valley. Emerged fields were sprayed for weeds, water weevils. Sugar beet harvest was ongoing. Corn, dry beans, safflower, sunflowers were planted. Grain sorghum was treated for aphids. Garbanzo beans were blooming in Fresno County. Seed alfalfa was mowed, baled. Small grains, winter forage, alfalfa cut for hay or green chopped. Mowing, discing, fertilizing, irrigating, thinning, spraying continued in orchards, vineyards. San Joaquin Valley cherry harvest continued. Peaches, nectarines were picked in Kern County. Pecans, kiwifruit, pomegranates, pistachios were in bloom. Walnuts were sprayed for blight. Plums, nectarines were sprayed for worms, thrips; apples, walnuts, pears for codling moths; prunes for aphids. Strawberry harvest was in full swing. Valencia orange harvest continued, while navel orange harvest was drawing to a close. Cauliflower, broccoli were harvested in Monterey County. In Kings County the head lettuce harvest was finished. Tomatoes were planted, irrigated. Asparagus harvest progressed normally.

Kern County potatoes were harvested. A variety of squashes were harvested under excellent conditions. Sweet corn was developing slightly ahead of normal. Various other vegetables were harvested. Warm temperatures causing rangeland grasses to dry rapidly. Some areas turning brown. Quality was gradually deteriorating as grasses dried. Supplemental feeding remained light. Newborn calves, lambs were doing well. Livestock remained in good condition.

COLORADO: Days suitable for fieldwork 6.5. Topsoil moisture 24% very short, 45% short, 30% adequate, 1% surplus. Subsoil moisture 20% very short, 39% short, 40% adequate, 1% surplus. Spring barley 92% seeded, 57% 1995, 63% avg.; 70% emerged, 27% 1995, 33% avg.; 2% very poor, 5% poor, 21% fair, 62% good, 10% excellent. Oats 84% seeded, 49% 1995, 59% avg.; 53% emerged, 21% 1995, 33% avg.; 1% very poor, 12% poor, 26% fair, 48% good, 13% excellent. Dry onions 1% very poor, 4% poor, 16% fair, 66% good, 13% excellent. Spring wheat 77% planted, 30% 1995, 36% avg.; 45% emerged, 13% 1995, 13% avg. Sugar beets 3% very poor, 4% poor, 25% fair, 56% good, 12% excellent. About 18% of the sugarbeet acreage had to be replanted as a result of freeze damage 28th, 29th. Winter wheat 1% pastured, 3% 1995, 4% avg.; 44% jointed, 51% 1995, 40% avg. Summer potatoes 97% planted, 42% 1995, 60% avg. Fall potatoes 35% planted, 4% avg. Cows 95% calved, 90% 1995, 88% avg. Ewes 91% lambed, 87% 1995, 89% avg. Livestock death losses are average. Some additional frost damage occurred 29th to fruit trees on the western Slope.

DELAWARE: Days suitable for fieldwork 4.3. Topsoil moisture 78% adequate, 22% surplus. Subsoil 82% adequate, 18% surplus. Winter wheat 9% poor, 39% fair, 42% good, 10% excellent. Barley 5% poor, 27% fair, 65% good, 3% excellent; 62% headed, 92% 1995, 57% avg. Corn 40% planted, 33% 1995, 43% avg. Sweet corn 28% planted, 30% 1995, 37% avg. Potatoes 89% planted 99% 1995, 91% avg. Green peas 98% planted, 95% 1995, 84% avg. Cantaloupe 5% planted, 2% 1995, 6% avg. Watermelons 5% planted, 7% avg. Apples 68% bloomed, 76% 1995, 77% avg. Peaches 89% bloomed, 89% 1995, 93% avg. Strawberries 61% bloomed, 64% 1995, 60% avg. Hay supplies 17% very short, 41% short, 42% adequate. Acreage prepared for spring planting 77%. Activities: Preparation for planting continues; planting continues with several crops rebounding from slow starts.

FLORIDA: Topsoil moisture adequate throughout State with scattered areas of short or surplus. Rains, cool weather delaying peanut planting. Peanuts 35% planted. Growers starting to plant cotton. Scattered rainfall, warm temperatures boosted plant growth, fruit development in both northern, southern vegetable areas. Watermelon picking underway around Immokalee. Squash harvest underway in north. Vegetable volume leaders: tomatoes, potatoes, sweet corn, cucumbers, peppers, cabbage, squash, snap beans, celery, eggplant. Citrus groves dry, irrigation all areas. Abundant new growth in well-cared-for groves. Trees shedding unwanted little green fruit that they cannot carry for next season. Valencia harvest very active. Most oranges going to the processors. Grapefruit movement very slow as supplies are limited all areas. Caretakers cutting cover crops, spraying, hedging, topping. Pasture feed: very poor 0%, poor 10%, fair 40%, good 45%, excellent 5%. Pasture growth improved north, central due to recent rains. Cattle herds poor 5%, fair 40%, good 50%, excellent 5%.

GEORGIA: Days suitable for fieldwork 4.8. Soil moisture 7% short, 79% adequate, 14% surplus. Corn 1% poor, 22% fair, 70% good, 7% excellent; 96% planted, 97% 1995, 97% avg. Cotton 3% poor, 33% fair, 60% good, 4% excellent; 39% planted, 54% 1995, 42% avg. Hay 1% very poor, 5% poor, 38% fair, 54% good, 2% excellent. Peanuts 1% poor, 45% fair, 52% good, 2% excellent; 41% planted, 59% 1995, 48% avg. Sorghum 26% fair, 71% good, 1% excellent; 29% planted, 30% 1995, 31% avg. Soybeans 3% planted, 10% 1995, 5% avg. Tobacco 4% poor, 47% fair, 45% good, 4% excellent; 100% transplanted, 98% 1995, 99% avg. Wheat 1% very poor, 3% poor, 19% fair, 69% good, 8% excellent; 99% boot, 100% 1995, 100% avg.;

92% headed, 97% 1995, 97% avg. Onions 9% very poor, 27% poor, 39% fair, 25% good, 5% harvested, 45% 1995, 40% avg. Watermelons 9% poor, 29% fair, 57% good, 5% excellent; 93% planted, 96% 1995, 95% avg. Apples 4% fair, 96% good, 99% blooming, 100% 1995, 99% avg. Peaches 77% very poor, 14% poor, 6% fair, 3% good, 0% excellent; 3% harvested, 2% 1995, 3% avg. Pasture feed 3% poor, 39% fair, 53% good, 5% excellent. Soil moisture supplies improved over last week. Rains caused only short delays in fieldwork. Good progress made in planting row crops. Generally, crop conditions improved with warm temperatures and rainfall. Other Activities: Cutting hay and silage; fertilizing hay fields and pastures; spraying fungicides and insecticides on wheat; applying herbicides to cotton and peanuts; cultivating and side dressing corn; and spraying tobacco for budworms.

HAWAII: Crops helped by cooler temperatures, occasional rain. Overall conditions improved; fair to good. Head cabbage good; production moderate to heavy. Cucumber declining some areas. Tomato production moderate. Banana, Papaya production light, heavy disease on Oahu and Hawaii islands. Watermelon harvest started. Ginger root sprouting.

IDAHO: Days suitable for fieldwork 4.9. Below normal temperatures continue. Topsoil moisture 6% short, 70% adequate, 24% surplus. Potatoes planted 44%, 33% 1995, 42% avg. Potatoes emerged 1%, 1% 1995, 1% avg. Winter wheat jointed 41%. Spring wheat jointed 5%. Barley jointed 2%. Oats planted 47%, 51% 1995, 57% avg. Oats emerged 22%, 18% 1995, 35% avg. Dry beans planted 6%, 4% 1995, 2% avg. Dry peas planted 15%, 51% 1995, 53% avg. Dry peas emerged 7%, 29% 1995, 28% avg. Sugar beets planted 96%, 96% 1995, 96% avg. Sugar beets emerged 37%, 32% 1995, 51% avg. Field corn planted 38%, 15% 1995, 21% avg. Lentils planted 3%, 16% 1995, 44% avg. Lentils emerged 1%, 21% avg. Onions planted 100%, 96% 1995, 96% avg. Onions emerged 94%, 64% 1995, 66% avg. Hay and roughage supply 19% short, 73% adequate, 8% surplus. Pasture feed and range 5% fair, 61% good, 34% excellent. Irrigation water supply 38% good, 62% excellent. Activities: Planting potatoes, corn, spring grains, moving livestock to spring ranges, irrigating small grains and sugar beets, sorting, cutting, hauling seed potatoes, spraying for weeds and insects.

ILLINOIS: Days suitable for fieldwork 2.0. Topsoil moisture 9% short, 55% adequate, 36% surplus. Corn planting continued to make significant progress except in south where wet fields and flooding limited field activities. Wet weather has producers concerned about timely planting. Warmer weather needed for emergence and good growth. Excessive moisture and flooding stopped most fieldwork in south. Some corn planted 2 weeks ago will need replanting. Soybean planting began for most of state. Activities: Planting, spraying, spring tillage, applying chemicals, finding corn seed supplies. Oats 96% seeded, 78% 1995, 80% avg. Alfalfa 2% very poor, 13% poor, 42% fair, 41% good, 2% excellent. Red clover 3% very poor, 18% poor, 42% fair, 32% good, 5% excellent.

INDIANA: Days suitable for fieldwork 0.6. Topsoil moisture 30% adequate, 70% surplus. Subsoil moisture 5% short, 47% adequate, 48% surplus. Winter wheat 47% jointed, 89% 1995, 62% avg. Wet soil conditions slowed planting of corn and soybeans. Flooding in some central and southern areas. Winter wheat continues to look better in some fields. Livestock improving as forage greens up. Activities: Applying anhydrous ammonia, spreading fertilizer, tiling, ditching, seeding oats, transplanting tobacco, discing, chisel plowing, purchasing supplies, hauling manure, care of livestock.

IOWA: Days suitable for fieldwork 3.8. Topsoil moisture very short 1%, short 19%, adequate 77%, surplus 3%. Subsoil moisture very short 3%, short 36%, adequate 60%, surplus 1%. Beneficial rains fell over a good portion of State the last week and a half, aiding soil moisture conditions, crop development; however, unseasonably cool weather continues to slow crop emergence, hay and pasture development. Several reporters, including a few in the southern districts, mentioned that soil temperatures remain in the mid 40's; nevertheless, farmers going ahead with planting activities. Corn emergence 1%, 3% avg. 1996 row crops primary seedbed preparation completed 85%, 59% 1995, 68% avg; fertilizer application completed 87%, 64% 1995, 72% avg. Winter wheat 3% very poor, 15% poor, 49% fair, 32% good, 1% excellent. Hay 6% very poor, 24% poor, 43% fair, 26% good, 1% excellent. Livestock mostly good. Calving season is drawing to a close, most reporters agree that it has been a good season with a low percentage of

death loss. The southwest district reports heavy scour problems in calves due to large temperature swings. The three southern districts all had reports of short hay supplies. Many cows, calves moving to market in the south central district as a result of high feed costs, lack of hay, and low livestock prices.

KANSAS: Days suitable for fieldwork 4.2. Topsoil moisture 18% very short, 35% short, 44% adequate, 3% surplus. Wheat progress is well behind normal due to cold weather and lack of moisture. Recent rains across the State have alleviated dry conditions in many areas. Prospects for continued rains are good. Rains came too late to help much of the poorest wheat which had been too badly damaged by wind, freezing temperatures, and extremely dry conditions to recover. Brown wheat mites, armyworms, and greenbugs remain active in the southern areas. Corn, sorghum and soybean planting are progressing well. All are well ahead of average. Even though pastures are short, cattle are being moved to grass because hay supplies are running out. Pasture condition improved only very slightly from the previous week but will no doubt make dramatic improvements in coming weeks if rains continue. Activities: Corn, sorghum, soybean planting, chemical application, spring tillage, spraying wheat for weeds, insects, moving cattle to grass.

KENTUCKY: Days suitable for fieldwork 1.9. Topsoil moisture 1% short, 53% adequate, 46% surplus. Subsoil moisture 1% short, 58% adequate, 41% surplus. Field activities: Plowing for corn, tobacco and applying chemicals. Farmers worked with tobacco plants. Tobacco plants range in development with some greenhouse/floatbed plants ready to set while some conventional beds just germinating. Plants in beds 56% less than 2 in., 32% 2 to 4 in., 12% over 4 in. Planted corn emerged 47%, 61% 1995, 35% avg. Emerged corn 4% very poor, 15% poor, 43% fair, 34% good, 4% excellent. Winter wheat heading 10%, 78% 1995, 50% avg. Winter wheat 5% very poor, 13% poor, 38% fair, 39% good, 5% excellent. Hay crops 2% very poor, 13% poor, 46% fair, 34% good, 5% excellent. Pastures 2% very poor, 12% poor, 42% fair, 38% good, 6% excellent.

LOUISIANA: Days suitable for fieldwork 5.1. Soil moisture 1% very short, 19% short, 71% adequate, 9% surplus. Corn 2% poor, 35% fair, 58% good, 5% excellent. Cotton 6% emerged, 33% 1995, 33% avg. Cotton growers resumed planting as fields dried. Hay first cutting 13%, 8% 1995, 12% avg. Rice 10% poor, 51% fair, 36% good, 3% excellent. Rice producers in the southwestern part of the state reported problems with salt water in their irrigation systems. Sorghum 39% emerged, 33% 1995, 36% avg. Sorghum planting was in full swing. Spring plowing 98% plowing, 90% 1995, 86% avg. Sugarcane 9% very poor, 14% poor, 40% fair, 34% good, 3% excellent. Sugarcane began to show signs of recovering from March's freeze. Sweetpotatoes 2% planted, 2% 1995, 5% avg. Wheat 3% very poor, 14% poor, 53% fair, 29% good, 1% excellent; 98% headed, 95% 1995, 93% avg.; 22% turning, 44% 1995, 42% avg. Wheat slowly improving. Livestock 1% very poor, 10% poor, 42% fair, 42% good, 5% excellent. Cattlemen busy weaning, marketing fall calves. Vegetables 8% poor, 41% fair, 46% good, 5% excellent. Vegetable producers remained active side-dressing pepper and cabbage plants. Pasture feed 2% very poor, 9% poor, 39% fair, 48% good, 2% excellent. Pasture fertilization was active.

MARYLAND: Days suitable for fieldwork 4.8. Topsoil moisture 4% short, 71% adequate, 25% surplus. Subsoil moisture 1% short, 84% adequate, 15% surplus. Winter Wheat 16% very poor, 12% poor, 32% fair, 34% good, 6% excellent; 11% Headed, 24% 1995, 20% avg. Barley 19% very poor, 9% poor, 23% fair, 43% good, 6% excellent; 71% headed, 91% 1995, 72% avg. Rye 7% very poor, 7% poor, 18% fair, 63% good, 5% excellent; 68% headed, 49% 1995, 49% avg. Corn 45% planted, 46% 1995, 38% avg. Soybeans 5% planted, 1% 1995, 1% avg. Sweet corn 32% planted, 43% 1995, 33% avg. Tomatoes 71% planted, 37% 1995, 41% avg. Cantaloupe 65% planted, 33% 1995, 23% avg. Watermelons 53% planted, 23% 1995, 19% avg. Hay supplies 13% very short, 41% short, 45% adequate, 1% surplus. Acreage prepared for spring planting 50%. Apples 62% bloomed, 73% 1995, 73% avg. Peaches 90% bloomed, 64% 1995, 92% avg. Strawberries 53% bloomed, 79% 1995, 64% avg. Activities: Preparation for planting, planting of crops continues; most plantings in full swing catching up to or moving ahead of average.

MICHIGAN: Days suitable for fieldwork was 2.0. Topsoil moisture 2% short, 55% adequate, 43% surplus. Subsoil moisture short, 7% short, 66% adequate, 27% surplus. Potatoes planted 10% 1996, 22% 1995, 18% avg.

Sugar beets planted 5% 1996, 63% 1995, 41% avg. Winter wheat continued to decline. Reported producers possibly destroying some wheat fields, replanting an alternate crop. Some winter damage evident in alfalfa. Livestock normal, feed supplies adequate. Pastures continued to be sort because of cold weather, hay supplemented. Major activities: Minimal planting, hauling manure, spraying fruit trees, patiently awaiting warm weather.

MINNESOTA: Days suitable for fieldwork 4.1. Topsoil moisture 4% short, 65% adequate, 31% surplus. Corn 52% ground prepared, 33% 1995, 43% 5 yr. avg.; 32% planted, 24% 1995, 24% 5 yr. avg. Soybeans 9% ground prepared, 8% 1995, 13% 5 yr. avg.; 2% planted, 2% 1995, 4% 5 yr. avg. Spring wheat 12% planted, 12% 1995, 51% 5 yr. avg.; 1% emerged, 2% 1995, 23% 5 yr. avg. Oats 58% planted, 40% 1995, 59% 5 yr. avg.; 6% emerged, 11% 1995, 22% 5 yr. avg. Barley 6% planted, 11% 1995, 44% 5 yr. avg.; 1% emerged, 1% 1995, 11% 5 yr. avg. Sugar beets 11% planted, 21% 1995, 40% 5 yr. avg. Green peas 34% planted, 29% 1995, 37% 5 yr. avg. Potatoes 8% planted complete, 18% 1995, 19% 5 yr. avg. Flax 4% 5 yr. avg. Dry edible beans 3% 5 yr. avg. Sweet corn 7% planted, 7% 1995, 10% 5 yr. avg. Pasture 9% very poor, 17% poor, 42% fair, 30% good, 2% excellent. Winter wheat 1% very poor, 3% poor, 50% fair, 44% good, 2% excellent. Rye 2% very poor, 28% poor, 51% fair, 18% good, 1% excellent. Alfalfa 8% very poor, 11% poor, 46% fair, 33% good, 2% excellent.

MISSISSIPPI: Days suitable for fieldwork 5.2. Cotton 37% planted, 40% 1995, 41% avg.; rice 79% planted, 84% 1995, 59% avg.; 61% emerged, 63% 1995, 33% avg.; sorghum 66% planted, 61% 1995, 53% avg.; pasture feed 8% poor, 46% fair, 33% good, 13% excellent.

MISSOURI: Days suitable for fieldwork 2.2. Topsoil moisture supply, 2% very short, 15% short, 61% adequate, 22% surplus. Strong thunderstorms moved across the state during the past week, slowing fieldwork, but providing beneficial rainfall. Flooding reported in the east-central district causing problems. Farmers in the northern third of the state were able to make some progress with corn, soybean planting, while producers in other areas of the state were limited in planting, fieldwork progress. Percent of corn planted ranges from around 40% east-central and south-central to over 90% southeast and southwest. Minor frost damage reported. Sorghum planting is just beginning in the state, led by 15% reported planted in the Bootheel. Most areas of the state indicate wheat condition 70% or more poor, very poor. Reporters indicated that a fair amount of the crop has been destroyed and planted to other crops. Ground tilled for spring crops 90%, 78% 1995, 73% avg.

MONTANA: Days suitable for fieldwork 4.4. Topsoil moisture 10% short, 77% adequate, 13% surplus. Subsoil moisture 11% short, 77% adequate, 12% surplus. Good progress spring seeding, well behind normal. Cool, wet conditions keeping growth slow. Fieldwork 21% none, 32% just started, 47% well underway. Oats 16% planted, 38% 1995, 51% avg. Oats 2% emerged, 7% 1995, 12% avg. Corn 25% planted, 39% 1995, 39% avg. Corn 5% 1995. Sugar beets 73% planted, 56% 1995, 74% avg. Sugar beets 7% emerged, 6% 1995. Dry beans 7% 1995, 8% avg. Potatoes 7% 1995, 16% avg. Calving 95% complete. Lambing 78% complete. Cattle, calves moved to summer ranges 26%. Sheep, lambs moved to summer ranges 15%.

NEBRASKA: Days suitable for fieldwork 3.7. Topsoil moisture 9% very short, 29% short, 62% adequate. Subsoil moisture 13% very short, 45% short, 42% adequate. Rainfall last week occurred statewide, improving wheat prospects, aiding germination of spring planted small grains and row crops. Fieldwork slowed in the northeast, east central parts of State due to wet field. While in west, hard freezing temperatures damaged stands of Sugar beets. Wheat 25% jointed, 55% 1995, 51% avg. Corn planting activities continued to be most advanced in southeast, south central part of State. Alfalfa 6% very poor, 21% poor, 40% fair, 31% good, 2% excellent; Reports of winter kill continued to be received from the north central, northeast, east central districts. Pasture, range 4% very poor, 32% poor, 46% fair, 15% good, 3% excellent. Activities: Fertilizer, herbicide applications, spring planting, grain marketing, livestock care.

NEVADA: Spring grain planting continued to make good progress with extended open weather. Spring wheat 73% planted; barley 78%. Emergence of spring seeded crops, growth of fall seeded grains, forage was slowed by cool temperatures. Some hay fields in the Smith, Mason Valleys sprayed to control aphid, fertilizing was underway statewide. First planting

was underway, 30% complete. Garlic, onion growth was slowed by the cool weather. High winds complicated plowing. Spring calving was nearing completion; branding, vaccinating underway. Sheering, lambing continued. Ditch cleaning remained active in some districts; irrigation underway in others. Main farm, ranch activities: Spring planting, fertilizing, plowing, field leveling, ditch cleaning, alfalfa harvest, calving, lambing.

NEW ENGLAND: Days suitable for fieldwork 4.3. Topsoil moisture 34% adequate, 66% surplus. Subsoil moisture 46% adequate, 54% surplus. Pasture 3% very poor, 30% poor, 29% fair, 34% good, 4% excellent. Massachusetts potatoes 25% planted, 35% 1995, 23% avg, fair/poor. Rhode Island potatoes 20% planted, 34% 1995, 20% avg., 5% emerged, 10% 1995, 2% avg.. Field corn 5% planted, 7% 1995, 8% avg., fair. Sweet corn 10% planted, 13% 1995, 10% avg., 5% emerged, good. First hay crop very poor. Apples in bud stage, good. Peaches bud stage to dormant, fair. Pears bud stage to dormant, good. Strawberries bud stage to dormant, good to fair. Cranberries dormant, good. Highbush blueberries, wild blueberries bud stage to dormant, poor. Major farm activities: Plowing, harrowing, diking, fertilizing, liming, spreading manure on well drained soils, fixing fences, planting cool weather crops, pruning, application of pre-emergence fertilizer, herbicides to fruit crops.

NEW JERSEY: Days suitable for fieldwork, 4-5. Topsoil moisture reported as adequate to surplus. Planting, other activities remain about 7-10 days behind in some areas. Peaches are at petal fall to shuck split stage. Apples are at bloom to petal fall stage. Blueberries, strawberries are blooming. Vegetable farmers were busy planting squash, peppers, sweet corn, tomatoes. Harvest of asparagus, spinach reported. Ground preparation for field crops continues. Corn planting reported in some areas.

NEW MEXICO: Days suitable for fieldwork 6.8. Soil moisture 77% very short, 19% short, 4% adequate. Corn, cotton planting made good progress with continued warm dry conditions; corn 62% complete, 71% 1995; cotton 67% planted, 53% 1995, 67% avg. Corn 15% fair, 78% good, 7% excellent. Cotton 2% poor, 20% fair, 52% good, 26% excellent. Sorghum planting limited to irrigated acreage; total crop only 1% planted, 1% 1995, 6% avg. Alfalfa 16% poor, 29% fair, 41% good, 14% excellent. Chile 10% fair, 66% good, 24% excellent. Lettuce harvest begun, with 15% complete, 60% 1995. Onion 1% fair, 59% good, 41% excellent, none harvested yet. Apples at or past full bloom, but hit by major freeze northern areas; 74% very poor, 17% fair, 9% good. Pecan 3% fair, 96% good, 1% excellent; nut set rated 100% avg. Dry wheat remains nearly a total loss at 99% very poor, 1% poor. Irrigated wheat, 5% very poor, 11% poor, 75% fair, 7% good, 2% excellent. Total wheat headed at 21%, 10% 1995, 49% avg. Cattle 5% very poor, 24% poor, 51% fair, 20% good. Ranchers continued heavy supplemental feeding, watering; many stock wells, springs drying up. Forest fires ravaged a number of grazing areas.

NEW YORK: Days suitable for fieldwork 1.5. Soil moisture 100% surplus. Heavy rains caused minor flooding. Pasture poor to excellent. Wheat, oats fair to good. Corn planting, barely underway, 6% planted 1995, 8% avg. Oat planting stalled at 4%, 46% 1995, 38% avg. Growers, machinery ready when weather cooperates. Apple development in the Hudson Valley back on schedule. Full bloom expected next warm day. Good blossoms on peach trees. Pears, sweet cherries show strong bloom. Wetness keeping growers out of orchards. Wetness, cool temperatures halted vegetable planting. Strawberries show winter damage. Orange County onions 95% planted. Good growth in early planted onions. Cabbage transplants should arrive soon.

NORTH CAROLINA: Days suitable for fieldwork 4.4. Soil moisture 2% short, 76% adequate, 22% surplus. Flue-cured tobacco 58% transplanted, 63% 1995, 55% avg.; Crop condition: Oats 1% very poor, 5% poor, 25% fair 65% good, 4% excellent; barley 1% poor, 29% fair, 66% good, 4% excellent; rye 2% poor, 13% fair, 76% good, 9% excellent; greenhouse tobacco plant beds 7% fair, 76% good, 17% excellent; outside tobacco plant beds 1% very poor, 3% poor, 24% fair, 70% good, 2% excellent; potatoes 20% fair, 71% good, 9% excellent; peaches 66% very poor, 9% poor, 15% fair, 10% good; truck crops 1% poor, 17% fair, 79% good, 3% excellent; tobacco plant supply 2% short, 92% adequate, 6% surplus; hay, roughage supply 10% very short, 27% short, 61% adequate, 2% surplus. Activities: Planting corn, cotton, peanuts; Transplanting flue-cured tobacco, sweet potatoes; spraying for

cereal leaf beetles, other insects; planting vegetables; pasture maintenance; tending livestock; repairing equipment, general farm maintenance.

NORTH DAKOTA: Some planting started but most of state still needs warm, dry weather. Small grain planting progress well behind avg. Topsoil moisture supplies well above avg., 2% short, 79% adequate, 19% surplus. Durum 2% planted, 2% 1995, 21% avg.; corn 3% planted, 4% 1995, 9% avg.; potatoes 2% planted, 6% 1995, 7% avg.; Sugar beets 6% planted, 18% 1995, 50% avg. Calving, lambing 94% complete. Hay, forage supplies 1% very short, 14% short, 82% adequate, 3% surplus. Grains, concentrates 2% very short, 9% short, 88% adequate, 1% surplus. Pastures, ranges 60% dormant, 90% open for grazing. Pasture 5% very poor, 11% poor, 28% fair, 53% good, 3% excellent. Statewide rainfall avg. 1.18 of an inch April 28th - May 4th, 0.31 of an inch above normal. Charlotte reported a high of 2.70 inches of rain during the past week.

OHIO: Days suitable for fieldwork 0.6. Topsoil moisture 10% adequate, 90% surplus. Corn planting is at a standstill. Soybean planting has just begun. Stands of barley, spelts near New Philadelphia have come through the winter in poor condition, and may be replanted in oats. Planting of processing tomatoes has started.

OKLAHOMA: Days suitable for fieldwork 6.0. Topsoil moisture 45% very short, 29% short, 26% adequate. Subsoil moisture 33% very short, 39% short, 28% adequate. Wheat 96% jointing, 100% 1995, 99% avg.; 3% softdough, 11% 1995, 12% avg.; oats 60% jointing, 81% 1995, 70% avg.; 20% heading, 31% 1995, 37% avg.; 1% softdough, 7% 1995, 6% avg.; corn 100% seedbed prepared, 99% 1995, 98% avg.; 84% planted, 63% 1995, 84% avg.; 25% up-to-stand, 46% 1995, 53% avg.; sorghum 37% seedbed prepared, 64% 1995, 57% avg.; 3% up-to-stand, 3% 1995, 3% avg.; soybeans 71% seedbed prepared, 60% 1995, 68% avg.; 24% planted, 19% 1995, 16% avg.; 8% up-to-stand, 12% 1995, 5% avg.; peanuts 83% seedbed prepared, 65% 1995, 69% avg., 9% planted, 1% 1995, 5% avg.; cotton 65% seedbed prepared, 71% 1995, 76% avg.; alfalfa 3% very poor, 16% poor, 47% fair, 31% good, 3% excellent; alfalfa hay 5% 1st cutting, 36% 1995, 28% avg.; other hay 2% 1st cutting, 35% 1995, 32% avg.; livestock 1% very poor, 10% poor, 36% fair, 52% good, 1% excellent. Feeder steers and heifers were steady to \$1/cwt lower.

OREGON: Days suitable for fieldwork 6.1. Topsoil moisture 1% short, 87% adequate, 12% surplus. Subsoil 7% short, 91% adequate, 2% surplus. Barley 57% planted, 73% 1995, 79% avg. Activities: Warm temperatures needed promote growth small cereal grains, statewide. Fungicides applied small cereal grains, Willamette Valley, Mid-Columbia region. Sugar beet planting continued, Klamath Basin, Malheur County. Nurseries, greenhouses spring activities continued, plant harvest 75% completed, relocation of nursery containers full swing, Christmas trees being sprayed for Needle Midge. Vegetable planting underway behind schedule, Willamette Valley. Eastern region, Klamath County vegetable fields being worked, some planted. Potato planting continued, onion replanting underway, Malheur County. Frost control needed Rogue River valley fruit orchards. Willamette Valley: Strawberry, blueberry peak bloom, Marion variety blackberries, raspberries mostly bud stage, Evergreen blackberries leafing out, growers removing frozen caneberry vines apple bloom nearly finished, sweet cherry, pear, prune pollination light. Southern coast: Cranberries mostly hook stage, black headed fireworm larvae noted. Livestock good to excellent. Eastern pasture feed needed warmer temperatures to promote growth. Branding calves underway. Western pasture feed growth behind normal, lowland pastures very wet.

PENNSYLVANIA: Days suitable for fieldwork 2.1. Soil moisture 1% short, 39% adequate, 60% surplus. Plowing 54% complete, 72% 1995, 61% avg. Soybeans planted 1% complete, 1% 1995, 1% avg. Potatoes planted 20% complete, 33% 1995, 30% avg. Barley 18% heading or headed, 17% 1995, 6% avg. Wheat 8% heading or headed, 3% 1995, 1% avg. Wheat crop 2% very poor, 11% poor, 37% fair, 43% good, 7% excellent. Alfalfa, alfalfa mixtures stand 2% very poor, 11% poor, 37% fair, 43% good, 7% excellent. Timothy clover stand 4% very poor, 9% poor, 35% fair, 46% good, 6% excellent. Peaches 56% pink, 84% 1995, 71% avg; 38% full bloom or past, 55% 1995, 51% avg. Cherries 60% pink, 89% 1995, 75% avg.; 40% full bloom or past, 71% 1995, 58% avg. Apples 33% pink, 74% 1995, 60% avg.; 13% full bloom or past, 48% 1995, 34% avg. Activities: Plowing, planting of

oats, corn; spreading fertilizer; fixing fences; machinery maintenance, storing; hauling manure; caring for livestock.

SOUTH CAROLINA: Days suitable for fieldwork 5.0. Activities: Corn, 99% planted, 99% 1995, 97% 5 yr avg.; 1% poor, 13% fair, 65% good, 21% excellent. Tobacco 97% planted, 81% 1995, 92% 5 yr avg.; 9% fair, 87% good, 4% excellent. Cotton 48% planted, 38% 1995, 42% 5 yr. avg.; 1% poor, 39% fair, 57% good, 3% excellent. Soybeans 4% planted, 2% 1995, 2% 5 yr avg. Sorghum 26% planted, 12% 1995, 14% 5 yr avg.; 1% poor, 28% fair, 71% good. Peach 47% very poor, 45% poor, 7% fair, 1% good. Apple 29% very poor, 14% poor, 30% fair, 27% good. Watermelons 91% planted, 83% 1995; 85% 5 yr. avg.; 1% poor, 36% fair, 60% good, 3% excellent. Cantaloups 94% planted, 75% 1995; 79% 5 yr. avg.; 4% poor, 30% fair, 62% good, 4% excellent. Wheat 91% headed, 93% 1995, 86% 5 yr. avg.; 1% very poor, 4% poor, 22% fair, 64% good, 9% excellent.

SOUTH DAKOTA: Days suitable for fieldwork 4.6. Topsoil moisture 14% short, 73% adequate, 13% surplus. Subsoil moisture 1% short, 77% adequate, 22% surplus. Winter rye 1% very poor, 4% poor, 37% fair, 54% good, 4% excellent. A significant number of acres of winter wheat continued to be worked up due to the high amount of winterkill across the State. Some recently seeded small grains are being reseeded because the previous week's strong winds blew out fields. Livestock 2% poor, 18% fair, 71% good, 9% excellent. Cold overnight temperatures continue to cause health problems among livestock. Pasture feed 1% very poor, 11% poor, 41% fair, 42% good, 5% excellent. Pasture growth continues to be very slow with below normal temperatures and little sunshine during the week. Cattle moved to pasture 25%. Calving 84% completed, lambing 87% completed. Feed supplies 1% very short, 7% short, 86% adequate, 6% surplus. Stock water supplies 1% short, 77% adequate, 22% surplus.

TENNESSEE: Days suitable for fieldwork 4.4. Topsoil moisture 2% short, 84% adequate, 14% surplus. Subsoil moisture 3% short, 81% adequate, 16% surplus. Corn 84% planted, 87% 1995, 66% avg. Tobacco 95% plants up, 99% 1995, 98% avg.; 6% transplanted, 10% 1995, 7% avg. Wheat 2% very poor, 14% poor, 38% fair, 42% good, 4% excellent; 40% headed, 96% 1995, 67% avg. Sorghum 10% planted, 34% 1995, 20% avg. Alfalfa hay 2% very poor, 9% poor, 45% fair, 41% good, 3% excellent; 6% first cutting, 10% 1995, 9% avg. Pasture 2% very poor, 15% poor, 45% fair, 35% good, 3% excellent. Cattle 1% very poor, 14% poor, 47% fair, 36% good, 2% excellent.

TEXAS: Windy conditions continued cause problems for field operations during week. Topsoil moisture depleted in areas that received rain recently. Cool temperatures at night slowed growth of crops, pastures at the beginning of week. Showers, thunderstorms sprang up early week parts of South Central. East also received some good rain. Despite increase in rainfall activity, however, all areas of State remained at a deficit, need additional rain for crop progress to continue. Planting activity increasing in High Plains. The livestock industry continued to suffer.

Crops: Small grains: Fields continued head in many areas of State during week with some harvesting getting underway South Central. Dryland fields continued suffer despite scattered rain. The High Plains missed rain, most dryland fields will be a loss very soon. Many fields continued cut for hay or grazed out. Corn: Planting winding down in High Plains, early fields up, off to decent start; however, irrigation remained active. Producers cultivating fields in much of State. Rainfall desparately needed for progress to continue. Many fields showing signs of wilting because prolonged dryness; however, early week's rain may have relieved problem some South Central. Statewide 57% normal compared 82% last year. Grain sorghum: Planting getting underway in High Plains. Planted fields across remainder of State need moisture now to continue progress. The rainfall parts of South Central beneficial. Many producers cultivating during week. Statewide 52% normal compared 84% last year. Cotton: Planting beginning in High Plains. Land preparations continued many other areas. Some replanting occurred in Coastal Bend. Rice: Planting winding down. Producers continued to flush emerged fields. Rice 74% normal compared 91% last year. Peanuts: Planting active Low Plains. Irrigation steady. Planting gaining momentum many other areas despite dry conditions. Soybeans: Planting continued North Central, along Upper Coast.

Commercial Vegetables, Fruit and pecans: Rio Grande Valley, carrot, cabbage, onion harvest continued. Harvest of greens also continued. San Antonio- Winter Garden, onion harvest increasing. Melons look good, irrigation remained steady. Dryland fields under stress. East, sweet potato planting continued. Watermelons in need of moisture. High Plains, onions,

potatoes making good progress under irrigation. Trans-Pecos, irrigation of onions, cantaloups continued. Pecans: Producers continued fertilize, apply zinc. Trees setting nuts South Central areas where scouting for case bearers underway. Rainfall critical many areas as nut set expands into other areas. Peaches: The remaining crop made good progress during week.

Range and Livestock: Some increased greening noticed parts of State; however, more rain needed for any growth. Some small grain fields cut for hay to help supplement a shortage of hay. Livestock many areas continued suffer from a lack of forage.

UTAH: Days suitable for fieldwork 6.7. Topsoil moisture 6% very short, 29% short, 59% adequate, 6% surplus. Subsoil moisture 8% very short, 26% short, 61% adequate, 5% surplus. Spring wheat emerged 79%, 70% 1995, 73% avg. Barley emerged 73%, 67% 1995, 68% avg. Oats planted 58%, 59% 1995, 70% avg. Oats emerged 30%, 39% 1995, 45% avg. Corn planted 39%, 17% 1995, 34% avg. Potatoes planted 18%, 8% 1995. Alfalfa height 7.0 inches. Apples full bloom and past 88%, 70% 1995. Range, pasture 2% very poor, 8% poor, 29% fair, 49% good, 12% excellent. Ewes lambing on range 77%, 73% 1995, 77% avg. Sheep sheared on the range 85%, 79% 1995, 84% avg. Sheep moved to summer range 6%. Cattle moved to summer range 9%. Major farm, ranch activities: Irrigating, spring tillage, planting of grains, alfalfa, corn, spraying weeds.

VIRGINIA: Days suitable for fieldwork 4.7. Topsoil 20% short, 75% adequate, 5% surplus. Subsoil moisture 15% short, 80% adequate, 5% surplus. Corn 47% planted, 51% 1995, 49% avg.; 2% poor, 17% fair, 77% good, 4% excellent. Soybeans 2% planted, 6% 1995, 4% avg. Winter wheat 6% poor, 23% fair, 60% good, 11% excellent. Barley 1% poor, 27% fair, 67% good, 5% excellent. Cotton 50% planted, 71% 1995, 60% avg. Peanuts 25% planted, 31% 1995, 26% avg. Alfalfa 2% poor, 11% fair, 74% good, 13% excellent. Other hay 3% poor, 30% fair, 61% good, 6% excellent. Summer potatoes 20% fair, 80% good. Tobacco in greenhouses 4% fair, 52% good, 44% excellent. Tobacco in plantbeds 3% poor, 29% fair, 60% good, 8% excellent. Fire cured tobacco transplanted 8%, 1% 1995, 2% avg. Flue cured tobacco transplanted 5%, 21% 1995, 16% avg. Pasture feed 11% poor, 22% fair, 62% good, 5% excellent. Apples 1% fair, 86% good, 13% excellent. Peaches 9% very poor, 14% poor, 38% fair, 33% good, 6% excellent. Activities: Drier weather enabled farmers to catch up on field work. This year's growing season is about ten days to two weeks behind last year due to the generally cool and wet spring. Corn, cotton and peanut planting underway. Flue, fire tobacco are being transplanted from greenhouses and plant beds.

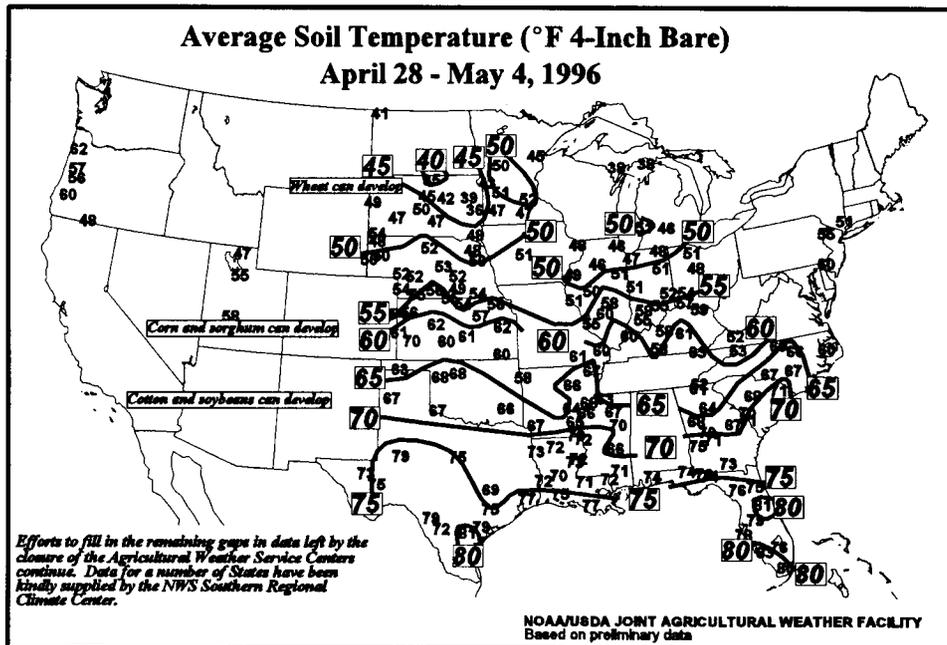
WASHINGTON: Days suitable for fieldwork 4.3. Topsoil moisture 10% short, 65% adequate, 25% surplus; subsoil 10% short, 85% adequate, 5% surplus. Cool, wet weather continued to delay planting in some areas. Some reseeded of earlier planted spring crops is expected. Winter wheat, dryland 8% fair, 80% good, 12% excellent; irrigated, 90% good, 10% excellent. Hay,

other roughage supplies, 3% very short, 10% short, 86% adequate, 1% surplus. Range, pasture feed, 4% poor, 28% fair, 67% good, 1% excellent. Some pastures flooded, soggy, growth excellent in some areas. First cutting of alfalfa underway. Potatoes 84% planted, 71% 1995, 82% avg.; 38% emerged, 35% 1995, 31% avg. Spring wheat 67% planted, 75% 1995, 86% avg.; 47% emerged, 56% 1995, 74% avg. Corn 41% planted, 40% 1995, 38% avg. Dry peas 23% planted, 75% 1995, 75% avg. Small fruit, fruit tree bloom excellent, but cold, wet conditions hampering pollination, development in some areas. Some winter damage reported. Saturated soils limited vegetable seeding, growth. Floods damaged early seeded carrots, onions, celery, lettuce. Asparagus cutting continued.

WEST VIRGINIA: Days suitable for fieldwork 3.1. Topsoil moisture 1% short, 55% adequate, 44% surplus. Wheat 8% poor, 71% fair, 13% good, 8% excellent; 5% headed. Hay 1% very poor, 18% poor, 58% fair, 23% good. Intended acreage prepared for spring planting 60%, 77% 1995. Corn planted 26%, 22% 1995, 29% avg. Oats planted 69%, 62% 1995, 71% avg.; 38% emerged, 37% 1995, 47% avg. Soybeans planted 1%, 3% 1995. Tobacco beds seeded 99%, 95% 1995, 94% avg.; 93% emerged, 70% 1995, 78% avg. Cattle 1% very poor, 6% poor, 37% fair, 53% good, 3% excellent; 94% calved. Sheep 5% poor, 25% fair, 69% good, 1% excellent; 92% lambing. Hay, roughage supplies 14% very short, 36% short, 50% adequate. Feed grain supplies 5% very short, 25% short, 70% adequate. Apples 75% fair, 25% good. Peaches 82% fair, 18% good. Activities: Preparing soil, fertilizing, planting, repairing damage due to flooding, building, repairing fences, working cattle, general equipment maintenance.

WISCONSIN: Days suitable for fieldwork 3.3. Soil moisture: 11% short, 67% adequate, 22% surplus. Spring tillage 30%, 31% 1995, 37% 5 yr avg. Northern districts of the state reported some snow cover. Corn planted 5%, 10% 1995, 12% 5 yr. avg. Oats plantings 28%, 42% 1995, 45% 5 yr. avg. Oats emerged 4%. A majority of the emerged acreage came from the southern third of the state. Winter wheat damage, 16% no damage, 37% light, 30% moderate, 17% severe. Alfalfa looks good, but some older stands have patches of winterkill.

WYOMING: Days suitable for fieldwork 4.5. Topsoil moisture supplies 92% adequate or surplus. Subsoil moisture 97% adequate or surplus. Barley 85% planted, 84% 1995, 82% avg.; 51% emerged, 58% 1995, 55% avg. Oats 60% planted, 59% 1995, 61% avg.; 14% emerged, 20% 1995, 25% avg. Spring wheat 61% planted, 49% 1995, 59% avg.; 23% emerged, 19% 1995, 26% avg. Sugar beets 86% planted, 91% 1995, 89% avg.; 12% emerged, 23% 1995, 23% avg. Corn 45% planted, 22% 1995, 31% avg.; emerged 3% avg. Winter wheat insect infestation light. Livestock good. Calving 95% complete, 95% 1995, 92% avg. Range flock ewes lambing 38%, 35% 1995, 46% avg.; shorn 78%, 77% 1995, 78% avg. Range, pasture 22% fair, 58% good, 20% excellent. Stock water supplies 91% adequate or surplus.



April 1996

MONTHLY DATA FROM SELECTED FOREIGN CITIES
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA

** = DATA NOT AVAILABLE

International Weather and Crop Summary

April 28 - May 4, 1996

HIGHLIGHTS

FSU-WESTERN: Mild weather and scattered showers provided favorable growing conditions for crops.

EUROPE: Moisture reserves remained unfavorably low in the northwest, while beneficial rain eased dryness in the northeast.

NORTHWESTERN AFRICA: Late-season showers benefited winter grains in the filling stage.

SOUTH AFRICA: Dry weather continued, aiding corn maturation and harvesting, sugarcane harvesting, and winter wheat planting.

AUSTRALIA: Excessive rain in eastern Australia caused flooding and raised concern for the region's standing summer crops.

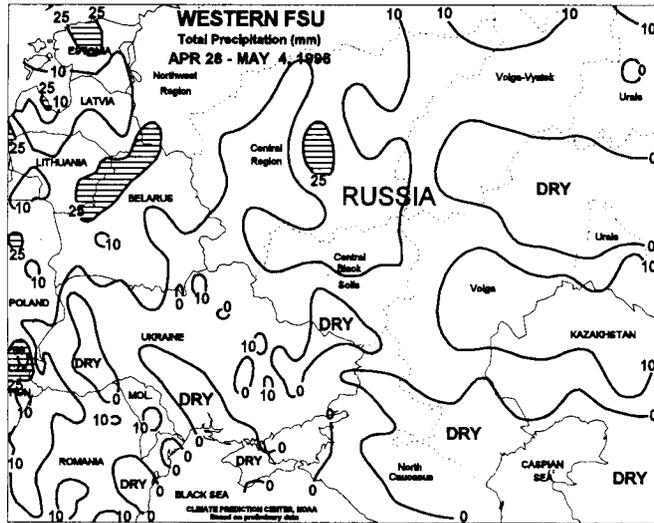
SOUTHEAST ASIA: Dry weather aided main-season rice harvesting across Java. Unseasonably heavy rain continued in Thailand, boosting moisture supplies for main-season rice.

EASTERN ASIA: Widespread rain favored wheat across the North China Plain and boosted irrigation supplies for rice across central and southern China.

SOUTH AMERICA: Mostly dry weather aided summer crop harvesting across central Argentina and southern Brazil. Heavy rain slowed cotton harvesting in northern Argentina.

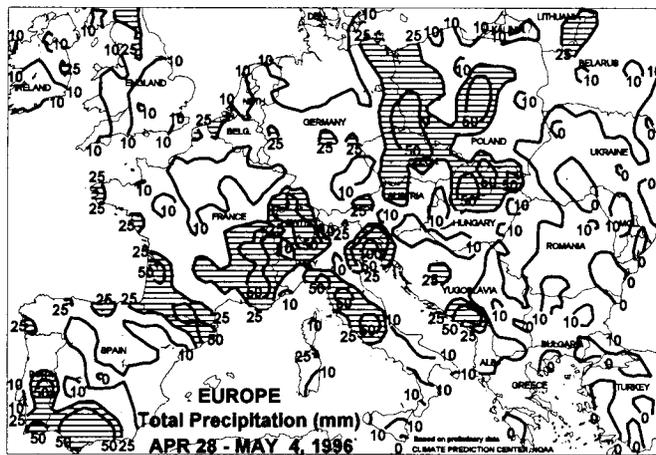
COUNTRY	CITY	TEMPERATURE					PRECIPITATION		
		AVG		HI	LO	DPART	TOTAL	DPART	
		MAX	MIN	MAX	MIN				AVG	F/NRM	F/NRM
NORWAY	OSLO	9	-2	15	-11	4	0.9	18	-31
SWEDEN	STOCKHOLM	12	0	22	-6	6	1.4	6	-24
FINLAND	HELSINKI	8	-1	19	-8	3	0.4	32	-5
U KING	GLASGOW	12	4	16	-4	8	-0.3	85	22
	EDINBURGH	12	5	17	-3	8	1.0	41	-1
	BIRMINGHAM	13	4	22	-4	8	0.7	34	-14
	LONDON	14	4	22	-5	9	0.8	24	-30
IRELAND	DUBLIN	12	5	17	-2	8	0.4	54	3
ICELAND	REYKJAVIK	7	3	11	-3	5	2.0	67	10
DENMRK	COPENHAGEN	11	1	23	-5	6	-0.3	21	-17
LUXEMB	LUXEMBOURG	15	5	23	-3	10	1.9	3	-56
SWITZL	ZURICH	14	5	25	-2	10	2.0	37	-55
	GENEVA	15	5	23	-1	10	1.4	34	-31
FRANCE	PARIS/ORLY	16	6	25	-1	11	***	9	**
	STRASBOURG	17	5	28	-4	11	1.4	26	-21
	BOURGES	16	5	25	-3	10	0.8	26	-24
	BORDEAUX	19	7	25	-2	13	1.7	59	-8
	TOULOUSE	17	7	21	-1	12	1.2	60	-2
	MARSEILLE	19	9	24	1	14	0.9	41	-2
SPAIN	VALLADOLID	18	6	23	-1	12	1.6	62	20
	MADRID	20	6	25	1	13	0.9	8	-35
	SEVILLE	25	13	31	9	19	1.6	50	-9
PORTUG	LISBON	21	12	27	9	16	1.3	20	-31
GERMNY	HAMBURG	15	3	29	-6	9	1.6	20	-31
	BERLIN	15	4	29	-8	10	1.1	12	-29
	DUSSELDORF	16	5	26	-6	10	0.5	14	-38
	LEIPZIG	14	4	28	-4	9	1.0	14	-27
	DRESDEN	14	4	27	-6	9	0.4	21	-25
	STUTTGART	15	4	26	-2	9	0.4	9	-46
	NURNBERG	14	2	27	-6	8	-0.1	16	-32
AUSTRI	VIENNA	15	5	25	-5	10	-0.2	105	62
	INNSBRUCK	15	4	24	-4	10	1.1	42	-19
CZECH	PRAGUE	13	3	26	-6	8	0.2	13	-26
POLAND	WARSAW	14	2	26	-6	8	0.2	22	-11
	LODZ	14	3	27	-7	8	0.9	32	-18
	KATOWICE	14	2	26	-7	8	0.4	58	4
	PRZEMYSL	13	3	25	-4	8	0.0	22	-26
HUNGAR	BUDAPEST	17	7	25	-2	12	1.1	27	-11
F YUGO	BELGRADE	17	8	28	-1	13	0.5	51	-9
ROMANI	BUCHAREST	16	4	29	-1	10	-1.0	70	25
BULGAR	SOFTA	15	4	25	-1	10	-0.7	20	-36
ITALY	MILAN	19	9	26	4	14	1.9	44	-44
	VERONA	18	8	25	3	13	1.4	73	8
	VENICE	17	9	23	3	13	0.8	151	81
	GENOA	18	11	21	6	15	-0.2	93	8
	ROME	18	8	21	2	13	-0.4	42	-9
	NAPLES	19	10	25	5	15	1.5	47	-29
GREECE	THESSALONIKA	17	7	25	1	12	-2.1	35	-1
	LARISSA	18	6	24	0	12	-2.0	26	-5
	ATHENS	19	10	24	7	15	-1.6	7	-9
TURKEY	ISTANBUL	14	7	23	4	10	-0.3	64	26
	ANKARA	13	1	23	-5	7	-4.4	26	0
CYPRUS	LARNACA	21	10	31	6	16	-1.0	16	-4
ESTONI	TALLINN	9	-1	19	-6	4	0.8	16	-19
FSU	ST.PETERSBURG	7	0	18	-6	4	-0.3	39	7
LITHUA	KALINAS	13	2	26	-3	7	1.3	23	-17
FSU	MINSK	13	2	25	-3	8	1.6	32	-11
	KAZAN	**	**	15	-3	**	***	**	**
	MOSCOW	11	2	24	-3	7	0.7	17	-25
	YEKATERINBURG	5	-3	11	-11	1	-3.4	18	-10
	OMSK	4	-4	18	-12	0	-3.2	33	12
	KUSTANAY	4	-4	16	-19	0	-5.7	49	26
	NOVOSIBIRSK	4	-3	19	-12	0	1.2	22	9
	BARNAUL	8	-3	29	-14	3	-0.2	22	-3
	KHABAROVSK	10	-1	20	-7	4	-0.1	13	-29
	VLADIVOSTOK	9	2	19	-5	5	1.0	31	-34
	KIEV	14	5	27	-3	10	0.8	40	-7
	LVOV	13	3	24	-4	8	0.3	24	-24
	KIROVOGRAD	14	4	26	-4	9	0.6	29	-2
	ODESSA	12	6	20	1	9	-0.3	20	-13

Based on Preliminary Reports



FSU-WESTERN

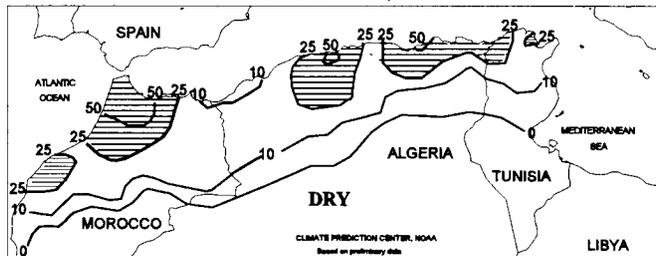
Unusually mild weather and scattered showers provided favorable growing conditions for crops in Ukraine, Russia, Belarus, and the Baltics. Weekly temperatures averaged 1 to 5 degrees C above normal in these areas, promoting rapid development in winter grains and warming topsoils for spring grain planting. Light, scattered showers (less than 10 mm) over Ukraine and southern Russia caused only brief delays in spring planting. Greater amounts of rain (10-32 mm) fell over Belarus, Lithuania, Estonia, and northern Russia, favoring winter grains in the early vegetative stage, but slowing fieldwork.



EUROPE

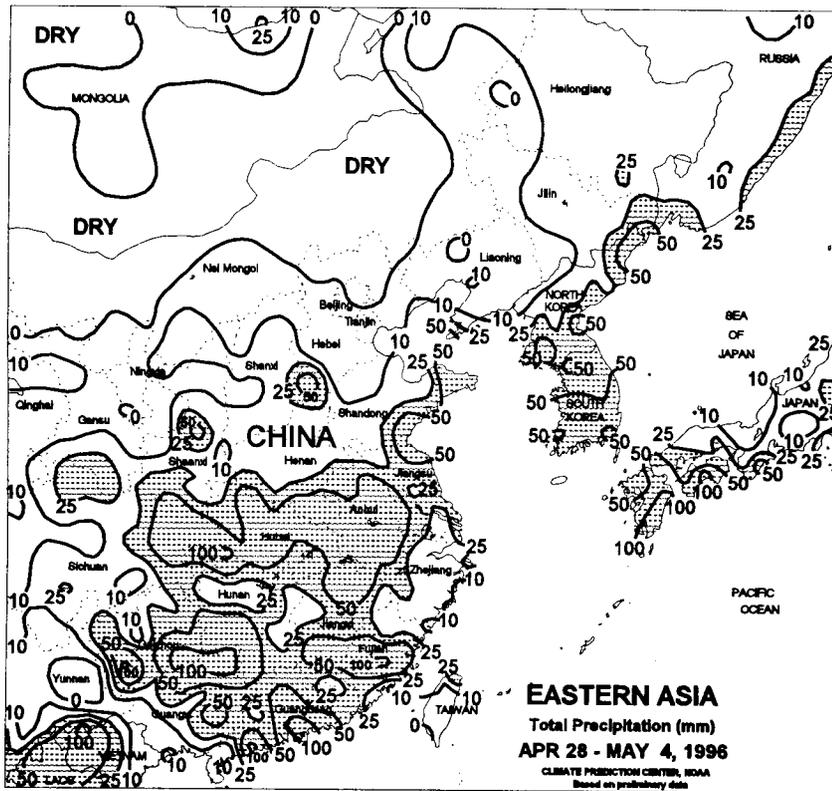
Scattered showers and cool weather prevailed over England, northern France, the Netherlands, Belgium, and Germany, lowering the crop-water demands of winter grains in the jointing stage and spring-sown crops in the early vegetative stage. Soil moisture reserves are unfavorably low in these areas. As a result, timely rains will be needed in upcoming weeks as crops progress through critical stages of development to ensure favorable yield prospects. Farther east, significant rain (10-50 mm) covered Poland, the Czech Republic, Slovakia, and Hungary, benefiting winter grains and emerging spring grains. Unseasonably warm, dry weather over Romania, Bulgaria, and eastern former Yugoslavia promoted winter grain development and helped spring crop planting activities. Elsewhere, wet weather (around 25 mm) slowed corn planting in southwestern France, while late-season moderate rain (25-50 mm) soaked southern areas in Portugal and Spain.

NORTHWEST AFRICA Total Precipitation (mm)
APR 28 - MAY 4, 1996



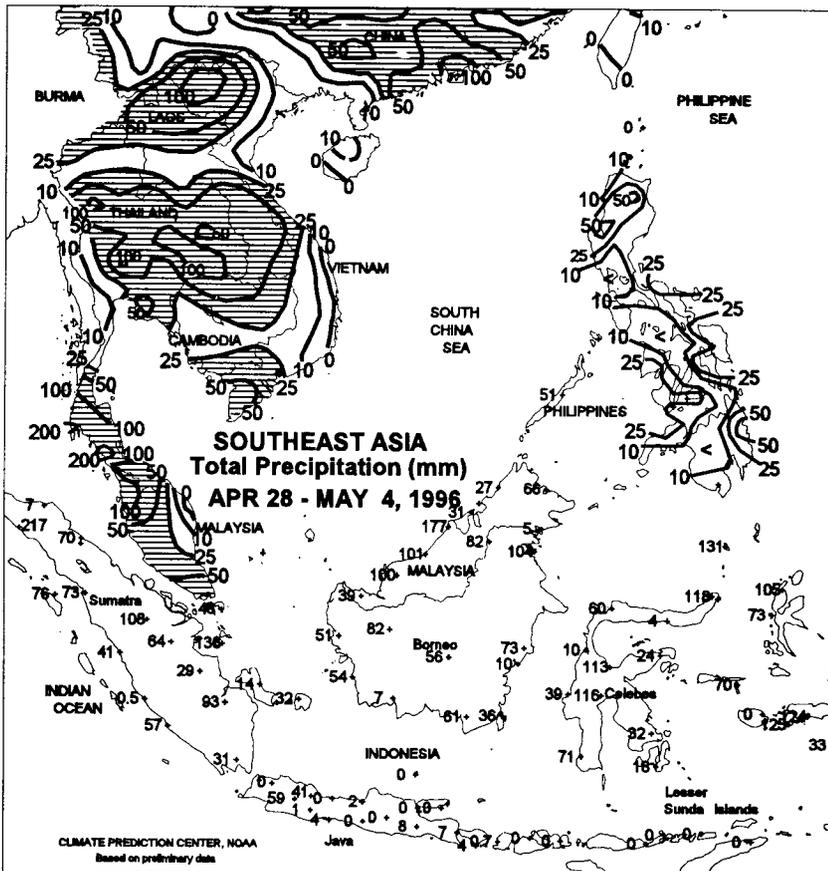
NORTHWESTERN AFRICA

Widespread showers (10-45 mm, with local amounts in excess of 50 mm) covered Morocco, Algeria, and Tunisia, benefiting those winter grains that were in the filling stage. The rain in southern Morocco slowed winter grain maturation and early harvest activities. Weekly temperatures averaged near normal in Morocco and Tunisia and 1 to 4 degrees C below normal in Algeria.



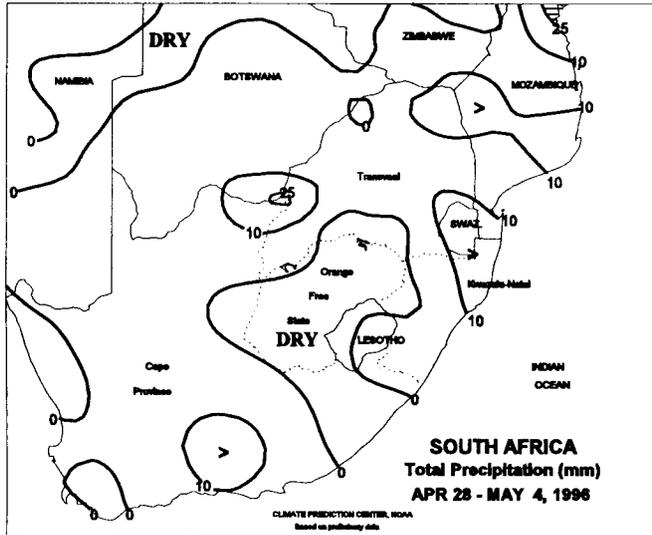
EASTERN ASIA

Widespread rain covered most of China, benefiting wheat and summer crops. Across the North China Plain, rainfall of 5 to 20 mm benefited vegetative to reproductive winter wheat. In northern Anhui and Jiangsu, which had been tending dry, amounts ranged from 20 to 50 mm. The northwest spring wheat areas (Gansu and south-central Nei Mongol) received 1 to 10 mm, aiding the newly planted crop. Moderate rain (25-75 mm, with scattered amounts greater than 100 mm) prevailed throughout central and southern China, boosting moisture supplies for rice. Temperatures averaged 2 to 4 degrees C above normal across most crop areas. However, near-normal to slightly below-normal temperatures were reported across the North China Plain.



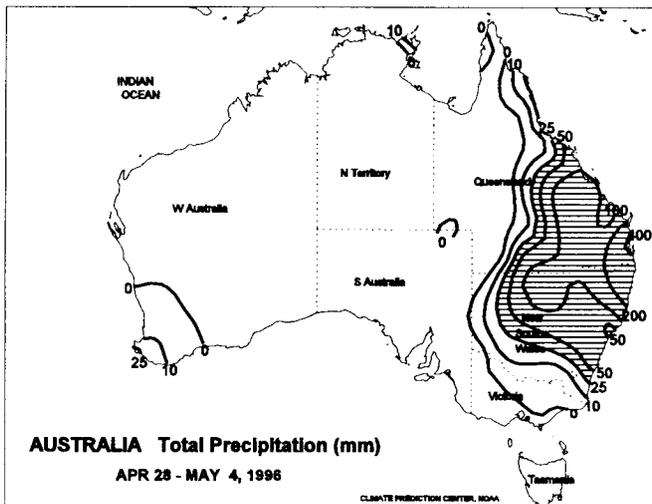
SOUTHEAST ASIA

Mostly dry weather aided main-season rice harvesting across Java. Widespread unseasonably heavy showers (25-100 mm) covered most of Thailand, boosting irrigation reserves for main-season rice. Cool weather (1-3 degrees C below normal) continued to slow development of immature second-season rice. These recent heavy showers may signal the start of the monsoon across Thailand, which typically starts in mid-May. Moderate showers (25-80 mm, with isolated amounts greater than 125 mm) fell along peninsular Thailand and Malaysia, favoring oil palm. In the Philippines, showers (20-50 mm) fell over Luzon and the eastern half of the central and southern islands, increasing soil moisture for planting main-season crops.



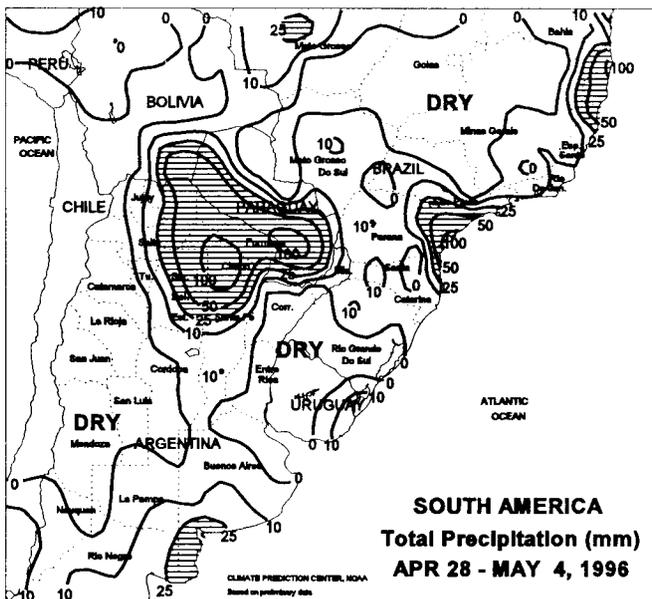
SOUTH AFRICA

Beneficial, dry weather continued for the second week across the corn belt to the eastern coast, favoring crop dry down and maturation. Corn harvesting typically becomes widespread during May, followed by winter wheat planting where possible. Early winter wheat prospects are good in this region due to abundant moisture. Sugarcane harvesting should be underway in Kwazulu-Natal. Temperatures averaged near normal, with lows in the corn belt ranging from 2 to 5 degrees C. Although patchy frost was possible, no killing freeze has occurred yet, allowing late-developing crops more time to fill out. Elsewhere, dry weather continued over winter wheat areas of Western Cape, where topsoil moisture was needed for crop germination and establishment. Western Cape typically accounts for 25 to 35 percent of the nation's total production.



AUSTRALIA

Unseasonably heavy rain (35-100 mm or more, exceeding 200 mm locally) covered eastern Australia's main crop areas (Queensland and New South Wales), resulting in some flooding. The rain was unfavorable for unharvested sorghum and cotton, raising concerns for quality and crop damage. Along the coast, the southern sugarcane areas initially welcomed the rain following a protracted dry spell, but received overall excessive amounts (150-300 mm) by week's end. Northern sugarcane areas received more moderate, beneficial amounts of rain (13-117 mm). The abundant rainfall greatly increased subsoil moisture for the region's winter wheat and barley, due to be planted soon, although some early-sown fields may need replanting. Elsewhere, only light rain (18 mm or less) fell in pastures and rangelands from western Queensland to South Australia. Only scattered, light rain fell in winter grain areas of the west and southeast. In New Zealand, light to moderate rain (10-40 mm) covered the main pasture areas.



SOUTH AMERICA

Across central Argentina and southern Brazil, mostly dry weather favored summer crop harvesting. In northern Argentina, moderate to heavy rain (30-125 mm) slowed cotton harvesting. Beneficial rain (10-35 mm) recharged soil moisture for upcoming wheat planting across extreme southwestern Buenos Aires. In Brazil, rain (30-100 mm) benefited cocoa and coffee in southern Bahia and northern Espirito Santo.

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

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

U.S. DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration
National Weather Service/Climate Prediction Center
Managing Editor **Douglas Le Comte** (202) 720-7919
Editor **Brad Rippey** (202) 720-1444
Meteorologists **David Secora, Jeff Savadel, Brian Morris**
Subscriptions **Joyce Houston** (202) 720-7917
fax (202) 720-1455

U.S. DEPARTMENT OF AGRICULTURE

Economic Research Service
E.R.S. Editor **Sharon Lee**
National Agricultural Statistics Service
Agricultural Statistician **Greg Preston** (202) 720-7621
State Summaries Editor **Klara Haskins** (202) 720-8033
World Agricultural Outlook Board
Agricultural Weather Analysts **Ray Motha**
..... **Tom Puterbaugh, Mark Brusberg, Bob Stefanski**
Secretary **Teresa Davis** (202) 720-9807

Pasture and Range Crop Condition by Percent											
	VP	P	F	G	EX		VP	P	F	G	EX
AL	0	7	40	45	8	NH	4	7	46	43	0
AZ	35	50	12	3	0	NJ	0	10	50	40	0
AR	3	32	42	20	3	NM	46	43	10	1	0
CA	0	0	10	60	30	NY	0	33	30	24	13
CO	12	35	32	20	1	NC	0	5	34	55	6
CT	0	0	15	85	0	ND	5	11	28	53	3
DE	0	0	27	70	3	OH	1	12	44	38	5
FL	0	10	40	45	5	OK	9	29	42	20	0
GA	0	3	39	53	5	OR	0	0	4	82	14
ID	0	0	5	61	34	PA	2	10	28	47	13
IL	4	16	43	34	3	RI	0	0	2	54	44
IN	1	12	41	42	4	SC	0	2	21	63	14
IA	6	28	44	21	1	SD	1	11	41	42	5
KS	13	34	39	14	0	TN	2	15	45	35	3
KY	2	12	42	38	6	TX	20	38	37	5	0
LA	2	9	39	48	2	UT	2	8	29	49	12
ME	11	3	46	22	18	VT	0	62	22	16	0
MD	0	2	30	60	8	VA	0	11	22	62	5
MA	0	1	29	70	0	WA	0	4	28	67	1
MI	12	31	30	23	4	WV	2	16	49	31	2
MN	9	17	42	30	2	WI	9	23	41	27	0
MS	0	8	46	33	13	WY	0	0	22	58	20
MO	7	30	46	16	1	ALL	7	20	35	32	6
MT	0	11	29	57	3						
NE	4	32	46	15	3	Prev Wk	4	16	36	40	4
NV	0	2	47	51	0	Prev Yr	NA	NA	NA	NA	NA

NOAA/USDA Joint Agricultural
Weather Facility
USDA South Building, Room 5844
Washington, DC 20250

**WEEKLY NEWS BULLETIN
FIRST CLASS**

FIRST CLASS MAIL
POSTAGE & FEES PAID
NOAA
PERMIT NO. G-19

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300