

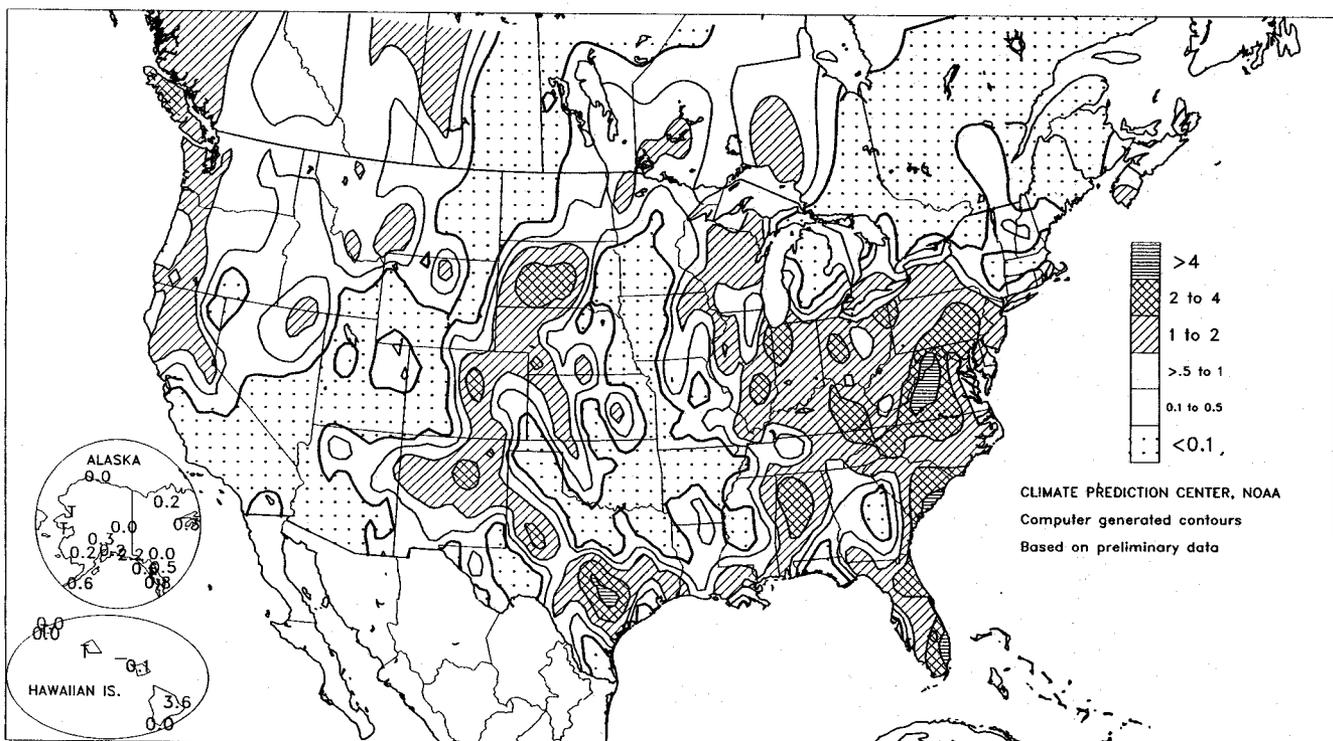
WEEKLY WEATHER AND CROP BULLETIN

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

Total Precipitation (Inches)

JUN 1 - 7, 1997



HIGHLIGHTS

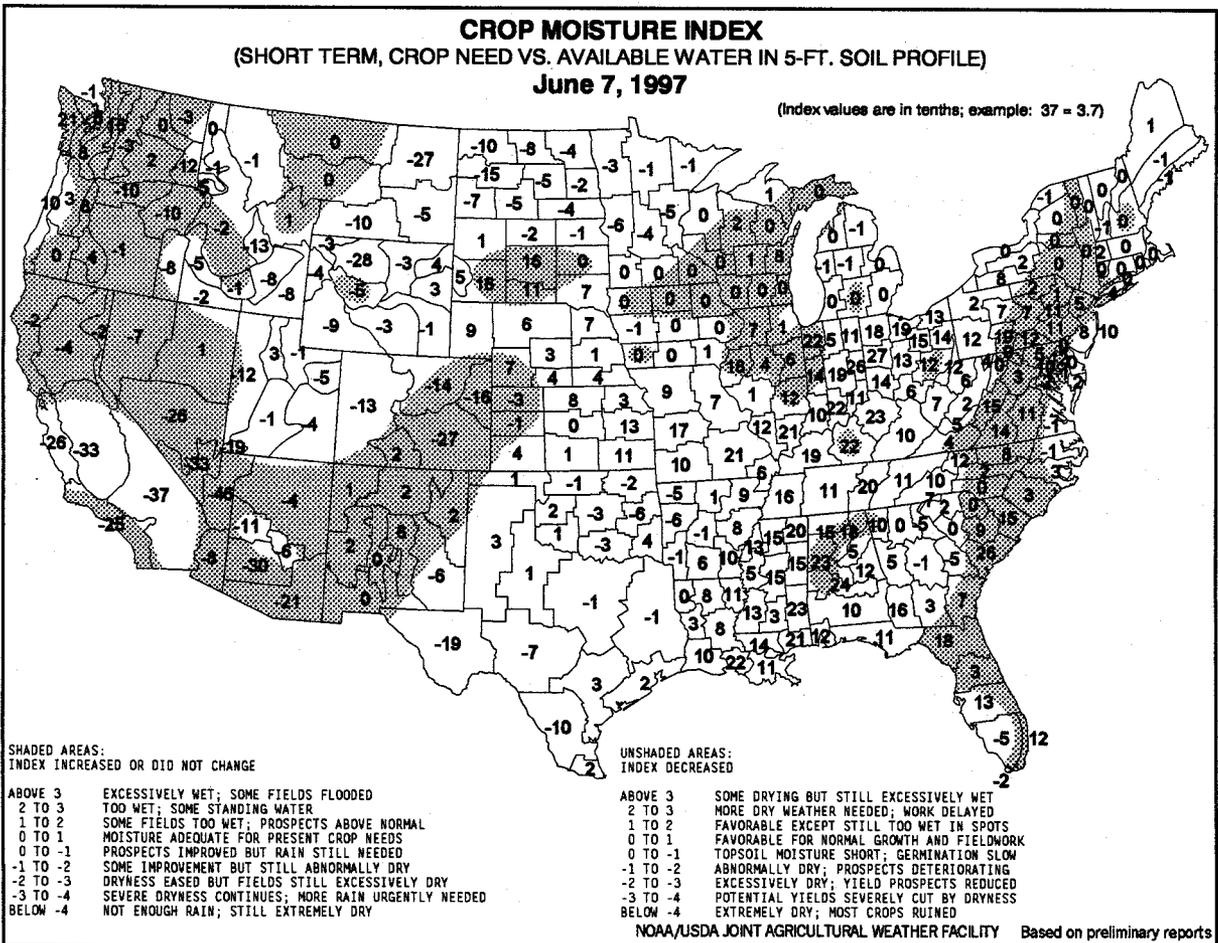
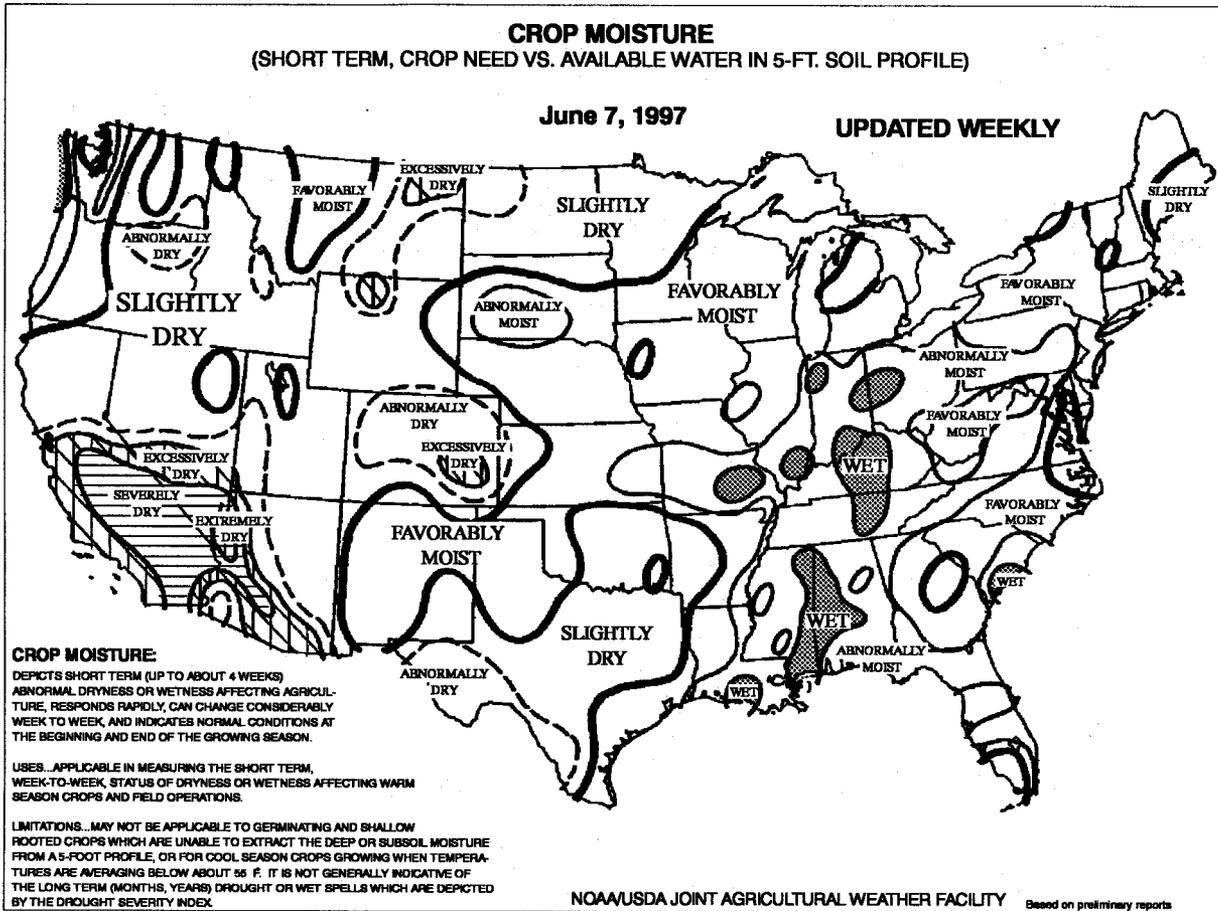
June 1 - 7, 1997

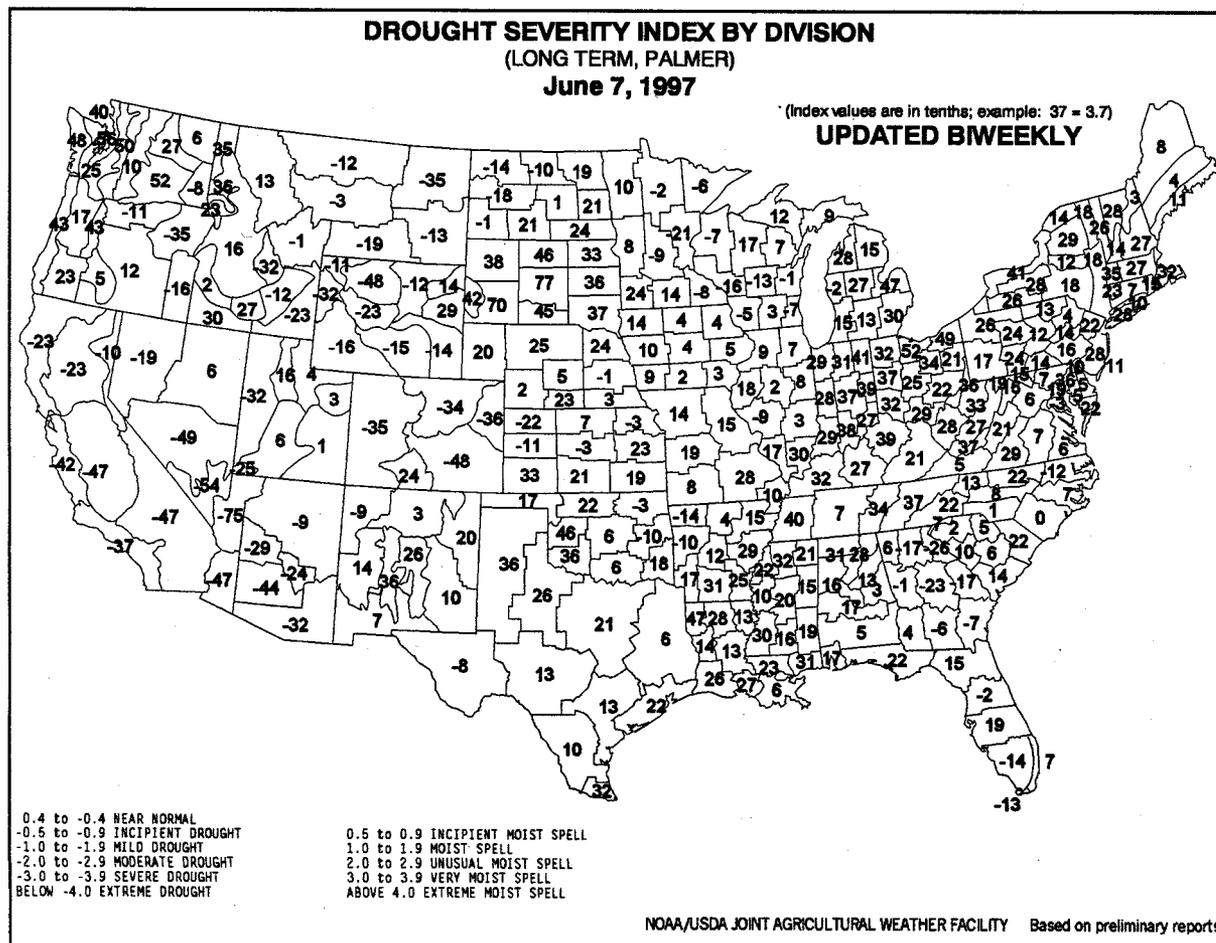
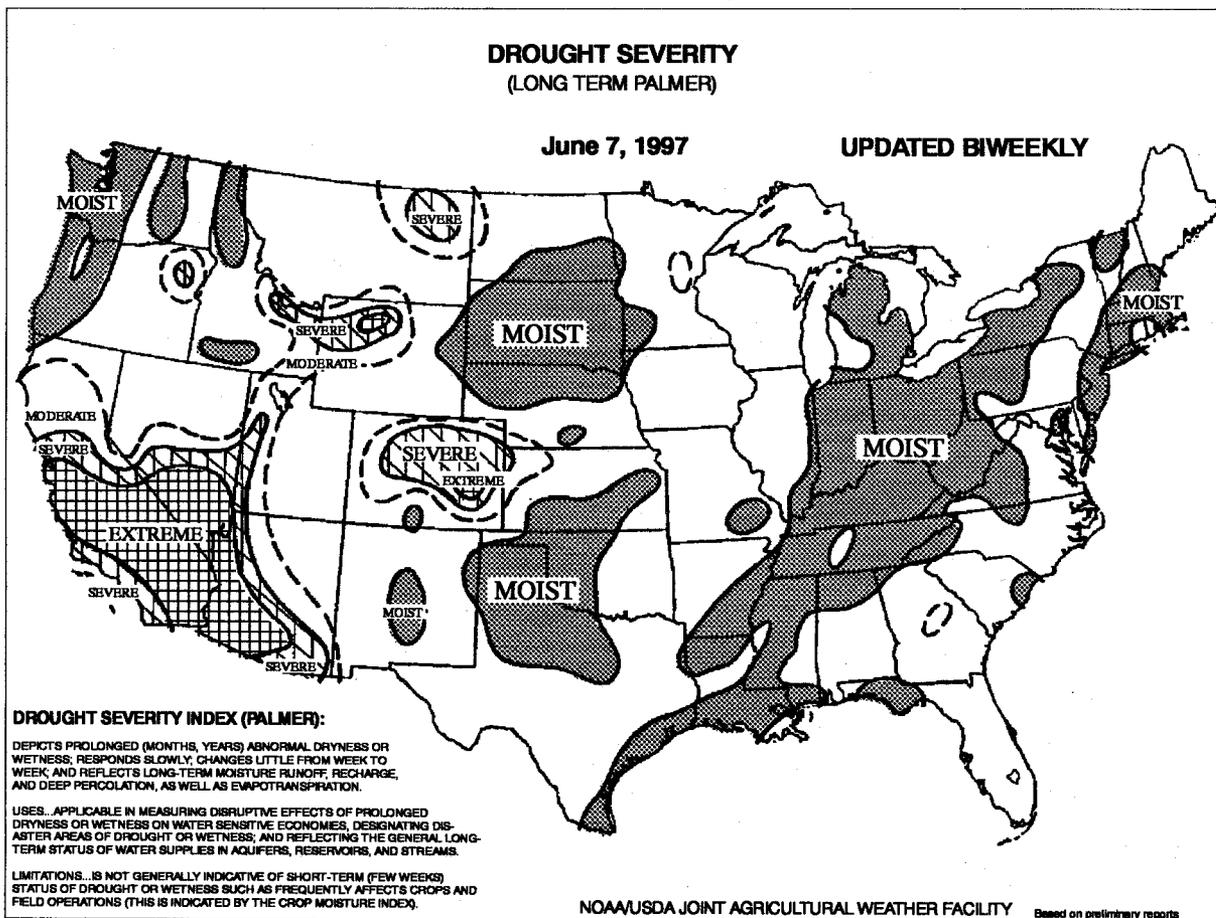
Persistent clouds and showers held temperatures in the 70's or below as far south as the **Ohio and Tennessee Valleys**. Temperatures averaged below normal for the ninth consecutive week in some areas from the **central and southern Plains** to the **East Coast**, including much of the **Corn Belt**. However, much warmer weather overspread the **northern Plains** and **upper Midwest**, spurring crop growth but reducing soil moisture. In the **Southwest**, cooler weather and scattered late-week thunderstorms tempered a 7-week hot spell. Farther north, out-of-season showers dampened areas as far south as **central California**.

(Continued on page 5)

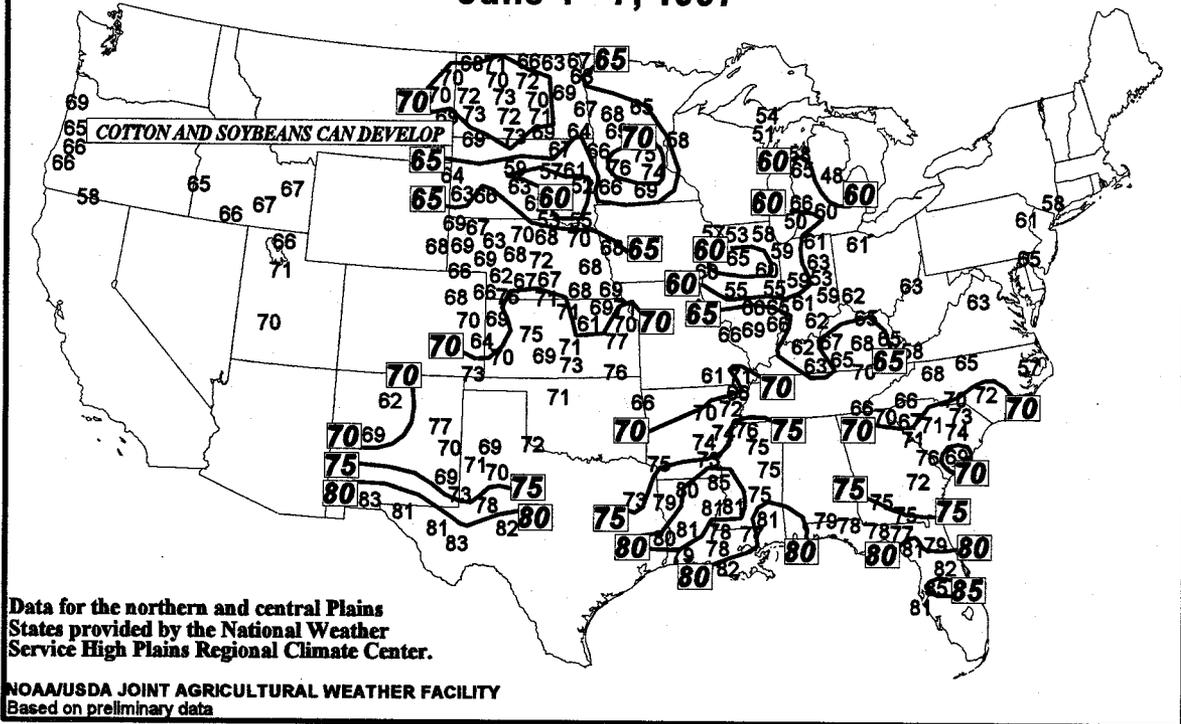
Contents

Crop Moisture Maps	2
Palmer Drought Maps	3
Soil Temperature & Pan Evaporation Maps	4
Temperature Departure & Extreme Maximum Temperature Maps	5
Growing Degree Day Maps	6
National Weather Data for Selected Cities	7
May Weather and Crop Summary	10
May Precipitation & Temperature Maps	12
May Weather Data for Selected Cities	13
National Agricultural Summary	14
Crop Progress and Condition Tables	15
Pasture Condition Table	17
State Agricultural Summaries	18
International Weather and Crop Summary	24
Subscription Information	28

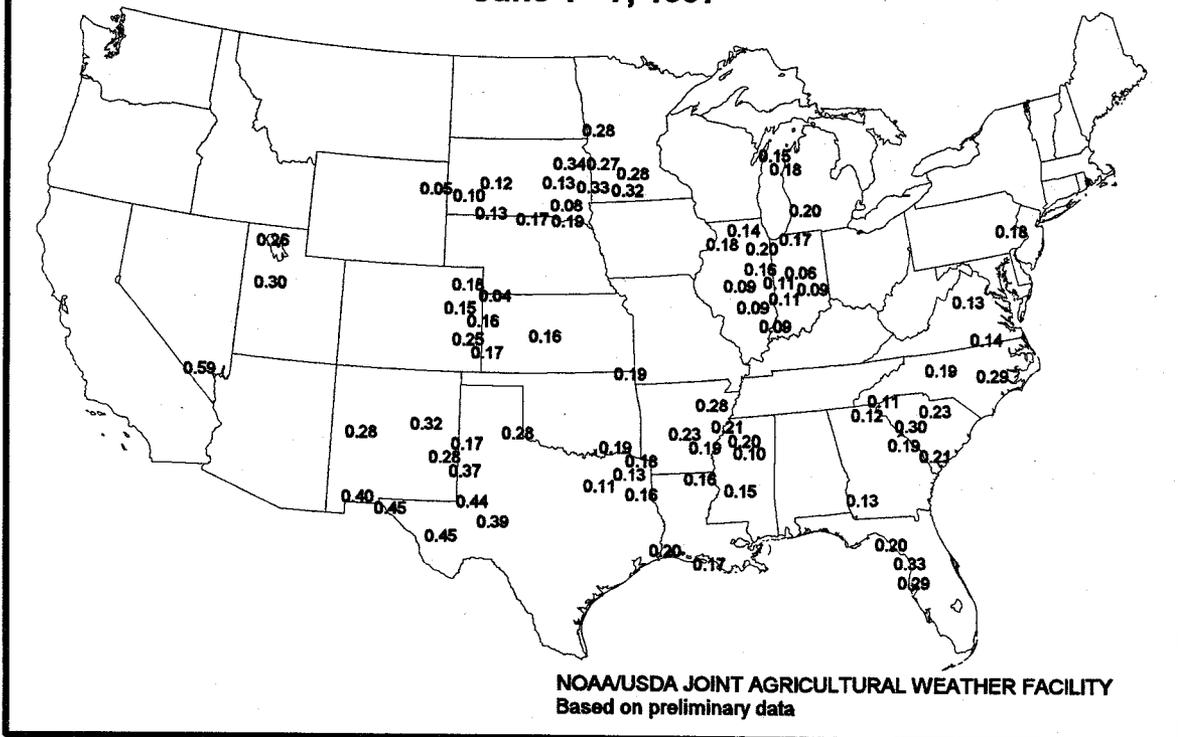




Average Soil Temperature (°F 4-Inch Bare) June 1 - 7, 1997



Average Pan Evaporation (Inches/Day) June 1 - 7, 1997



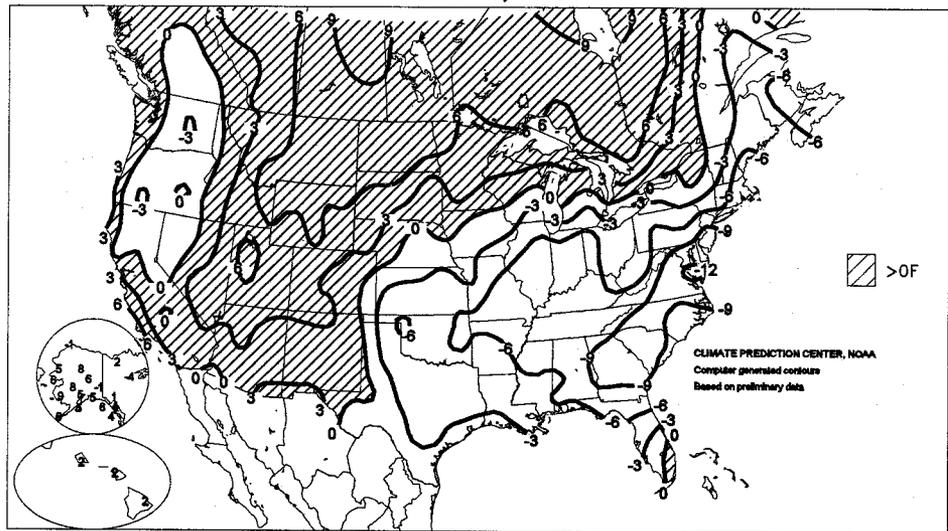
(Continued from front cover)

Heat continued in the **Southwest** early in the week, resulting in more than a dozen daily-record highs. In **El Paso, TX**, a high of 101°F on Sunday was bettered by a 102-degree reading 2 days later. In **Arizona**, both **Tucson** and **Safford** notched daily-record highs of 105°F on June 1. Elsewhere on Sunday, daily-record warmth reached areas as far east as **Denver, CO** (91°F) and **Minot, ND** (93°F). Very warm conditions (up to 9°F above normal) also prevailed in **Alaska**, except across the north. On Thursday, **Fairbanks** tallied a daily-record high of 86°F, contrasting sharply with maxima of 66°F in **Atlanta, GA** and 65°F in **Louisville, KY**. In **Hawaii, Honolulu** also reported a daily-record high (90°F) on June 5.

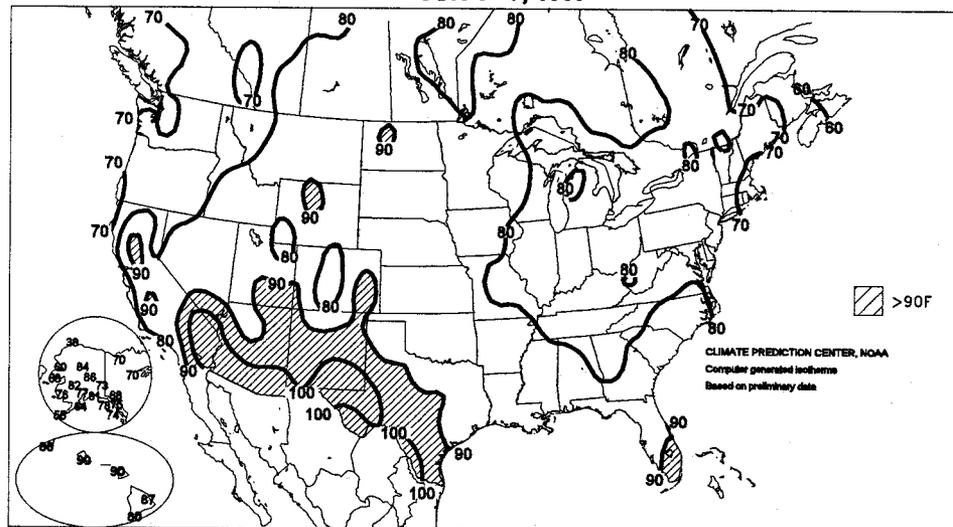
Sharply cooler weather invaded the **Southwest** after midweek. In **Albuquerque, NM**, maxima dropped from 96°F on June 1 to 70°F on June 7, accompanied by 0.55 inches of rain. Farther east, the week ended without the year's first episode of 90-degree heat in **Jackson, MS**, leaving the city 12 days short of its 1974 record. In **Indianapolis, IN**, where the mercury climbed to a year-to-date high of only 84°F on May 24, below-normal temperatures prevailed on 51 of 62 days from April 7-June 7, and on 32 of the past 38 days.

More than a dozen daily-record lows were set in the **East** after midweek, including 45°F on June 5 in **Raleigh-Durham, NC**. Maxima tied the lowest values on record in June at **Greensboro, NC** (56°F on Thursday), **Raleigh-Durham** (59°F on Thursday), and **Jacksonville, FL** (69°F on Friday). Torrential rainfall accompanied the cool weather across **South Carolina** on Friday, totaling 7.37 inches in downtown **Charleston**. Farther west, late-week rainfall locally topped 5 inches in **south-central Texas**. Earlier in the week, more than

Departure of Average Temperature from Normal (°F)
JUN 1 - 7, 1997



Extreme Maximum Temperature (°F)
JUN 1 - 7, 1997



4 inches drenched the eastern slopes of the **central Appalachians**, while as much as 2 to 4 inches fell across **central and western South Dakota**. On June 3-4, rainfall topped monthly normals in much of **central California**, including downtown **San Francisco** (0.28 inches, 187 percent of their June normal). Farther north, **Portland, OR** collected a daily-record rainfall (0.70 inches) on Tuesday.

Runoff from last week's heavy rainfall induced minor to moderate flooding in parts of the **Ohio, Illinois, and Maumee Valleys**. In **south-central Ohio**, the **Scioto River** at **Circleville** crested at 6.9 feet above flood stage on June 3. In **Indiana**, widespread flooding was reported along the **White, Wabash, and St. Mary's Rivers**.

National Weather Data for Selected Cities

Weather Data for the Week Ending June 7, 1997

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 Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	92 AND BELOW	PRECIP.		
																		.01 INCH OR MORE	.50 INCH OR MORE	
AL BIRMINGHAM	75	59	81	56	67	-7	0.93	0.06	-	0.93	107	24.77	93	95	65	0	0	5	0	
AL HUNTSVILLE	72	58	78	56	66	-8	0.50	-0.48	0.24	0.50	51	27.07	98	93	65	0	0	3	0	
AL MOBILE	81	63	85	58	72	-7	0.46	-0.70	0.36	0.46	40	30.70	110	94	58	0	0	3	0	
AL MONTGOMERY	77	61	83	58	69	-7	0.30	-0.77	0.21	0.30	28	24.11	93	94	62	0	0	3	0	
AK ANCHORAGE	66	46	77	38	56	4	0.23	0.01	0.13	0.23	105	2.24	57	85	40	0	0	3	0	
AK BARROW	33	25	38	17	29	-1	0.00	-0.03	0.00	0.00	0	0.27	36	95	79	0	7	0	0	
AK FAIRBANKS	76	49	86	37	63	6	0.00	-0.26	0.00	0.00	0	0.73	29	60	22	0	0	0	0	
AK JUNEAU	62	48	75	45	55	4	-	-	-	-	-	-	93	54	0	0	-	-	-	
AK KODIAK	59	46	64	40	52	5	0.00	-1.23	0.00	0.00	0	32.72	116	87	59	0	0	0	0	
AK NOME	56	41	68	30	49	6	0.01	-0.18	0.01	0.01	6	4.06	118	83	59	0	1	1	0	
AZ FLAGSTAFF	74	43	81	37	58	2	0.08	0.08	0.08	0.08	-	6.27	70	52	22	0	0	1	0	
AZ PHOENIX	98	75	105	69	87	2	0.00	0.00	0.00	0.00	0	1.70	65	31	13	6	0	0	0	
AZ PRESCOTT	81	54	90	49	68	4	0.07	0.07	0.05	0.07	-	4.40	70	46	16	1	0	2	0	
AZ TUCSON	98	87	105	59	83	2	0.02	0.02	0.02	0.02	-	2.55	93	23	9	6	0	1	0	
AZ YUMA	96	71	105	62	84	-1	0.20	0.20	0.20	0.20	-	0.75	77	47	21	4	0	1	0	
AR FORT SMITH	83	58	90	54	70	-4	0.00	-0.94	0.00	0.00	0	16.46	88	93	45	1	0	0	0	
AR LITTLE ROCK	82	60	90	55	71	-5	0.08	-0.85	-	0.08	9	27.17	119	87	45	1	0	0	0	
CA BAKERSFIELD	86	62	93	59	74	-1	0.00	-0.03	0.00	0.00	0	2.99	80	67	31	1	0	0	0	
CA EUREKA	65	53	66	50	59	4	0.95	0.77	0.92	0.95	528	19.02	92	89	71	0	0	3	1	
CA FRESNO	86	62	94	59	74	0	0.01	-0.02	0.01	0.01	33	3.52	51	69	33	1	0	1	0	
CA LOS ANGELES	75	64	76	62	70	5	0.00	0.00	0.00	0.00	0	4.21	54	84	61	0	0	0	0	
CA REDDING	84	59	94	54	72	-1	1.46	1.26	0.85	1.46	763	16.47	89	71	29	2	0	2	2	
CA SACRAMENTO/MCCLELL	85	62	95	57	74	-1	0.16	-	0.12	0.16	-	8.81	-	82	32	2	0	2	0	
CA SAN DIEGO	72	65	78	64	68	3	0.00	-0.03	0.00	0.00	0	3.54	58	79	62	0	0	0	0	
CA SAN FRANCISCO	70	56	72	53	63	2	0.18	0.15	0.17	0.18	600	8.74	72	88	58	0	0	2	0	
CA ALAMOSA	79	42	85	36	60	4	0.18	0.04	0.10	0.18	129	2.42	109	84	20	0	0	2	0	
CA COLORADO	74	62	82	50	63	1	1.01	0.51	0.63	1.01	202	6.27	115	90	49	0	0	5	1	
CA DENVER	81	52	91	45	66	3	1.11	0.66	1.02	1.11	247	4.84	70	92	37	0	0	2	1	
CA GRAND JUNCTION	89	58	93	50	73	4	0.00	-0.14	0.00	0.00	0	4.88	133	54	18	3	0	0	0	
CA PUEBLO	82	53	91	49	68	0	1.18	0.93	0.78	1.18	472	4.85	129	87	37	1	0	2	1	
CT BRIDGEPORT	64	53	68	50	58	-6	0.27	-0.55	0.17	0.27	33	16.69	90	85	61	0	0	3	0	
CT HARTFORD	70	49	74	44	60	-6	0.11	-0.82	0.06	0.11	12	14.03	73	88	50	0	0	2	0	
DC WASHINGTON	68	55	75	51	61	-11	2.03	1.23	1.10	2.03	254	17.00	108	88	68	0	0	3	2	
DE WILMINGTON	67	51	79	47	59	-9	1.20	0.38	0.97	1.20	146	10.65	61	94	61	0	0	3	1	
FL DAYTONA BEACH	82	65	88	59	74	-4	2.18	0.88	1.47	2.18	169	14.02	89	95	61	0	0	5	1	
FL JACKSONVILLE	77	64	84	61	71	-7	1.74	0.60	0.89	1.74	153	15.77	89	95	66	0	0	4	2	
FL KEY WEST	87	76	89	73	82	-1	0.44	-0.73	0.41	0.44	38	10.58	89	82	80	0	0	2	0	
FL MIAMI	89	73	90	72	81	1	1.15	-1.02	0.80	1.15	63	21.43	121	90	58	2	0	5	1	
FL ORLANDO	86	67	89	61	76	-4	1.15	-0.34	1.08	1.15	77	15.30	100	93	49	0	0	2	1	
FL TAMPA	85	69	87	66	77	-3	0.04	-1.06	0.04	0.04	4	15.32	114	87	55	0	0	1	0	
FL VALPARAISO/EGLIN	83	64	86	63	74	-4	0.05	-0.98	0.03	0.05	6	28.03	115	88	57	0	0	2	0	
FL WEST PALM BEACH	87	71	90	70	79	-1	4.84	2.93	3.87	4.84	253	25.00	126	95	71	0	0	4	3	
GA ATHENS	72	57	78	55	64	-10	0.55	-0.35	0.37	0.55	61	19.85	84	95	67	0	0	4	0	
GA ATLANTA	69	56	74	53	62	-11	0.35	-0.46	0.24	0.35	43	22.78	92	92	65	0	0	3	0	
GA AUGUSTA	74	60	82	56	67	-8	0.27	-0.67	0.17	0.27	29	16.02	76	93	59	0	0	4	0	
GA COLUMBUS	75	59	78	57	67	-10	0.83	-0.25	0.58	0.83	72	23.09	94	90	60	0	0	2	1	
GA MACON	74	59	80	57	67	-9	0.09	-0.71	0.08	0.09	11	19.27	88	92	63	0	0	2	0	
GA SAVANNAH	75	61	85	57	68	-9	1.23	0.03	0.57	1.23	103	14.47	76	96	60	0	0	5	2	
HI HILO	83	71	87	70	77	2	3.56	2.07	1.06	3.56	239	49.75	82	93	68	0	0	6	3	
HI HONOLULU	88	73	90	69	80	2	0.05	-0.10	0.05	0.05	36	14.45	134	80	52	1	0	1	0	
HI KAHULUI	86	72	90	67	79	2	-	-	-	-	-	-	88	82	1	0	-	-	-	
HI LIHUE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ID BOISE	75	54	81	49	64	1	0.33	0.11	0.17	0.33	150	8.75	106	80	35	0	0	2	0	
ID LEWISTON	71	53	77	50	62	-2	0.20	-0.13	0.17	0.20	61	8.85	147	82	46	0	0	3	0	
ID POCATELLO	77	50	87	45	64	4	0.04	-0.24	0.02	0.04	14	4.76	79	77	36	0	0	2	0	
IL CHICAGO/OHARE	69	51	76	45	60	-5	0.09	-0.77	0.09	0.09	10	11.91	89	88	63	0	0	1	0	
IL MOLINE	76	54	79	49	65	-3	1.45	0.49	1.10	1.45	148	15.26	102	90	46	0	0	3	1	
IL PEORIA	72	54	75	50	63	-6	0.67	-0.22	0.56	0.67	75	13.44	95	94	63	0	0	4	1	
IL ROCKFORD	72	63	76	49	63	-3	1.25	0.23	0.97	1.25	123	14.25	108	86	50	0	0	3	1	
IL SPRINGFIELD	70	56	74	51	63	-7	0.19	-0.61	0.11	0.19	24	10.68	73	96	70	0	0	3	0	
IN EVANSVILLE	69	58	75	53	64	-8	2.01	1.14	0.94	2.01	231	27.26	136	93	77	0	0	5	2	
IN FORT WAYNE	67	54	75	49	60	-7	1.57	0.74	1.44	1.57	189	17.99	126	96	71	0	0	4	1	
IN INDIANAPOLIS	66	56	73	51	61	-8	0.96	0.16	0.50	0.96	120	19.86	116	93	74	0	0	3	1	
IN SOUTH BEND	68	54	76	46	61	-6	1.09	0.18	0.68	1.09	120	13.08	96	91	55	0	0	3	1	
IA BURLINGTON	74	55	79	50	65	-4	0.34	-0.58	0.22	0.34	37	13.97	104	87	54	0	0	2	0	
IA CEDAR RAPIDS	75	54	79	49	65	-2	0.61	-0.42	0.52	0.61	58	11.94	97	89	50	0	0	2	0	
IA DES MOINES	79	58	81	50	67	0	0.31	-0.76	0.15	0.31	29	9.94	77	85	44	0	0	3	0	
IA DUBUQUE	73	53	78	49	63	-2	0.95	-0.04	0.83	0.95	96	12.00	83	88	50	0	0	3	1	
IA SIOUX CITY	83	54	88	50	68	1	0.00	-0.88	0.00	0.00	0	7.57	75	81	34	0	0	0	0	
IA WATERLOO	79	63	83	48	68	0	0.80	-0.20	0.80	0.80	80	10.39	83	88	42	0	0	1	1	
KS CONCORDIA	80	54	85	50	67	-3	0.19	-0.68	0.19	0.19	18	7.17	64	90	43	0	0	1	0	
KS DODGE CITY	77	56	82	54	67	-4	0.72	0.00	0.43	0.72	101	7.00	83	87	53	0	0	3	0	
KS GOODLAND	77	52	85	49	65	-1	0.16	-0.63	-	0.16	20	3.91	52	92	46	0	0	2	0	
KS TOPEKA	80	55	85	50	68	-3	0.05	-1.27	0.04	0.05	4	11.74	88	95	41	0	0	2	0	

Based on 1961-90 normals

Weather Data for the Week Ending June 7, 1997

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 Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	92 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE		
WICHITA	79	56	84	52	68	-4	0.12	-1.21	0.12	0.12	9	11.71	88	89	43	0	0	1	0		
KY JACKSON	70	56	76	53	63	-6	0.44	-0.53	0.18	0.44	46	22.69	103	91	69	0	0	6	1		
LEXINGTON	69	54	79	52	62	-8	1.39	0.56	0.88	1.39	166	33.69	171	97	72	0	0	5	0		
LOUISVILLE	69	58	79	56	64	-7	1.06	0.23	0.55	1.06	128	36.24	177	98	76	0	0	5	1		
PADUCAH	72	59	77	56	66	-7	1.30	0.31	0.59	1.30	131	29.63	129	97	70	0	0	4	2		
LA BATON ROUGE	84	66	86	59	75	-4	0.04	-0.92	0.04	0.04	4	34.07	129	95	53	0	0	1	0		
LAKE CHARLES	87	66	89	60	77	-2	0.23	-0.99	0.20	0.23	19	33.19	154	93	49	0	0	2	0		
NEW ORLEANS	83	69	86	64	76	-2	0.19	-1.08	0.13	0.19	15	24.12	92	85	51	0	0	3	0		
SHREVEPORT	84	62	87	59	73	-3	0.25	-0.86	0.25	0.25	23	36.67	158	90	45	0	0	1	0		
ME CARIBOU	66	40	74	35	53	-4	0.01	-0.64	0.01	0.01	2	14.05	108	87	41	0	0	1	0		
ME PORTLAND	61	43	65	40	52	-7	0.16	-0.67	0.16	0.16	19	16.39	86	96	60	0	0	1	0		
MD BALTIMORE	67	50	77	44	59	-11	2.08	1.22	0.93	2.08	229	18.23	108	94	65	0	0	3	3		
MA BOSTON	59	50	65	47	55	-10	0.02	-0.72	0.01	0.02	3	13.87	75	88	62	0	0	2	0		
MA WORCESTER	61	47	65	43	54	-7	0.12	-0.82	0.08	0.12	13	17.37	86	89	57	0	0	2	0		
MI ALPENA	75	44	80	40	59	1	0.00	-0.70	0.00	0.00	0	13.06	122	94	36	0	0	0	0		
MI GRAND RAPIDS	73	53	77	47	63	-1	0.00	-0.85	0.00	0.00	0	12.85	97	95	52	0	0	0	0		
MI HOUGHTON LAKE	75	47	76	41	61	1	0.15	-0.55	0.15	0.15	21	10.65	105	88	32	0	0	1	0		
MI LANSING	71	50	76	45	60	-3	0.12	-0.67	0.12	0.12	15	12.13	106	91	50	0	0	1	0		
MI MARQUETTE	-	-	-	-	-	-	0.00	-9.99	0.00	0.00	-	-	-	-	-	0	0	0	0		
MI MUSKOGON	76	52	80	46	64	2	0.29	-0.29	0.29	0.29	50	10.65	86	90	43	0	0	1	0		
MN DULUTH	72	48	82	46	60	3	0.34	-0.52	0.26	0.34	40	6.17	61	84	48	0	0	2	0		
MN INT'L FALLS	75	52	81	46	64	5	0.25	-0.59	0.11	0.25	30	5.09	68	86	44	0	0	5	0		
MN MINNEAPOLIS	80	56	86	52	68	3	0.89	-0.24	0.31	0.89	74	6.45	61	77	38	0	0	3	0		
MN ROCHESTER	75	53	80	50	64	1	0.27	-0.56	0.27	0.27	33	9.80	96	86	46	0	0	1	0		
MN ST. CLOUD	80	54	87	48	67	5	0.77	-0.29	0.63	0.77	73	5.85	63	81	32	0	0	2	1		
MS JACKSON	82	62	85	56	72	-4	0.00	-0.85	0.00	0.00	0	28.01	100	96	54	0	0	0	0		
MS MERIDIAN	80	61	83	57	71	-5	0.10	-0.71	0.05	0.10	12	30.64	109	97	61	0	0	3	0		
MS TUPELO	75	61	80	59	68	-7	1.19	0.20	0.55	1.19	120	31.59	114	97	67	0	0	4	1		
MO COLUMBIA	73	54	79	50	63	-5	0.14	-0.84	0.08	0.14	14	17.63	111	97	62	0	0	4	0		
MO KANSAS CITY	78	57	82	51	67	-3	0.00	-1.15	0.00	0.00	0	13.44	96	83	46	0	0	0	0		
MO SAINT LOUIS	72	58	79	56	65	-7	0.14	-0.74	0.09	0.14	16	15.52	98	92	65	0	0	3	0		
MO SPRINGFIELD	75	51	79	47	63	-7	0.02	-1.28	0.02	0.02	2	16.85	95	97	53	0	0	1	0		
MT BILLINGS	80	56	88	53	68	7	0.32	-0.24	0.23	0.32	57	4.44	58	84	42	0	0	4	0		
MT BUTTE	73	46	84	41	60	7	0.39	-0.13	0.24	0.39	75	6.53	171	93	41	0	0	3	0		
MT GLASGOW	83	56	88	48	69	8	0.03	-0.47	0.03	0.03	6	3.48	87	71	28	0	0	1	0		
MT GREAT FALLS	75	48	84	38	62	3	0.50	-0.13	0.26	0.50	79	5.85	82	88	43	0	0	3	0		
MT KALISPELL	66	47	73	40	57	1	0.46	-0.09	0.24	0.46	84	8.90	125	93	52	0	0	6	0		
MT MILES CITY	86	61	89	50	73	10	0.06	-0.61	0.06	0.06	9	3.60	61	74	30	0	0	1	0		
MT MISSOULA	69	49	74	45	59	2	0.50	0.03	0.26	0.50	106	7.94	127	87	48	0	0	3	0		
NE GRAND ISLAND	80	56	83	53	68	0	0.28	-0.68	0.28	0.28	29	6.49	63	88	43	0	0	1	0		
NE LINCOLN	82	54	85	48	68	-1	0.00	-0.95	0.00	0.00	0	7.30	67	87	37	0	0	0	0		
NE NORFOLK	80	56	83	51	68	0	0.17	-0.89	0.17	0.17	16	7.60	75	84	39	0	0	1	0		
NE NORTH PLATTE	78	53	83	48	66	1	0.80	0.00	0.43	0.80	100	3.50	42	93	50	0	0	3	0		
NE OMAHA	81	55	88	50	68	-1	0.00	-0.98	0.00	0.00	0	6.25	53	88	37	0	0	0	0		
NE SCOTTSBLUFF	77	55	86	49	66	3	1.36	0.70	0.94	1.36	206	11.40	162	95	53	0	0	4	1		
NE VALENTINE	78	53	87	45	66	1	0.64	0.95	0.98	1.64	238	8.29	115	90	47	0	0	4	2		
NV ELY	77	47	81	38	62	6	0.02	-0.21	0.01	0.02	9	3.63	77	63	23	0	0	2	0		
NV LAS VEGAS	95	75	100	71	85	4	0.00	-0.03	0.00	0.00	0	0.24	13	28	14	6	0	0	0		
NV RENO	74	47	83	40	60	-1	0.02	-0.12	0.02	0.02	14	4.41	110	71	28	0	0	1	0		
NV WINNEMUCCA	73	47	82	38	60	-1	0.65	0.43	0.33	0.65	295	3.80	94	80	39	0	0	4	0		
NH CONCORD	68	44	73	37	56	-5	0.09	-0.65	0.09	0.09	12	14.36	99	89	43	0	0	1	0		
NJ NEWARK	67	53	78	49	60	-9	1.39	0.63	1.31	1.39	183	18.42	97	89	55	0	0	3	1		
NM ALBUQUERQUE	86	61	96	52	73	2	0.55	0.44	0.33	0.55	688	3.40	134	58	18	2	0	2	0		
NY ALBANY	71	52	76	45	61	-2	0.03	-0.82	0.03	0.03	4	10.78	73	85	46	0	0	1	0		
NY BINGHAMTON	66	50	74	45	58	-3	0.27	-0.56	0.26	0.27	33	11.82	80	91	55	0	0	2	0		
NY BUFFALO	69	53	78	47	61	-2	1.19	0.36	0.67	1.19	143	18.10	124	90	58	0	0	4	1		
NY ROCHESTER	70	50	78	44	60	-2	0.92	0.22	0.54	0.92	131	12.80	102	95	53	0	0	3	1		
NY SYRACUSE	72	52	78	47	62	-1	0.56	-0.29	0.43	0.56	66	11.57	79	91	50	0	0	3	0		
NC ASHEVILLE	66	52	74	48	59	-9	1.60	0.44	0.75	1.60	138	24.90	103	97	66	0	0	5	1		
NC CHARLOTTE	70	57	81	52	63	-10	1.51	0.71	1.23	1.51	189	18.02	93	92	61	0	0	3	1		
NC GREENSBORO	68	53	80	48	61	-10	1.30	0.42	0.59	1.30	148	20.09	112	95	68	0	0	4	1		
NC HATTERAS	66	60	73	55	63	-9	1.46	0.52	0.50	1.46	155	21.29	96	94	81	0	0	6	1		
NC RALEIGH	70	55	82	45	62	-10	2.39	1.52	1.59	2.39	275	18.75	102	96	66	0	0	5	1		
NC WILMINGTON	73	59	84	51	66	-8	1.24	0.23	0.57	1.24	123	15.29	71	97	68	0	0	5	1		
ND BISMARCK	84	54	88	50	69	8	0.07	-0.56	0.04	0.07	11	6.02	98	93	36	0	0	2	0		
ND DICKINSON	83	54	88	49	69	8	0.26	-0.50	0.26	0.26	34	5.98	90	82	33	0	0	1	0		
ND FARGO	81	56	89	52	69	6	0.72	0.08	0.72	0.72	113	8.93	126	81	36	0	0	1	1		
ND GRAND FORKS	82	58	92	53	70	9	0.31	-0.31	0.29	0.31	60	5.35	87	81	38	1	0	2	0		
ND JAMESTOWN	81	58	89	52	70	8	0.98	0.35	0.96	0.98	156	5.56	93	81	38	0	0	2	1		
ND WILLISTON	85	54	91	42	69	8	0.00	-0.52	0.00	0.00	0	1.84	34	67	25	1	0	0	0		
OH AKRON-CANTON	69	52	73	44	60	-5	0.71	-0.03	0.49	0.71	96	14.52	95	87	61	0	0	2	0		
OH CINCINNATI	68	54	76	51	61	-7	1.29	0.38	0.57	1.29	142	20.07	109	96	71	0	0	5	1		
OH CLEVELAND	68	52	75	45	60	-4	1.52	0.67	0.97	1.52	179	15.89	109	92	64	0	0	3	1		
OH COLUMBUS	73	56	77	50	64	-3	1.19	0.25	1.00	1.19	127	16.17	103	85	54	0	0	4	1		
OH DAYTON	68	55	72	51	61	-6	1.39	0.48	1.30	1.39	153	16.71	105	91	67	0	0	5	1		
OH MANSFIELD	68	52	74	46	60	-5	0.95	0.00	0.89	0.95	100	18.32	113	87	59	0	0	2	1		

Based on 1961-90 normals

Weather Data for the Week Ending June 7, 1997

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 Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	92 AND BELOW	PRECIP.	
																		01 INCH OR MORE	50 INCH OR MORE
OK TOLEDO	67	51	75	47	59	-6	1.42	0.58	1.01	1.42	169	18.22	142	89	60	0	0	3	1
OK YOUNGSTOWN	68	51	73	41	59	-4	1.55	0.66	1.05	1.55	174	12.82	87	91	58	0	0	3	1
OK OKLAHOMA CITY	81	59	86	57	70	-4	0.01	-1.15	0.01	0.01	1	11.32	78	85	45	0	0	1	0
OR TULSA	83	56	90	53	69	-5	0.07	-1.12	0.07	0.07	6	11.10	64	94	38	1	0	1	0
OR ASTORIA	64	51	72	46	58	2	1.22	0.58	0.48	1.22	191	43.02	131	95	61	0	0	6	0
OR BURNS	68	43	74	36	55	1	0.20	-0.02	0.10	0.20	91	5.75	125	88	36	0	0	2	0
OR EUGENE	69	47	74	41	58	-1	0.37	-0.04	0.30	0.37	90	21.35	86	97	54	0	0	3	0
OR MEDFORD	73	51	81	46	62	-2	0.34	0.16	0.24	0.34	189	8.91	101	88	41	0	0	2	0
OR PENDLETON	70	49	75	45	60	-3	0.56	0.37	0.41	0.56	295	4.62	76	88	44	0	0	2	0
OR PORTLAND	69	54	77	50	61	0	1.27	0.85	0.74	1.27	302	24.47	139	91	51	0	0	4	1
PA SALEM	69	50	74	44	59	1	0.42	0.05	0.36	0.42	114	24.99	130	95	53	0	0	4	0
PA ALLENTOWN	68	51	77	48	60	-7	1.79	0.90	1.67	1.79	201	14.35	80	91	58	0	0	4	0
PA ERIE	67	52	76	44	60	-4	2.18	1.23	0.92	2.18	229	20.05	133	93	61	0	0	6	2
PA MIDDLETOWN	70	54	80	49	61	-6	2.03	1.09	1.64	2.03	214	13.16	75	91	66	0	0	3	1
PA PHILADELPHIA	67	52	78	47	59	-10	1.33	0.48	1.21	1.33	156	16.33	92	91	61	0	0	3	1
PA PITTSBURGH	69	53	75	45	61	-4	0.88	0.03	0.40	0.88	104	15.11	95	89	57	0	0	3	0
PA SCRANTON	69	50	77	46	59	-5	0.80	-0.11	0.68	0.80	88	9.92	69	92	56	0	0	2	1
PA WILLIAMSPORT	70	51	77	46	61	-5	1.10	0.11	1.02	1.10	111	10.42	63	97	57	0	0	2	1
RI PROVIDENCE	66	49	69	45	57	-7	0.62	-0.19	0.51	0.62	77	17.37	86	86	56	0	0	2	1
SC BEAUFORT	73	62	83	57	68	-9	2.42	1.12	0.89	2.42	186	17.05	89	98	66	0	0	6	2
SC CHARLESTON	74	62	84	58	68	-9	5.82	4.47	4.89	5.82	431	21.13	111	96	67	0	0	5	2
SC COLUMBIA	74	60	85	56	67	-8	1.22	0.19	1.19	1.22	118	17.24	81	86	54	0	0	2	1
SC GREENVILLE	69	57	77	54	63	-10	0.28	-0.82	0.24	0.28	25	21.28	91	91	61	0	0	2	0
SD ABERDEEN	76	55	82	50	66	2	1.36	0.60	0.94	1.36	179	6.88	89	89	52	0	0	3	1
SD HURON	78	55	83	48	66	2	0.56	-0.22	0.55	0.56	72	6.57	77	88	48	0	0	2	1
SD RAPID CITY	78	54	83	50	66	5	1.74	1.00	1.25	1.74	235	12.56	174	91	52	0	0	3	1
SD SIOUX FALLS	78	54	82	46	66	1	0.00	-0.80	0.00	0.00	0	8.03	88	81	39	0	0	0	0
TN BRISTOL	71	54	74	51	62	-6	1.11	0.31	0.87	1.11	139	23.67	129	90	59	0	0	4	1
TN CHATTANOOGA	73	58	79	58	65	-7	0.78	-0.03	0.30	0.78	96	27.34	108	93	57	0	0	3	0
TN KNOXVILLE	73	57	78	54	65	-6	1.16	0.25	0.62	1.16	127	28.03	127	96	54	0	0	6	1
TN MEMPHIS	78	61	83	60	69	-7	0.21	-0.70	0.14	0.21	23	40.40	163	94	57	0	0	2	0
TN NASHVILLE	70	59	73	58	65	-8	0.14	-0.76	0.10	0.14	16	24.19	108	93	70	0	0	3	0
TX ABILENE	86	64	91	57	75	-3	0.67	-0.05	0.67	0.67	93	9.71	106	88	46	2	0	1	1
TX AMARILLO	79	58	86	55	68	-3	0.00	-0.85	0.00	0.00	0	9.72	152	92	54	0	0	0	0
TX AUSTIN	86	67	90	61	77	-3	1.29	0.27	0.65	1.29	126	20.53	146	88	56	1	0	3	1
TX BEAUMONT	86	67	88	58	76	-3	1.19	-0.15	1.19	1.19	89	23.46	107	92	54	0	0	1	1
TX BROWNSVILLE	89	69	93	63	79	-3	0.00	-0.70	0.00	0.00	0	13.82	166	93	52	3	0	1	0
TX CORPUS CHRISTI	90	67	93	61	78	-2	1.58	0.73	1.03	1.58	186	17.45	166	95	50	4	0	2	2
TX DEL RIO	91	69	97	66	80	-1	0.06	-0.44	0.06	0.06	12	13.30	197	81	44	4	0	1	0
TX EL PASO	96	68	102	62	82	4	0.16	0.07	0.15	0.16	178	2.36	139	54	21	6	0	2	0
TX FORT WORTH	84	64	87	59	74	-2	0.00	-0.96	0.00	0.00	0	20.54	119	89	55	0	0	0	0
TX GALVESTON	85	74	88	70	80	0	0.14	-0.87	0.14	0.14	14	27.50	186	79	56	0	0	1	0
TX HOUSTON	87	64	89	57	78	-3	0.09	-1.16	0.09	0.09	7	30.06	159	95	51	0	0	1	0
TX LUBBOCK	84	61	90	59	73	-2	0.24	-0.41	0.24	0.24	37	10.33	176	84	42	2	0	1	0
TX MIDLAND	91	65	101	61	78	0	0.04	-0.34	0.04	0.04	11	4.95	102	80	34	4	0	1	0
TX SAN ANGELO	88	63	96	53	75	-2	0.00	-0.66	0.00	0.00	0	12.73	157	88	42	3	0	0	0
TX SAN ANTONIO	87	67	92	59	77	-3	0.84	-0.16	0.63	0.84	84	14.63	114	90	54	1	0	3	1
TX VICTORIA	87	67	90	61	77	-3	1.47	0.27	1.01	1.47	123	39.30	284	96	58	1	0	4	1
TX WACO	87	63	90	55	75	-4	0.00	-0.91	0.00	0.00	0	23.05	156	94	50	2	0	0	0
TX WICHITA FALLS	81	62	84	60	72	-6	0.22	-0.73	0.22	0.22	23	11.82	93	90	49	0	0	1	0
UT SALT LAKE CITY	84	59	92	53	71	6	0.07	-0.20	0.06	0.07	26	8.93	106	70	30	2	0	2	0
VT BURLINGTON	74	50	77	48	62	0	0.24	-0.55	0.24	0.24	30	9.48	77	87	38	0	0	1	0
VA LYNCHBURG	67	51	76	40	58	-11	2.41	1.80	1.39	2.41	298	17.98	105	93	63	0	0	5	2
VA NORFOLK	67	58	82	53	62	-10	0.75	-0.10	0.36	0.75	88	13.06	70	92	76	0	0	4	0
VA RICHMOND	69	52	81	46	60	-11	1.26	0.46	0.63	1.26	152	15.16	86	96	66	0	0	3	2
VA ROANOKE	68	52	79	47	60	-9	1.90	1.12	1.03	1.90	244	15.42	90	92	61	0	0	3	1
WA WASH/DULLES	67	50	74	43	59	-9	0.49	-0.46	0.28	0.49	52	13.97	83	94	66	0	0	3	0
WA HANFORD	77	53	82	48	65	-	0.28	0.15	0.25	0.28	215	3.40	118	65	30	0	0	2	0
WA OLYMPIA	68	49	72	41	58	1	0.87	0.43	0.48	0.87	189	34.61	141	96	57	0	0	5	0
WA QUILLAYUTE	62	47	69	41	55	1	1.59	0.71	0.65	1.59	181	66.69	128	98	67	0	0	6	2
WA SEATTLE-TACOMA	68	52	71	48	58	0	0.17	-0.22	0.08	0.17	44	24.59	142	96	67	0	0	5	0
WA SPOKANE	67	48	73	44	58	-1	0.27	-0.06	0.19	0.27	82	10.57	134	96	49	0	0	3	0
WA YAKIMA	74	48	79	39	61	-1	0.81	0.47	0.45	0.81	508	3.06	83	87	34	0	0	2	0
WV BECKLEY	68	51	75	47	59	-8	0.19	-0.66	0.10	0.19	22	17.43	100	88	59	0	0	4	0
WV CHARLESTON	74	54	83	47	64	-5	1.68	0.88	1.25	1.68	210	19.65	111	93	51	0	0	5	1
WV ELKINS	68	48	77	37	58	-4	0.34	-0.68	0.20	0.34	33	19.68	104	89	53	0	0	3	0
WV HUNTINGTON	72	56	79	49	63	-4	0.30	-0.48	0.13	0.30	38	16.87	93	92	56	0	0	4	0
WI EAU CLAIRE	78	54	85	49	66	2	0.57	-0.41	0.57	0.57	58	7.29	66	89	37	0	0	1	1
WI GREEN BAY	71	49	76	44	60	-1	1.56	0.78	1.34	1.56	200	10.34	101	96	53	0	0	3	1
WI MADISON	72	49	77	44	61	-4	0.51	-0.32	0.31	0.51	61	9.89	85	93	52	0	0	3	0
WI MILWAUKEE	66	49	72	46	58	-4	0.31	-0.41	0.22	0.31	43	8.88	69	88	61	0	0	2	0
WY CASPER	78	47	86	43	62	4	0.23	-0.16	0.11	0.23	59	4.98	81	96	42	0	0	2	1
WY CHEYENNE	72	51	82	47	61	3	0.59	0.08	0.59	0.59	116	5.99	97	93	52	0	0	2	1
WY LANDER	79	51	88	47	65	5	0.15	-0.28	0.12	0.15	35	5.52	78	83	28	0	0	3	0
WY SHERIDAN	76	50	83	44	63	5	0.68	0.08	0.56	0.68	113	6.18	87	90	50	0	0	4	1

Based on 1961-90 normals

Note: These data are preliminary and subject to change. In the past, precipitation totals from a number of stations have been incomplete.

May Weather and Crop Summary

Weather

A run of cool weather continued for a second consecutive month in areas east of a line from the Midwest to Texas, resulting in monthly temperatures 2 to 8°F below normal. The coolest weather plagued the Midwestern and Great Lakes States, hampering crop development. Frost was reported across the Corn Belt as late as May 20-22, and snow added to seasonal-record totals in the Great Lakes States at mid-month. In contrast, hot weather persisted across the Southwest, producing departures of +2 to +8°F and some May-record maxima at month's end.

Most of the month's rain fell before May 4 or after mid-month. The late-month rains were timely for Corn Belt crops, but were locally excessive. Late-month rainfall also eased topsoil dryness in the Southeast, but caused localized flooding in the central Gulf Coast region. On May 27, a severe weather outbreak across the South included a powerful tornado near Austin, TX, causing 27 fatalities. Variable amounts of moisture fell on the Plains, with dry pockets developing or persisting in the northern (North Dakota and eastern Montana) and central Plains (eastern Colorado and western Kansas). Most areas in the Northwest received adequate moisture, but long-term drought continued to intensify in the Southwest.

Several locations in the East registered a record-cold May:

<u>Location</u>	<u>Average (°F)</u>	<u>Former Record (°F)/Year</u>
Lansing, MI	48.3	50.2 in 1917
Gr. Rapids, MI	50.3	50.7 in 1907, 1924
Mansfield, OH	52.1	not available
Elkins, WV	52.4	52.6 in 1924
Pittsburgh, PA	54.2	54.3 in 1967
Bristol, TN	58.3	58.7 in 1967
Asheville, NC	58.3	59.4 in 1989
Paducah, KY	62.1	62.5 in 1976

Many other parts of the East and Midwest experienced their coolest May weather in many years:

<u>Location</u>	<u>Average (°F)</u>	<u>Coollest May Since...</u>
Muskegon, MI	48.9	48.9 in 1924
Rochester, MN	51.3	51.3 in 1967
Youngstown, OH	51.4	50.2 in 1967
Chicago, IL	53.8	53.2 in 1983
LaCrosse, WI	55.0	54.3 in 1983
Dayton, OH	55.8	55.0 in 1917
Columbus, OH	56.5	55.4 in 1967
Cincinnati, OH	57.1	56.6 in 1917
Huntington, WV	58.7	58.3 in 1924
Louisville, KY	59.4	59.0 in 1961
Evansville, IN	60.3	60.2 in 1924

Louisville had to wait until May 18 for their first 80-degree reading of the year, the latest date on record. In Lansing, the temperature topped 70°F only once during the month (78°F on May 24). Rochester's highs failed to reach the 60-degree plateau on 15 days during the month. On May 13, lows of 32°F in Omaha, NE and 31°F in Gilbert, AR represented the latest freeze on record for both locations. On the same morning, Lincoln, NE (27°F) notched their latest sub-30-degree minimum on record. Widespread frost and freezing temperatures cloaked the Corn Belt on May 16. Sub-freezing readings were reported as far south as Vichy/Rolla, MO (31°F) and Frankfort, KY (31°F). In Cincinnati, OH, a low of 32°F marked their second-latest freeze on record, behind May 25, 1925. On May 20-22, another batch of chilly air spread eastward across the Corn Belt, producing a final round of scattered frost.

In contrast, May-record warmth dotted the West, punctuated by May-record heat at month's end. In California, Fresno established their May record with 18 days of 90-degree heat, surpassing 16 days in 1940 and 1947. Monthly average temperature records were exceeded in:

<u>Location</u>	<u>Average (°F)</u>	<u>Former Record/Year</u>
Las Vegas, NV	81.6	80.7 in 1984
Sacramento, CA	74.5	73.8 in 1992
L.A. Civ. Cntr., CA	72.7	72.4 in 1984
Eureka, CA	58.0	57.9 in 1993

On the last day of May, several all-time monthly records were shattered in Utah. Highs reached 95°F in Salt Lake City, 93°F in Blanding, 91°F in Tooele, and 90°F in Heber City. In Laughlin, NV, highs soared to 111°F on May 30 and 31, toppling their former monthly record by 1°F.

By the end of May, some locations in Texas surpassed their total rainfall for all of 1996. For example, Del Rio's January-May rainfall reached 13.24 inches, compared with 11.29 inches for last year. In Victoria, rainfall during the first 5 months of 1997 was 37.87 inches, not only surpassing last year's total of 29.61 inches, but also eclipsing their normal annual total of 37.41 inches.

Although generally dry weather prevailed across North Dakota, Devils Lake continued to rise. On May 13, the lake's surface rose to 1,441.0 feet above sea level, equalling the approximate historical maximum, set in 1830. Devils Lake is expected to crest near 1,444.0 feet in July.

May snowfall totaled 9.1 inches in Marquette, MI, padding their seasonal-record total to 272.2 inches. Another 0.1 inch fell on May 15 in Rochester, MN, boosting their record total to 84.7 inches. On May 15, Houghton Lake, MI received enough snow (3.3 inches) to eclipse their monthly record of 3.2 inches, set in 1994. On Michigan's Upper Peninsula, seasonal-snowfall records were established in Bergland (284.9 inches, 167 percent [%] of normal), Herman (384.0 inches, 160% of normal), Ironwood (301.8 inches, 176% of normal), and Munising (236.8 inches, 160% of normal). Farther east, New Hampshire's Mt. Washington received 91.7 inches by the 23rd, shattering their former May record of 52.2 inches.

The late-month wet spell boosted monthly rainfall to more than 150% of normal in several areas from the Gulf Coast to the Great Lakes States, including the eastern Corn Belt. On May 25, Pittsburgh, PA collected a May calendar-day record 2.48 inches of rain. Wet weather also pushed into the Northwest at month's end. On May 31, daily-rainfall records were established in locations such as Salem, OR (1.56 inches) and Seattle, WA (1.13 inches).

Very warm conditions dominated southern and western Alaska, where monthly temperatures averaged up to 6°F above normal. In Bethel, a May-record-setting stretch of 70-degree maxima

occurred on May 24-29. Although precipitation was above normal in the west, interior sections continued to observe below-normal totals. In Fairbanks, only 0.07 inches fell--11% of normal--capping their driest spring on record (0.14 inches).

Fieldwork

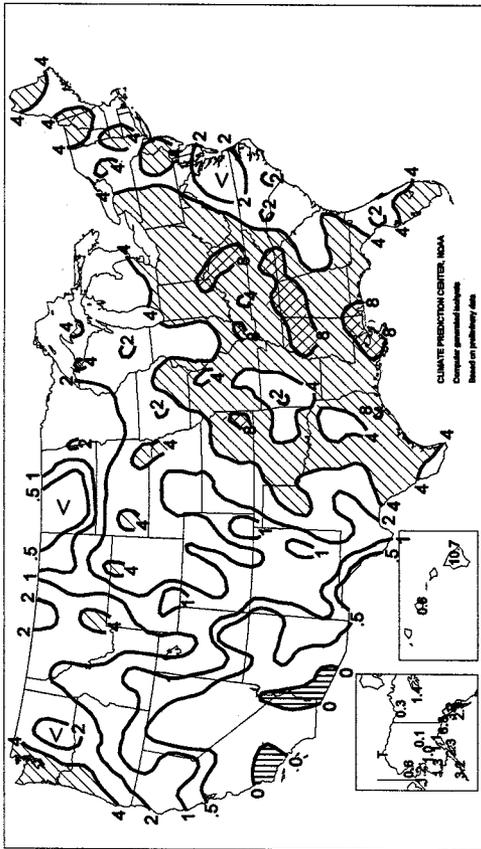
Unseasonably cool weather east of the Rocky Mountains slowed crop emergence and development the entire month of May. Localities as far south as Kentucky recorded freezing temperatures well beyond their normal "last freeze date." Despite the cool weather, corn planting progressed well ahead of normal throughout the Corn Belt. As corn planting finished, farmers immediately switched to planting soybeans, which also progressed well ahead of the normal pace. However, below-normal temperatures hindered crop emergence and development, requiring limited replanting. Overall, corn condition as of June 1, 1997, was mostly good.

Continuous cool, wet weather hindered planting operations along the Gulf Coast and in the lower Mississippi and Ohio Valleys. Late-month rains eased a 3-week dry spell along the southern and middle Atlantic Coast. Southeastern cotton and peanut growers made good planting progress during the middle of the month. End-of-month rains improved crop conditions but hindered planting progress.

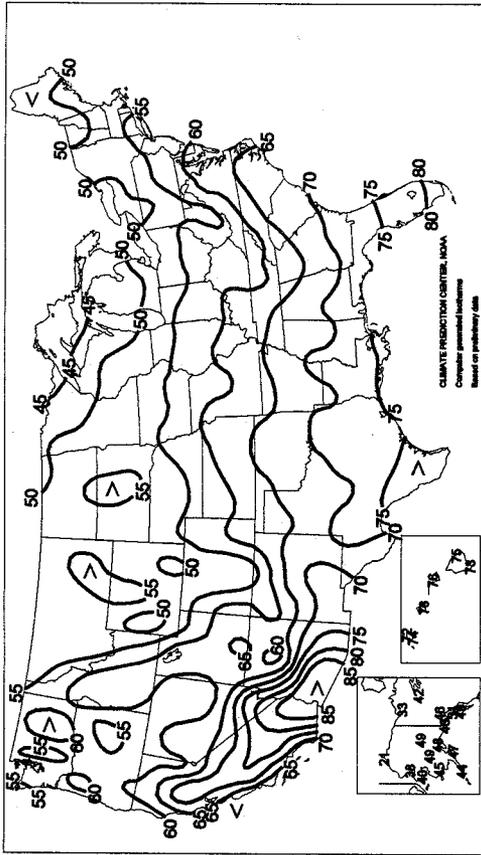
Dry soils in the central and northern High Plains stressed the winter wheat crop for most of the month, causing conditions to decline. Favorable rains fell in the area the last half of May, alleviating drought-like conditions. Planting of spring wheat, barley, and oats was delayed until mid-month by cool weather and saturated soils in North Dakota, South Dakota, and Minnesota. Drier soils allowed small grain farmers to plant at a rapid pace during the latter part of May.

Unlike the East, States west of the Rocky Mountains recorded above-normal temperatures during May. In the Northwest, winter wheat condition improved with late-month rains. Spring wheat, barley, and oat growers made good planting progress during the month. Six consecutive weeks of hot weather in the Southwest provided good crop planting and development conditions, but exacerbated long-term drought.

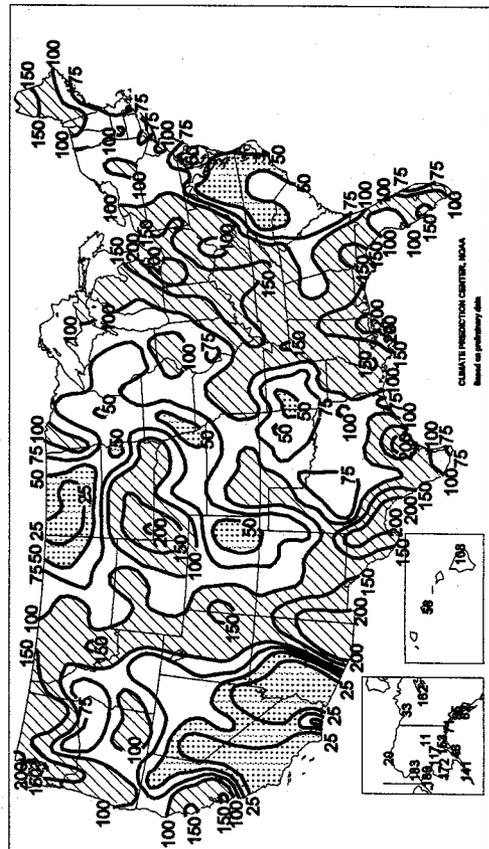
Total Precipitation (Inches)
May 1997



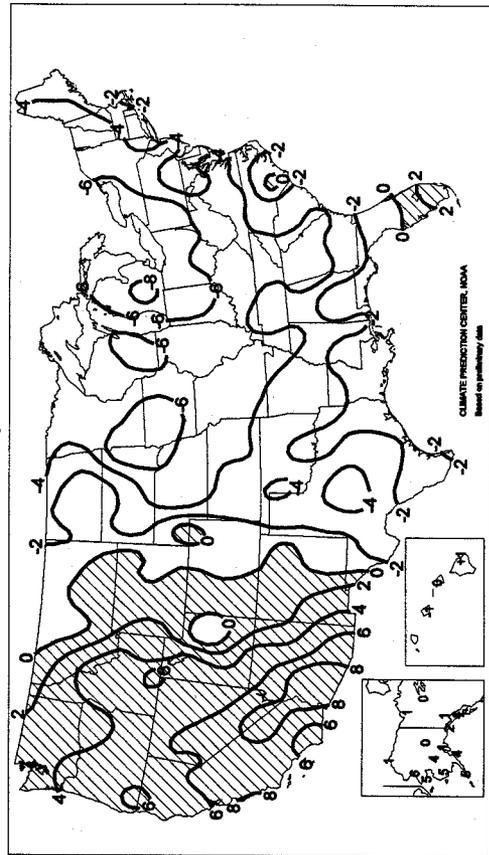
Average Temperature (°F)
May 1997



Percent of Normal Precipitation
May 1997



Departure of Average Temperature from Normal (°F)
May 1997



TEMPERATURE AND PRECIPITATION SUMMARY

May 1997

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	66	-3	4.41	-0.44	ME CARIBOU	47	-4	5.02	1.95	RI SCRANTON	54	-5	2.46	-1.19
AL HUNTSVILLE	65	-3	6.21	1.13	ME PORTLAND	51	-2	2.41	-1.21	RI WILLIAMSPORT	54	-5	2.63	-1.23
AL MOBILE	72	-2	8.50	2.76	MD BALTIMORE	59	-4	3.01	-0.71	RI PROVIDENCE	55	-2	2.69	-1.07
AL MONTGOMERY	69	-2	3.34	-0.58	MA BOSTON	56	-2	2.83	-0.62	SC BEAUFORT	70	-3	2.66	-1.28
AK ANCHORAGE	48	2	1.12	0.39	MA WORCESTER	52	-3	2.72	-1.61	SC CHARLESTON	69	-4	2.04	-1.97
AK BARRROW	21	1	0.03	-0.09	MI ALPENA	46	-6	2.66	-0.08	SC COLUMBIA	68	-3	1.61	-2.07
AK FAIRBANKS	49	1	0.07	-0.55	MI GRAND RAPIDS	50	-7	3.05	-0.08	SC GREENVILLE	65	-3	3.37	-1.05
AK JUNEAU	51	5	3.24	-0.18	MI HOUGHTON LAKE	46	-8	3.41	0.84	SD ABERDEEN	53	-4	1.72	-0.69
AK KODIAK	47	4	2.35	-3.17	MI LANSING	48	-9	3.19	0.30	SD HURON	54	-3	2.38	-0.49
AK NOME	40	5	1.17	0.55	MI MARQUETTE	45	-8	2.96	-0.07	SD RAPID CITY	53	-2	5.36	2.67
AZ FLAGSTAFF	54	4	0.08	-0.84	MI MUSKEGON	49	-7	2.25	-0.35	SD SIOUX FALLS	51	-7	3.58	0.56
AZ PHOENIX	86	7	T	-0.12	MN DULUTH	46	-5	2.40	-0.63	TN BRISTOL	58	-5	4.80	0.95
AZ PRESCOTT	66	8	0.21	-0.34	MN INT'L FALLS	46	-6	1.44	-1.03	TN CHATTANOOGA	63	-4	5.82	1.44
AZ TUCSON	80	6	0.44	0.26	MN MINNEAPOLIS	53	-5	1.70	-1.69	TN KNOXVILLE	62	-3	6.78	2.65
AZ YUMA	87	8	0.00	-0.03	MN ROCHESTER	51	-6	3.07	-0.33	TN MEMPHIS	68	-3	8.00	3.02
AR FORT SMITH	67	-2	1.62	-3.62	MS ST. CLOUD	51	-5	1.28	-1.88	TX NASHVILLE	63	-6	4.92	0.04
AR LITTLE ROCK	68	-2	4.58	-0.66	MS JACKSON	70	-2	6.83	1.78	TX ABILENE	69	-4	1.52	-1.45
CA BAKERSFIELD	74	3	0.00	-0.20	MS MERIDIAN	69	-2	8.24	3.82	TX AMARILLO	63	-2	2.18	-0.32
CA EUREKA	58	5	0.90	-0.54	MO TUPELO	66	-4	8.41	2.68	TX AUSTIN	72	-3	7.11	2.33
CA FRESNO	76	7	0.00	-0.29	MO COLUMBIA	69	-4	5.76	0.75	TX BEAUMONT	74	-1	2.36	-3.35
CA LOS ANGELES	68	5	0.00	-0.14	MO KANSAS CITY	60	-4	4.82	-0.42	TX BROWNSVILLE	77	-3	2.08	-0.88
CA REDDING	71	5	0.52	-0.75	MO SAINT LOUIS	62	-4	3.05	-0.92	TX CORPUS CHRISTI	78	-2	3.78	0.45
CA SACRAM/MCCLELL	74	-	0.39	-	MO SPRINGFIELD	60	-4	4.66	0.28	TX DEL RIO	75	-2	5.66	3.83
CA SAN DIEGO	69	5	T	-0.20	MT BILLINGS	56	1	1.58	-1.00	TX EL PASO	74	3	0.62	0.27
CA SAN FRANCISCO	64	6	0.21	0.03	MT BUTTE	50	3	3.13	1.27	TX FORT WORTH	70	-1	3.93	-1.36
CO ALAMOSA	51	0	0.51	-0.13	MT GLASGOW	54	-1	0.82	-0.96	TX GALVESTON	76	0	3.15	-0.44
CO COLORADO	54	-1	1.21	-0.94	MT GREAT FALLS	52	-1	3.07	0.55	TX HOUSTON	74	-1	6.69	1.45
CO DENVER	57	0	1.57	-1.05	MT KALISPELL	53	1	2.21	0.34	TX LUBBOCK	67	-3	2.73	0.38
CO GRAND JUNCTION	62	0	1.63	0.66	MT MILES CITY	57	0	1.28	-0.99	TX MIDLAND	71	-2	0.74	-1.24
CO PUEBLO	58	-3	0.53	-0.72	NE MISSOULA	55	4	1.73	-0.05	TX SAN ANGELO	70	-5	2.89	-0.31
CT BRIDGEPORT	56	-2	3.04	-0.89	NE GRAND ISLAND	57	-5	2.39	-1.43	TX SAN ANTONIO	74	-1	3.91	-0.31
CT HARTFORD	56	-4	3.37	-0.75	NE LINCOLN	57	-4	1.82	-2.08	TX VICTORIA	74	-2	9.09	4.69
DC WASHINGTON	63	-4	3.04	-0.62	NE NORFOLK	58	-5	3.34	-0.34	TX WACO	71	-3	3.52	-1.07
DE WILMINGTON	58	-4	0.82	-3.02	NE NORTH PLATTE	55	-3	1.87	-1.56	UT WICHITA FALLS	66	-3	3.96	-0.11
FL DAYTONA BEACH	74	-1	3.77	0.32	NE OMAHA	58	-4	0.96	-3.57	UT SALT LAKE CITY	63	5	1.77	-0.03
FL JACKSONVILLE	72	-2	3.40	-0.15	NE SCOTTSDRUFF	56	0	5.34	2.57	VT BURLINGTON	51	-5	2.20	-0.92
FL KEY WEST	82	1	1.28	-2.18	NV VALENTINE	54	-4	2.72	-0.44	VA LYNCHBURG	58	-6	0.88	-3.03
FL MIAMI	80	2	9.80	3.59	NV ELY	54	4	0.66	-0.49	VA NORFOLK	64	-2	1.80	-2.21
FL ORLANDO	76	-1	3.17	-0.38	NV LAS VEGAS	82	8	0.00	-0.28	VA RICHMOND	63	-3	1.36	-2.48
FL TAMPA	78	0	1.70	-1.40	NV RENO	61	4	0.13	-0.56	VA ROANOKE	60	-4	1.04	-2.94
FL VALPARAISO/EGLIN	73	0	7.00	2.99	NH WINNEMUCA	69	4	0.48	-0.36	VA WASH/DULLES	58	-4	2.86	-1.16
FL WEST PALM BEACH	79	1	3.28	-2.85	NH CONCORD	52	-4	2.30	-0.85	WA HANFORD	65	-1	0.33	-0.18
GA ATHENS	65	-5	2.79	-1.58	NJ NEWARK	59	-4	3.12	-1.01	WA OLYMPIA	57	4	3.15	1.06
GA ATLANTA	65	-5	3.36	-0.93	NM ALBUQUERQUE	66	2	0.42	-0.08	WA QUILLAYUTE	54	3	7.11	1.70
GA AUGUSTA	67	-4	1.61	-2.16	NY ALBANY	53	-4	2.60	-0.81	WA SEATTLE-TACOMA	58	3	2.88	1.17
GA COLUMBUS	69	-3	4.65	0.48	NY BINGHAMTON	50	-6	3.55	0.19	WA SPOKANE	57	3	2.27	0.85
GA MACON	67	-4	4.30	0.73	NY BUFFALO	51	-6	3.61	0.47	WA YAKIMA	60	3	0.22	-0.23
GA SAVANNAH	69	-5	3.00	-1.09	NY ROCHESTER	50	-7	2.12	-0.80	WV BECKLEY	54	-5	4.25	0.26
HI HILO	75	1	10.75	0.84	NC SYRACUSE	62	-5	2.43	-0.85	WV CHARLESTON	58	-5	3.60	-0.35
HI HONOLULU	76	-1	0.63	-0.50	NC ASHEVILLE	58	-5	2.91	-1.52	WV ELKINS	52	-5	5.71	1.59
HI KAHULUI	78	0	-	-	NC CHARLOTTE	66	-1	1.39	-2.43	WV HUNTINGTON	58	-3	2.95	-1.24
HI LIHUE	-	-	-	-	NC GREENSBORO	62	-4	1.74	-2.27	WI EAU CLAIRE	52	-5	2.42	-1.39
ID BOISE	63	5	1.14	0.06	NC HATTERAS	66	-1	3.17	-0.83	WI GREEN BAY	49	-6	2.60	-0.22
ID LEWISTON	62	3	0.81	-0.50	NC RALEIGH	63	-3	2.22	-1.70	WI MADISON	51	-7	1.94	-1.20
ID POCATELLO	56	3	0.86	-0.49	ND WILMINGTON	67	-2	1.61	-2.82	WI MILWAUKEE	50	-5	1.86	-0.89
IL CHICAGO/O'HARE	54	-5	2.69	-0.63	ND BISMARCK	54	0	0.32	-1.86	WY CASPER	52	-1	1.84	-0.29
IL MOLINE	58	-5	4.87	0.57	ND DICKINSON	53	-1	0.53	-2.04	WY CHEYENNE	52	0	2.47	0.08
IL PEORIA	57	-5	2.65	-1.05	ND FARGO	53	-3	2.57	0.12	WY LANDER	54	1	2.22	-0.10
IL ROCKFORD	54	-5	5.85	2.19	ND GRAND FORKS	53	-2	1.80	-0.34	PR SHERIDAN	53	0	2.74	0.35
IL SPRINGFIELD	59	-5	3.10	-0.52	ND JAMESTOWN	55	-1	0.46	-1.40	PR SAN JUAN	-	-	3.98	-
IN EVANSVILLE	60	-6	7.57	2.82	OH WILLISTON	52	-3	0.19	-1.80					
IN FORT WAYNE	53	-7	6.30	2.86	OH AKRON-CANTON	53	-7	6.53	2.80					
IN INDIANAPOLIS	57	-6	4.93	0.93	OH CINCINNATI	57	-6	6.33	2.05					
IN SOUTH BEND	52	-7	3.77	0.55	OH CLEVELAND	53	-5	4.21	0.72					
IA BURLINGTON	57	-5	3.50	-0.29	OH COLUMBUS	56	-5	5.59	1.65					
IA CEDAR RAPIDS	55	-6	4.10	0.39	OH DAYTON	55	-6	5.76	1.88					
IA DES MOINES	56	-6	3.72	0.08	OH MANSFIELD	52	-7	7.88	3.53					
IA DUBUQUE	53	-6	2.93	-1.33	OH TOLEDO	52	-6	6.76	3.85					
IA SIOUX CITY	55	-6	3.71	0.04	OH YOUNGSTOWN	51	-6	4.54	1.02					
IA WATERLOO	55	-6	2.68	-1.40	OK OKLAHOMA CITY	67	-2	3.68	-1.54					
KS CONCORDIA	60	-3	2.29	-2.00	OR TULSA	67	-2	1.86	-3.94					
KS DODGE CITY	61	-3	3.04	0.01	OR ASTORIA	57	5	3.61	0.59					
KS GOODLAND	57	-2	1.94	-1.55	OR BURNS	55	4	1.47	0.51					
KS TOPEKA	60	-4	3.54	-0.91	OR EUGENE	59	4	2.64	0.48					
KS WICHITA	63	-3	4.78	0.97	OR MEDFORD	64	6	1.09	0.09					
KY JACKSON	59	-5	5.01	0.38	OR PENDLETON	60	2	0.33	-0.86					
KY LEXINGTON	58	-6	8.85	4.38	OR PORTLAND	62	5	3.63	1.57					
KY LOUISVILLE	61	-4	6.99	2.37	OR SALEM	61	6	2.71	0.83					
KY PADUCAH	62	-4	7.95	3.01	PA ALLENTOWN	56	-6	3.23	-0.97					
LA BATON ROUGE	73	-2	7.46	2.57	PA ERIE	51	-6	4.36	0.92					
LA LAKE CHARLES	74	-1	8.19	2.52	PA MIDDLETOWN	60	-2	3.86	-0.80					
LA NEW ORLEANS	74	0	5.03	0.47	PA PHILADELPHIA	58	-4	2.32	-1.43					
LA SHREVEPORT	70	-2	3.19	-1.99	PA PITTSBURGH	54	-6	6.33	2.74					

Based on 1961-90 normals.

National Agricultural Summary

June 2 - 8, 1997

HIGHLIGHTS

Cool weather hampered planting operations and crop development for the ninth consecutive week in many Eastern States. Heavy rains in the Ohio and Tennessee Valleys caused flooding in low-lying areas, interrupted planting operations, and limited weed control. An inflow of moisture along the Atlantic and Gulf coasts kept farmers out of fields.

Farther north, warmer, dry weather promoted crop growth and improved crop conditions in the northern and western Corn Belt. Unusual, late-season rains in the Northwest benefited small grain crops. Growing conditions in the Southwest remained ideal as temperatures were above normal, but not as high as earlier in the month.

Winter wheat: Nationwide, 84 percent (%) of the winter wheat crop was headed, just ahead of 81% at this time in 1996, but just behind the 5-year average. The Nation's wheat acreage rated mostly good to fair as harvest was just beginning. The crop improved in Kansas, where wheat was turning rapidly in the southern third of the State. Winter wheat harvest in Texas moved northward, but lagged 10 percentage points behind the average pace. Rain and high humidity in Oklahoma caused combines to stay out of fields. Harvest was in full swing, but was hampered by damp weather, in California, Georgia, and North Carolina.

well ahead of average in Arizona and California. Nationwide, 11% of the cotton crop was squaring, compared with 17% last year and the average of 15%. Condition of the crop remained mostly good.

Corn: The corn acreage in western and northern areas of the Corn Belt showed improvement as above-normal temperatures boosted development. On the other hand, unwelcome rainfall flooded low-lying fields in southern Illinois, Indiana, and Ohio. Weed control was becoming a concern as the rains also limited spraying and cultivating activities. Farmers in Kentucky and Tennessee were also kept out of fields by flooding and saturated soils. Overall, the corn crop rated in mostly good condition.

Rice: The rice crop was 97% emerged, ahead of 95% emerged in 1996 and the average of 90%. Condition of the Nation's rice crop rated mostly good. California rice emerged well ahead of the normal pace. Growers in Arkansas fertilized rice fields and treated for weeds. In Louisiana, growers continued to report problems with water weevils and sheath blight.

Other Small Grains: Warmer weather in the northern Plains and northern Corn Belt promoted rapid emergence of small grains. Despite a late planting start, emergence of all small grains in North Dakota was ahead of average. Condition of the spring wheat crop declined somewhat due to dry soils in North Dakota and Montana. This was the driest early June soil moisture recorded in North Dakota since 1988. The national barley condition also declined due to dryness in the northern Plains. Nationally, oat condition remained unchanged.

Soybeans: Soybean planting progressed to 84% complete, well ahead of the 57% planted on this date in 1996 and the average of 70%. Planting and crop development was hindered by rainfall in the Ohio and Tennessee Valleys. Farmers evaluated the necessity of replanting both soybeans and corn in submerged fields. Planting was active in warmer, drier areas.

Other Crops: Farmers made good progress planting sorghum in Colorado, Kansas, and New Mexico. Nationwide, the sorghum acreage was 72% planted, compared with 66% last year and the average of 65%. Sorghum fields in central Texas began heading, while those in eastern and western Texas started turning color. Peanut planting progressed to 85% complete, behind the 90% in 1996, but equal to the average. Planting activities accelerated by mid-week in Texas. Nationwide, peanut condition declined slightly from last week. In Georgia, condition of the crop remained unchanged despite unprecedented cool, cloudy weather. Heavy, leaching rains slowed peanut growth in some areas of Florida.

Cotton: Cotton growers made good progress as planting advanced to 92% complete, ahead of both last year and the average. Growers in Oklahoma planted 42% of their State's acreage. In Texas, the crop responded favorably to warmer weather and plants were squaring in many areas. Squaring was

Crop Progress and Condition

Week Ending June 8, 1997

Winter Wheat Percent Headed				
	Jun 8 1997	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	100
CA	99	99	99	99
CO	96	83	94	83
GA	100	100	100	100
ID	32	22	23	28
IL	90	87	90	95
IN	80	62	75	89
KS	100	98	100	100
MI	8	0	4	29
MO	98	90	95	96
MT	7	0	3	15
NE	86	60	68	81
NC	100	100	100	100
OH	50	22	47	78
OK	100	100	100	100
OR	82	59	80	88
SD	11	0	3	42
TX	100	95	100	99
WA	70	59	51	72
ALL	84	78	81	86

These 19 States produced 92% of the 1996 winter wheat crop.

Soybeans Percent Planted				
	Jun 8 1997	Prev Week	Prev Year	5-Yr Avg
AL	61	54	68	66
AR	62	52	61	56
GA	64	51	61	56
IL	93	92	40	67
IN	89	87	32	73
IA	99	92	71	78
KS	80	67	61	52
KY	34	30	26	45
LA	83	68	89	80
MI	78	62	61	84
MN	98	91	83	86
MS	82	80	95	74
MO	71	59	42	52
NE	97	84	77	80
NC	53	42	44	55
OH	76	74	39	78
SC	48	36	41	45
SD	77	62	61	67
TN	38	31	42	47
ALL	84	77	57	70

These 19 States produced 94% of the 1996 soybean crop.

Cotton Percent Planted				
	Jun 8 1997	Prev Week	Prev Year	5-Yr Avg
AL	99	97	99	97
AZ	100	100	100	100
AR	100	100	100	99
CA	100	100	100	100
GA	96	91	96	96
LA	100	99	100	100
MS	100	100	100	99
MO	100	100	100	100
NM	100	100	98	99
NC	100	95	100	99
OK	83	41	72	73
SC	98	97	100	99
TN	100	100	100	100
TX	83	73	65	77
ALL	92	87	85	90

These 14 States produced 99% of the 1996 cotton crop.

Cotton Percent Squaring				
	Jun 8 1997	Prev Week	Prev Year	5-Yr Avg
AL	3	1	16	12
AZ	60	46	57	49
AR	3	0	22	11
CA	35	15	4	5
GA	10	5	24	23
LA	8	0	13	20
MS	4	3	54	32
MO	0	0	8	3
NM	0	0	0	2
NC	0	0	2	2
OK	0	0	2	2
SC	10	9	16	7
TN	0	0	5	5
TX	11	7	13	15
ALL	11	6	17	15

These 14 States produced 99% of the 1996 cotton crop.

Winter Wheat Percent Harvested				
	Jun 8 1997	Prev Week	Prev Year	5-Yr Avg
AR	6	NA	13	12
CA	20	NA	20	15
CO	0	NA	0	0
GA	54	NA	54	56
ID	0	NA	0	0
IL	0	NA	0	0
IN	0	NA	0	0
KS	0	NA	0	0
MI	0	NA	0	0
MO	0	NA	0	0
MT	0	NA	0	0
NE	0	NA	0	0
NC	17	NA	15	13
OH	0	NA	0	0
OK	1	NA	25	11
OR	0	NA	0	0
SD	0	NA	0	0
TX	9	NA	24	19
WA	0	NA	0	0
ALL	2	NA	7	4

These 19 States produced 92% of the 1996 winter wheat crop.

Sorghum Percent Planted				
	Jun 8 1997	Prev Week	Prev Year	5-Yr Avg
AR	99	98	100	96
CO	53	35	69	42
IL	75	74	32	50
KS	65	45	59	47
LA	97	92	100	95
MS	98	97	98	93
MO	77	70	67	67
NE	94	77	68	73
NM	67	44	26	39
OK	24	15	52	56
SD	41	30	35	53
TX	78	72	78	83
ALL	72	59	66	65

These 12 States produced 99% of the 1996 sorghum crop.

Spring Wheat Percent Emerged				
	Jun 8 1997	Prev Week	Prev Year	5-Yr Avg
ID	96	92	94	96
MN	82	54	62	87
MT	93	84	86	92
ND	87	64	71	85
SD	92	83	91	96
ALL	89	70	76	89

These 5 States produced 96% of the 1996 spring wheat crop.

Barley Percent Emerged				
	Jun 8 1997	Prev Week	Prev Year	5-Yr Avg
ID	96	87	89	93
MN	88	49	60	85
MT	94	83	82	88
ND	88	63	76	86
SD	94	81	85	94
WA	99	98	94	98
ALL	91	72	79	88

These 6 States produced 82% of the 1996 barley crop.

Crop Progress and Condition

Week Ending June 8, 1997

Oats Percent Emerged				
	Jun 8 1997	Prev Week	Prev Year	5-Yr Avg
IA	100	100	100	99
MI	90	84	88	96
MN	95	88	94	95
NE	100	100	100	NA
ND	84	60	70	84
OH	97	95	93	99
PA	93	90	87	NA
SD	87	81	87	95
WI	100	98	92	NA
ALL	93	85	88	93

These 9 States produced 56% of the 1996 oat crop.

Peanuts Percent Planted				
	Jun 8 1997	Prev Week	Prev Year	5-Yr Avg
AL	100	100	99	98
FL	98	92	98	NA
GA	98	95	99	99
NC	95	90	98	99
OK	79	64	82	70
SC	100	98	99	96
TX	38	32	63	45
VA	100	98	100	100
ALL	85	80	90	85

These 8 States produced 99% of the 1996 peanut crop.

Rice Percent Emerged				
	Jun 8 1997	Prev Week	Prev Year	5-Yr Avg
AR	96	90	98	93
CA	99	95	81	73
LA	98	94	100	98
MS	99	96	100	93
TX	91	87	93	93
ALL	97	92	95	90

These 5 States produced 96% of the 1996 rice crop.

Winter Wheat Crop Condition by Percent					
	VP	P	F	G	EX
AR	3	18	45	28	6
CA	0	0	10	80	10
CO	4	9	38	37	12
GA	0	9	38	49	4
ID	0	4	24	53	19
IL	2	5	21	63	9
IN	1	4	28	53	14
KS	3	8	23	53	13
MI	2	7	27	48	16
MO	1	9	26	55	9
MT	2	9	32	53	4
NE	2	10	37	46	5
NC	1	8	36	48	7
OH	2	11	29	47	11
OK	6	10	30	51	3
OR	0	1	9	61	29
SD	7	12	36	41	4
TX	4	15	36	35	10
WA	0	0	9	61	30
ALL	3	9	28	49	11
Prev Wk	4	10	31	46	9
Prev Yr	16	24	29	24	7

Corn Crop Condition by Percent					
	VP	P	F	G	EX
CO	0	1	15	71	13
GA	0	2	23	57	18
IL	1	3	31	54	11
IN	3	7	40	46	4
IA	0	2	26	59	13
KS	1	2	18	65	14
KY	1	14	41	39	5
MI	5	10	45	34	6
MN	1	8	39	44	8
MO	0	4	38	53	5
NE	0	2	18	67	13
NC	1	3	27	63	6
OH	3	10	31	46	10
PA	0	8	34	55	3
SD	0	2	23	63	12
TX	2	4	19	55	20
WI	1	5	31	53	10
ALL	1	4	30	55	10
Prev Wk	1	6	33	52	8
Prev Yr	2	9	39	44	6

Cotton Crop Condition by Percent					
	VP	P	F	G	EX
AL	3	19	41	35	2
AZ	1	1	9	57	32
AR	0	13	55	31	1
CA	0	0	5	90	5
GA	1	7	39	49	4
LA	0	3	30	66	1
MS	2	8	31	52	7
MO	1	18	36	44	1
NM	0	1	28	49	22
NC	1	19	43	36	1
OK	0	5	26	62	7
SC	1	9	43	47	0
TN	1	14	37	45	3
TX	1	9	28	47	15
ALL	1	9	31	50	9
Prev Wk	1	6	31	54	8
Prev Yr	1	12	30	48	9

Oats Crop Condition by Percent					
	VP	P	F	G	EX
IA	0	4	31	54	11
MI	1	6	37	45	11
MN	0	2	42	50	6
NE	0	2	26	65	7
ND	1	16	32	49	2
OH	1	4	28	56	11
PA	0	4	33	58	5
SD	1	1	29	62	7
WI	0	2	23	54	21
ALL	0	5	31	55	9
Prev Wk	0	4	32	56	8
Prev Yr	1	4	29	57	9

Peanuts Crop Condition by Percent					
	VP	P	F	G	EX
AL	0	0	10	90	0
FL	0	0	29	25	46
GA	0	2	32	62	4
NC	0	26	29	40	5
OK	0	0	37	62	1
SC	0	0	16	64	20
TX	1	11	21	50	17
VA	0	0	30	60	10
ALL	0	5	26	60	9
Prev Wk	0	2	27	64	7
Prev Yr	NA	NA	NA	NA	NA

Crop Progress and Condition

Week Ending June 8, 1997

	VP	P	F	G	EX
ID	0	0	13	58	29
MN	0	3	21	57	19
MT	1	4	33	57	5
ND	1	8	24	57	10
SD	0	1	29	64	6
WA	0	0	9	68	23
ALL	1	5	23	58	13
Prev Wk	0	2	21	64	13
Prev Yr	NA	NA	NA	NA	NA

	VP	P	F	G	EX
ID	0	2	11	56	31
MN	0	4	16	56	24
MT	2	5	37	54	2
ND	0	9	25	56	10
SD	0	1	21	69	9
ALL	0	6	25	58	11
Prev Wk	0	3	25	63	9
Prev Yr	1	4	23	61	11

	VP	P	F	G	EX
AR	0	5	37	43	15
CA	0	0	10	70	20
LA	0	4	43	46	7
MS	0	4	25	61	10
TX	0	0	47	41	12
ALL	0	3	33	50	14
Prev Wk	0	5	31	51	13
Prev Yr	0	3	24	58	15

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

National crop conditions for selected States are weighted based on 1996 planted acres.

	VP	P	F	G	EX		VP	P	F	G	EX
AL	0	1	9	81	9	NH	0	8	40	48	4
AZ	11	17	35	31	6	NJ	0	0	0	80	20
AR	0	7	42	47	4	NM	0	4	23	65	8
CA	0	20	40	35	5	NY	0	0	15	74	11
CO	4	8	32	47	9	NC	0	3	25	61	11
CT	0	0	32	68	0	ND	10	32	36	19	3
DE	0	0	26	70	4	OH	2	9	30	49	10
FL	0	0	30	65	5	OK	0	2	22	68	8
GA	1	4	25	65	5	OR	0	0	12	71	17
ID	0	1	16	51	32	PA	1	8	40	50	1
IL	1	3	24	62	10	RI	0	0	3	17	80
IN	2	6	23	57	12	SC	1	4	26	62	7
IA	2	9	41	43	5	SD	0	2	20	59	19
KS	0	5	19	65	11	TN	0	4	21	58	17
KY	0	6	28	49	17	TX	1	6	28	46	19
LA	0	3	26	63	8	UT	2	0	10	66	22
ME	0	23	46	22	9	VT	2	3	37	49	9
MD	1	5	22	64	8	VA	1	8	40	47	4
MA	0	0	25	74	1	WA	0	4	21	64	11
MI	5	20	37	30	8	WV	1	4	29	60	6
MN	6	23	38	31	2	WI	2	10	47	33	8
MS	0	3	20	62	15	WY	0	1	4	78	17
MO	1	9	38	48	4	ALL	1	7	28	54	10
MT	2	9	33	53	3						
NE	1	10	25	57	7	Prev Wk	1	9	31	49	10
NV	0	0	13	84	3	Prev Yr	5	11	27	46	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/> or from JAWF at <http://www.usda.gov/oce/waob/jawf>.

ALABAMA: Days suitable for fieldwork 3.0. Topsoil 1% short, 38% adequate, 61% surplus. Corn silked 19%, 22% 1996, 19% avg.; 3% poor, 21% fair, 67% good, 9% excellent. Wheat harvested 26%, 41% 1996, 32% avg.; 2% very poor, 5% poor, 56% fair, 30% good, 7% excellent. Livestock 13% fair, 72% good, 15% excellent. Clear skies, warmer weather needed to promote crop growth.

ALASKA: Days suitable for fieldwork 6. Topsoil was 30% short and 70% adequate. Subsoil 40% short, 60% adequate. Height of small grain was 4 inches, compared with 5 inches in 1996. Potatoes were 5% emerged. Vegetable transplanting continued. All oats and barley were in preboot or earlier stages. Rate of crop growth was 5% slow, 50% moderate, and 45% rapid.

ARIZONA: Small grains were 54% harvested, compared with 66% in 1996 and the 57% avg.; condition was 7% fair, 55% good, and 38% excellent. Alfalfa harvest activity was 3% light, 40% moderate, and 57% active; condition was 8% fair, 54% good, and 38% excellent. Melon harvest was active in central and western areas, with cantaloupe, watermelon, honeydew, speciality melons being shipped. Potato harvest was active in the central area, and dry onion harvest nearly complete. Central area growers also shipped sweet corn, cabbage, carrots, and parsley. Iceberg lettuce harvest was nearing completion in the eastern area, with dry onion harvest getting underway. Valencia orange and grapefruit harvest nearing completion. Grapes were being harvested in the western and central areas.

ARKANSAS: Days suitable for fieldwork 5. The temperatures and rainfall were below-normal. Scattered showers fell over the State during mid-week. Soil moisture was 2% very short, 21% short, 64% adequate, and 13% surplus. Main farming activities: Harvest of hay; soybean planting; and weed control in pastures, rice, and soybeans. Other farm activities: Cattle were treated for external parasites; Bermuda grass was sprigged; rice was flooded and fertilized; cotton was cultivated and sprayed; wheat was beginning to be harvested; and the first tomatoes were being harvested.

CALIFORNIA: Field activities progressed normally in most areas, despite light midweek rainfall in the northern two-thirds of the State. Grain harvest of wheat, barley, oats was in full swing in the San Joaquin, Sacramento valleys, winding down in the Imperial Valley. Harvested small grain, winter forage fields were baled for straw or burned where conditions permitted. Second crop plantings of corn continued in central, southern counties. Single crop corn was growing well, with some early seeded fields tasseling. Rice was treated for broadleaf weeds in the Sacramento, San Joaquin valleys. Cotton was cultivated, irrigated, weeded, sprayed for aphids, lygus, mites. Safflower, seed alfalfa were blooming in central, southern counties; some fields were treated for lygus, mites, weevils. Sugar beet harvest was ongoing in the San Joaquin Valley. New crop sugar beets were sprayed for insects, mildew, worms. Black eye beans were growing well in the southern San Joaquin Valley. Alfalfa, clover, oats, ryegrass, sudan grass were cut for hay or green chopped. Grapes were two to three weeks ahead of normal development. Some vineyards were treated for mites, leaf hoppers, fungus. Early nectarine harvest began in the central San Joaquin Valley. Harvest of black mission figs was underway. Almonds were treated for mites, weeds, some branches were propped to support heavy loads. Some apple varieties in Sonoma County were heavily affected by fire blight. Apples were sprayed for codling moth. Harvesting of Valencia oranges, lemons, grapefruit continued. New crop citrus was developing normally. Harvest of broccoli, cauliflower

progressed normally in the central coast area. Lettuce harvest continued in the Salinas-Watsonville area. Sweet corn, cantaloups, watermelons were harvested in the Imperial Valley. Carrots were harvested in Imperial County. Sweetpotatoes in Merced County were harvested. Tomatoes continued to bloom and set fruit in central, southern counties. Red onion harvest was complete in Tulare County. Onions were growing well in Siskiyou County. Bell peppers were treated to control worms, aphids. Potatoes, carrots were harvested in Kern County. Potato planting neared completion in the Tulelake-Butte Valley area. Squash harvest was winding down in Tulare County. Cucumber, garlic harvests were ongoing. Pastures, rangeland improved in northern counties, following rains. Elsewhere, rainfall was insufficient to sustain grass growth at lower elevations. Higher elevation rangeland, pastures remained in fair condition in most areas. Movement of cattle to sales yards, feedlots, upper elevations continued. Bees were active in seed alfalfa, melon fields.

COLORADO: Days suitable for fieldwork 5.5. Topsoil 5% very short, 26% short, 62% adequate, 7% surplus. Subsoil 18% very short, 26% short, 52% adequate, 4% surplus. Spring barley 42% headed, 22% 1996, 8% avg.; 6% poor, 16% fair, 64% good, 14% excellent. Oats 96% emerged, 99% 1996, 89% avg.; 9% headed, 11% 1996, 4% avg.; 4% poor, 22% fair, 61% good, 13% excellent. Corn 98% emerged, 96% 1996, 82% avg. Spring wheat 100% emerged, 100% 1996, 91% avg.; 3% headed, 11% 1996, 3% avg.; 7% poor, 15% fair, 60% good, 18% excellent. Sorghum 20% emerged, 25% 1996, 12% avg. Summer potatoes 94% emerged, 99% 1996, 90% avg.; 5% poor, 15% fair, 63% good, 17% excellent. Dry onion 2% very poor, 7% poor, 12% fair, 58% good, 21% excellent. Sugar beet 22% thinned, 42% 1996, 25% avg.; 1% very poor, 3% poor, 19% fair, 49% good, 28% excellent. Fall potatoes 20% emerged, 53% 1996, 32% avg. Dry beans 45% planted, 71% 1996, 30% avg.; 7% emerged, 15% 1996, 6% avg. Alfalfa 29% 1st cutting, 30% 1996, 20% avg. Winter wheat 96% headed, 94% 1996, 83% avg. Livestock mostly in good to fair condition.

DELAWARE: Days suitable for fieldwork 5.1. Topsoil 15% short, 85% adequate. Subsoil 5% short, 94% adequate, 1% surplus. Winter wheat 5% poor, 21% fair, 65% good, 9% excellent; 97% headed, 99% 1996, 99% avg.; 6% turned, 15% 1996, 14% avg. Barley 5% poor, 24% fair, 66% good, 5% excellent; 80% turned, 87% 1996, 88% avg. Corn 94% planted, 94% 1996, 98% avg. Soybeans 30% planted, 25% 1996, 42% avg. Sorghum 25% planted, 11% 1996, 48% avg. Tomatoes 62% planted, 85% 1996, 84% avg. Watermelons 67% planted, 80% 1996, 86% avg. Cantaloupes 69% planted, 59% 1996, 82% avg. Cucumbers 40% planted, 37% 1996, 53% avg. Snap beans 29% planted, 23% 1996, 56% avg. Sweet corn 72% planted, 80% 1996, 90% avg. Lima beans 13% planted, 12% 1996, 18% avg. Apples 5% fair, 91% good, 4% excellent. Peaches 2% poor, 10% fair, 83% good, 5% excellent. Hay supplies 12% short, 88% adequate. Clover, other hays 90% 1st cutting harvested, 69% 1996, 85% avg.; 6% 2nd cutting harvested, 0% 1996, 0% avg. Alfalfa 90% 1st cutting harvested, 67% 1996, 85% avg. Activities: Continuation of green pea harvest, soybean planting, reports of slow growth in southern areas due to lack of sun, cool soil conditions.

FLORIDA: Topsoil moisture was short to adequate throughout the State with scattered areas of surplus moisture. Ninety-eight percent of the peanut crops were planted. Cotton planting was winding down. Soybean planting was active. Sugarcane growth was normal. Corn, cotton, and peanut growth in some areas was slowed by heavy leaching rains. Peanut crops were fair 29%, good 25%, and excellent 46%. Tomato harvest was underway in Gadsden County. Picking in most vegetable crops was finished in all southern areas except for some local

sales. Major vegetables shipped were watermelons, tomatoes, sweet corn, peppers, and cucumbers. Citrus areas had very little rain. Caretakers were irrigating. New crop fruit was making very good progress, with sizes normal for June. Valencia harvest was slowing as supplies were running low. Most packing houses were closed for the season. Some lower east coast packing houses were still running grapefruit. Caretakers were cutting cover crops, spraying, fertilizing, and herbiciding. Pasture feed was fair 30%, good 65%, and excellent 5%. Condition of cattle herds was fair 25%, good 70%, and excellent 5%. In the Panhandle, pasture growth was generally good due to recent weather conditions; though some areas received too much rain. In the north, warmer days helped grass growth, while overgrazing was still a problem in some areas. Central areas had spots of very short soil moisture, especially at the west coast side. In the south, pastures were in good condition, yet mole and crickets were a renewed problem.

GEORGIA: Days suitable for fieldwork 4.2. Soil 1% very short, 9% short, 71% adequate, 19% surplus. Corn 46% silked, 24% 1996, 36% avg.; 6% dough, 1% 1996, 10% avg. Hay 1% very poor, 5% poor, 33% fair, 58% good, 3% excellent. Peanuts 16% blooming, 31% 1996, 28% avg.; 2% pegging, 4% 1996, 5% avg. Sorghum 3% poor, 24% fair, 71% good, 2% excellent; 65% planted, 78% 1996, 75% avg. Soybeans 2% poor, 28% fair, 66% good, 4% excellent. Tobacco 1% very poor, 6% poor, 42% fair, 47% good, 4% excellent. Wheat 9% poor, 38% fair, 49% good, 4% excellent. Onions 99% harvested, 99% 1996, 99% avg. Watermelons 1% very poor, 7% poor, 30% fair, 58% good, 4% excellent. Apples 2% poor, 71% fair, 18% good, 9% excellent. Peaches 1% poor, 11% fair, 62% good, 26% excellent; 42% harvested, 39% 1996, 37% avg. Pecans 6% poor, 30% fair, 61% good, 3% excellent. Pasture feed 1% very poor, 4% poor, 25% fair, 65% good, 5% excellent. Unprecedented cool weather along with damp cloudy weather further slowing development of row crops, growth of pastures, hay. Small grain harvest also slowed. Disease problems continue in tobacco, some vegetable crops. Activities include planting late cotton, peanut fields, planting soybeans, cultivating row crops, spraying peanuts, cotton, tobacco, fertilizing corn, topping, suckering tobacco, spraying pecans, harvesting hay as weather permitted, harvesting, marketing late spring vegetables, harvesting peaches.

HAWAII: Weather was favorable for agriculture. Irrigation necessary many areas to ensure crop development. Seasonal production increases for watermelons, onions, green peppers, sweet corn. Green cabbage supplies appear to be exceeding market demand.

IDAHO: Days suitable for fieldwork 5.2. Topsoil 10% surplus, 80% adequate, 10% short. Spring wheat jointed 65%, booting 23%, headed 7%. Barley jointed 48%, booting 17%, headed 8%. Winter wheat jointed 99%; booting 76%. Potatoes planted 99%, 97% 1996, 97% avg.; emerged 71%, 52% 1996, 60% avg.; 12 inches high 8%. Potato 26% excellent, 53% good, 21% fair. Alfalfa hay harvested (1st cutting) 30%, 27% 1996, 34% avg. Corn planted 98%; 95% 1996; 97% avg.; emerged 92%, 86% 1996, 85% avg. Dry beans planted 70%, 54% 1996, 67% avg.; emerged 30%, 18% 1996, 33% avg. Dry peas emerged 97%, 60% 1996, 87% avg. Lentils planted 100%, 94% 1996, 98% avg.; emerged 95%, 52% 1996, 87% avg. Oats planted 98%, 93% 1996, 97% avg.; emerged 92%, 81% 1996, 89% avg. Irrigation water supply 61% excellent, 39% good. Activities: Weed control, cultivation of corn, dry beans, sugar beets, planting dry beans, harvesting alfalfa, irrigating.

ILLINOIS: Days suitable for fieldwork 3.3. Topsoil 9% short, 62% adequate, 29% surplus. Fieldwork varied drastically across the State last week as the wet areas in the south received more unwelcome rainfall and the dry areas to the north received only light scattered showers. The continued wet weather in the wheat growing region has begun to raise concerns of possible wheat diseases that may attack the crop. Where weather permitted, farmers were spraying, hoeing beans, cultivating corn, harvesting hay, side dressing corn and preparing combines for wheat harvest. Corn height 8 in., 6 in. 1996, 7 in. avg. Wheat: filled 58%, 43% 1996, 67% avg.; turning yellow 7%, 7% 1996, 20% avg. Oats headed 12%, 16% 1996, 28% avg.; filled less than 1%, 2% 1996, 6% avg.; 2% poor, 21% fair, 69% good, 8% excellent. Alfalfa

hay 1st cutting 48%, 25% 1996, 56% avg.; 4% poor, 28% fair, 60% good, 8% excellent. Red clover hay cutting 31%, 32% 1996, 51% avg.; 2% very poor, 3% poor, 24% fair, 63% good, 8% excellent.

INDIANA: Days suitable for fieldwork 0.7. Topsoil 31% adequate, 69% surplus. Subsoil 43% adequate, 57% surplus. Heavy rains left crops in many areas under water for several days. Replanting drowned out areas will be necessary as weather allows. Range, pasture feed 2% very poor, 6% poor, 23% fair, 57% good, 12 excellent. First cutting of alfalfa 26% complete. Transplanting of tobacco 25% complete. Activities: Scouting fields, soybean planting, cutting hay, applying herbicide, mowing roadsides, caring for livestock.

IOWA: Days suitable for fieldwork 6.4. Topsoil short 19%, adequate 78%, surplus 3%. Subsoil short 7%, adequate 89%, surplus 4%. Warmer weather boosted crop development. Farmers were busy spraying, especially in corn. As the 1st cutting begins, hay is reported to be short with low yields, quality. Alfalfa hay 1st harvest 17%, 4% 1996, 25% avg. Corn emerged 98%, 91% 1996, 86% avg.; acreage replanted or to be replanted is 2%, 4% 1996; stand is 94% of normal. Soybeans planted 99%, 71% 1996, 78% avg.; emerged 86%, 43% 1996, 57% avg. Corn 2% poor, 26% fair, 59% good, 13% excellent. Hay 4% very poor, 16% poor, 43% fair, 33% good, 4% excellent. Oats 31% fair, 54% good, 11% excellent. Pasture feed 2% very poor, 9% poor, 41% fair, 43% good, 5% excellent. Winter wheat 4% poor, 35% fair, 55% good, 6% excellent. Livestock are reported in good condition. Feedlot development reported as above average.

KANSAS: Days suitable for fieldwork 4.2. Topsoil 1% very short, 12% short, 80% adequate, 7% surplus. Subsoil 1% very short, 12% short, 84% adequate, 3% surplus. Wheat turning 60%, 46% 1996, 47% avg.; condition improving, southern third of State turning rapidly 1% ripe. Sorghum 1% poor, 18% fair, 76% good, 5% excellent. Soybeans 12% fair, 80% good, 8% excellent. Sunflowers 16% fair, 84% good. First cut alfalfa hay 80%, 63% 1996, 70% avg.; 2nd cut alfalfa 4%, 0% 96, 2% avg. Main insect reports were aphids, cutworms in alfalfa, chinch bugs in sorghum. Disease reports of wheat streak mosaic, barley yellow dwarf, leaf rust in all districts, smut in northeastern area of State. Pasture feed 5% poor, 19% fair, 65% good, 11% excellent. Stock water supplies 5% short, 90% adequate, 5% surplus. Major field activities included planting fall crops, side dressing corn, harvesting alfalfa hay. Livestock doing well on pasture.

KENTUCKY: Days suitable fieldwork 0.9. Topsoil 16% adequate, 84% surplus. Subsoil 27% adequate, 73% surplus. Burley tobacco set 39%, 58%, 1996, 70% avg. Dark tobacco 48% set. Set tobacco 1% very poor, 8% poor, 33% fair, 48% good, 10% excellent. Plants in beds large, some rot, disease. Some flood damage to corn, late seeded corn has germination problems. Emerged corn 1% very poor, 14% poor, 41% fair, 39% good, 5% excellent. Winter wheat 5% poor, 32% fair, 52% good, 11% excellent. Pasture feed 6% poor, 28% fair, 49% good, 17% excellent. Much of the hay crop past optimum cutting stage. Rain general through the week. Very little field activity.

LOUISIANA: Days suitable for fieldwork 4.7. Soil moisture 6% short, 74% adequate, 20% surplus. Corn 11% fair, 63% good, 26% excellent; 34% silked, 71% 1996, 54% avg.; 3% dough, 8% 1996, 8% avg. Cotton 100% emerged, 100% 1996, 99% avg. Hay 73% 1st cutting, 71% 1996, 66% avg. Hay baling resumed as fields dried. Peaches 1% poor, 46% fair, 53% good; 20% harvested, 25% 1996, 16% avg. Rice 100% planted, 100% 1996, 99% avg.; 0% headed, 0% 1996, 3% avg.; growers continued to report problems with water weevils, sheath blight. Sorghum 2% poor, 33% fair, 63% good, 2% excellent; 92% emerged, 98% 1996, 91% avg.; 0% headed, 0% 1996, 0% avg. Soybeans 1% very poor, 2% poor, 25% fair, 65% good, 7% excellent; 69% emerged, 81% 1996, 70% avg. A few low-lying soybean fields were replanted after being flooded during recent rains. Spring plowing 99% plowing, 100% 1996, 99% avg. Sugarcane 5% poor, 25% fair, 47% good, 23% excellent. Sweetpotatoes 39% planted, 43% 1996, 45% avg. Wheat 1% very poor, 12% poor, 37% fair, 45% good, 5% excellent; 68% harvested, 84% 1996, 75% avg. Livestock 3% poor, 28% fair, 62%

good, 7% excellent. Vegetables 9% poor, 38% fair, 43% good, 10% excellent. Vegetable producers began harvesting bell peppers.

MARYLAND: Days suitable for fieldwork 5.2. Topsoil 1% very short, 16% short, 80% adequate, 3% surplus. Subsoil 11% short, 83% adequate, 6% surplus. Winter wheat 1% very poor, 5% poor, 20% fair, 60% good, 14% excellent; 99% headed, 99% 1996, 99% avg.; 14% turned, 8% 1996, 30% avg. Rye 11% fair, 67% good, 22% excellent; 51% turned, 32% 1996, 36% avg.; 11% harvested, 0% 1996, 3% avg. Barley 2% very poor, 2% poor, 18% fair, 54% good, 24% excellent; 74% turned, 72% 1996, 81% avg. Field corn 96% planted, 93% 1996, 96% avg. Soybeans 55% planted, 26% 1996, 47% avg. Sorghum 42% planted, 24% 1996, 49% avg. Apples 2% very poor, 7% poor, 12% fair, 69% good, 10% excellent. Peaches 35% very poor, 1% poor, 23% fair, 40% good, 1% excellent. Cantaloupe 90% planted, 90% 1996, 94% avg. Sweet corn 90% planted, 85% 1996, 85% avg. Watermelons 89% planted, 88% 1996, 90% avg. Tomatoes 95% planted, 92% 1996, 89% avg. Cucumbers 70% planted, 87% 1996, 79% avg. Tobacco 60% transplanted, 70% 1996, 68% avg. Green peas harvested 7% harvested, 19% 1996, 38% avg. Strawberries 38% harvested, 41% 1996, 48% avg. Hay supplies 8% very short, 9% short, 81% adequate, 2% surplus. Alfalfa hay 72% 1st cutting, 66% 1996, 79% avg. Clover, other hays 54% 1st cutting harvested, 42% 1996, 56% avg. Activities: Harvesting hay is still continuing, soybean planting continuing, reports of low temperatures on the lower eastern shore impeding crop progress.

MICHIGAN: Warmer weather during the week, field crops were still behind schedule. Farmers were able to finish up much of their planting due to the weather improvements. Some precipitation scattered across the State. Topsoil 2% very short, 14% short, 68% adequate, 16% surplus. Subsoil 1% very short, 5% short, 80% adequate, 14% surplus. Potatoes planted 89% 1997, 90% 1996, 96% avg. Asparagus harvested 55% 1997, 61% 1996, 76% avg. Corn planted 96% 1997, 87% 1996, 95% avg.

MINNESOTA: Days suitable for fieldwork 6.0. Topsoil 17% very short, 29% short, 52% adequate, 2% surplus. Corn 97% emerged, 84% 1996, 86% avg.; 11% cultivated, 7% 1996, 21% avg. Soybeans 98% planted, 83% 1996, 86%; 78% emerged, 46% 1996, 62% avg.; 2% cultivated, 1% 1996, 7% avg. Spring wheat 97% planted, 90% 1996, 97% avg.; 82% emerged, 62% 1996, 87% avg.; 10% jointed, 1% 1996, 28% avg. Oats 99% planted, 99% 1996, 99% avg.; 95% emerged, 94% 1996, 95% avg.; 21% jointed, 9% 1996, 33% avg. Barley 99% planted, 91% 1996, 97% avg.; 88% emerged, 60% 1996, 85% avg.; 6% jointed, 1% 1996, 24% avg. Sweet corn 82% planted, 79% 1996, 80% avg. Potatoes 79% planted, 74% 1996, 89% avg. Flaxseed 82% planted, 64% 1996, 81% avg. Dry edible beans 91% planted, 58% 1996, 82% avg. Sunflowers 92% planted, 65% 1996, 87% avg. Alfalfa 13% 1st cutting, 5% 1996, 28% avg. Pasture feed 6% very poor, 23% poor, 38% fair, 31% good, 2% excellent. Spring wheat 4% poor, 16% fair, 56% good, 24% excellent. Barley 3% poor, 21% fair, 57% good, 19% excellent. Corn 1% very poor, 8% poor, 39% fair, 44% good, 8% excellent. Oats 2% poor, 42% fair, 50% good, 6% excellent. Sugar beets 4% poor, 21% fair, 46% good, 29% excellent. Soybeans 1% very poor, 9% poor, 33% fair, 49% good, 8% excellent.

MISSISSIPPI: Days suitable for fieldwork 2.0. Soil moisture 1% short, 41% adequate, 58% surplus. Corn 100% emerged, 100% 1996, 97% avg.; 7% silked, 13% 1996, 14% avg.; 6% poor, 17% fair, 63% good, 14% excellent. Soybeans 82% planted, 95% 1996, 74% avg.; 69% emerged, 90% 1996, 66% avg.; 7% poor, 18% fair, 59% good, 16% excellent. Wheat 50% mature, 93% 1996, 89% avg.; 5% harvested, 40% 1996, 28% avg.; 1% very poor, 7% poor, 40% fair, 46% good, 6% excellent. Peaches 13% harvested, 15% 1996, 18% avg.; 21% fair, 55% good, 24% excellent. Peanuts 99% planted, 99% 1996, 90% avg.; 1% fair, 99% good. Sweetpotatoes 12% planted, 28% 1996, 46% avg.; 24% poor, 1% fair, 75% good. Hay 85% harvested (cool season), 91% 1996, N/A avg.; (warm season), 18% harvested, 25% 1996, N/A avg.; 1% very poor, 8% poor, 40% fair, 40% good, 11% excellent. Watermelons 94% planted, 100% 1996, 96% avg.; 3% very poor, 8% poor, 38% fair,

42% good, 10% excellent. Blueberries 7% poor, 18% fair, 55% good, 20% excellent. Cattle 1% very poor, 2% poor, 19% fair, 61% good, 17% excellent. Pasture feed 3% poor, 20% fair, 62% good, 15% excellent. Main farm activities: Delayed in some areas, halted in others due to continued rainfall throughout much of the State.

MISSOURI: Days suitable for fieldwork 4.0 ranging from 2 days northeastern, southeastern districts to 6 days in northwestern, southwestern districts. Topsoil 12% short, 64% adequate, 24% surplus. Many fields in the northeastern, east-central, southeastern districts are still wet from heavy rains of a week ago. Warmer weather needed for all crops. Bean planting most advanced in the northwest, north-central, central districts with 86% or more planted, least advanced southwest, south-central. Sorghum planting most advanced in southern third with 89% or more, least advanced northeast, central at 56%. Wheat heading is virtually complete at 93% or more all districts. Wheat coloring 81% southeast, just beginning in northern third of State with about 8% in the northwest, northeast. First crop alfalfa 58%, 47% 1996, 52% avg. Other hay 28%, 22% 1996, 27% avg. Pasture feed 1% very poor, 9% poor, 38% fair, 48% good, 4% excellent.

MONTANA: Days suitable for fieldwork 5.5. Topsoil 11% very short, 22% short, 65% adequate, 2% surplus. Subsoil 5% very short, 20% short, 73% adequate, 2% surplus. Precipitation throughout most of the State has helped subsoil moisture, pasture condition, hay crop. First cutting of hay has begun. There was limited hail damage to hay in different areas of the State towards the end of the week. Oats emerged 88%, 80% 1996, 86% avg.; 1% very poor, 8% poor, 38% fair, 50% good, 3% excellent. Sugar beets 100% emerged, 100% 1996. Corn 97% emerged, 83% 1996. Potatoes emerged 39%, 44% 1996. Dry beans emerged 100%, 72% 1996. Calving 99% complete, lambing 96% complete. Cattle moved to summer pasture 92%, 92% 1996, 87% avg, sheep moved 85%, 92% 1996, 84% avg.

NEBRASKA: Days suitable for fieldwork 4.7. Subsoil 13% short, 86% adequate, 1% surplus. Topsoil 2% very short, 16% short, 78% adequate, 4% surplus. Drier, warmer weather conditions in the eastern third of State last week allowed planting progress of soybeans, sorghum to near completion. However, rainfall in the Panhandle, southwestern parts of the State averaged over 2 inches. Resulting wet soil conditions in these areas limited dry bean planting. Winter wheat 2% very poor, 10% poor, 37% fair, 46% good, 5% excellent; 86% headed, 68% 1996, 81% avg. Corn 98% emerged, 94% 1996, 87% avg.; reports in the eastern counties indicated that some producers have had to replant due to cutworm and wire worms problems. Soybeans 97% planted, 77% 1996, 80% avg.; 73% emerged, 40% 1996, 55% avg. Sorghum 94% planted, 68% 1996, 73% avg.; 59% emerged, 34% 1996, 48% avg. Oats 2% poor, 26% fair, 65% good, 7% excellent. Dry bean 25% planted, 48% 1996, 42% avg.; 4% emerged, 20% 1996, 16% avg. Alfalfa 6% very poor, 12% poor, 32% fair, 48% good, 2% excellent; 26% 1st cutting, 22% 1996, 42% avg.; reports in east-central indicated that the first cutting was short. Wild hay 1% very poor, 12% poor, 30% fair, 54% good, 3% excellent. Pasture feed, range 1% very poor, 10% poor, 25% fair, 57% good, 7% excellent; most cattle had been moved to pastures. Other activities: cultivating row crops, applying chemicals, moving grain to market.

NEVADA: Days suitable for fieldwork 6 to 7. Alfalfa hay 1st cutting in full swing northwest, central. Some windrowed hay damaged by evening thundershowers. Alfalfa good. Corn, sudan planting advanced north. Spring wheat, barley condition fair to mostly good; pesticide spraying underway. Winter wheat mostly good. Onions, garlic in good to excellent condition; potatoes good. Weeding of row crops continued. Drying of northern pastures, ranges alleviated somewhat by weekend rains. Most livestock on summer range. Main farm, ranch activities: Alfalfa hay harvest, irrigating, spraying. Temperatures continued to average above normal for the week, though cooler at weeks end. Rainfall was common across the northern part of the State on 8th with Reno receiving 0.4 inches; lesser quantities recorded elsewhere.

NEW ENGLAND: Days suitable for fieldwork 6.9. Topsoil 14% short, 84% adequate, 2% surplus. Subsoil 8% short, 85% adequate, 7% surplus. Pasture feed 1% very poor, 7% poor, 36% fair, 48% good, 8% excellent. Massachusetts potatoes: 100% planted, 100% 1996, 99% avg.; 80% emerged; good to fair. Rhode Island potatoes: 100% planted, 99% 1996, 99% avg.; 65% emerged; good to excellent. Maine potatoes: 95% planted, 95% 1996, 90% avg.; 5% emerged; good. Field corn: 80% planted, 80% 1996, 90% avg.; 40% emerged; good. Sweet corn: 70% planted, 75% 1996, 80% avg.; 40% emerged; good. Oats in Maine: 90% planted, 95% 1996, 95% avg.; 45% emerged; good. Barley in Maine: 90% planted, 95% 1996, 45% emerged; good. Shade tobacco: 90% planted, 99% 1996, 95% avg.; condition good. Broadleaf tobacco: 45% planted, 30% 1996, 50% avg.; good. Hay: 15% harvested, 20% 1996, 25% avg.; fair to good. Cranberries in bud stage; fruit set average; condition good. Highbush blueberries full bloom; fruit set average; condition good. Wild blueberries reported in full bloom to early bloom; condition good. Strawberries full bloom; fruit set average; good. Pears in petal fall; fruit set average; good. Apples petal fall to full bloom; fruit set average to below average; good. Peaches in petal fall; fruit set below average to average; good to fair. The warm, dry week allowed planting progress to move closer to 1996, normal. Farmers were busy with first mowing of hay fields. Major farm activities: Planting field corn, potatoes, sweet corn, chopping grass, fertilizing.

NEW JERSEY: Days suitable for fieldwork 6. Topsoil short to adequate. Farmers are busy implementing pest control measures, planting, harvesting. Planting tomatoes, peppers, sweetpotatoes, eggplant, peppers, snap beans, sweet corn, soybeans, field corn. Harvesting of lettuce (all types), asparagus, spinach, leeks, herbs, parsley, turnips, endive, escarole, beets, savoy & Chinese cabbage, peas, kale, pickles, fava beans, Swiss chard. Cutting, baling of hay continues. Wheat, barley are heading up. Pastures reported in good condition. Peaches, apples blueberries are sizing well. Some thinning of peaches reported. Early blooming of cranberries reported. Harvesting of strawberries continues.

NEW MEXICO: Days suitable for fieldwork 5.5. Topsoil 5% very short, 12% short, 79% adequate, 4% surplus. Planting of sorghum continued well ahead of schedule; 67% complete, 26% 1996, 39% avg. Rainfall throughout the State last week slowed hay harvest. The first cutting of alfalfa 91% complete, 2nd cutting 45% complete; 1% poor, 15% fair, 74% good, 10% excellent. With some wheat farmers preparing to harvest next week the crop was rated; 15% fair, 73% good, 12% excellent; 100% headed, 99% 1996, 99% avg. Onion harvest, also slowed by precipitation was 18% complete. Onion 11% fair, 64% good, 25% excellent. With abundant rainfall most crop conditions continue to improve. Chile 2% poor, 19% fair, 60% good, 19% excellent; corn 4% fair, 87% good, 9% excellent; cotton 1% poor, 28% fair, 49% good, 22% excellent. Cattle, sheep continued to be in fair to good condition. Range, pasture feed conditions continue to improve; 4% poor, 23% fair, 65% good, 8% excellent.

NEW YORK: Days suitable for fieldwork 5.9. Soil moisture 20% short, 66% adequate, 14% surplus. Pasture feed 15% fair, 74% good, 11% excellent. Corn 83% planted, 75% 1996, 85% average. First cutting alfalfa 18% finished, 18% 1996, 23% avg. Clo-tim 1st cutting 12% complete, 12% 1996, 16% avg. Potatoes emerging in Upstate locations. Wheat 60% excellent, 40% good. Dry bean planting picking up momentum, 8% of crop planted. Soybeans 38% planted. Good fruit set in Hudson Valley. Spraying, thinning continued in apple orchards across the State. Excellent weather accelerated growth. Rain in Orange County helped vegetable crops. Planting continued for most vegetables. Strawberry harvest getting underway.

NORTH CAROLINA: Days suitable for fieldwork 3.9. A record-low daytime high for June was set this week as farmers had to deal with rain, cool weather again. Reports of slow growing crops continue, more farmers are concerned about lower yields. Tobacco farmers are concerned that the cool weather will make the plants more susceptible to blue mold. Several farmers reported blue mold outbreaks. Soil

moisture 9% short, 65% adequate, 26% surplus. Activities for the week included: Planting cotton, peanuts, soybeans, tobacco; fertilizer, herbicide applications on corn; harvesting small grains; cutting hay; maintaining pastures; tending livestock; repairing equipment; general farm maintenance.

NORTH DAKOTA: Days suitable for fieldwork 7. Lack of precipitation and above-normal temperatures stressed emerged crops, provided favorable planting conditions. This is the driest early June soil moisture since 1988. Topsoil 26% very short, 43% short, 29% adequate, 2% surplus. Subsoil 2% very short, 22% short, 71% adequate, 5% surplus. Planting of all crops, except sunflowers, neared completion. Emergence of all late season crops, except dry edible beans and soybeans, was ahead of averages. Durum wheat 98% planted, 93% 1996, 95% avg.; 76% emerged and beyond 65% 1996, 81% avg. Late season crops: Canola 99% planted, 71% emerged and beyond; corn 98% planted, 93% 1996, 95% avg.; 84% emerged and beyond 70% 1996, 79% avg.; dry edible beans 94% planted, 32% 1996, 89% avg.; 54% emerged and beyond; 32% 1996, 58% avg.; flaxseed 93% planted, 95% 1996, 84% avg.; 62% emerged and beyond, 36% 1996, 58% avg.; potatoes 97% planted, 95% 1996, 98% avg.; 48% emerged and beyond; 37% 1996, 47% avg.; soybeans 95% planted, 77% 1996, 90% avg.; 61% emerged and beyond; 39% 1996, 65% avg.; sugar beets 97% emerged and beyond; 87% 1996, 96% avg.; sunflower 86% planted, 73% 1996, 82% avg.; 46% emerged and beyond, 25% 1996, 44% avg. Condition of all crops except sugar beets deteriorated due to lack of precipitation. Emerged crop condition: durum 3% very poor, 17% poor, 33% fair, 45% good, 2% excellent; corn 2% poor, 15% fair, 68% good, 15% excellent; sugar beets 14% fair, 59% good, 27% excellent. Pasture feed 10% very poor, 32% poor, 36% fair, 19% good, 3% excellent.

OHIO: Days suitable for fieldwork 1.2, 3.66 avg. Topsoil 31% adequate, 69% surplus. The growers again felt the impact on their planting, haying progress due to the past 2 weeks of cool wet weather. Corn 93% emerged, 39% 1996, 79% avg. Oats emerged up 2 points from last week. Most districts above 95%, northwest district below 80% oats emerged. Alfalfa hay 1st cutting 13%, 21% 1996, 53% avg. Other hay 1st cutting 7%, 13% 1996, 36% avg. Oats 3% headed, NA 1996, 14% avg.; headed about a week behind the avg. Potatoes 92% planted, 90% 1996, 97% avg. Processing tomatoes 51% transplanted, 84% 1996, 84% avg. Soybeans planted slightly one day behind the avg. Central district above 90% planted, north-central, northeastern districts below 55% planted. Soybeans 64% emerged, 17% 1996, 57% avg. North-central, northeastern districts slightly above 35% soybean emerged. Winter wheat headed up 28 points from last week, still 1 week behind avg. Winter wheat turning color 5 points behind avg. Southern areas growers are staking, trellising, transplanting tomatoes. They are also setting peppers, tobacco, melons. Activities throughout the State included crop scouting, machinery maintenance, draining low spots, water damage assessment, cultivating, side dressing corn, planting vegetables, emptying out rain gauges. Low lying areas are ponding, and streams have risen. There were reports of roads being closed due to the past two weeks of rain. Some crops are submerged in low lying areas, concern of replanting is still an issue. Some growers are trying to relieve the flooded areas. There is still some concern over weed pressure since most fields are too wet to work. Conditions for corn, oats, pasture, winter wheat varied slightly from last week. Oats, winter wheat conditions are looking better this year than they did last year. Hay 1% very poor, 11% poor, 35% fair, 46% good, 7% excellent.

OKLAHOMA: Days suitable for fieldwork 5.5. Topsoil 12% short, 78% adequate, 10% surplus. Subsoil 8% short, 87% adequate, 5% surplus. Rain, high humidity caused combines to stay out of southwestern wheat fields most of last week. Wheat 79% soft dough, 89% 1996, 85% avg.; 1% harvested, 25% 1996, 11% avg.; oats 72% soft dough, 86% 1996, 70% avg.; 0% harvested, 25% 1996, 8% avg.; corn 0% tasseling, 8% 1996, 6% avg.; sorghum 15% up-to-stand, 31% 1996, 32% avg.; soybeans 65% planted, 77% 1996, 51% avg.; 45% up-to-stand, 53% 1996, 35% avg.; peanuts 79% planted, 82% 1996, 70% avg.; 64% up-to-stand, 64% 1996, 51% avg.; cotton 56% up-to-stand, 53% 1996, 51% avg.; alfalfa hay 97% 1st cutting, 95% 1996, 88% avg.; 14% 2nd

cutting, 15% 1996, 11% avg.; all other hay 49% 1st cutting, 33% 1996, 52% avg.; watermelons 91% running, 90% 1996, 68% avg.; livestock 1% poor, 14% fair, 79% good, 6% excellent. Fed cattle prices steady to \$2.00 higher.

OREGON: Days suitable for fieldwork 4.6. Topsoil 6% short, 90% adequate, 4% surplus. Subsoil 3% short, 96% adequate, 1% surplus. All barley 100% planted, 98% 1996, 98% avg. Winter wheat 1% poor, 9% fair, 61% good, 29% excellent; 82% headed, 80% 1996, 88% avg. Activities: Light rain interrupted haying, some downed hay got wet. Westside producers cutting silage, grain crops growing rapidly. East side small grain crops benefited from moisture. Nurseries shaping ornamental trees, continuing to ship balled stock. Easter lily bud picking continued. Christmas trees have excellent growth, look good. Most vegetable planting completed, shows good growth. Willamette Valley: Yamhill County reported sweet corn at 6 inches while planting delayed in Marion County due to heavy rains. Early salad vegetables headed to market. Strawberry harvest advancing, cherries beginning to ripen, raspberries showing color. Prunes, peaches, hazelnuts beginning to size. Northeast, potatoes looked excellent. Mid-Columbia: Green pea harvest started. Cherries beginning to ripen. South Coast: Cranberries at various stages of development from bloom to fruit set. Some concerns surfacing about the black vine weevil in Cranberries.

PENNSYLVANIA: Days suitable for fieldwork 3.7. Fair week for fieldwork. Soil moisture 10% short, 70% adequate, 20% surplus. Corn height 4 in., 6 in. 1996, 5 in. avg.; 8% poor, 34% fair, 55% good, 3% excellent. Tobacco transplanted 35% complete, 38% 1996, 38% avg. Soybeans planted 77% complete, 67% 1996, 71% avg.; 25% fair, 70% good, 5% excellent. Potatoes planted 90% complete, 91% 1996, 93% avg. Barley 97% heading or headed, 98% 1996, 93% avg.; 40% turning yellow, 44% 1996, 29% avg. Wheat 86% heading or headed, 90% 1996, 85% avg.; 5% poor, 25% fair, 63% good, 7% excellent. Oat 4% poor, 33% fair, 58% good, 5% excellent. Alfalfa 1st cutting 50% complete, 49% 1996, 48% avg. Timothy clover 1st cutting 15% complete, 22% 1996, 25% avg. Quality of hay made 2% very poor, 8% poor, 35% fair, 50% good, 5% excellent. Peach 5% very poor, 18% poor, 50% fair, 27% good. Apple 10% poor, 30% fair, 60% good. Activities: Plowing; planting corn, soybeans; making hay and haylage; fixing fences; hauling manure; caring for livestock.

SOUTH CAROLINA: Soil moisture 12% short, 70% adequate, 18% surplus. Barley 53% harvested, 40% 1996, 34% avg.; 4% fair, 60% good, 36% excellent. Cantaloupes 2% very poor, 10% poor, 50% fair, 38% good. Corn 33% silked, 9% 1996, 12% avg.; 5% doughed; 5% poor, 24% fair, 57% good, 14% excellent. Cucumbers 35% harvested; 54% fair, 41% good, 5% excellent. Grain hay 98% harvested, 90% 1996, 88% avg.; 2% very poor, 5% poor, 32% fair, 55% good, 6% excellent. Oats 88% ripe, 91% 1996, 81% avg.; 60% harvested, 46% 1996, 42% avg.; 1% poor, 23% fair, 64% good, 12% excellent. Peaches 21% harvested, 7% 1996, 10% avg.; 12% poor, 20% fair, 38% good, 30% excellent. Rye 91% ripe, 87% 1996, 77% avg.; 60% harvested, 34% 1996, 31% avg.; 3% poor, 35% fair, 56% good, 6% excellent. Snap beans 94% planted, 97% 1996, 88% avg.; 16% fair, 71% good, 13% excellent. Sorghum 58% planted, 53% 1996, 50% avg.; 8% fair, 57% good, 35% excellent. Soybeans 1% poor, 29% fair, 67% good, 3% excellent. Sweetpotatoes 66% planted, 90% 1996, 69% avg.; 28% fair, 72% good. Tobacco 17% topped; 5% poor, 31% fair, 60% good, 4% excellent. Tomatoes 15% fair, 45% good, 40% excellent. Watermelons 5% poor, 38% fair, 49% good, 8% excellent. Winter wheat 68% ripe, 90% 1996, 83% avg.; 20% harvested, 36% 1996, 30% avg.; 1% poor, 17% fair, 57% good, 25% excellent.

SOUTH DAKOTA: Days suitable for fieldwork 4.0. Topsoil 1% very short, 12% short, 63% adequate, 24% surplus. Subsoil 2% short, 66% adequate, 32% surplus. Winter wheat 51% boot. Winter rye 69% boot. Spring wheat 5% boot. Winter rye 3% very poor, 1% poor, 22% fair, 62% good, 12% excellent. Alfalfa hay 3% very poor, 4% poor, 28% fair, 52% good, 13% excellent. Sunflowers 43% planted. Flax 92% planted, 46%

emerged. Livestock 2% poor, 16% fair, 67% good, 15% excellent. Cattle, calves moved to pasture 92% complete. Feed supplies 8% very short, 10% short, 76% adequate, 6% surplus. Stock water 1% short, 70% adequate, 29% surplus.

TENNESSEE: Days suitable for fieldwork 1.0. Topsoil 38% adequate, 62% surplus. Subsoil 53% adequate, 47% surplus. Excess rainfall in State has caused a significant delay in fieldwork last week. Farmers continue to plant, transplant and harvest, whenever possible, their efforts are minimal, as all progresses are behind the five-year average pace. Conditions of the corn, cotton, tobacco crops have also been affected by the cool, cloudy, wet weather. Pastures, hay fields are benefiting from the rainfall, growth remains good. Sunshine, warmer weather is needed throughout the State. Corn 9% poor, 30% fair, 51% good, 10% excellent. Tobacco 2% very poor, 10% poor, 38% fair, 45% good, 5% excellent; 54% transplanted, 73% 1996, 81% avg. Wheat 80% turning color, 93% 1996, 92% avg.; 10% ripe, 20% 1996, 34% avg. Sorghum 2% very poor, 3% poor, 36% fair, 55% good, 4% excellent; 85% planted, 85% 1996, 89% avg. Pasture feed 4% poor, 21% fair, 58% good, 17% excellent. Alfalfa hay 3% poor, 32% fair, 54% good, 11% excellent; 77% 1st cutting, 89% 1996, 94% avg. Other hay 6% poor, 35% fair, 52% good, 7% excellent.

TEXAS: Early-week rain gave way to open, milder conditions by mid-week. These open conditions were welcomed relief to producers in many areas as sunny weather was needed in most areas. Fieldwork progressed in much of the State as did haying activity. Isolated heavy rains in parts of Hill Country caused some flooding problems. Livestock conditions were also good across the State. Flies continued to cause problems for some herds. Crops: Small grain fields continued to look good in the High Plains and made good progress for the week. Harvest operations were slowly increasing in the north-central areas, while winding down in many fields in the central and southern areas. Wet fields continued to keep harvest progress slow in some areas. Corn fields in most areas made good progress for the week. Some cultivation operations occurred in the Plains. Fields continued to tassel in the central areas, with fields entering the dough stage in the Coastal Bend and Rio Grande Valley areas. Drier weather was needed in some areas. Crop progress was 19% silked, compared with 34% in 1996 and the 37% avg.; 4% dough, compared with 14% in 1996 and the 13% avg. Cotton planting continued. Crops in the plains with early fields up, showed good growth as temperatures increased during the week. Fields also responded favorably to warmer weather in the central, southern, and coastal areas. Plants in the Lower Valley were setting bolls. Plants were putting on squares in many other areas. Grain sorghum producers were cultivating in the plains and north-central areas by mid-week. Progress was good in most fields in the central and southern areas. Fields beginning to head in the central areas, were beginning to turn color in some fields in the Coastal Bend and Rio Grande Valley. Crop progress was 18% headed, compared with 32% in 1996 and the 35% avg., and 1% turning color, compared with 10% in 1996 and the 11% avg. In most peanuts fields planted in the north-central areas, with fields up and showing good progress. Planting activity increased in the southern areas by mid-week. Rice planting was virtually completed along the Upper Coast. Emerged fields made good progress during the week. Soybean progress improved in the north-central areas. Most planting was completed along the Upper Coast, with many fields still showing slow progress and needing more open weather. Sugarbeet progress was good in the High Plains.

Commercial Vegetables: In the Rio Grande Valley, harvest of carrots and cabbage continued. However, many cantaloup and onion fields were lost to prolonged wetness. In the San Antonio-Winter Garden, onion harvest was winding down in many fields. Watermelon harvest continued. In the High Plains, onions and potatoes continued to make good progress. In the east, sweetpotato planting continued. Early fields were emerging to good stands. Harvest of other vegetables continued. In the Trans-Pecos, progress of chilies was good. Peach harvest continued in most areas on early varieties. Brown rot continued to cause problems in some areas. Pecan spraying continued in many

areas for light crop of case bearers. Webworms have invaded trees in some areas.

Range and Livestock: Haying activity increased in many areas, with return of open conditions. Growth of native grasses continued to be good. Livestock conditions remained good in all areas. Hornflies were major problem to cattle.

UTAH: Days suitable for fieldwork 6.4. Topsoil 1% very short, 13% short, 78% adequate, 8% surplus. Subsoil 1% very short, 14% short, 75% adequate, 10% surplus. Pasture feed, range 2% very poor, 10% fair, 66% good, 22% excellent. Oats emerged 98%, 86% 1996, 91% avg. Winter wheat heading or better 65%, 50% 1996, 60% avg. Corn emerged 86%, 91% 1996, 85% avg.; height 6 in., 5 in. avg. Alfalfa hay 1st cutting 33%, 29% 1996, 42% avg.; height 23 in., 20 in. 1996, 20 in. avg. Other hay cutting 6%, 5% 1996, 13% avg. Dry beans planted 85%. Cattle moved to summer range 77%, 76% 1996, 76% avg. Sheep moved to summer range 65%, 80% 1996, 71% avg. Major farm, ranch activities: Hay harvesting, irrigating, spraying for weeds, spraying fruit trees, moving cattle, sheep to summer range, moving hay. There were some reports of heavy alfalfa weevil infestations in Box Elder, Weber Counties, rest of the State reports alfalfa stands as good to excellent. Reservoirs are filling fast. In Emery County, some reservoirs have spilled over.

VIRGINIA: Days suitable for fieldwork 2.8. Topsoil 10% short, 70% adequate, 20% surplus. Subsoil 15% short, 75% adequate, 10% surplus. Corn 95% planted, 94% 1996, 96% avg.; 1% very poor, 10% poor, 46% fair, 35% good, 8% excellent. Soybeans 42% planted, 39% 1996, 42% avg. Cotton 100% planted, 100% 1996, 100% avg.; 15% poor, 55% fair, 30% good. Winter wheat 1% very poor, 12% poor, 35% fair, 45% good, 7% excellent. Barley 4% very poor, 7% poor, 30% fair, 52% good, 7% excellent. Apples 5% very poor, 20% poor, 25% fair, 40% good, 10% excellent. Peaches 20% very poor, 20% poor, 40% fair, 20% good. Flue tobacco transplanted 96%, 96% 1996, 99% avg.; 5% poor, 40% fair, 50% good, 5% excellent. Sun tobacco transplanted 100%, 98% 1996, 92% avg. Burley tobacco transplanted 57%, 77% 1996, 64% avg.; 10% fair, 90% good. Dark fire cured tobacco transplanted 94%, 88% 1996, 93% avg.; 2% poor, 60% fair, 35% good, 3% excellent. Peanuts 100% planted, 100% 1996, 100% avg.; 30% fair, 60% good, 10% excellent. Summer potatoes 50% fair, 50% good. Pasture feed 1% very poor, 8% poor, 40% fair, 47% good, 4% excellent. Alfalfa 12% poor, 35% fair, 48% good, 5% excellent. Other Hay 1% very poor, 14% poor, 50% fair, 34% good, 1% excellent. Much needed rains, earlier during the week, has brought good moisture levels in most localities throughout the State. Virtually all cotton has been planted with some replanting due to cool and previously dry soil conditions. Some localities remain fairly dry, slowing the planting progress of soybeans, causing some corn to be replanted. Cooler-than-normal temperature has caused growth problems in corn, tobacco, most vegetables. Other activities included preparing combines for small grain harvesting, the spraying of peanuts, cotton.

WASHINGTON: Days suitable for fieldwork 4.9. Topsoil 5% short, 85% adequate, 10% surplus. Subsoil 11% short, 87% adequate, 2% surplus. Wet conditions across the State limited fieldwork, delayed 1st hay cutting. Winter wheat 70% headed, 51% 1996, 72% avg.; dryland 10% fair, 60% good, 30% excellent; irrigated 70% good, 30% excellent. Spring wheat 99% emerged, 99% 1996, 100% avg.; 16% headed, 17% 1996, 39% avg. Spring wheat, dryland 10% fair, 60% good, 30% excellent; irrigated 90% good, 10% excellent. Soil moisture adequate, wheat conditions looked very good. Barley 99% emerged, 94% 1996, 98% avg.; dryland, 10% fair, 65% good, 25% excellent; irrigated 100% good. Corn 100% good. Dry beans 45% planted, 76% 1996, 77% avg.

Potatoes 100% emerged, 99% 1996 98% avg. Potatoes, 4% fair, 96% good. Hay, other roughage supplies, 25% short, 74% adequate, 1% surplus. First cutting of alfalfa progressed, where possible, rain delayed haying in many areas. Cutting of timothy hay reported as still two weeks away. Dairies continued cutting green chop west of the mountains. Range, pasture feed 4% poor, 21% fair, 64% good, 11% excellent. West of the Cascades, strawberries continued to ripen. Rain was causing considerable problems for fruit growers in the central part of the State. Cherry growers were concerned over cracking, scrambled to keep cover sprays on fruit. Excessive moisture caused disease problems, growers reported light apples, stronger than expected drop on pears. Grapes were in bloom. Early plantings of peas, corn germinated. Truck gardeners planted warm season vegetable crops.

WEST VIRGINIA: Days suitable for fieldwork 3.0. Topsoil 3% short, 78% adequate, 19% surplus. Intended Acreage Prepared for Spring Planting 99%, 86% 1996. Corn 24% fair, 76% good; 93% planted, 76% 1996, 87% avg. Hay 11% poor, 30% fair, 55% good, 4% excellent; 1st cutting of hay 9%, 14% 1996, 32% avg. Hay progress continues to lag behind normal. Oats 1% poor, 13% fair, 86% good; 99% planted, 97% 1996, 94% avg.; 81% emerged, 84% 1996, 89% avg. Soybean 81% planted, 37% 1996. Tobacco transplanted 49%, 46% 1996, 73% avg. Wheat 1% poor, 5% fair, 86% good, 8% excellent; 87% headed, 88% 1996, 85% avg. Apple 92% fair, 8% good. Peach 100% fair. Cattle 17% fair, 75% good, 8% excellent. Sheep 15% fair, 78% good, 7% excellent. Activities: Planting corn and soybeans; transplanting tobacco, cutting hay and general maintenance.

WISCONSIN: Days suitable for fieldwork 5.7. Soil moisture 5% very short, 29% short, 64% adequate, 2% surplus. Dry conditions pushed planting in State to completion sooner than last year. Soybean plantings increased to 95% in the ground, 65% 1996, 80% avg. First crop hay harvest was reported at 12% started, 4% 1996, 22% avg. A reporter from Green County stated that hay harvested was good in quality, with new seedings yielding close to normal, old seedings 75% of normal. Reporters, statewide, commented on quantity of first crop hay being short. A reporter from Jefferson County noted that some alfalfa with no buds was harvested, since feed for cattle was low. Rainfall has been very spotty throughout the State. Windy days have kept spraying to a minimum, which allowed broadleaf, quack, other weeds to thrive in the fields. Winter wheat 3% poor, 21% fair, 52% good, 24% excellent. Winter wheat looked excellent in Sheboygan County. Small grains were returning to their normal color aided by warmer weather, adequate moisture. All oats have emerged, with no signs of heading yet. Pasture feed 2% very poor, 10% poor, 47% fair, 33% good, 8% excellent. Some hay cut in Dodge County was being fed to cattle to supplement pastures. Potatoes showed good emergence in Wood County.

WYOMING: Days suitable for fieldwork 5.2. Topsoil 5% short, 85% adequate, 10% surplus. Subsoil 6% short, 84% adequate, 10% surplus. Winter wheat 98% jointed, 94% 1996, 91% avg.; 90% boot, 82% 1996, 74% avg.; 2% poor, 15% fair, 69% good, 14% excellent. Barley 94% emerged, 95% 1996, 92% avg.; 73% jointed, 67% 1996, 59% avg.; 21% boot, 21% 1996, 27% avg.; 1% poor, 8% fair, 89% good, 2% excellent. Oats 88% emerged, 92% 1996, 87% avg.; 45% jointed, 34% 1996, 34% avg.; 12% boot, 9% 1996, 10% avg.; 9% fair, 88% good, 3% excellent. Spring wheat 87% emerged, 95% 1996, 89% avg.; 49% jointed, 33% 1996, 40% avg.; 15% boot, 4% 1996, 26% avg.; 26% fair, 71% good, 3% excellent. Sugar beets 9% thinned, 26% 1996, 34% avg.; 11% fair, 86% good, 3% excellent. Corn 95% emerged, 92% 1996, 83% avg.; 7% fair, 92% good, 1% excellent. Dry beans 91% planted, 85% 1996, 72% avg.; 41% emerged, 39% 1996, 33% avg. Range, pasture feed 1% poor, 4% fair, 78% good, 17% excellent. Range flock ewes lambing 89%, 88% 1996, 91% avg. Livestock in mostly good condition.

International Weather and Crop Summary

June 1 - 7, 1997

HIGHLIGHTS

FSU-WESTERN: Timely rain benefited winter wheat advancing through reproduction in traditional growing areas in Ukraine and southern Russia.

FSU-NEW LANDS: Showers continued to hamper final spring grain planting efforts in Urals, Russia, while planting advanced to completion in Kazakstan.

EUROPE: Unusual rains continued to benefit summer crops in Spain, while farther east, soaking rain eased prolonged dryness in northern Italy but caused local flooding.

AUSTRALIA: Beneficial rain covered the western winter grain belt as an unfavorably dry pattern dominated the east.

CANADA: Dry, warm weather aided Prairie grain and oilseed plantings.

SOUTHEAST ASIA: Below-normal rainfall reduced moisture for rainfed crops across Thailand and the Philippines.

EASTERN ASIA: Rain continued to maintain favorable moisture for summer crops across China, Japan, and the Korean Peninsula.

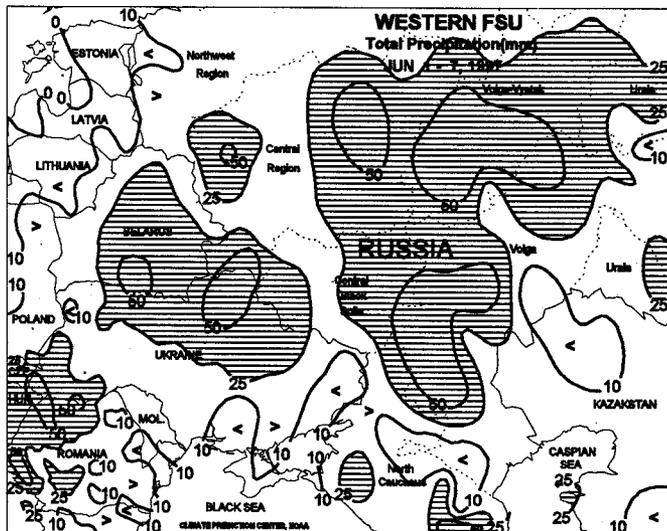
SOUTH AMERICA: Widespread rain increased topsoil moisture for winter wheat planting across central Argentina.

MEXICO: Drier weather prevailed across the main corn belt, reducing moisture for germinating to vegetative corn.

SOUTH ASIA: An unseasonable weather pattern delayed the monsoon arrival in southern India while fostering cool, wet weather farther north.

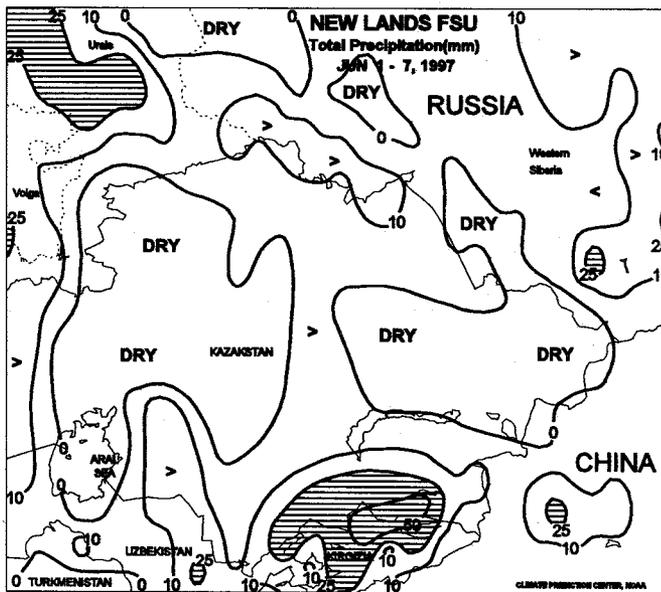
FSU-WESTERN

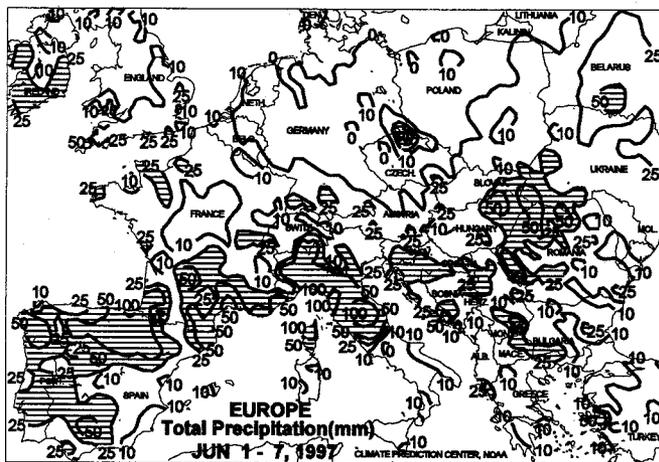
Frequent showers continued to maintain adequate to abundant moisture for crop development throughout the region. Timely rain (10-60 mm, with local amounts in excess of 60 mm) fell in traditional winter wheat-producing areas in Ukraine and southern Russia (Central Black Soils Region, lower half of the Volga Valley, and the North Caucasus region), benefiting winter wheat likely advancing through the reproductive phase of development. Unseasonably cool weather (weekly temperatures averaging 2-3 degrees C below normal) in these areas slowed summer crop development. Farther north in Russia, soaking rain (20-70 mm) in Central and Volga Vyatsk regions benefited winter grains and spring-sown crops. Elsewhere, wet weather (20-50 mm) continued to maintain adequate to abundant moisture for crop development in Belarus, while lesser amounts of rain (2-20 mm) fell farther north in Latvia, Lithuania, and Estonia.



FSU-NEW LANDS

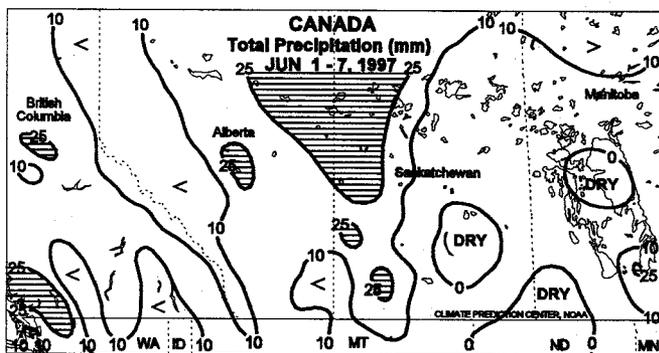
In Russia, reports as of June 2, 1997 indicated spring grain planting was nearing completion. Light to moderate rain (10-40 mm) continued in the Urals, where frequent rain in recent weeks caused planting delays. However, most of the moisture fell early in the week with drier weather favoring planting activities by week's end. Farther east, several days of dry weather in Western Siberia allowed spring grain planting to advance toward completion. In Kazakstan, reports as of June 5, 1997 indicated spring grain planting was complete. Dry weather prevailed over most of Kazakstan during the week. Adequate topsoil moisture favored emergence in most areas in Kazakstan, except in the east where persistent dryness and periodic heat in recent weeks have reduced moisture levels.





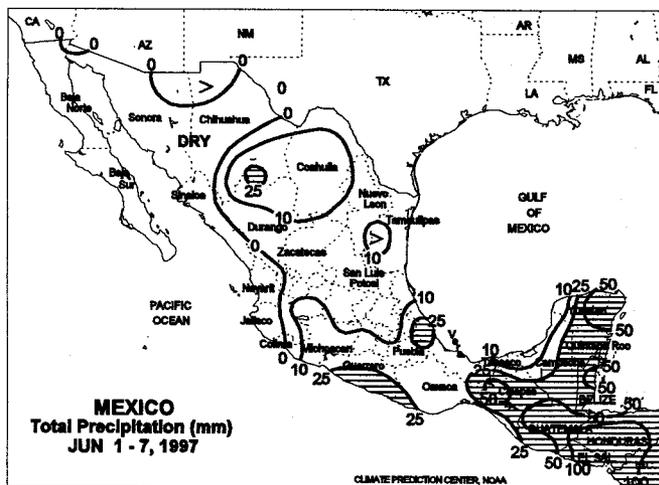
EUROPE

Light to moderate rain returned to England, northern France, and Germany, benefiting winter grains in the reproductive to filling stages as well as summer crops in the vegetative stage. Unusual rains (10-50 mm, with local amounts in excess of 50 mm) fell in Portugal and Spain, providing moisture for summer crop development and lowering irrigation requirements. Farther east, moderate to locally heavy rains (25-100 mm, with locally heavy rains in excess of 100 mm) fell in northern Italy. Although the rain relieved long-term dryness, it likely caused some flooding. In eastern Europe, light showers maintained favorable moisture conditions for crop development from Poland, southward through the Czech Republic, Slovakia, and Hungary, into Romania and Bulgaria. Weekly temperatures averaged 1 to 3 degrees C above normal in northwestern Europe and 1 to 4 degrees C below normal in southern and eastern Europe.



CANADA

A ridge of high pressure dominated the Prairies for much of the week, bringing warm, dry weather to most spring grain and oilseed areas. While promoting planting and warming topsoils for germination, a few locations are in need of moisture. This includes, ironically, previously saturated sections of the southeast, although local areas of the Red River Valley remained prohibitively wet. Persistent showers (10-25 mm or more) also kept parts of northern Alberta too wet for fieldwork. At week's end, the rain moved into western Saskatchewan. Any crops planted from this point on run a higher risk of summer heat stress and autumn freeze damage. In Ontario, cool, wet weather lingered over the southern agricultural districts, slowing summer crop establishment and winter wheat development. The persistent wetness in primary winter wheat threatens another year of disease and poor development. Drier, warmer conditions elsewhere in Ontario and Quebec warmed topsoils for germination.

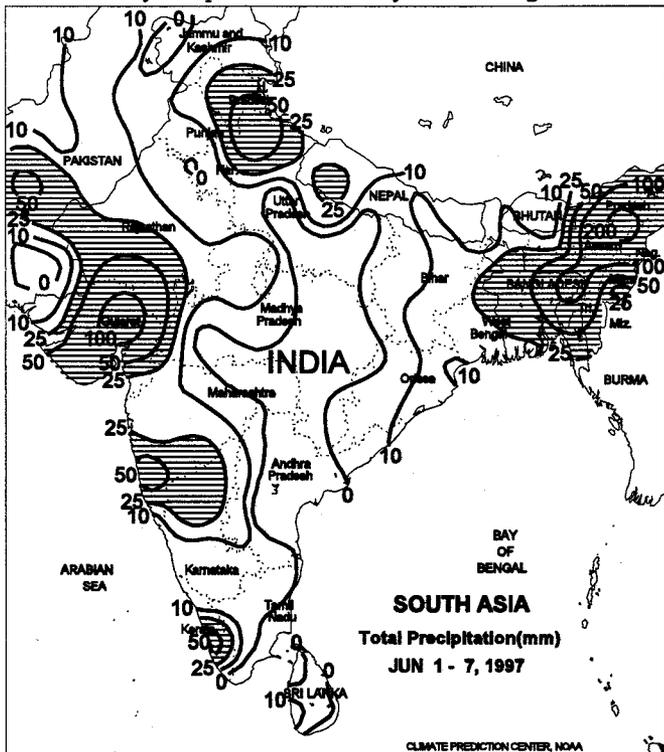


MEXICO

Rainfall (5-25 mm) was confined to the southern half of the corn belt (Michoacan, Mexico, Puebla, and Guerrero states), increasing topsoil moisture for germinating to vegetative corn. However, dry weather further north reduced moisture supplies. The rainy season has not fully established itself across central Mexico. Typically, rainfall in the main corn belt averages 20 to 25 mm per week in early June. Showers (10-30 mm) favored pastures and increased reservoir supplies across north-central Mexico. Temperatures averaged 2 to 3 degrees above normal across most of the country, except for the northeast, where temperatures averaged near normal. Tropical Storm Andres made landfall in Guatemala, producing only moderate showers (25-50 mm) in the coffee areas of Chiapas.

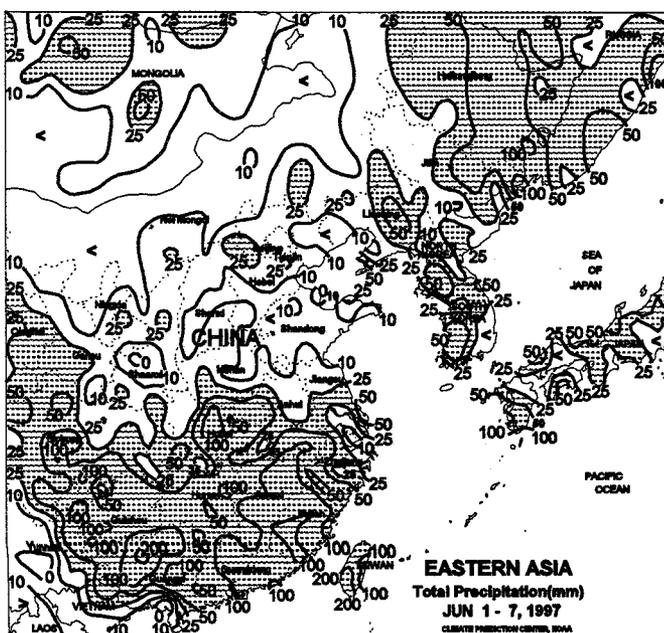
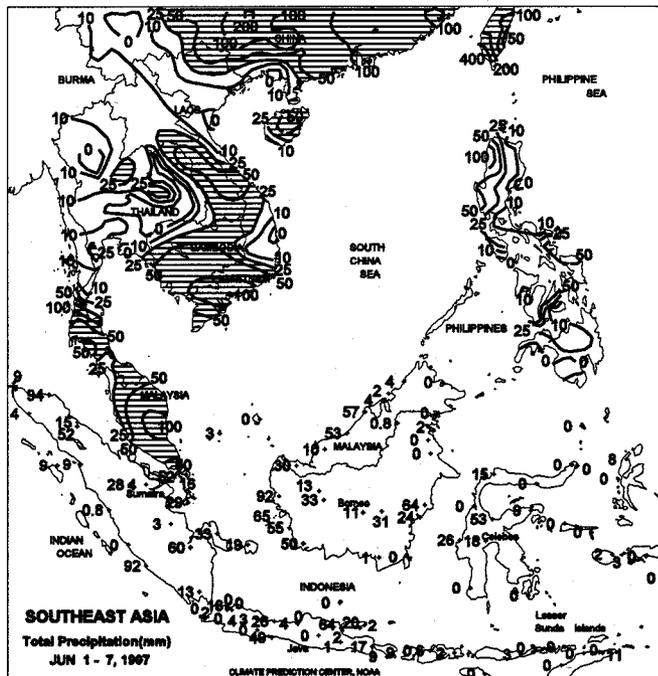
SOUTH ASIA

The southwest monsoon was behind schedule in its early season progress. This was evident from the mid-latitude storm track that brought unseasonable rain (26-109 mm) to Gujarat and kept temperatures well below normal across much of northern India and Pakistan. Scattered showers also fell in southwestern India, but not associated with the usual monsoon circulation. The dominant westerly stream, unusually far south for this time of year, must weaken and retreat northward before the monsoon can become established over central and southern India. Grain, oilseed, and cotton planting delays would ensue if this pattern persists. In eastern India and Bangladesh, continuing showers (10-25 mm or more, exceeding 100 mm locally) hampered rice fieldwork and caused additional local flooding. While this week's rain was heavier than normal, some shower activity is expected this time of year in this region.



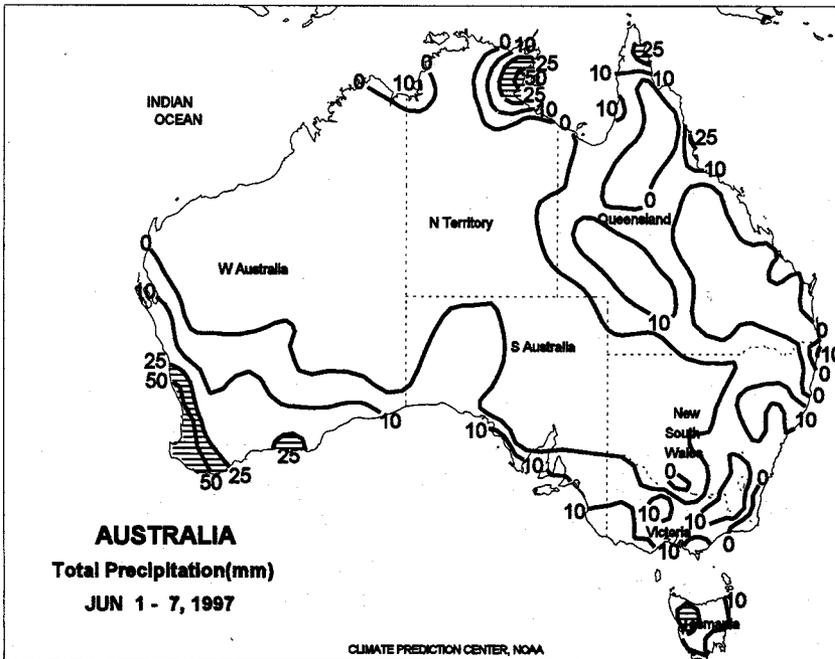
SOUTHEAST ASIA

Spotty showers (5-30 mm) and warm weather (1-2 degrees C above normal) prevailed across Thailand, reducing moisture for rainfed rice and corn. Typically, rainfall during early June ranges from 35 to 55 mm per week across Thailand. Below-normal rainfall (10-40 mm, with isolated amounts greater than 100 mm) continued across the Philippines, reducing moisture supplies for main-season crops. Showers (20-100 mm) continued to provide adequate moisture for rice across Vietnam. Showers (30-180 mm) brought relief to oil palm across peninsular Malaysia and Thailand. In Java, mostly dry weather favored late main-season rice harvesting and early second-season rice transplanting.



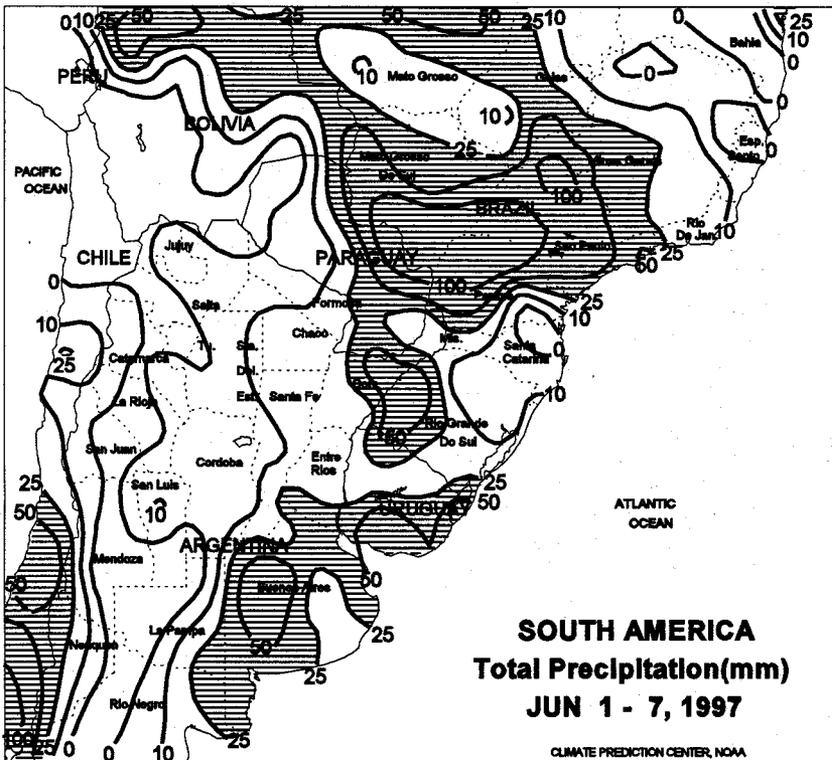
EASTERN ASIA

Light to moderate rain (5-20 mm) covered the North China Plain, favoring vegetative summer crops. Usually, rainfall during June across the North China Plain increases from about 10 mm per week early in the month to 25 to 30 mm per week by the end of the month. Widespread rain (15-35 mm) covered Manchuria, benefiting spring wheat, corn, and soybeans. Showers (40-100 mm) also blanketed the Yangtze Valley and southern China, maintaining adequate to abundant moisture supplies. Temperatures averaged 2 to 4 degrees C below normal across Manchuria and the North China Plain and 1 to 3 degrees C above normal elsewhere. Widespread rain (20-75 mm) continued across the Korean peninsula and Japan, keeping moisture supplies high. Rice transplanting is fully underway across the region.



AUSTRALIA

Beneficial rain (10-35 mm) covered Western Australia's winter grain belt, conditioning topsoils for establishment. In the east, rainfall was generally light and scattered, although moderate showers (10 mm or greater) fell over crop areas of South Australia and Victoria nearest the coast. The region in greatest need of rain stretches from the northern growing districts of South Australia into southern New South Wales. Temperatures averaged near to above normal, but patchy frost in Victoria and New South Wales may have burned back newly emerged barley and wheat. In New Zealand, moderate to heavy rain (25-50 mm or more, exceeding 100 mm locally) fell throughout North Island, excluding south coastal areas receiving 15 mm or less. Light rain (15 mm or less) prevailed throughout South Island's agricultural areas as well.



SOUTH AMERICA

Widespread rain (10-65 mm) fell across central Argentina, boosting topsoil moisture for winter wheat planting. In southern Brazil, heavy showers (100-200 mm) slowed wheat planting and possibly caused some flooding in southern Mato Grosso do Sul and northern Parana. However, only light rain (less than 10 mm) fell in the main wheat growing areas of eastern Parana, Santa Catarina, and Rio Grande do Sul. More rain is needed across this region, since rainfall has averaged only 60 percent of normal during the past 4 weeks. Moderate showers (20-60 mm) slowed coffee and orange harvesting in northern Sao Paulo and southwestern Minas Gerais, but maintained soil moisture for the tree crops. Temperatures averaged 2 to 3 degrees C above normal across central Argentina and near to slightly below normal across southern Brazil.

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: Climate Prediction Center, W/NP52, Attn: *Weekly Weather and Crop Bulletin*, NOAA/NWS/NCEP, 4700 Silver Hill Road, Stop 9910, Washington, DC 20233-9910. Order subscriptions from the office and address listed above. First-class postage paid at Washington, DC, and other mailing offices. Correspondence to the meteorologists should be directed to: *Weekly Weather and Crop Bulletin*, NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 5844, Washington, DC 20250. Internet URL: <http://www.usda.gov/oca/waob/jawf>; E-mail address: wwcb@jawfsrv.www.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
fax (202) 720-1455
Editor **Brad Rippey** (202) 720-1444
Meteorologists **David Secora, Jeff Savadel, Brian Morris**
Special Requests (202) 720-7917
Subscriptions **John Kopman** (301) 763-8227, ext. 7534
fax (301) 763-8395

U.S. DEPARTMENT OF AGRICULTURE

Economic Research Service

E.R.S. Editor **Sharon Lee**

National Agricultural Statistics Service

Agricultural Statistician **Rhonda Brandt** (202) 720-7621

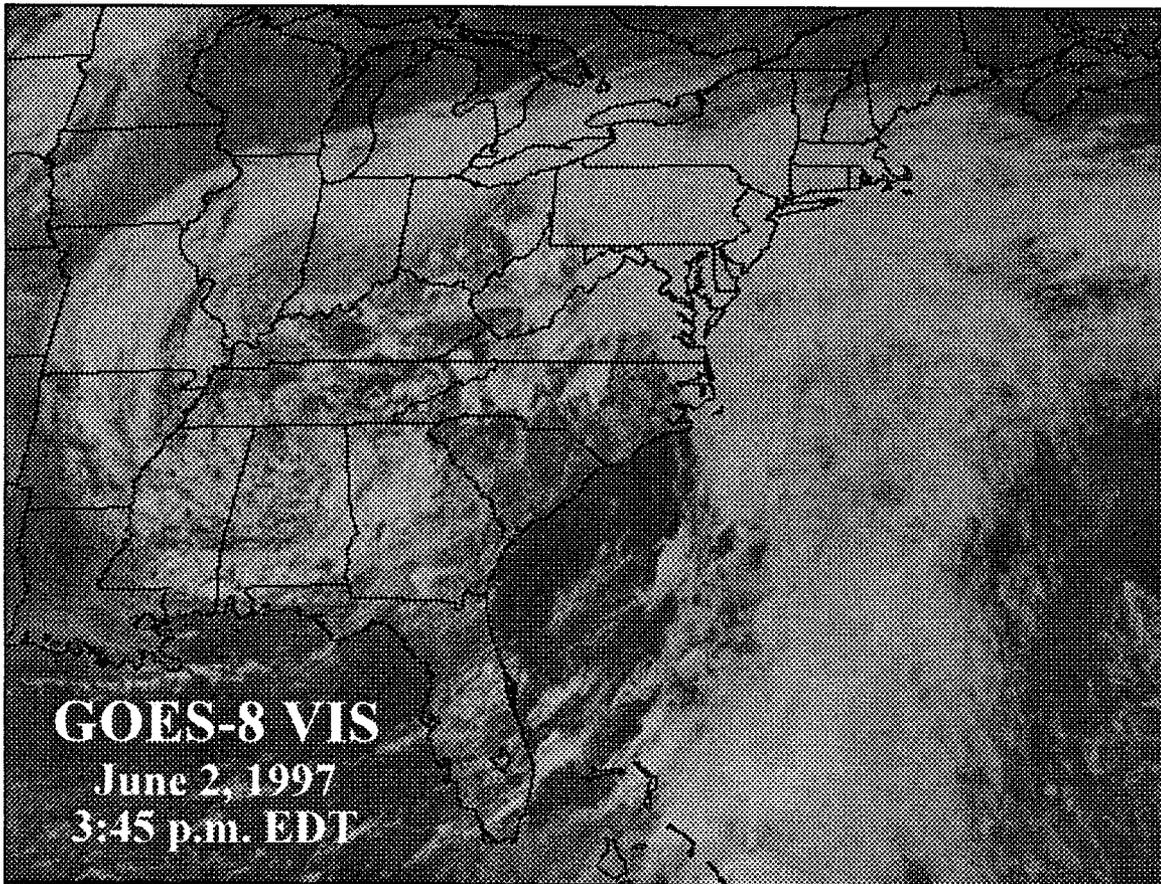
State Summaries Editor **Klara Haskins** (202) 720-8033

World Agricultural Outlook Board

Agricultural Weather Analysts **Ray Motha**

..... **Tom Puterbaugh, Mark Brusberg, Bob Stefanski**

Secretary **Teressa Davis** (202) 720-9807



Clouds and showers plague the East.

Climate Prediction Center, W/NP52
Attn: *Weekly Weather & Crop Bulletin*
NOAA/NWS/NCEP
4700 Silver Hill Road
Stop 9910
Washington, DC 20233-9910

**WEEKLY NEWS BULLETIN
FIRST CLASS**

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

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300