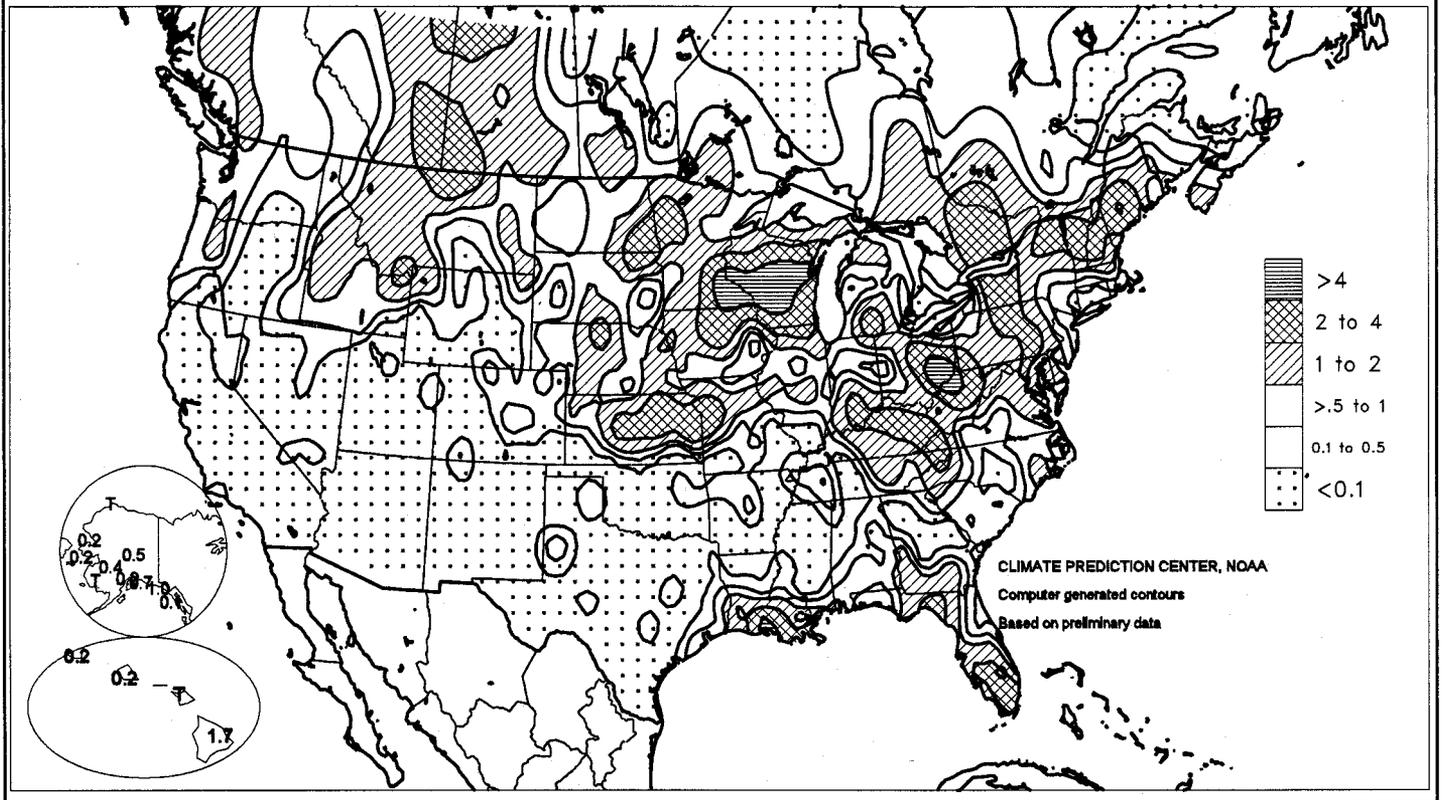


WEEKLY WEATHER AND CROP BULLETIN

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 21 - 27, 1998



HIGHLIGHTS

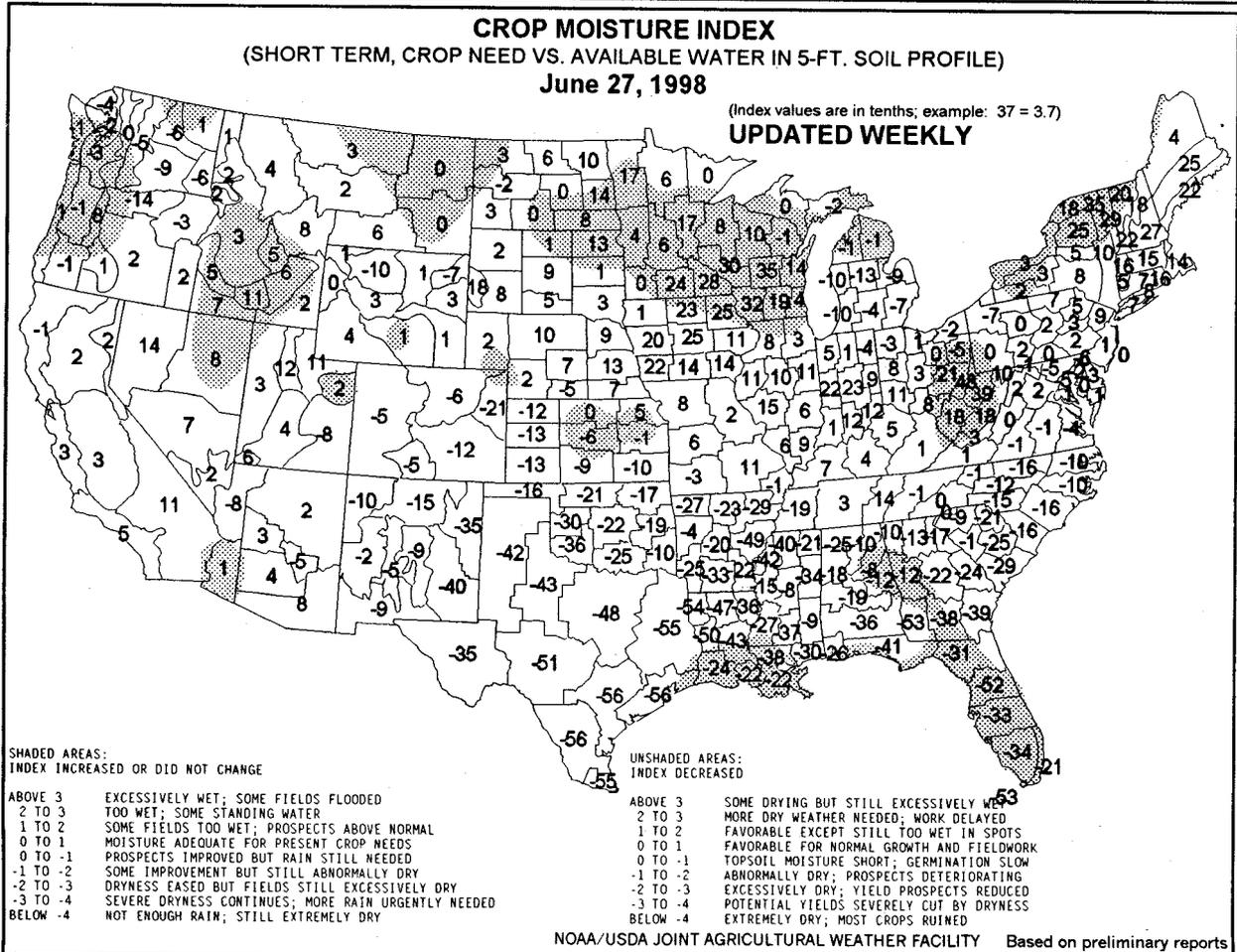
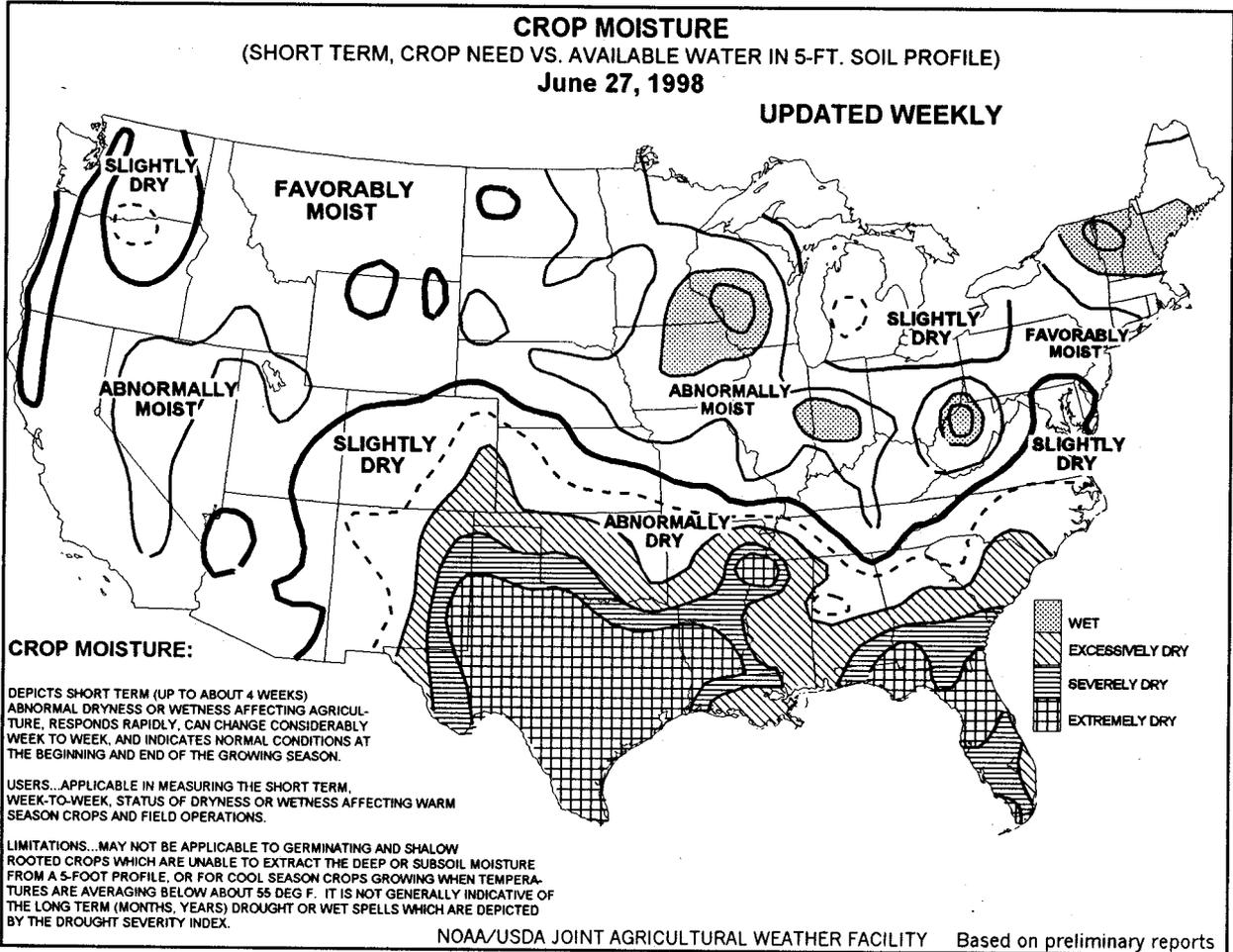
June 21 - 27, 1998

Warmer weather overspread the **Corn Belt**, but locally heavy rainfall kept soils too wet in some areas. Localized late-week flooding was observed in parts of the **upper Midwest, middle Ohio Valley, and Northeast**. Farther south, very hot and mostly dry weather prevailed from the **southern Plains** into the **Southeast**. Tropical moisture overspread portions of the **Gulf Coast and South Atlantic States** toward week's end, locally easing the effects of more than 3 months of dryness and 2 months of hot weather. Weekly temperatures averaged more than 4°F above normal in most areas south and east of a line from **northern New Mexico to Upper Michigan**. Departures reached +10°F on

(continued on page 3)

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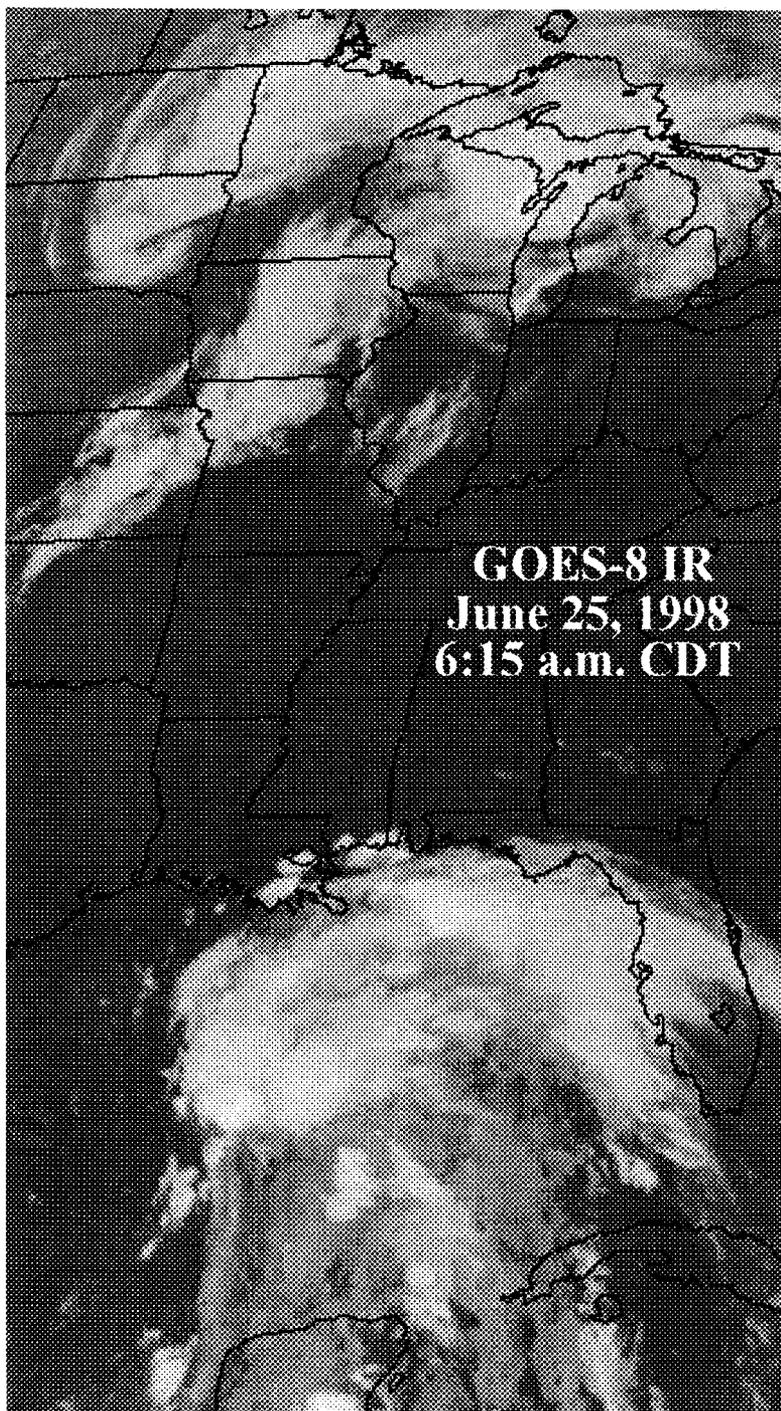
(Continued from front cover)

the southern Plains and in Lower Michigan. Cool weather continued for an eighth consecutive week in California and the Great Basin, where departures ranged from -2 to -8°F. Cool, wet weather persisted for a third consecutive week on the northern Plains, boosting soil moisture but slowing crop development.

More than two dozen daily-record highs were set during the week from Texas into the Southeast. The core of extreme heat shifted westward after midweek, encompassing the central and southern Plains, where more than a dozen records were established. In Melbourne, FL, a record-setting run of high temperatures continued through Thursday. From June 1-25, 21 daily-record highs were set or tied in Melbourne, including 15 days in a row from June 11-25. During their 50-year period of record, Melbourne's longest streak of daily-record highs was 4 days, set in May 1962, July 1983, and August 1993. Their high of 101°F, attained on June 6 (and again on June 14), was their highest since an all-time-record of 102°F on July 14, 1980. On Monday, Tallahassee, FL notched 102°F, their ninth day of triple-digit heat this month, breaking a June record set in 1944. A day later, highs peaked at 100°F in Pinson, AL and Columbus, GA. Through June 26, wildfires had burned 683,380 U.S. acres, only 79 percent of the 10-year average. But according to the National Interagency Fire Center, 58 percent of those acres had burned in the Southern Region (all or part of 13 States from Oklahoma and Texas to the East Coast, including Florida).

By Friday, record heat overspread the central and southern Plains, where Dodge City, KS noted a high of 108°F. Readings soared above 100°F as far north as McCook, NE (103°F). A day later, Ashland, KS recorded 111°F and Clovis, NM logged 107°F. In Texas, Amarillo's high of 108°F tied their all-time record, established on June 24, 1953, and repeated on June 24, 1990. In contrast, cool air prevailed across the West. In California's San Joaquin Valley, Bakersfield collected a daily-record low (54°F) on Tuesday. In Nevada, Las Vegas' high reached 100°F for the first time this year on June 26, their second-latest occurrence on record behind June 30, 1965. Burns, OR (29°F) tallied a daily-record low at week's end.

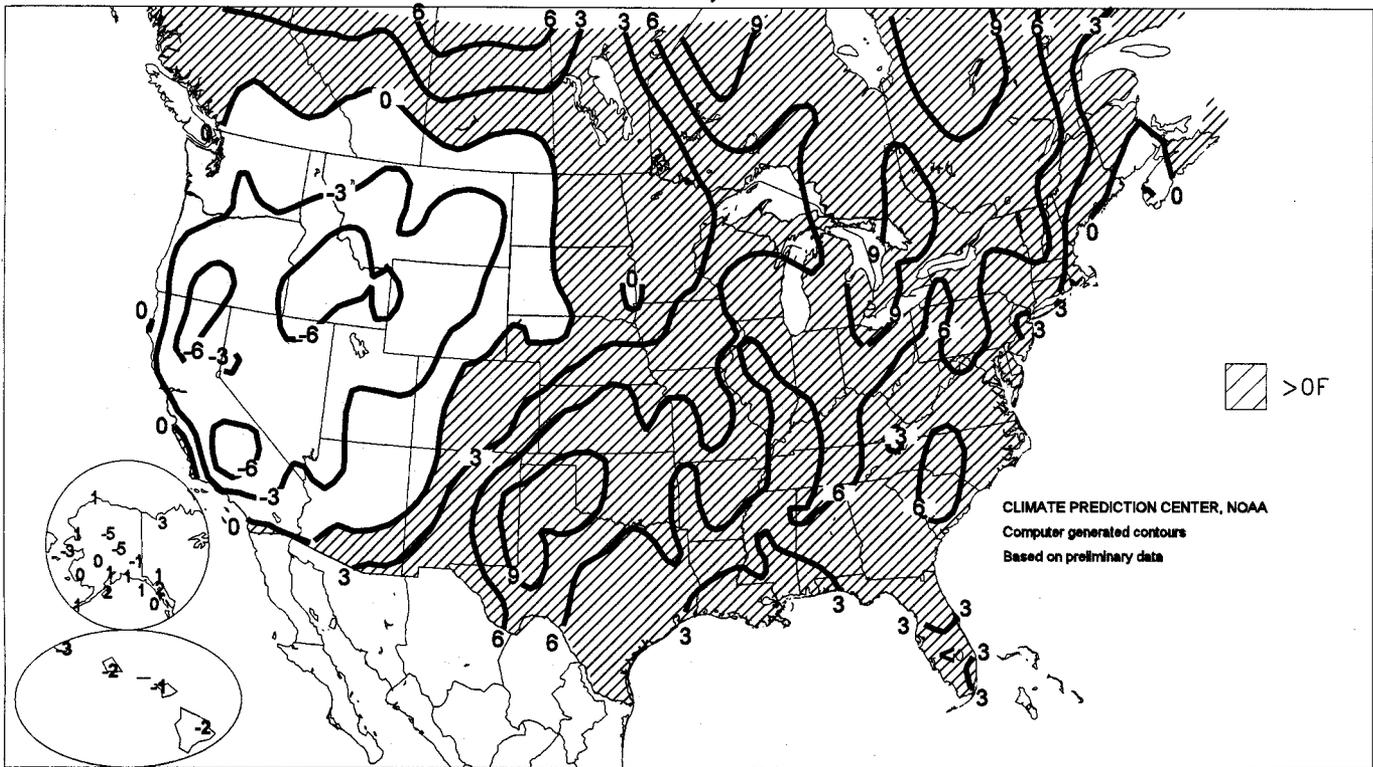
In western Montana, a third consecutive week of significant precipitation boosted monthly rainfall to 4.21 inches in Missoula, their second-highest June total behind 4.79 inches in 1907. Farther east, Charleston, WV netted 7.59 inches through week's end, their highest June total since 1928. More than 4 inches of rain fell during the week from southeastern Minnesota into central Wisconsin, in parts of the middle Ohio Valley, and in a few locations from northeastern New York to southern Maine. In Jackson County, WI, 24-hour rainfall on June 26-27 reached 6.65 inches at Hatfield Dam and 5.41 inches in Taylor. On Saturday night, the Cannon River at Welch, MN crested about 0.9 feet above the flood of record, set on April 8, 1965. In Ohio, Cambridge witnessed record flooding along Wills



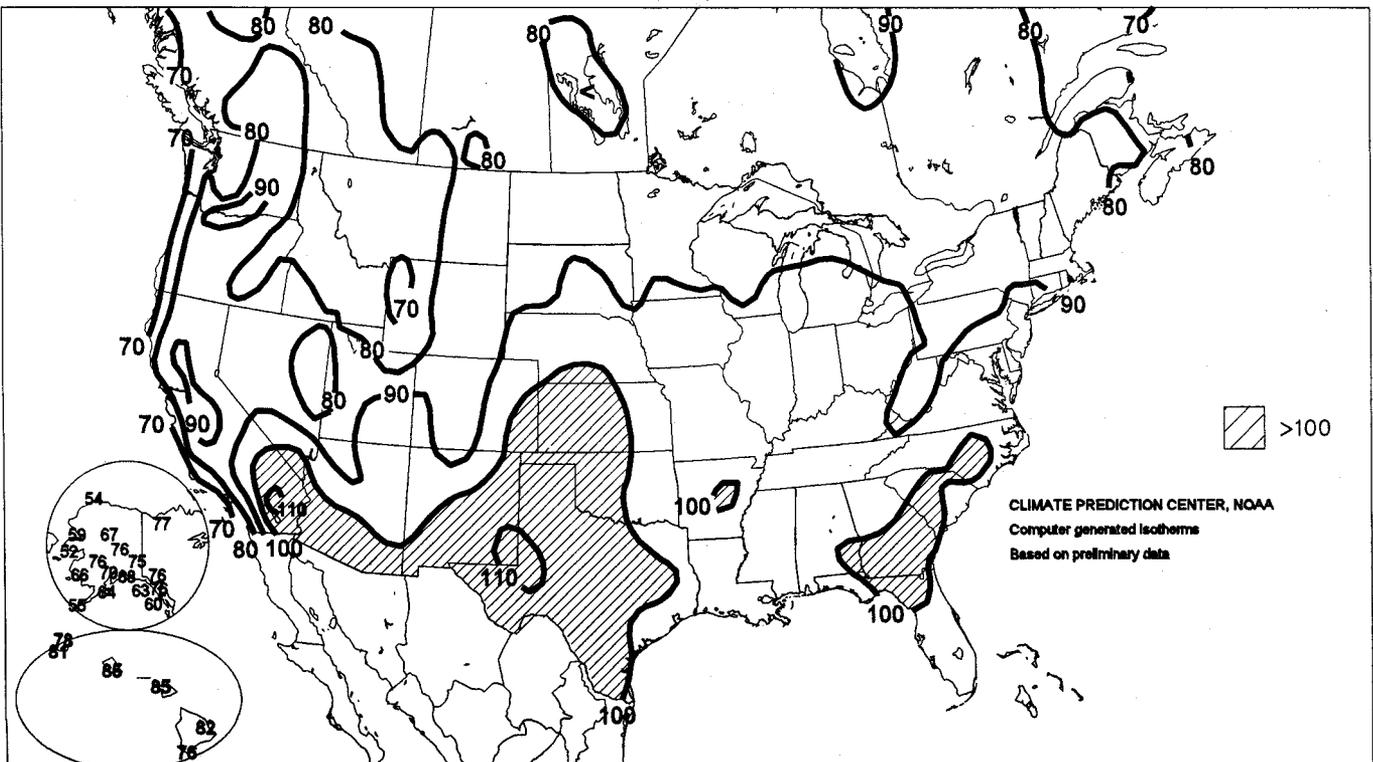
Hot, dry weather persists across the South, while showers and thunderstorms continue to pepper the upper Midwest. Farther south, tropical moisture spreads toward the Gulf Coast, bringing localized relief from the 3-month dry spell.

Creek, which surged above flood stage on Sunday morning, June 28, and crested at least 11.9 feet above flood stage on Monday, June 29. In the Northeast, June 25-27 rainfall reached 7.96 inches in Keeseville, NY and 6.11 inches in Bethel, VT. Monthly rainfall reached a June-record 14.30 inches at the Blue Hill Observatory in Milton, MA. Farther south, late-week thunderstorms dotted the Gulf Coast and Southern Atlantic States, providing localized relief from the prolonged heat and dryness. During a 24-hour period on June 27-28, rainfall totaled 3.33 inches in Lake Charles, LA and 1.70 inches in Miami, FL. Two-day (June 27-28) totals reached 7.38 inches in Galveston, TX.

Departure of Average Temperature from Normal (°F) JUN 21 - 27, 1998



Extreme Maximum Temperature (°F) JUN 21 - 27, 1998



National Weather Data for Selected Cities

Weather Data for the Week Ending June 27, 1998

Data Provided by Climate Prediction Center (301-763-8000 EXT. 7511) and the Southern Regional Climate Center

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 JAN 1	PCT. NORMAL SINCE JAN 1	TOTAL IN. SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	80 AND ABOVE	82 AND BELOW	01 INCH OR MORE		50 INCH OR MORE	
																		01 INCH OR MORE	50 INCH OR MORE		
AL BIRMINGHAM	96	71	98	67	83	5	0.00	-0.90	0.00	3.38	102	37.41	128	99	48	7	0	0	0	0	
AL HUNTSVILLE	96	73	99	69	84	7	0.20	-0.76	0.20	1.62	44	27.02	89	91	40	7	0	1	0	0	
AL MOBILE	92	72	97	70	82	0	1.27	0.06	0.57	2.92	65	42.01	134	97	53	5	0	3	1	1	
AL MONTGOMERY	96	71	99	66	84	3	0.75	-0.23	0.75	4.26	123	29.32	104	94	43	7	0	1	1	1	
AK ANCHORAGE	65	49	70	44	57	1	0.23	-0.05	0.15	2.49	249	4.22	90	84	50	0	0	1	0	0	
AK BARROW	43	33	54	29	38	1	0.02	-0.07	0.02	0.17	77	0.57	60	99	78	0	3	1	0	0	
AK FAIRBANKS	64	50	76	43	57	-5	0.59	0.22	0.36	0.96	80	1.46	42	92	46	0	0	3	0	0	
AK JUNEAU	65	48	78	46	56	2	1.06	0.30	0.71	2.05	73	14.91	72	97	52	0	0	3	1	1	
AK KODIAK	59	46	64	37	53	2	0.84	-0.38	0.34	5.06	116	53.20	170	88	52	0	0	2	0	0	
AK NOME	49	41	52	35	46	-3	0.19	-0.13	0.12	1.55	161	8.74	207	92	68	0	0	3	0	0	
AZ FLAGSTAFF	79	38	84	34	59	-4	0.00	-0.19	0.00	0.09	32	10.20	111	52	9	0	0	0	0	0	
AZ PHOENIX	104	75	106	71	89	-1	0.00	-0.06	0.00	0.76	844	5.82	216	28	10	7	0	0	0	0	
AZ PRESCOTT	87	53	93	49	70	0	0.00	-0.21	0.00	0.00	0	7.24	110	40	10	1	0	0	0	0	
AZ TUCSON	104	70	106	65	87	2	0.00	-0.13	0.00	0.00	0	5.40	186	29	9	7	0	0	0	0	
AZ YUMA	103	75	107	68	89	-1	0.00	-0.01	0.00	0.00	0	1.59	162	32	17	7	0	0	0	0	
AR FORT SMITH	96	75	97	73	85	6	0.00	-0.70	0.00	2.18	70	21.59	104	88	49	7	0	0	0	0	
AR LITTLE ROCK	98	78	101	76	88	8	0.00	-0.77	0.00	2.16	67	22.88	89	82	39	7	0	0	0	0	
CA BAKERSFIELD	87	57	90	56	72	-8	0.01	-0.02	0.01	0.34	309	11.72	306	76	28	1	0	1	0	0	
CA EUREKA	61	50	64	43	58	0	0.12	0.05	0.00	0.00	-	0.00	-999	-	0	0	1	0	0	0	
CA FRESNO	87	58	93	57	72	-6	0.00	0.00	0.00	1.95	2786	15.99	230	84	29	1	0	0	0	0	
CA LOS ANGELES	71	60	73	58	66	-1	0.00	0.00	0.00	0.09	-	23.84	308	92	64	0	0	0	0	0	
CA REDDING	83	58	91	51	71	-8	0.00	-0.09	0.00	1.75	330	47.27	252	83	31	1	0	0	0	0	
CA SACRAMENTO/MCCLELL	82	57	91	55	70	-1	0.00	-0.99	0.00	0.14	-	24.07	-999	87	35	1	0	0	0	0	
CA SAN DIEGO	71	63	72	62	67	-1	0.00	-0.01	0.00	0.50	556	14.47	234	80	63	0	0	0	0	0	
CA SAN FRANCISCO	67	56	74	54	61	-1	0.00	-0.03	0.00	0.03	27	28.58	233	90	62	0	0	0	0	0	
CO ALAMOSA	84	43	89	38	63	2	0.00	-0.18	0.00	0.82	105	1.76	66	58	9	0	0	0	0	0	
CO CO SPRINGS	87	66	94	50	72	4	0.22	-0.33	0.22	1.17	58	6.07	87	59	15	2	0	1	0	0	
CO DENVER	88	64	94	49	71	2	0.06	-0.33	0.06	0.75	47	6.15	76	65	15	3	0	1	0	0	
CO GRAND JUNCTION	90	58	94	54	74	-1	0.01	-0.10	0.01	0.58	126	3.63	96	38	15	4	0	1	0	0	
CO PUEBLO	95	62	99	47	73	0	0.09	-0.23	0.09	0.87	61	5.80	121	63	14	6	0	1	0	0	
CT BRIDGEPORT	80	66	94	63	73	3	0.00	-0.80	0.00	4.57	147	30.94	148	96	67	1	0	0	0	0	
CT HARTFORD	83	65	91	58	74	3	0.67	-0.16	0.47	3.80	106	26.17	121	97	61	1	0	5	0	0	
DC WASHINGTON	88	72	95	70	80	3	1.03	0.24	0.82	4.35	144	28.40	158	88	55	2	0	3	1	1	
DE WILMINGTON	86	69	93	66	78	4	0.70	-0.15	0.65	4.32	136	24.01	121	97	63	2	0	3	1	1	
FL DAYTONA BEACH	95	72	97	69	83	3	0.87	-0.79	0.67	4.28	14	16.61	84	98	49	7	0	1	1	1	
FL JACKSONVILLE	96	71	99	68	84	4	0.60	-0.78	0.60	2.95	58	26.05	117	99	48	7	0	1	1	1	
FL KEY WEST	90	81	91	78	86	2	0.03	-1.14	0.03	0.81	18	13.10	85	83	62	5	0	1	0	0	
FL MIAMI	91	77	94	74	84	2	4.28	2.16	1.98	6.56	77	24.22	101	85	60	6	0	5	2	2	
FL ORLANDO	96	73	98	71	84	3	1.12	-0.72	0.87	1.66	25	22.30	109	96	40	7	0	3	1	1	
FL TAMPA	93	77	98	73	85	3	2.40	1.00	0.87	2.48	51	25.47	148	85	51	7	0	3	3	3	
FL VALPARAISO/EGLIN	94	75	97	72	84	4	0.00	-1.49	0.00	0.65	14	26.19	93	85	42	7	0	0	0	0	
FL WEST PALM BEACH	93	75	95	72	84	3	0.00	-1.87	0.00	0.40	5	24.93	98	88	53	6	0	0	0	0	
GA ATHENS	96	70	98	66	83	6	0.43	-0.51	0.43	2.08	58	34.69	132	93	43	7	0	1	0	0	
GA ATLANTA	93	72	96	67	82	5	0.00	-0.87	0.00	3.53	111	29.11	108	88	48	7	0	0	0	0	
GA AUGUSTA	99	70	102	63	84	5	0.00	-0.98	0.00	1.94	62	31.10	131	97	38	7	0	0	0	0	
GA COLUMBUS	98	73	100	68	86	5	2.45	1.43	2.45	3.77	104	21.02	77	92	41	7	0	1	1	1	
GA MACON	98	71	100	66	84	4	0.00	-0.87	0.00	2.94	92	27.94	115	96	40	7	0	0	0	0	
GA SAVANNAH	98	72	102	69	85	5	0.12	-1.27	0.12	1.90	38	27.94	123	99	45	7	0	1	0	0	
HI HILO	79	68	82	67	74	-2	3.46	1.95	0.64	4.77	87	24.57	38	94	62	0	0	7	1	1	
HI HONOLULU	83	72	85	71	78	-2	0.15	0.04	0.07	0.20	43	2.21	20	83	52	0	0	3	0	0	
HI KAHULUI	84	70	85	69	77	-1	0.04	-0.02	0.03	0.04	17	2.44	19	88	53	0	0	2	0	0	
HI LIHUE	80	71	81	69	75	-3	0.67	0.32	0.06	0.77	50	8.08	37	93	66	0	0	5	0	0	
ID BOISE	75	51	82	43	63	-8	1.18	1.02	0.60	1.71	228	12.05	175	83	35	0	0	2	2	2	
ID LEWISTON	75	56	83	54	66	-4	0.19	-0.07	0.11	0.94	82	8.95	131	81	36	0	0	3	0	0	
ID POCATELLO	72	47	78	38	60	-6	0.63	0.42	0.35	1.17	126	8.63	129	95	33	0	0	5	0	0	
IL CHICAGO/O'HARE	90	67	95	61	79	6	0.16	-0.72	0.14	2.48	73	17.72	111	90	45	3	0	2	0	0	
IL MOLINE	88	69	95	59	79	6	0.39	-0.64	0.25	5.88	154	24.84	140	93	56	4	0	3	0	0	
IL PEORIA	87	71	93	63	79	6	0.73	-0.23	0.43	4.92	138	25.40	150	93	60	4	0	3	0	0	
IL ROCKFORD	88	67	91	59	77	6	1.91	0.84	1.62	4.07	100	19.53	120	95	53	4	0	4	1	1	
IL SPRINGFIELD	89	72	94	64	80	5	0.80	0.00	0.63	7.16	232	26.67	158	93	57	4	0	3	1	1	
IN EVANSVILLE	92	73	94	68	82	5	1.16	0.37	0.88	4.82	164	25.24	113	94	67	6	0	2	1	1	
IN FORT WAYNE	90	70	95	67	80	8	0.55	-0.28	0.55	3.63	113	21.20	127	94	52	4	0	1	1	1	
IN INDIANAPOLIS	88	72	92	66	80	6	1.53	0.69	1.48	9.66	309	29.66	154	94	60	4	0	3	1	1	
IN SOUTH BEND	89	68	95	64	78	7	1.13	0.14	0.80	3.87	105	19.59	109	89	49	2	0	3	1	1	
IA BURLINGTON	90	73	96	65	82	8	0.12	-0.84	0.11	6.26	172	26.84	166	83	58	4	0	2	0	0	
IA CEDAR RAPIDS	86	66	92	58	76	4	0.25	-0.82	0.14	4.91	120	21.28	139	96	58	3	0	2	0	0	
IA DES MOINES	87	68	92	62	77	3	0.33	-0.71	0.25	9.72	242	22.81	148	90	53	4	0	2	0	0	
IA DUBUQUE	86	66	91	60	76	6	0.81	-0.13	0.54	6.20	166	23.99	140	93	54	2	0	5	1	1	
IA SIOUX CITY	87	62	92	52	75	2	1.38	0.54	1.38	5.17	154	19.44	155	96	54	2	0	1	1	1	
IA WATERLOO	88	66	94	58	77	6	1.95	0.88	1.35	8.66	216	24.16	155	96	57	3	0	3	2	2	
KS CONCORDIA	96	70	100	63	83	7	2.00	0.99	0.98	3.82	94	13.93	98	83	37	6	0	5	2	2	
KS DODGE CITY	100	70	108	62	85	8	0.76	0.04	0.69	1.00	36	8.57	82	71	22	7	0	3	1	1	
KS GODDARD	92	58	102	54	75	3	1.09	0.37	1.08	1.35	47	4.87	51	87							

Weather Data for the Week Ending June 27, 1998

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	TEMP, °F		PRECIP.	
																90 AND ABOVE	32 AND BELOW	0.1 INCH OR MORE	5.0 INCH OR MORE
WICHITA	98	73	103	67	86	8	0.12	-0.85	0.09	0.43	11	11.02	77	73	31	7	0	3	0
LA JACKSON	87	69	90	63	78	5	1.26	0.24	1.07	5.56	147	32.93	133	92	61	2	0	4	1
LEXINGTON	89	71	91	66	80	6	0.29	-0.59	0.28	3.89	119	26.24	119	96	59	4	0	2	0
LOUISVILLE	91	74	93	69	82	7	1.70	0.89	0.87	5.13	165	25.24	111	90	56	6	0	3	1
PADUCAH	92	73	93	68	82	5	0.39	-0.52	0.39	9.43	258	29.40	115	91	58	6	0	1	0
LA BATON ROUGE	91	73	96	70	82	0	1.70	0.57	0.56	2.51	64	32.49	110	98	55	4	0	8	1
LAKE CHARLES	91	75	96	74	83	2	3.00	1.87	2.69	4.55	101	25.93	104	95	58	5	0	2	1
NEW ORLEANS	90	74	95	72	82	1	1.93	0.51	0.92	4.07	78	38.41	127	95	60	4	0	7	1
SHREVEPORT	98	76	99	74	86	5	0.01	-0.93	0.01	1.26	32	19.51	80	90	38	7	0	1	0
ME CARIBOU	78	58	83	54	67	4	1.10	-0.61	0.10	2.08	80	17.96	121	97	62	0	0	1	0
PORTLAND	72	60	81	52	66	1	1.04	0.25	0.88	6.65	214	28.61	134	100	80	0	0	4	1
MD BALTIMORE	90	71	96	67	80	6	0.28	-0.57	0.16	2.93	89	27.01	137	97	50	4	0	3	0
MA BOSTON	78	63	88	57	71	1	0.44	-0.26	0.31	9.79	350	34.70	169	98	71	0	0	5	0
WORCESTER	78	63	83	57	70	4	0.10	-0.78	0.06	7.68	219	30.47	133	98	66	0	0	4	0
MI ALPENA	83	59	90	55	71	7	1.66	0.94	0.75	2.45	89	17.90	140	96	53	2	0	4	2
GRAND RAPIDS	89	67	94	62	78	9	0.77	-0.09	0.44	2.37	71	19.38	123	86	44	3	0	4	0
HOUGHTON LAKE	84	58	89	53	71	7	1.25	0.55	0.62	2.13	78	12.66	104	98	50	0	0	4	2
LANSING	88	64	95	59	76	8	0.74	-0.12	0.35	2.74	82	16.40	118	91	46	2	0	6	0
MARQUETTE	76	55	81	49	66	4	0.27	-0.52	0.00	0.00	-	0.00	-999	-	-	0	0	0	0
MUSKEGON	84	63	92	57	74	7	0.20	-0.32	0.20	1.28	60	13.29	95	90	50	2	0	1	0
MN DULUTH	71	55	78	53	63	1	0.38	-0.55	0.33	5.55	161	15.50	123	96	68	0	0	2	0
INT'L FALLS	74	57	83	52	65	2	1.80	0.84	0.87	3.88	110	11.43	113	95	64	0	0	5	2
MINNEAPOLIS	82	61	86	55	71	1	4.20	3.26	2.55	6.53	178	19.51	147	96	58	0	0	5	3
ROCHESTER	82	61	87	58	72	3	2.63	1.73	1.71	5.55	167	17.28	135	96	57	0	0	4	2
ST. CLOUD	80	59	86	49	69	2	1.70	0.64	0.46	3.10	75	11.24	90	96	54	0	0	4	0
MS JACKSON	95	72	96	70	83	3	0.05	-0.68	0.05	3.28	115	29.64	101	92	47	7	0	1	0
MERIDIAN	93	70	96	68	81	2	0.45	-0.44	0.43	5.35	166	33.89	111	97	49	7	0	2	0
TUPELO	97	73	100	72	85	6	0.00	-0.85	0.00	1.56	45	26.59	88	91	40	7	0	0	0
MO COLUMBIA	90	71	93	64	80	6	0.97	0.02	0.50	6.88	178	23.76	124	90	59	5	0	2	1
KANSAS CITY	91	73	94	63	82	6	2.29	1.22	1.48	7.80	183	17.19	100	83	56	5	0	3	2
SAINT LOUIS	92	75	96	68	84	6	0.39	-0.48	0.37	6.34	190	26.41	144	84	52	5	0	2	0
SPRINGFIELD	91	72	94	67	81	6	0.00	-1.12	0.00	3.12	67	23.04	110	87	49	5	0	0	0
MT BILLINGS	75	52	80	46	64	-4	0.23	-0.16	0.14	4.52	246	9.24	104	82	34	0	0	3	0
BUTTE	67	41	71	36	54	-4	1.30	0.83	0.69	3.26	166	9.93	154	96	40	0	0	5	1
GLASGOW	75	54	83	48	64	-3	1.75	1.26	0.75	4.33	227	7.91	146	93	46	0	0	6	2
GREAT FALLS	69	49	76	44	58	-5	2.29	1.79	1.42	6.34	288	12.18	140	92	48	0	0	3	2
KALISPELL	67	48	76	42	58	-2	0.92	0.44	0.39	4.29	212	13.25	154	97	53	0	0	5	0
MILES CITY	79	54	90	51	67	-3	1.89	1.28	0.91	3.96	156	7.20	93	87	35	1	0	5	2
MISSOULA	69	49	77	43	59	-3	1.21	0.84	0.48	4.66	284	12.89	174	93	48	0	0	5	0
NE GRAND ISLAND	92	64	99	57	78	4	0.52	-0.34	0.50	2.78	78	15.26	118	93	42	5	0	2	1
LINCOLN	91	69	96	56	80	5	0.31	-0.56	0.20	4.37	124	17.19	127	84	49	5	0	2	0
NORFOLK	88	63	95	54	75	3	0.39	-0.63	0.39	7.45	184	16.81	128	94	45	3	0	1	0
NORTH PLATTE	88	58	98	50	73	2	1.36	0.59	0.92	4.89	161	10.48	100	96	37	3	0	3	1
OMAHA	90	69	94	58	79	5	0.60	-0.26	0.35	8.33	237	23.10	162	88	49	4	0	4	0
SCOTTSBLUFF	88	53	94	50	70	0	0.24	-0.35	0.16	2.31	96	7.43	85	89	23	2	0	3	0
VALENTINE	85	56	80	48	71	0	2.09	1.43	0.90	5.14	198	10.74	118	98	42	1	0	6	2
NV ELY	79	43	80	37	61	-2	0.02	-0.17	0.01	2.35	290	7.60	143	70	14	0	0	2	0
LAS VEGAS	97	72	103	69	85	-3	0.00	-0.03	0.00	0.09	82	4.44	229	30	9	7	0	0	0
RENO	81	52	86	46	67	-1	0.16	0.08	0.16	1.79	416	9.09	211	68	23	0	0	1	0
WINNEMUCCA	79	45	85	37	62	-5	0.04	-0.14	0.02	1.17	148	10.53	227	78	24	0	0	2	0
NH CONCORD	81	62	86	59	72	5	0.80	0.06	0.37	7.69	268	23.69	142	100	53	0	0	4	0
NJ NEWARK	85	69	94	66	77	2	0.10	-0.67	0.08	4.24	148	30.79	146	92	59	2	0	2	0
NM ALBUQUERQUE	96	64	99	60	80	3	0.00	-0.17	0.00	0.26	51	4.04	138	26	9	7	0	0	0
NY ALBANY	84	65	88	60	75	6	0.92	0.09	0.78	6.33	194	24.95	145	94	56	0	0	4	1
BINGHAMTON	81	63	84	62	72	6	1.20	0.35	0.56	3.89	120	25.16	146	99	65	0	0	5	1
BUFFALO	82	66	86	62	74	6	0.44	-0.38	0.31	2.13	66	20.16	119	94	54	0	0	3	0
ROCHESTER	83	65	89	61	74	7	3.12	2.43	1.65	5.33	196	21.24	146	98	62	0	0	5	2
SYRACUSE	85	65	88	62	75	8	1.42	0.51	0.94	4.15	122	19.56	113	97	57	0	0	5	1
NC ASHEVILLE	89	62	91	59	75	5	0.65	-0.34	0.34	3.43	90	34.40	147	100	47	3	0	3	0
CHARLOTTE	97	74	100	69	85	8	0.11	-0.68	0.06	3.46	114	23.75	110	88	41	7	0	3	0
GREENSBORO	92	69	95	63	81	6	0.08	-0.82	0.08	2.72	80	28.17	138	88	44	6	0	1	0
HATTERAS	86	76	87	73	81	5	0.00	-0.98	0.00	3.04	83	33.08	133	91	67	0	0	0	0
RALEIGH	94	69	99	63	82	6	0.28	-0.57	0.16	3.53	107	31.02	149	94	44	7	0	2	0
WILMINGTON	93	74	98	69	83	5	0.00	-1.54	0.00	4.05	77	34.96	146	90	48	7	0	0	0
ND BISMARCK	78	56	87	51	67	0	0.79	0.16	0.56	2.91	119	6.82	85	96	47	0	0	3	1
DICKINSON	77	53	85	49	65	-1	0.11	-0.62	0.11	6.04	206	11.66	133	94	44	0	0	1	0
FARGO	79	60	86	54	70	2	1.36	0.69	1.29	6.69	264	17.94	199	90	59	0	0	5	1

Weather Data for the Week Ending June 27, 1998

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	82 AND BELOW	.01 INCH OR MORE	
																		.01 INCH OR MORE	.50 INCH OR MORE
OK TOLEDO	92	69	98	66	80	10	0.53	-0.35	0.33	1.72	51	18.37	120	91	48	5	0	5	0
OK YOUNGSTOWN	84	65	90	59	75	7	0.38	-0.58	0.21	3.12	88	21.98	126	94	55	1	0	3	0
OK OKLAHOMA CITY	97	77	100	72	87	8	0.00	-0.89	0.00	2.69	68	19.02	110	73	40	7	0	0	0
OR TULSA	96	76	97	70	86	8	0.55	-0.38	0.55	1.90	47	20.02	98	75	42	7	0	1	1
OR ASTORIA	59	51	64	49	55	-3	0.73	0.23	0.38	1.68	76	44.89	130	100	82	0	0	5	0
OR BURNS	70	40	78	29	55	-5	0.14	-0.03	0.12	0.72	95	11.16	217	93	31	0	1	2	0
OR EUGENE	70	50	80	41	60	-4	0.47	0.20	0.39	0.81	61	27.84	108	87	52	0	0	3	0
OR MEDFORD	78	53	88	45	65	-3	0.24	0.13	0.24	0.87	124	17.96	196	86	31	0	0	1	0
OR PENDLETON	78	53	85	48	65	-3	0.11	-0.01	0.08	0.78	134	8.39	129	78	30	0	0	2	0
OR PORTLAND	71	55	87	52	63	-2	1.11	0.82	0.48	1.76	128	24.45	132	96	53	0	0	4	0
OR SALEM	72	51	83	47	62	-2	0.73	0.47	0.58	0.99	80	28.37	141	96	52	0	0	4	1
PA ALLENTOWN	84	68	91	65	78	4	0.27	-0.60	0.24	4.55	135	25.48	124	97	51	1	0	3	0
PA ERIE	86	69	92	65	77	8	0.04	-0.91	0.04	1.63	44	18.79	105	91	55	1	0	1	0
PA MIDDLETOWN	89	71	92	70	80	7	2.10	1.23	0.83	3.01	86	28.46	142	93	55	3	0	3	1
PA PHILADELPHIA	87	70	95	69	78	5	0.56	-0.34	0.39	4.17	124	22.18	110	97	62	3	0	3	0
PA PITTSBURGH	85	67	90	59	78	6	2.82	1.94	1.65	5.20	156	20.71	113	95	58	1	0	5	1
PA SCRANTON	83	67	87	62	75	6	0.46	-0.47	0.00	0.00	-	0.00	-999	-	-	0	0	0	0
PA WILLIAMSPORT	85	67	89	64	78	6	1.92	0.90	1.72	4.77	122	30.23	155	98	58	0	0	4	1
RI PROVIDENCE	80	64	91	58	72	3	0.17	-0.58	0.16	7.94	264	37.17	166	99	69	1	0	2	0
SC BEAUFORT	96	75	98	70	85	5	0.00	-1.51	0.00	0.74	14	29.24	125	98	49	7	0	0	0
SC CHARLESTON	96	75	99	74	86	6	0.01	-1.59	0.01	2.51	44	34.41	147	93	45	7	0	1	0
SC COLUMBIA	99	72	104	67	86	7	0.00	-1.19	0.00	2.11	49	27.87	113	87	33	7	0	0	0
SC GREENVILLE	93	68	96	65	81	4	0.51	-0.62	0.24	4.32	100	33.25	126	96	45	7	0	3	0
SD ABERDEEN	81	57	89	51	69	0	3.68	2.94	2.54	6.52	231	15.55	166	97	51	0	0	5	2
SD HURON	85	59	91	54	72	2	0.88	0.11	0.59	3.06	101	12.45	116	89	49	1	0	2	1
SD RAPID CITY	80	51	86	45	66	-2	0.80	-0.19	0.39	5.64	202	10.25	110	91	41	0	0	3	0
SD SIOUX FALLS	83	57	89	55	70	0	0.61	-0.17	0.59	4.48	145	15.25	134	94	50	0	0	3	0
TN BRISTOL	87	64	90	60	75	2	1.53	0.68	1.16	5.35	170	28.44	138	100	58	1	0	5	1
TN CHATTANOOGA	94	71	96	66	83	6	0.04	-0.81	0.04	4.32	138	33.36	121	96	48	7	0	1	0
TN KNOXVILLE	91	69	94	67	80	5	0.80	-0.35	0.51	7.91	222	34.91	141	95	63	5	0	2	1
TN MEMPHIS	97	77	98	75	87	6	0.00	-0.80	0.00	1.12	35	29.48	108	85	44	7	0	0	0
TN NASHVILLE	93	74	96	70	83	6	0.12	-0.68	0.12	11.31	351	32.70	132	91	49	6	0	1	0
TX ABILENE	99	78	102	75	88	6	0.00	-0.62	0.00	1.99	76	8.10	74	75	28	7	0	0	0
TX AMARILLO	103	69	108	60	88	10	0.00	-0.85	0.00	0.13	4	6.85	77	57	11	7	0	0	0
TX AUSTIN	99	77	101	76	88	5	0.00	-0.75	0.00	1.18	34	11.69	71	88	36	7	0	0	0
TX BEAUMONT	92	76	95	74	84	2	0.49	-0.79	0.43	0.57	11	21.65	84	95	57	5	0	3	0
TX BROWNSVILLE	96	78	98	76	87	4	0.13	-0.45	0.13	0.31	12	3.07	30	94	49	7	0	1	0
TX CORPUS CHRISTI	94	77	98	74	86	3	0.00	-0.74	0.00	0.26	8	6.50	51	94	51	7	0	0	0
TX DEL RIO	102	78	106	77	90	6	0.00	-0.50	0.00	1.35	71	2.89	35	76	25	7	0	0	0
TX EL PASO	103	72	105	62	88	6	0.00	-0.20	0.00	0.34	61	0.76	35	32	19	7	0	0	0
TX FORT WORTH	99	79	101	78	89	6	0.00	-0.59	0.00	1.74	64	18.12	101	78	35	7	0	0	0
TX GALVESTON	90	82	92	80	86	4	0.64	-0.41	0.00	0.00	-	0.00	-999	-	-	4	0	2	1
TX HOUSTON	96	75	100	73	85	4	0.76	-0.32	0.75	2.14	47	16.00	72	97	45	7	0	2	1
TX LUBBOCK	102	73	107	72	88	9	0.91	0.28	0.91	1.31	52	4.94	64	81	18	7	0	1	1
TX MIDLAND	104	76	111	74	90	9	0.00	-0.34	0.00	0.00	0	1.18	20	63	21	7	0	0	0
TX SAN ANGELO	100	75	105	72	88	7	0.00	-0.45	0.00	0.90	42	5.74	60	71	23	7	0	0	0
TX SAN ANTONIO	99	78	100	75	88	4	0.00	-0.79	0.00	0.75	21	10.59	69	86	34	7	0	0	0
TX VICTORIA	98	76	99	74	87	4	0.00	-1.08	0.00	0.04	1	7.88	46	94	42	7	0	0	0
TX WACO	100	78	102	77	89	6	0.00	-0.66	0.00	1.20	40	15.20	90	86	35	7	0	0	0
TX WICHITA FALLS	101	78	104	75	89	8	0.00	-0.72	0.00	4.27	131	14.68	98	69	27	7	0	0	0
UT SALT LAKE CITY	78	56	87	51	67	-5	0.81	0.43	0.46	4.84	589	17.44	193	75	25	0	0	5	0
VT BURLINGTON	83	65	88	61	74	7	4.07	3.24	1.42	8.11	261	24.32	166	100	59	0	0	5	4
VA LYNCHBURG	90	66	95	59	78	4	0.09	-0.72	0.00	1.75	56	31.01	159	97	48	3	0	2	0
VA NORFOLK	89	75	96	73	82	6	0.57	-0.37	0.56	2.22	65	28.89	136	93	55	3	0	2	1
VA RICHMOND	90	71	95	70	81	5	1.11	0.22	0.91	3.79	118	31.17	156	94	54	3	0	3	1
VA ROANOKE	91	68	95	62	79	6	0.44	-0.30	0.39	2.07	72	32.28	168	89	43	6	0	3	0
WA WASH/DULLES	89	68	95	64	78	5	1.07	0.18	0.39	4.93	138	29.21	151	96	56	2	0	2	0
WA HANFORD	82	61	92	54	71	-	0.10	-9.99	0.09	0.96	-	4.33	-999	64	27	1	0	2	0
WA OLYMPIA	69	50	83	44	59	-1	0.91	0.58	0.59	1.39	93	26.15	102	99	54	0	0	5	1
WA QUILLAYUTE	62	48	68	42	55	-1	0.18	-0.45	0.06	1.48	52	46.09	85	99	73	0	0	6	0
WA SEATTLE-TACOMA	68	53	82	51	60	-2	0.58	0.27	0.50	1.50	109	18.90	103	96	53	0	0	3	1
WA SPOKANE	74	52	82	47	63	-2	0.04	-0.22	0.03	0.87	75	9.72	111	85	34	0	0	2	0
WV YAKIMA	79	48	87	41	63	-3	0.06	-0.05	0.05	0.10	20	6.26	152	86	33	0	0	2	0
WV BECKLEY	82	62	87	57	72	5	1.03	0.10	0.79	6.55	192	32.23	161	100	61	0	0	2	1
WV CHARLESTON	86	67	90	62	77	3	1.88	0.80	0.94	8.33	261	29.44	147	99	62	2	0	2	2
WV ELKINS	83	60	87	54	72	5	1.96	0.91	1.03	7.46	186	26.68	122	100	57	0	0	5	2
WV HUNTINGTON	87	68	91	63	78	5	0.23	-0.61	0.21	5.52	178	27.16	134	99	64	3	0	3	0
WI EAU CLAIRE	85	62	88	57	73	5	2.43	1.46	1.25	4.03	106	19.18	139	96	49	0	0	5	1
WI GREEN BAY	84	62	90	58	73	7	4.06	3.26	1.43	6.02	197	16.74	134	98	56	1	0	4	3
WI MADISON	86	65	89	61	76	7	2.54	1.89	1.93	6.49	198	24.31	179	95	51	0	0	5	1
WI MILWAUKEE	87	67	95	63	77	10	0.96	0.18	0.75	2.23	77	17.86	119	88	50	2	0	2	1
WY CASPER	78	45	85	42	62	-4	0.20	-0.10	0.04	3.38	254	6.87	94	83	22	0	0	3	0
WY CHEYENNE	81	48	86	45	65	1	0.13	-0.34	0.13	1.65	88	6.14	83	75	20	0	0	1	0
WY LANDER	74	48	81	43	61	-5	0.06	-0.22	0.03	4.12	305	10.13	127	78	25	0	0	3	0
WY SHERIDAN	76	45	83	41	61	-4	0.23	-0.23	0.13	3.65	176	7.62	89	97	45	0	0	4	0

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

National Agricultural Summary

June 22 - 26, 1998

HIGHLIGHTS

Triple-digit temperatures scorched crops in the southern Great Plains and parts of the Southeast. Tropical storms provided relief from the hot, dry conditions along coastal areas of the Gulf of Mexico, including southern Florida, but brush fires continued to burn where rainfall was light. Temperatures approached triple digits in the Corn

Belt, but adequate soil moisture reserves and additional rain prevented serious heat damage. Heavy rains struck parts of the northern Corn Belt and eastern Ohio Valley, causing localized flooding that washed out crops in low-lying areas. Crop growth improved in the Southwest, aided by warmer, drier weather.

Corn: Corn development progressed slightly ahead of the 5-year average, with 4 percent of the crop silked compared with 3 percent normally in that stage by this date. The crop was most advanced in Georgia and Texas, but progress was slightly behind normal in both States. Extreme heat and dry soils stressed non-irrigated fields during the critical pollination phase. Warm weather and timely showers aided crop conditions in most of the Corn Belt, especially along the northeastern perimeter, where cool temperatures and dry soils had stressed the crop in recent weeks. Some corn fields in the northern Corn Belt were flattened by strong winds, but were expected to recover. Warm weather also boosted conditions in the central High Plains.

Soybeans: Ninety-six percent of the Nation's crop has been planted and 93 percent has emerged. Planting progress fell behind normal because of rain in the southeastern Corn Belt. Dry soils limited planting activity in the Southeastern States. Five percent of the soybean crop has begun to bloom, with progress most advanced in the Lower Mississippi Valley. Across the Southern United States, from the southern Plains to the Atlantic Coastal Plains, conditions deteriorated due to extreme heat. Conditions improved slightly in parts of the Corn Belt, where moderate rainfall replenished soil moisture. Flooded fields were replanted as soon as soils dried enough to support equipment.

Winter wheat: Harvest progress continued at a rapid pace, with over half of the Nation's crop combined. Normally, about one-third of the crop would be harvested by this date. Hot, dry weather quickly dried maturing fields, allowing harvest to accelerate in the central Great Plains and southern Corn Belt. Combining slowed in the Lower Mississippi Valley and southern Great Plains where many farmers were finished harvesting their crop. Harvest progress was well behind normal in California, where the crop was maturing slowly due to the cool weather.

Cotton: Fifty-nine percent of the crop has entered the squaring stage and 16 percent has begun to set bolls. Above-normal temperatures accelerated squaring in the Mississippi Delta cotton-producing States. Searing heat stressed the crop in several areas, where soil moisture levels were very low. Crop growth improved in the Southwest, but development remained well behind the 5-year average due to continued below-normal temperatures.

Rice: Thirteen percent of the crop has reached the heading stage, nearly 1 week ahead of normal. In the western Gulf Coast's rice-producing region, hot weather accelerated development and tropical showers relieved drought conditions.

Small grains: Spring wheat headed progressed to 43 percent, nearly double the normal rate. Cool weather slowed crop growth in Idaho, but development remained well ahead of normal in the other spring wheat-producing States. Heavy rainfall caused ponding that drowned plants in low-lying fields in North Dakota. Strong winds accompanying the storms caused lodging problems. Barley heading advanced to 37 percent, ahead of normal in the northern Great Plains and Pacific Northwest, but slightly behind normal in the northern Rocky Mountains. Rains relieved drought conditions in Montana. Above-normal temperatures and adequate soil moisture accelerated oat development, especially in the Great Lakes Region. A combination of warm weather and plentiful moisture supplies allowed conditions to improve in most oat-producing States.

Other crops: Sorghum planting progressed to 94 percent complete. Planting advanced rapidly in the southern High Plains, but hot weather and dry soils caused poor stands and uneven development. Wet soils hindered planting and stunted growth in the southern Corn Belt. Peanut pegging advanced to 37 percent, nearly 1 week ahead of normal for this date. Hot weather stressed the crop in the eastern Gulf Coast and southern Great Plains' peanut-producing areas.

Crop Progress and Condition

Week Ending June 28, 1998

Soybeans Percent Planted

	Jun 28 1998	Prev Week	Prev Year	5-Yr Avg
AL	95	90	79	86
AR	96	89	85	88
GA	81	76	91	90
IL	94	91	98	96
IN	92	91	98	96
IA	100	99	100	97
KS	98	97	99	92
KY	62	55	56	74
LA	98	97	92	94
MI	100	98	100	98
MN	99	99	99	96
MS	98	97	89	92
MO	90	83	87	86
NE	100	100	100	99
NC	85	70	76	80
OH	100	99	98	98
SC	93	83	89	85
SD	100	98	98	93
TN	85	73	58	77
ALL	95	93	94	94

These 19 States planted 93% of last year's soybean acreage.

Soybeans Percent Blooming

	Jun 28 1998	Prev Week	Prev Year	5-Yr Avg
AL	6	NA	3	4
AR	11	NA	3	5
GA	5	NA	3	6
IL	2	NA	2	3
IN	0	NA	0	1
IA	0	NA	3	0
KS	12	NA	8	3
KY	0	NA	0	0
LA	35	NA	19	12
MI	2	NA	0	2
MN	5	NA	0	2
MS	42	NA	17	18
MO	4	NA	2	1
NE	0	NA	1	2
NC	5	NA	2	1
OH	7	NA	1	3
SC	13	NA	4	3
SD	6	NA	1	2
TN	1	NA	0	1
ALL	5	NA	3	3

These 19 States planted 93% of last year's soybean acreage.

Corn Percent Silking

	Jun 28 1998	Prev Week	Prev Year	5-Yr Avg
CO	0	0	0	0
GA	83	76	85	87
IL	2	0	0	0
IN	0	0	0	0
IA	0	0	0	0
KS	10	0	2	3
KY	8	0	0	4
MI	0	0	0	0
MN	0	0	0	0
MO	13	6	3	5
NE	0	0	0	0
NC	45	23	24	36
OH	0	0	0	0
PA	0	0	0	0
SD	0	0	0	0
TX	54	51	45	57
WI	0	0	0	0
ALL	4	3	2	3

These 17 States planted 90% of last year's corn acreage.

Soybeans Percent Emerged

	Jun 28 1998	Prev Week	Prev Year	5-Yr Avg
AL	85	72	NA	NA
AR	87	77	NA	NA
GA	69	63	NA	NA
IL	91	84	NA	NA
IN	89	87	NA	NA
IA	100	98	NA	NA
KS	95	94	NA	NA
KY	57	50	NA	NA
LA	95	91	NA	NA
MI	95	90	NA	NA
MN	99	98	NA	NA
MS	94	87	NA	NA
MO	87	81	NA	NA
NE	100	*98	NA	NA
NC	75	65	NA	NA
OH	97	94	NA	NA
SC	83	66	NA	NA
SD	97	93	NA	NA
TN	75	60	NA	NA
ALL	93	88	NA	NA

These 19 States planted 93% of last year's soybean acreage.

Winter Wheat Percent Harvested

	Jun 28 1998	Prev Week	Prev Year	5-Yr Avg
AR	98	90	66	82
CA	40	20	83	66
CO	10	0	0	6
GA	99	97	95	96
ID	0	0	0	0
IL	57	16	5	18
IN	26	8	4	11
KS	68	36	5	28
MI	1	0	0	0
MO	55	28	22	28
MT	0	0	0	0
NE	4	0	0	4
NC	85	65	79	75
OH	5	0	0	0
OK	99	82	63	78
OR	0	0	0	0
SD	0	0	0	0
TX	87	72	51	68
WA	0	0	0	0
ALL	52	35	21	33

These 19 States harvested 92% of last year's winter wheat acreage.

Sorghum Percent Planted

	Jun 28 1998	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	100
CO	91	83	97	91
IL	65	62	88	87
KS	98	96	97	94
LA	100	100	100	99
MS	100	100	100	100
MO	100	94	97	94
NE	100	99	100	99
NM	61	36	97	87
OK	92	72	90	88
SD	94	90	92	90
TX	91	87	96	95
ALL	94	90	96	94

These 12 States planted 99% of last year's sorghum acreage.

Spring Wheat Percent Headed

	Jun 28 1998	Prev Week	Prev Year	5-Yr Avg
ID	21	14	47	33
MN	56	31	16	34
MT	35	20	29	19
ND	34	15	17	16
SD	78	37	35	43
ALL	43	21	23	23

These 5 States planted 96% of last year's spring wheat acreage.

Crop Progress and Condition

Week Ending June 28, 1998

Cotton Percent Squaring

	Jun 28 1998	Prev Week	Prev Year	5-Yr Avg
AL	68	49	33	58
AZ	76	60	90	89
AR	92	63	55	73
CA	15	10	64	45
GA	70	59	58	72
LA	92	82	57	77
MS	94	80	49	75
MO	75	52	18	57
NM	51	22	62	50
NC	55	40	30	38
OK	13	3	10	19
SC	46	31	51	52
TN	80	46	34	62
TX	48	31	42	41
ALL	59	43	47	54

These 14 States planted 98% of last year's cotton acreage.

Cotton Percent Setting Bolls

	Jun 28 1998	Prev Week	Prev Year	5-Yr Avg
AL	9	NA	0	5
AZ	9	NA	45	42
AR	9	NA	0	4
CA	1	NA	9	3
GA	28	NA	5	13
LA	24	NA	4	15
MS	23	NA	15	14
MO	4	NA	0	3
NM	0	NA	1	0
NC	2	NA	2	6
OK	0	NA	0	0
SC	8	NA	10	8
TN	7	NA	0	2
TX	20	NA	8	14
ALL	16	NA	7	11

These 14 States planted 98% of last year's cotton acreage.

Rice Percent Headed

	Jun 28 1998	Prev Week	Prev Year	5-Yr Avg
AR	6	0	0	0
CA	0	0	0	0
LA	38	20	12	21
MS	10	7	7	4
TX	22	7	2	15
ALL	13	5	3	6

These 5 States planted 96% of last year's rice acreage.

Oats Percent Headed

	Jun 28 1998	Prev Week	Prev Year	5-Yr Avg
IA	87	60	83	72
MI	90	47	31	43
MN	75	46	47	49
NE	96	68	84	85
ND	28	7	9	12
OH	93	81	66	67
PA	80	50	63	64
SD	73	31	39	43
WI	93	58	56	45
ALL	71	41	45	44

These 9 States planted 57% of last year's oat acreage.

Peanuts Percent Pegging

	Jun 28 1998	Prev Week	Prev Year	5-Yr Avg
AL	40	26	23	25
FL	43	28	49	NA
GA	49	31	28	42
NC	40	30	7	6
OK	32	18	22	17
SC	15	10	0	6
TX	19	3	13	7
VA	28	3	6	NA
ALL	37	21	22	25

These 8 States planted 99% of last year's peanut acreage.

Barley Percent Headed

	Jun 28 1998	Prev Week	Prev Year	5-Yr Avg
ID	25	20	42	31
MN	57	26	12	37
MT	22	16	18	16
ND	31	13	13	19
SD	73	31	39	39
WA	95	85	87	82
ALL	37	23	25	28

These 6 States planted 83% of last year's barley acreage.

Winter Wheat Crop Condition by Percent

	VP	P	F	G	EX
AR	0	5	35	50	10
CA	0	0	40	50	10
CO	2	4	22	46	26
GA	4	12	48	35	1
ID	0	0	3	60	37
IL	6	17	40	33	4
IN	3	13	29	43	12
KS	1	5	20	53	21
MI	2	11	35	47	5
MO	1	10	45	39	5
MT	2	20	43	32	3
NE	4	15	27	46	8
NC	0	7	35	57	1
OH	0	3	21	54	22
OK	0	0	13	71	16
OR	0	0	5	42	53
SD	0	1	15	55	29
TX	2	8	41	44	5
WA	0	2	16	68	14
ALL	1	6	25	52	16
Prev Wk	2	7	26	52	13
Prev Yr	2	8	25	52	13

Soybeans Crop Condition by Percent

	VP	P	F	G	EX
AL	4	11	62	22	1
AR	2	12	32	45	9
GA	24	25	34	16	1
IL	6	11	34	42	7
IN	3	10	31	48	8
IA	4	8	26	46	16
KS	1	3	22	62	12
KY	1	3	34	45	17
LA	9	22	41	27	1
MI	3	8	37	46	6
MN	2	6	29	51	12
MS	4	10	33	47	6
MO	1	10	36	46	7
NE	1	5	17	61	16
NC	1	3	20	73	3
OH	2	7	30	50	11
SC	4	11	34	50	1
SD	3	3	14	65	15
TN	0	3	29	55	13
ALL	3	8	29	50	10
Prev Wk	2	7	29	51	11
Prev Yr	1	6	28	54	11

Crop Progress and Condition

Week Ending June 28, 1998

Corn Crop Condition by Percent					
	VP	P	F	G	EX
CO	0	2	24	58	16
GA	34	24	20	20	2
IL	6	12	30	42	10
IN	5	10	30	46	9
IA	3	8	21	47	21
KS	1	4	21	64	10
KY	2	7	27	48	16
MI	4	8	31	44	13
MN	1	3	18	55	23
MO	1	7	30	48	14
NE	1	4	16	59	20
NC	3	9	25	58	5
OH	2	6	26	51	15
PA	0	2	19	67	12
SD	2	2	11	60	25
TX	19	22	29	29	1
WI	0	3	16	52	29
ALL	3	7	23	51	16
Prev Wk	3	6	25	51	15
Prev Yr	1	4	21	57	17

Cotton Crop Condition by Percent					
	VP	P	F	G	EX
AL	10	20	52	17	1
AZ	3	16	37	34	10
AR	0	4	28	57	11
CA	10	65	20	5	0
GA	15	16	34	29	6
LA	3	8	39	46	4
MS	0	6	19	63	12
MO	0	14	37	40	9
NM	0	5	34	31	30
NC	0	2	21	72	5
OK	0	15	35	40	10
SC	3	9	32	50	6
TN	0	3	16	57	24
TX	20	20	34	24	2
ALL	11	18	31	35	5
Prev Wk	12	16	30	35	7
Prev Yr	3	10	31	45	11

Rice Crop Condition by Percent					
	VP	P	F	G	EX
AR	0	5	20	57	18
CA	0	20	50	30	0
LA	0	3	36	55	6
MS	0	2	14	75	9
TX	0	2	34	57	7
ALL	0	7	29	53	11
Prev Wk	0	6	27	51	16
Prev Yr	0	2	29	56	13

Sorghum Crop Condition by Percent					
	VP	P	F	G	EX
AR	1	8	35	49	7
CO	0	1	25	63	11
IL	12	11	48	29	0
KS	0	4	32	59	5
LA	5	13	45	30	7
MS	1	6	35	48	10
MO	0	2	24	63	11
NE	1	4	30	52	13
NM	17	37	36	10	0
OK	2	3	53	41	1
SD	0	1	16	76	7
TX	16	27	39	16	2
ALL	6	12	35	42	5
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	0	2	18	62	18

Oats Crop Condition by Percent					
	VP	P	F	G	EX
IA	1	5	22	53	19
MI	2	16	47	33	2
MN	0	5	24	52	19
NE	1	9	13	53	24
ND	0	3	31	60	6
OH	0	5	27	60	8
PA	1	6	30	55	8
SD	0	2	15	63	20
WI	0	2	15	63	20
ALL	0	4	23	58	15
Prev Wk	1	5	25	57	12
Prev Yr	3	11	28	48	10

Peanuts Crop Condition by Percent					
	VP	P	F	G	EX
AL	21	31	43	5	0
FL	0	37	60	3	0
GA	7	13	36	38	6
NC	0	0	8	89	3
OK	0	8	46	45	1
SC	3	14	45	37	1
TX	7	12	39	30	12
VA	0	0	9	69	22
ALL	7	15	36	36	6
Prev Wk	5	13	34	37	11
Prev Yr	0	2	28	61	9

Spring Wheat Crop Condition by Percent					
	VP	P	F	G	EX
ID	0	1	4	56	39
MN	1	8	40	39	12
MT	5	18	42	32	3
ND	1	4	26	54	15
SD	0	2	23	54	21
ALL	2	7	30	48	13
Prev Wk	1	7	28	50	14
Prev Yr	3	14	33	44	6

Barley Crop Condition by Percent					
	VP	P	F	G	EX
ID	0	3	5	53	39
MN	1	10	41	34	14
MT	3	13	44	37	3
ND	0	4	22	55	19
SD	0	3	19	60	18
WA	0	0	29	60	11
ALL	1	6	27	49	17
Prev Wk	1	7	28	47	17
Prev Yr	2	9	25	54	10

CORRECTED FOR WEEK ENDING JUNE 21, 1998

Cotton Crop Condition by Percent					
	VP	P	F	G	EX
AL	9	12	32	46	1
AZ	2	13	29	43	13
AR	0	3	29	47	21
CA	30	50	20	0	0
GA	9	17	39	28	7
LA	1	5	44	45	5
MS	1	4	17	59	19
MO	0	1	23	58	18
NM	0	3	35	42	20
NC	1	3	25	65	6
OK	0	0	33	56	11
SC	0	8	38	47	7
TN	0	3	18	60	19
TX	21	20	32	26	1
ALL	12	16	30	35	7
Prev Wk	9	14	31	37	9
Prev Yr	4	10	32	45	9

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

*Revised

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 6.5. Topsoil 31% very short, 50% short, 19% adequate. Scattered showers provided much-needed soil moisture in a few areas, good soaking rain is needed over the State. Wheat harvested 96%, 65% 1997, 78% avg. Soybeans planted 95%, 79% 1997, 86% avg. Hay harvested 98%, 78% 1997, 90% avg. Cotton 10% very poor, 20% poor, 52% fair, 17% good, 1% excellent. Livestock 2% very poor, 11%, poor, 53% fair, 31% good, 3% excellent. Pasture feed 19% very poor, 19% poor, 41% fair, 20% good, 1% excellent. Hay harvest 1st cutting nears completion. Tomatoes, squash, cucumbers, sweet corn harvest in full swing.

ALASKA: Days suitable for fieldwork 5.8. Topsoil 45% short, 50% adequate, 5% surplus. Subsoil 35% short, 60% adequate, 5% surplus. Oats progressed to 10% boot stage. Barley 30% boot; conditions at 75% poor, 20% fair, 5% good. Average height of the grain crops 8.8 in. Commercial potato 75% emerged. General crop growth for the week 45% slow, 50% moderate, 5% rapid. Small grain silage 50% poor, 45% fair, 5% good. Range, pasture feed 45% poor, 20% fair, 30% good, 5% excellent.

ARIZONA: Alfalfa harvest activity was reported as 2% not being harvested, 1% light, 2% moderate, 95% active. Alfalfa condition declined again last week. Condition 3% very poor, 4% poor, 26% fair, 38% good, 29% excellent. Small grains were reported as 100% mature. This compares with 100% 1997, 100% avg. Small grain harvested 91%, 93% 1997, 92% avg. Central areas began harvesting its grape crop last week, continued to ship a variety of vegetables, melons, potatoes, while western areas continued harvesting an assortment of melons, grapes last week. Grape shipments from central areas consisted of seedless flames, perlettes. Vegetable shipments included carrots, sweet corn, manufacturing potatoes, while melon shipments involved cantaloupe, honeydew, watermelon, a light volume of canary, casaba, orange flesh, Santa Claus, sharilyn, speciality melons. Western areas growers harvested a variety of melons, including canary, cantaloupe, crenshaw, honeydew, orange flesh, Santa Claus, sharilyn, watermelons. Grape shipments from western areas included seedless flames, perlettes, light volume of seedless beauties. Central, western areas shipped a small volume of grapefruit last week.

ARKANSAS: Days suitable for fieldwork 7. Soil moisture 23% very short, 59% short, 18% adequate. Few showers were reported during the week. Main farming activities: Farmers continue planting double-cropped soybeans behind harvested wheat. Hay baling continues. Other farm activities include irrigating rice, cotton, full-season soybeans. Corn 1% very poor, 6% poor, 31% fair, 47% good, 15% excellent. Alfalfa 2% poor, 34% fair, 63% good, 1% excellent. Other hay 6% poor, 37% fair, 51% good, 6% excellent. Range, pasture feed 11% poor, 41% fair, 43% good, 5% excellent.

CALIFORNIA: Field activities progressed normally under favorable weather conditions in most areas. Grain harvests of wheat, barley and oats continued in the Imperial and San Joaquin Valleys, and began in the Sacramento Valley. Progress of wheat harvest was slowed by the late-maturing crop and worse-than-normal weed problems in the Sacramento Valley. Rice planting was winding down in most growing areas. Herbicides were heavily applied to most emerging rice fields in response to serious weed infestations. Cotton plants continued to show improved growth and gradual recovery from the earlier spring conditions in the San Joaquin and Sacramento Valleys. However, most cotton fields in

these areas were still 3 to 4 weeks behind normal. Cotton growers were cultivating, fertilizing, irrigating and treating fields for lygus. Many cotton fields in the Imperial Valley were setting bolls. Dry edible beans and corn for grain and silage were planted following small grain harvest; some corn fields were treated for mites. Early-planted corn and dry bean fields showed good growth and emergence. Seed alfalfa was in full bloom in the San Joaquin Valley; some fields were sprayed for lygus and mites. Safflower bloom continued in the San Joaquin Valley, while fields in the Sacramento Valley were developing well, nearing bloom. Old crop sugar beets were harvested, while new crop fields were being planted. Alfalfa, oats, pasture grasses, Sudan grass were cut for hay. Warmer weather helped the maturity of grapes, stone fruit to advance. Grape growers continued to apply sulfur to vines to control powdery mildew. Other activities in vineyards included spraying, discing weeds, the application of insecticides for leafrollers. Table grape growers in the San Joaquin Valley were girdling vines, tipping bunches. Coachella Valley grapes were picked for fresh consumption. San Joaquin Valley stone fruit growers were picking nectarines, plums, freestone peaches, apricots. Growers had problems with brown rot, mold, split pits. Strawberry harvest was active. Harvests of grapefruit, Valencia oranges, south coast lemons remained active. Most vegetable crops remained at least 3 weeks behind normal in the Sacramento Valley. Head, leaf lettuce harvest neared completion in the San Joaquin Valley. Harvests of melons, sweet corn accelerated in the Imperial Valley as temperatures exceeding 100 degrees began to threaten crop quality. Sweet corn harvest began in the southern San Joaquin Valley, was slowly progressing northward. Melons were growing well in the San Joaquin Valley; some fields were weeded, sprayed for aphids. Sacramento Valley melons were blooming; some fields were still being planted. Fresh market, processing tomato growers were actively spraying for fungus, blight in the San Joaquin, Sacramento Valleys. Fresno County tomatoes were sizing well. Potato harvest was approximately one quarter completed in Kern County. Spring potato crop had some appearance, size problems. Potatoes in San Joaquin County were sprayed for blight, snap bean fields were prepared for planting. Sweet potatoes were planted in Merced County. Broccoli, cauliflower were harvested in the coastal valley, San Joaquin Valleys. Harvest of red, white, yellow onions continued. Garlic was harvested in the San Joaquin Valley; some fields experienced rust problems. Other crops harvested included cabbage, carrots, mushrooms, squash. Pasture, rangeland remained in good to excellent condition, with rangeland grasses drying in the warmer weather. Pasture land in some areas was irrigated. In the north, at high elevations, rangeland vegetation continued to develop, was staying green longer than normal. Fire danger was high in low-elevation areas, with the abundance of tall dry grass. Plenty of forage remained available, although in some areas the quantity was reduced by grazing. Yellow star thistle was reported to be spreading in Sutter County. Livestock were in excellent condition, making good weight gains on ample forage. Calves continued to be shipped. Bees were active in melon fields, in seed alfalfa, seed onion fields.

COLORADO: Days suitable for fieldwork 6.8. Topsoil 17% very short, 50% short, 32% adequate, 1% surplus. Subsoil 9% very short, 43% short, 48% adequate, 0% surplus. Hot, dry weather conditions dominated State. Corn benefited from the warmer temperatures, wheat was stressed without added moisture, was ripening quickly. Spring barley 65% headed, 83% 1997, 58% avg.; 15% turning color, 21% 1997, 16% avg.; 3% poor, 16% fair, 71% good, 10% excellent. Oats 61% headed, 68% 1997, 50% avg.; 12% turning color, 22% 1997, 9% avg.; 7% poor, 27% fair, 56% good, 10% excellent. Dry onions 1% very

poor, 2% poor, 8% fair, 65% good, 24% excellent. Sugar beets 1% poor, 16% fair, 65% good, 18% excellent. Summer potatoes 2% poor, 5% fair, 46% good, 47% excellent. Fall potatoes 99% emerged, 100% 1997, 89% avg.; 60% fair, 40% good. Dry beans 93% planted, 99% 1997, 91% avg.; 88% emerged, 91% 1997, 78% avg. Alfalfa 84% 1st cutting, 80% 1997, 72% avg.; 2% 2nd cutting, 5% 1997, 5% avg. Winter wheat 87% turning color, 65% 1997, 73% avg.; 23% ripe, 7% 1997, 14% avg. Spring wheat 52% headed, 65% 1997, 48% avg.; 28% turning color, 3% 1997, 6% avg.; 1% very poor, 3% poor, 15% fair, 67% good, 14% excellent. Livestock in mostly fair to good condition.

DELAWARE: Days suitable for fieldwork 5.0. Topsoil 3% short, 95% adequate, 2% surplus. Subsoil 3% short, 97% adequate. Winter wheat 2% very poor, 2% poor, 27% fair, 62% good, 7% excellent; 33% harvested, 7% 1997, 16% avg. Barley 20% fair, 67% good, 13% excellent; 92% harvested, 85% 1997, 84% avg. Soybeans 60% planted, 63% 1997, 69% avg.; 47% emerged. Apples 2% fair, 79% good, 19% excellent. Peaches 2% fair, 80% good, 18% excellent. Sorghum 68% planted, 73% 1997, 86% avg. Sweet corn 86% planted, 87% 1997, 96% avg. Cucumbers 58% planted, 55% 1997, 74% avg.; 7% harvested, 4% 1997, 5% avg. Snap beans 45% planted, 49% 1997, 70% avg.; 10% harvested, 3% 1997, 8% avg. Tomatoes 74% planted, 83% 1997, 95% avg. Green peas 80% harvested, 68% 1997, 78% avg. Other hay 94% 1st cutting harvested, 97% 1997, 98% avg.; 37% 2nd cutting harvested, 53% 1997, 26% avg. Alfalfa 94% 1st cutting harvested, 97% 1997, 98% avg.; 40% 2nd cutting, 61% 1997, 41% avg. Hay supplies 3% short, 97% adequate. Pasture feed 1% poor, 7% fair, 81% good, 11% excellent. Activities: Vegetable planting continued, barley still being harvested

FLORIDA: Topsoil moisture throughout State mostly very short to short, with scattered areas having adequate moisture. Brush fire problems in all areas. Sugarcane growing on sandy land showing stress. All dryland crops under stress because of hot, dry conditions. Corn for grain lost in most areas, being chopped for livestock feed. Irrigated crops showing signs of stress because of high temperatures. Drought has stopped haying in most areas. Peanuts pegged 43%. Peanut poor 37%, fair 60%, good 3%. Producers picking sweet corn, eggplant, peppers, tomatoes, watermelons. Growers abandoning some watermelon acreage due to drought; some melons scalded by sun. Harvesting of other vegetables for mainly local sales continues. Hot, dry citrus areas first of week. Scattered showers in most areas by weekend. Irrigation continues around the clock where available, more rain needed. Some afternoon wilt, with various amounts of leaf drop, fruit loss. Some young little trees are dying. Valencia oranges remaining to be picked showing signs of softening. Very few grapefruit being picked as most grapefruit processors, packing houses closed for season. Caretakers cutting cover crops, fertilizing, spraying, hedging, topping. Pasture feed very poor 20%, poor 50%, fair 25%, good 5%. Cattle poor 25%, fair 55%, good 20%. Panhandle cattlemen feeding hay, cattle in some cases showing signs of heat stress. Northern area grass short, cattle in serious condition. Some locations got rain, overall pasture situation critical. Several thousand acres burned. Hay feeding active. Pastures being irrigated where possible. Central area pastures critically poor condition. Cattle supplemental feeding active. West-central area cattle condition improved. Pasture condition improved after some rain. Southwest area very dry, lots of brush fires.

GEORGIA: Days suitable for fieldwork 6.4. Soil moisture 42% very short, 37% short, 20% adequate, 1% surplus. Corn 57% dough, 40% 1997, 49% avg.; 15% dent, 10% 1997, 16% avg. Hay 13% very poor, 28% poor, 32% fair, 25% good, 2% excellent. Peanuts 87% blooming, 71% 1997, 82% avg. Sorghum 25% very poor, 19% poor, 33% fair, 23% good; 91% planted, 81% 1997, 89% avg. Tobacco 3% very poor, 13% poor, 43% fair, 38% good, 3% excellent; 5% harvested, 13% 1997, 10% avg. Watermelons 9% very poor, 15% poor, 47% fair, 28% good, 1% excellent; 47% harvested, 27% 1997, 30% avg. Apples 1% very poor, 1% poor, 10% fair, 75% good, 13% excellent. Peaches 24% very

poor, 19% poor, 19% fair, 22% good, 16% excellent; 66% harvested, 66% 1997, 65% avg. Pecans 14% very poor, 25% poor, 43% fair, 17% good, 1% excellent. Hot, dry conditions continue across the State. Scattered rainfall in many areas. Extreme southwest areas over 3 inches of rain at mid-week. Good rain needed in all areas to maintain crop condition. Overall crop progress holding steady. Irrigating in full swing, where available. Corn, cotton, peanut conditions continue to decline due to extremely hot, dry conditions. Salvaging some corn by cutting for silage. Insect pressure continues. Soybean planting continues to lag last year, average due to the dry conditions. Heat stress appearing in cattle. Hot, dry conditions affecting pasture, hay. Activities: Applying herbicides, insecticides, harvesting wheat, watermelons, peaches, other vegetables, side dressing, routine care of livestock

HAWAII: Partly cloudy skies, light to moderate showers were fair for crop development. Banana harvesting steady, with seasonal increase in some areas. Fruit quality, yields good from most orchards. Papaya harvesting generally light. Crop condition varied mostly fair to good. Harvesting of watermelon expected to pick up as Fourth of July weekend approaches. Crop condition was good. Head cabbage harvesting steady. Some plantings abandoned due to weak market. Tomato volume at heavy level. Crop conditions fair to good.

IDAHO: Days suitable for fieldwork 5.0. Topsoil 19% surplus, 80% adequate, 1% short. Below-normal temperatures continue. Hail damage to potatoes, corn and small grains in eastern and south-central areas. Alfalfa hay 1st cutting 60%, 1997 74%, avg. 73%. Irrigation supply 61% excellent, 39% good. Dry beans planted 98%, 1997 100%, avg.; 98%; emerged 77%, 1997 99%, avg. 89%. Corn emerged 98%, 1997 99%, avg. 99%. Cherries harvested 3%, 1997 52%, avg. 32%. Potatoes emerged 93%, 1997 96%, avg. 95%; 12" high 38%, 1997 57%, avg. 41%; closing middles 7%, 1997 23%, avg. 12%. Barley jointed 83%; booted 53%. Spring wheat jointed 88%; booted 61%. Winter wheat booted 98%; headed 82%; turning color 10%. Activities: Planting dry beans, cultivating corn, beans, sugar beets, potatoes, onions, mint, thinning sugar beets, weed control, irrigation, harvesting cherries.

ILLINOIS: Days suitable for fieldwork 3.9. Topsoil 4% short, 53% adequate, 43% surplus. Topsoil moisture benefited from the warm weather last week. Taking advantage of the warm weather last week, farmers were able to push the harvest of wheat to 57% complete. Many farmers were able to finally spray herbicides on their bean fields. Farmers in the southeast district were able to make good progress planting beans. Other activities last week included cultivating corn, harvesting green beans and mowing grass waterways. Corn height 35 in., 32 in. 1997, 28 in. avg. Winter wheat turning yellow 98%, 88% 1997, 93% avg.; ripe 88%, 43% 1997, 58% avg. Oats 26% fair, 59% good, 15% excellent; headed 93%, 83% 1997, 78% avg.; filled 51%, 37% 1997, 40% avg.; turning yellow 8%, 3% 1997, 9% avg.; ripe 1%, 0% 1997, 1% avg. Alfalfa hay 1% very poor, 4% poor, 24% fair, 57% good, 14% excellent; 1st cut 94%, 96% 1997, 94% avg.; 2nd cut 14%, 12% 1997, 14% avg. Red clover 4% very poor, 3% poor, 33% fair, 49% good, 11% excellent; cut 70%, 77% 1997, 82% avg.

INDIANA: Days suitable for fieldwork 3.8. Topsoil 2% very short, 8% short, 51% adequate, 39% surplus. Subsoil 1% very short, 7% short, 55% adequate, 37% surplus. Continued wet weather in southern region has delayed planting, led to seedling disease problems. Replanting of flooded spots in soybean fields underway in central region. Delayed nitrogen application resulting in corn yellowing. Range, pasture feed 1% very poor, 2% poor, 21% fair, 56% good, 20% excellent. Alfalfa 1st cutting 92% complete; 2nd cutting 18% complete. Transplanting of tobacco 65% complete. Activities: Harvesting winter wheat, planting and replanting soybeans, side-dressing corn, applying post-emergence chemicals, cutting hay, caring for livestock.

IOWA: Days suitable for fieldwork 3.2. Topsoil short 2%, adequate 51%, surplus 47%. Subsoil short 1%, adequate 50%, surplus 49%. This past week brought much-needed warm weather to much of the State. Much of the state is still reporting large quantities of yellow corn, soybeans from excessive moisture. Hay crop is slowly drying out, some reporters are saying their 1st cutting of hay is going to be virtually a complete loss. 1998 row crops: Corn cultivated 57%, 73% 1997, 56% avg.; height tallest 44 in, 37 in 1997; average 31 in, 27 in 1997. Oats headed 87%, 83% 1997, 72% avg.; turning color 6%, 26% in 1997, 17% avg. Corn 3% very poor, 8% poor, 21% fair, 47% good, 21% excellent. Soybean 4% very poor, 8% poor, 26% fair, 46% good, 16% excellent. Oat 1% very poor, 5% poor, 22% fair, 53% good, 19% excellent. All hay 1% very poor, 8% poor, 28% fair, 50% good, 13% excellent. Pasture feed 4% poor, 20% fair, 49% good, 27% excellent.

KANSAS: Days suitable for fieldwork 5.3. Topsoil 11% very short, 35% short, 53% adequate, 1% surplus. Subsoil 6% very short, 28% short, 65% adequate, 1% surplus. Wheat harvest made good progress again due to hot, dry weather. Western half of the State could use rain, while the eastern half received scattered rain. Wheat ripe 96%, 36% 1997, 59% avg. Sorghum emerged 95%. Sunflowers planted 90%, 88% 1997, NA avg. Alfalfa hay 2nd cutting 54%, 33% 1997, 31% avg. Major field activities: Preparing for harvest, harvesting wheat, cultivating corn, planting fall crops, cutting alfalfa. Pasture feed 1% very poor, 7% poor, 32% fair, 55% good and 5% excellent. Stock water supplies 9% short, 90% adequate, 1% surplus.

KENTUCKY: Days suitable for fieldwork 3.9. Topsoil 1% short, 62% adequate, 37% surplus. Subsoil 64% adequate, 36% surplus. Early-week thunderstorms with heavy rain halted fieldwork before hot, dry weather allowed farmers to return to fields. Excessive rain in previous weeks left farmers working in muddy conditions. River bottoms remained flooded. Producers began spraying for weed, disease, insect control at week's end. Early-planted corn 18% tasseling or tasseled. Disease, insect problems limited. Avg. height emerged soybeans 6 in. Increased spread of blue mold, appearance of black shank in tobacco. Late-week hot, drier weather helped slow diseases spread, allowed spraying. Burley 90% set, 79% 1997, avg. 86%. Dark tobacco 91%, 79% 1997, avg. 90%. Conditions of set tobacco 1% very poor, 9% poor, 32% fair, 44% good, 14% excellent. Tobacco height 66% under 12 in., 25% between 12-24 in., 9% over 24 in. Resetting of flooded, washed out tobacco fields active where sufficient plants available. Despite muddy conditions, small grain harvest made good late-week progress. Barley acreage 99% harvested, 79% 1997, avg. 81%. Winter wheat harvest to gain momentum with drier weather, 69% harvested, 23% 1997, 52% avg. Hay baling resumed as hot, humid conditions replaced persistent rain. Pasture feed 2% poor, 21% fair, 56% good, 21% excellent. Sorghum planting 43% complete.

LOUISIANA: Days suitable for fieldwork 6.0. Soil moisture 46% very short, 35% short, 18% adequate, 1% surplus. Corn 19% very poor, 22% poor, 33% fair, 17% good, 9% excellent; 99% silked, 89% 1997, 91% avg.; 64% dough stage, 40% 1997, 56% avg. Nonirrigated corn will not benefit much from rain at this point. Cotton showing more signs of drought stress. Hay 95% 1st cutting, 88% 1997, 86% avg. Peaches 56% harvested, 59% 1997, 45% avg. Early rice heading out in the south and late rice was treated for sheath blight. Sorghum 22% headed, 12% 1997, 19% avg. Soybeans: Group IV varieties were blooming, setting pods prematurely due to the drought. Sugarcane 2% very poor, 7% poor, 28% fair, 50% good, 13% excellent; rain helped some areas, but more is needed to ensure that growth of seedcane is adequate. Sweet potatoes 91% planted, 79% 1997, 79% avg. Livestock 3% very poor, 13% poor, 41% fair, 38% good, 5% excellent. Ranchers resorted to increased feedings of hay, supplements because of poor pastures. Vegetables 13% very poor, 23% poor, 35% fair, 26% good, 3% excellent.

MARYLAND: Days suitable for fieldwork 4.0. Topsoil 2% short, 74% adequate, 24% surplus. Subsoil moisture 1% very short, 4% short, 82% adequate, 13% surplus. Winter wheat 3% very poor, 13% poor, 32% fair, 46% good, 6% excellent; 29% harvested, 7% 1997, 18% avg. Barley 2% very poor, 6% poor, 40% fair, 45% good, 7% excellent; 86% harvested, 82% 1997, 73% avg. Rye 1% very poor, 1% poor, 23% fair, 63% good, 12% excellent; 66% harvested, 24% 1997, 26% avg. Soybeans 76% planted, 69% 1997, 72% avg.; 70% emerged. Sorghum 97% planted, 92% 1997, 88% avg. Tobacco 93% transplanted, 100% 1997, 98% avg. Sweet corn 97% planted, 97% 1997, 97% avg. Snap beans 78% planted, 85% 1997, 88% avg.; 5% harvested, 1% 1997, 7% avg. Lima beans 80% planted, 44% 1997, 69% avg. Cucumbers 20% harvested, 10% 1997, 13% avg. Pasture feed 1% very poor, 4% poor, 20% fair, 56% good, 19% excellent. Apples 1% poor, 18% fair, 64% good, 17% excellent. Peaches 1% poor, 15% fair, 69% good, 15% excellent. Other hay 93% 1st cutting harvested, 93% 1997, 95% avg.; 25% 2nd cutting, 6% 1997, 9% avg. Alfalfa hay 32% 2nd cutting harvested, 27% 1997, 32% avg. Hay supplies 1% very short, 7% short, 82% adequate, 10% surplus. Activities: Have reports of blue mold in tobacco; wheat yields lower than usual; hot weather, humidity, thunderstorms have affected grain, hay harvest.

MICHIGAN: Days suitable for fieldwork 6.0. Topsoil 24% very short, 48% short, 27% adequate, 1% surplus. Subsoil 20% very short, 49% short, 30% adequate, 1% surplus. Hay 1st cutting 95%, 76% 1997, 72% avg. Corn height single 23 in., 15 in. 1997, 18 in. avg. Drybeans planted 97%, 99% 1997, 83% avg. Strawberries harvested 90%, 21% 1997, 49% avg. Winter wheat turning yellow 90%, 2% 1997, 16% avg. In spite of scattered showers across State, near-drought conditions persist. Corn progress varied greatly. Soybeans progressed well where moisture was adequate. Sugar beets looked good with no major issues. Dry beans beginning to emerge. Alfalfa 2nd cutting underway in southern areas. Wheat was maturing quickly with harvest set to begin soon in Southern counties. Potatoes were progressing rapidly. Cabbage harvest in full swing. Carrots progressed, but slowly due to excess heat. Celery harvest of 'hearts' began. Early-slicing cucumber harvest began. Warm weather helped growth for eggplants, peppers. Summer squash harvest underway. Early sweet corn fields in southern areas were nearing harvest. Melon growth excellent. Early-market tomatoes nearing harvest. Processing tomatoes making good growth. Fruit crops 10-14 days ahead of normal. Powdery mildew causing disease problems, especially on apples. Dry conditions suppressed development of fire blight. Bird pressure continued. Sweet cherry harvest continued in the southwest, began in the west-central region this week. Tart cherries ripening rapidly, harvest began in southwest. Apples continued to size well. Fire blight severe in blocks where wind damaged trees on May 31. Hail damaged some apple orchards Ionia County. Strawberry harvest was near completion. Maturity advanced rapidly due to hot weather, while labor supply was short. Harvest of early blueberries underway. Concord grapes berries growing rapidly, drop was heavy. Early peach harvest began.

MINNESOTA: Days suitable for fieldwork 3.0. Topsoil 1% very short, 5% short, 62% adequate, 32% surplus. Corn 92% cultivated, 78% 1997, 63% avg.; 36 in. height, 22 in. 1997, 22 in. avg. Soybeans 67% cultivated, 40% 1997, 35% avg.; 10 in. Height, 8 in. 1997, 8 in. avg. Spring wheat 97% joined, 66% 1997, 82% avg. Oats 98% jointed, 88% 1997, 89% avg.; 2% turning ripe, 0% 1997, 2% avg. Barley 97% jointed, 65% 1997, 81% avg.; 0% turning ripe, 0% 1997, 1% avg. Pasture feed 2% very poor, 3% poor, 24% fair, 60% good, 11% excellent. Sugar beets 0% very poor, 3% poor, 22% fair, 49% good, 25% excellent. Corn grew well in conditions of high humidity, reasonable warmth. Conditions of other crops deteriorated somewhat due to excess rain, wind. Production of baled hay was hindered by poor drying conditions.

MISSISSIPPI: Days suitable for fieldwork 6.9. Soil moisture 31% very short, 52% short, 17% adequate. Corn 82% silked, 52% 1997, 65% avg.; 43% dough, 18% 1997, 24% avg.; 8% very poor, 16% poor, 29% fair, 43% good, 4% excellent. Rice 10% heading, 7% 1997, 4% avg.; 2% poor, 14% fair, 75% good, 9% excellent. Soybeans 98% planted, 89% 1997, 92% avg.; 94% emerged, 80% 1997, 87% avg.; 42% blooming, 17% 1997, 18% avg.; 4% very poor, 10% poor, 33% fair, 47% good, 6% excellent. Peanuts 95% planted, 100% 1997, 100% avg.; 25% pegging, 13% 1997, NA avg.; 4% fair, 62% good, 34% excellent. Sweet potatoes 95% planted, 35% 1997, 74% avg.; 2% poor, 7% fair, 65% good, 26% excellent. Hay 48% harvested (warm season) 34% 1997, 47% avg.; 3% very poor, 16% poor, 32% fair, 44% good, 5% excellent. Peaches 30% harvested, 42% 1997, 42% avg.; 21% poor, 55% fair, 24% good. Wheat 99% harvested, 85% 1997, 69% avg. Watermelons 98% planted, 99% 1997, 100% avg.; 9% poor, 68% fair, 19% good, 4% excellent. Blueberries 10% very poor, 18% poor, 33% fair, 36% good, 3% excellent. Cattle 2% very poor, 10% poor, 32% fair, 49% good, 7% excellent. Pasture feed 8% very poor, 26% poor, 32% fair, 31% good, 3% excellent. Activities: Rain is needed statewide. Soybean farmers are waiting for some much-needed rain before finishing up planting.

MISSOURI: Days suitable for fieldwork 3.8. Topsoil 8% short, 62% adequate, 30% surplus. Crops in many northern localized areas are being stressed by surplus rainfall. However, the State average condition of most crops shows only minor changes. Some northern corn fields are yellowing, have poor stands as a result of excess moisture. Some wheat is deteriorating from disease, loss of test weight due to excess moisture. Some soybean fields, particularly in the northeast, are being replanted due to poor stands. First crop alfalfa cut 91%, 94% 1997, 93% avg.; 2nd cut 31%, 19% 1997, 19% avg. Other hay cut 66%, 60% 1997, 62% avg. Precipitation past week avg 0.77 in., varying from virtually none in southern third of State to over 2 in. in north-central district. Pasture feed 2% poor, 23% fair, 66% good, 9% excellent.

MONTANA: Days suitable for fieldwork 3.9. Topsoil 4% very short, 19% short, 69% adequate, 8% surplus. Subsoil 14% very short, 31% short, 52% adequate, 3% surplus. More precipitation was received across the State. Rains have delayed cutting hay in most areas. Oats boot stage 72%, 71% 1997, 59% avg.; headed 28%, 29% 1997, 18% avg.; 3% very poor, 10% poor, 39% fair, 44% good, 4% excellent. Alfalfa 1st cutting 18%, 29% 1997, 28% avg. Other hay 1st cutting 9%, 23% 1997, 20% avg. Cattle moved to summer ranges 100%, sheep moved 100%.

NEBRASKA: Days suitable for fieldwork 4.8. Topsoil 4% very short, 12% short, 73% adequate, 11% surplus. Subsoil 3% very short, 11% short, 80% adequate, 6% surplus. Temperatures above normal, with rapid crop development. Crops in lower southwestern, south-central counties continue stressed from lack of moisture. Winter wheat 4% very poor, 15% poor, 27% fair, 46% good, 8% excellent; 4% harvested, 0% 1997, 4% avg.; 83% turning color, 71% 1997, 72% avg. Harvest underway in southern counties. Corn 1% very poor, 4% poor, 16% fair, 59% good, 20% excellent; Soybean 1% very poor, 5% poor, 17% fair, 61% good, 16% excellent. Sorghum 1% very poor, 4% poor, 30% fair, 52% good, 13% excellent. Dry bean planting virtually complete; emerged 92%, 92% 1997, 92% avg. Oats 96% headed, 84% 1997; 1% very poor, 9% poor, 13% fair, 53% good, 24% excellent. Alfalfa 1% very poor, 6% poor, 29% fair, 55% good, 9% excellent; 95% 1st cutting, 92% 1997, 94% avg.; poor quality first cutting reported in eastern counties. Wild hay 2% very poor, 5% poor, 20% fair, 52% good, 21% excellent. Pasture feed 2% very poor, 4% poor, 16% fair, 59% good, 19% excellent. Activities: Ditching, setting irrigation pipe, haying, working summer fallow, moving grain to market, livestock care.

NEVADA: Weather conditions returned to a more normal pattern; mostly sunny days with afternoon breezes. Light rain fell across the north early in the week, while the south remained dry. Irrigation water supplies remained plentiful. Hay harvest progressed rapidly, with the mostly dry, sunny weather. First cutting of alfalfa advanced in the north, 2nd cutting was mostly completed in the extreme south. Alfalfa fair to mostly good. Winter wheat, spring wheat, barley crops behind normal progress due to cool weather through the Spring, heading evident on nearly half of the acreage. Potatoes also behind normal in growth. Seasonal calving, lambing complete. Branding, movement of livestock to summer range underway well along. Main farm, ranch activities: Swathing, raking, baling hay, irrigating, weed control, fertilizing, working livestock.

NEW ENGLAND: Days suitable for fieldwork 3.9. Topsoil 1% short, 44% adequate, 55% surplus. Subsoil 1% short, 47% adequate, 52% surplus. Pasture feed 13% fair, 72% good, 15% excellent. Maine potatoes 100% planted, 100% 1997, 100% avg.; 95% emerged, condition good to fair. Massachusetts potatoes 100% planted, 100% 1997, 100% avg.; 100% emerged, condition good. Rhode Island potatoes 100% planted, 100% 1997, 100% avg.; 100% emerged, condition good to fair. Oats in Maine 100% planted, 100% 1997, 100% avg.; 100% emerged, condition good to fair. Barley in Maine 100% planted, 100% 1997; 100% emerged, condition good to fair. Field corn 99% planted, 99% 1997, 99% avg.; 95% emerged, condition good to fair. Sweet corn 95% planted, 95% 1997, 95% avg.; 90% emerged, in condition good. Shade tobacco 100% planted, 100% 1997, 100% avg.; condition good to fair. Broadleaf tobacco 95% planted, 80% 1997, 90% avg.; condition good to fair. First-cut hay 60% harvested, 65% 1997, 65% avg.; condition good to fair. Second-cut hay 10% harvested, <5% 1997, <5% average, with condition good. Apples set average to below average, size average, with condition good to fair. Peaches set average, size average, with condition good. Pears set average, size average, with condition good. Strawberries 80% harvested, 20% 1997, 35% avg.; set average, size average, condition good to fair. Cranberries full bloom to early bloom, set average, condition good to excellent. Highbush blueberries set average to above average, size average to above average, with condition good. Wild blueberries set average to above average, size average, with condition good to excellent. Heavy rains subsided in many areas, allowing farmers to recover, assess water damage. Major farm activities included: Harvesting early-season vegetables such as lettuce, peas, summer squash, zucchini, spraying herbicides, pesticides, applying nitrogen to water-damaged soils.

NEW JERSEY: Days suitable for fieldwork 6. Topsoil short to adequate. Farmers are irrigating, harvesting, planting, spraying for disease, pests. Harvesting of sweet corn has started, while the harvesting of asparagus is complete. Good but declining volume of spring greens, spring spinach, escarole, lettuce (Bib, Boston and Iceberg). Increasing volume of tomatoes, green beans, Italian eggplant. Moderate volume of leeks, parsley, turnips, beets. Good volume of green, yellow squash, cabbage, cucumbers, pickles. Harvesting of snap beans, fava beans occurring. Late-summer vegetables are being planted after the spring crop has been harvested. Peaches, apples are sizing well, with harvesting occurring on early varieties of apples. Good, increasing volume of blueberries reported as the harvest approaches its peak. Harvesting of barley, wheat is increasing. First and second cuttings of hay reported throughout the State. Early-planted field corn should be knee-high by the Fourth of July. Planting of single-crop soybeans is complete. Some early-planted soybeans are 6-8 inches in height. Pastures are in good condition.

NEW MEXICO: Days suitable for fieldwork 6.9. Topsoil dropped sharply; 38% very short, 46% short, 16% adequate. Hot, dry weather prevailed last week. Temperatures averaged a couple of degrees above normal, with a maximum of 0.01 in. of precipitation reported. Winter wheat harvest continued; 77% harvested, 32% 1997, 55% avg.; 7% very poor, 10% poor, 33% fair, 48% good, 2% excellent. Cotton 5%

poor, 34% fair, 31% good, 30% excellent; 51% squaring, 62% 1997, 50% avg. Corn crop was beginning to silk; 2% silked, 2% 1997, 2% avg.; 2% poor, 20% fair, 68% good, 10% excellent. Sorghum planting continued; 61% planted, 97% 1997, 87% avg.; 17% very poor, 37% poor, 36% fair, 10% good. Dry weather provided good conditions for alfalfa harvest, 2nd cutting was 77% complete, 72% 1997; third cutting 20% complete, 19% 1997; 6% poor, 31% fair, 47% good, 16% excellent. Outlook for the chile crop remains optimistic; 23% fair, 50% good, 27% excellent; pod set 96% avg. Onion harvest advanced to 47% complete; condition remained good to excellent. Apples, pecans remained in good condition. Cattle, sheep conditions fell to mostly fair. Dry conditions pushed pasture and range feed condition lower again last week, 13% very poor, 29% poor, 46% fair, 12% good.

NEW YORK: Days suitable for fieldwork 3.7. Soil moisture 5% very short, 12% short, 30% adequate, 53% surplus. Pasture feed 38% fair, 51% good, 11% excellent. Corn planting finished, conditions good. Wheat 5% fair, 80% good, 15% excellent. Storms caused some lodging. Oats heading, condition good. Hay harvest delayed by wetness. First cutting alfalfa 88% complete, 77% 1997, 80% avg. Clo-tim first cutting 80% finished, 66% 1997, 68% avg. Dry beans 93% seeded, 69% 1997, 73% avg. Potato bloom beginning. Early sweet corn being picked. Strawberry harvest past peak. Pea harvest underway. Fruit growers spraying for disease prevention after prolonged wet spell. Sweet cherry harvest active, yielding low.

NORTH CAROLINA: Days suitable for fieldwork 6.0. Soil moisture 11% very short, 40% short, 46% adequate, 3% surplus. A region of high pressure brought hot, humid weather. Warmest weekly weather average, year to date, was observed. Coupled of days with-below-normal precipitation, weather conditions are not favorable for crops, most of the reporting stations are in need of rain. Hot, dry conditions continue to be suitable for small grain, potato harvesting along with soybean planting. Spraying suckers on tobacco along with pest control for all crops continued this week. Other activities included: Harvesting vegetable crops; planting sorghum; transplanting sweet potatoes; tending livestock; repairing equipment. Lack of soil moisture is causing many farmers to begin irrigating tobacco.

NORTH DAKOTA: Days suitable for fieldwork 4. Topsoil 0% very short, 8% short, 77% adequate, 15% surplus. Subsoil 2% very short, 17% short, 68% adequate, 13% surplus. Crop loss due to flooding, drown out, along with lodging of small grains was common in southwest, reported in other eastern, northern areas. Showers throughout the State have helped pasture, hay growth, wet field conditions have hindered haying, spraying, cultivation of row crops. Small grain, late-season crop development remained ahead of average, except durum. Durum wheat 60% jointing, 57% 1997, 53% avg.; 22% boot, 33% 1997, 24% avg.; 6% heading, 10% 1997, 7% avg. Canola 91% rosette, 60% 1997; 53% blooming, 1997 not available. Dry edible beans 6% blooming, 2% 1997, 1% avg. Flaxseed 15% blooming, 7% 1997, 3% avg. Potatoes 18% blooming, 2% 1997, 4% avg. Sunflower 1% blooming, 0% 1997, 0% avg. Durum condition improved, corn, soybeans, dry beans declined. Emerged crop condition: Durum 5% poor, 22% fair, 65% good, 8% excellent; canola 5% poor, 18% fair, 56% good, 21% excellent; corn 1% very poor, 8% poor, 30% fair, 52% good, 9% excellent; dry edible beans 3% poor, 37% fair, 53% good, 7% excellent; flaxseed 1% very poor, 4% poor, 22% fair, 62% good, 11% excellent; potatoes 16% fair, 52% good, 32% excellent; soybeans 4% very poor, 9% poor, 36% fair, 45% good, 6% excellent; sugar beets 1% very poor, 3% poor, 14% fair, 50% good, 32% excellent; sunflower 3% poor, 27% fair, 55% good, 15% excellent. Stock water 1% very short, 8% short, 81% adequate, 10% surplus. Broadleaf, wild oat spraying 86%, 94% complete, respectively. Hay 66% of normal.

OHIO: Days suitable for fieldwork 5.5. Topsoil 2% very short, 11% short, 67% adequate, 20% surplus. Avg corn development stage for the

State was 7 to 8 leaves; 5 to 6 leaves, 1997. Soybeans emerged 4 days ahead of 1997; blooming 6 days ahead of 1997 and avg. Winter wheat 100% turning color, 53% 1997, 73% avg.; 39% ripe, 1% 1997. Oats headed 8 days ahead of the avg.; 12% ripe, 0% 1997; 93% headed, 66% 1997, 67% avg. Alfalfa hay 94% 1st cutting, 86% 1997, 90% avg.; 15% 2nd cutting, 4% 1997, 11% avg. Other hay 86% 1st cutting, 74% 1997, 81% avg.; 8% second cutting, 2% 1997, 6% avg. Tobacco 68% transplanted. Cucumbers planted 90%. Strawberries 96% harvested, 59% 1997, 71% avg. Hay 1% very poor, 6% poor, 27% fair, 53% good, 13% excellent. Activities: Reported farm activities for the week included cutting, raking, baling, rolling hay; preparing machinery for wheat harvest; spraying, cultivating corn, soybeans; applying nitrogen, anhydrous ammonia, manure; some replanting of soybeans; cutting cabbage; setting peppers; planting pumpkins; harvesting vegetables; reporting acreage to FSA offices; selling grain; shearing Christmas trees; harvesting raspberries; cleaning up debris, repairing barns, fences due to severe weather; fertilizing tobacco; vaccinating cattle; attending county fairs. In the southern district, farmers are resetting some tobacco. Crops in the Northwestern district were showing signs of heat stress before the rain on 26th. Reported weeds, insects: giant and common ragweed, Canadian thistles, Johnson grass, foxtail, lambsquarter, yellow nutsedge, weevils in alfalfa, slug damage, European corn borer, potato leafhopper, grasshoppers, cucumber beetles, cutworm. Weeds are rampant virtually statewide due to wet conditions inhibiting spraying. Reported disease problems were fungus in barley; rust, smut, root rot, scab in wheat fields; phytophthora root rot in soybeans; blue mold, target spot in tobacco; early blight on tomatoes. There were still reports of growers replanting corn, soybeans, tobacco due to unfavorable weather conditions and blue mold. Some vegetable crops have been replanted due to flooding, excessive rain. Overall, fruit, vegetable conditions were good except for some fallen fruit due to storms in the Southeastern district. Raspberry crop appears to be very good. Pasture, grass conditions were reported as good to excellent, except for Medina county which was poor due to lack of rain. Southeastern growers were having problems cutting ripe hay due to too much rain. Comments of livestock suffering from heat stress, particularly dairy cattle, were prevalent throughout the State. Face flies are a problem throughout the State as well.

OKLAHOMA: Days suitable for fieldwork 6.3. Topsoil 38% very short, 46% short, 16% adequate. Subsoil 22% very short, 34% short, 44% adequate. Hot, dry weather, gusty winds depleted soil moisture, jeopardized dryland crop production. Wheat 50% plowed, 18% 1997, 34% avg. Oats 87% harvested, 44% 1997, 56% avg.; 35% plowed, 12% 1997, 23% avg. Corn 1% poor, 12% fair, 87% good; 14% tasseled, 9% 1997, 31% avg.; 3% milk-to-soft, 2% 1997, 7% avg. Sorghum 85% up-to-stand, 55% 1997, 69% avg.; 1% headed, 2% 1997, 3% avg. Soybeans 6% poor, 57% fair, 35% good, 2% excellent; 90% planted, 86% 1997, 80% avg.; 73% up-to-stand, 70% 1997, 66% avg.; 7% flowering, 3% 1997, 7% avg. Peanuts 97% up-to-stand, 95% 1997, 89% avg. Cotton 87% up-to-stand, 98% 1997, 93% avg. Alfalfa hay 2% very poor, 3% poor, 37% fair, 48% good, 10% excellent; 83% 2nd cutting, 60% 1997, 65% avg.; 17% 3rd cutting, 9% 1997, 10% avg. Other hay 73% 1st cutting, 64% 1997, 73% avg.; 1% 2nd cutting, 4% 1997, 9% avg. Livestock 3% poor, 37% fair, 51% good, 9% excellent. Feeder cattle prices down \$1.00 to \$1.50 per cwt. from preceding week.

OREGON: Days suitable for fieldwork 6.0. Topsoil 6% short, 91% adequate, 3% surplus. Subsoil 4% short, 93% adequate, 3% surplus. Winter wheat 5% fair, 42% good, 53% excellent. Winter wheat headed 99%, 100% 1997, 99% avg. Range & pasture feed 7% fair, 56% good, 37% excellent. Activities: Rain hampered growers across State, interrupting haying activities and damaging hay already down. Grass for seed swathing started in Willamette Valley. Wheat fields in Willamette Valley and Mid-Columbia started to turn and mint harvest underway in Northeast. Nurseries and greenhouses continued summer routine of repotting, cutting back and fertilizing. Easter lily growers continued to pick buds. Christmas trees look good in Willamette Valley. Survival

good for new plantings. Advance sales look good and growers expect to be sold out early. The Willamette Valley reported vegetables being cultivated and insecticide applications made. Harvesting continued on leafy greens and other fresh market items. Transplants being used to offset planting problems felt in May. Broccoli, cauliflower being transplanted. Cool, wet weather holding back plant growth and early sweet corn showing signs of too much rain. In Northeast, harvest of chipping potatoes started. Malheur County reported onion crop behind normal development. In Willamette Valley, strawberries nearing completion, raspberry harvest began, marion variety of blackberries ripening and evergreen blackberries in full bloom. Some poor pollination evident in raspberries. Filberts and walnuts sizing. Rogue River Valley tree fruits have good set. Fruit and vineyards being sprayed. South coast cranberries blooming and cranberry girdler moths at peak flight. Hood River Valley hand-thinning continued on pears and apples. In Mid-Columbia Basin, cool weather caused cherries to ripen slowly. Fresh cherry harvest in full swing and the cherries were undamaged by the storm that went through early in week. Livestock in excellent to good condition. Range and pasture condition mostly good, with some areas still excellent. Seasonal drying and browning began in Rogue River Valley. Conditions in the northeast only fair to good. Fire danger high in tall grass areas and dry cows being sold in northeast. Sheep being shorn on south coast.

PENNSYLVANIA: Days suitable for fieldwork 4.4. Soil moisture 3% short, 83% adequate, 14% surplus. Fair week for fieldwork. Corn height 18 in., 16 in. 1997, 18 in. avg. Tobacco transplanted 95% complete, 92% 1997, 95% avg. Barley 88% ripe, 63% 1997, 57% avg.; 70% harvested, 31% 1997, 30% avg. Wheat 82% turning yellow, 60% 1997, 61% avg.; 22% ripe, 4% 1997, 9% avg. Oats 80% heading or headed, 63% 1997, 63% avg.; 7% turning yellow, 9% 1997, 8% avg. Alfalfa 1st cutting 88% complete, 81% 1997, 83% avg. Timothy clover 1st cutting 61% complete, 59% 1997, 64% avg. Quality of hay made 2% very poor, 18% poor, 40% fair, 37% good, 3% excellent. Peach 20% fair, 60% good, 20% excellent. Apple 2% very poor, 10% poor, 26% fair, 55% good, 7% excellent. Activities: Planting, spraying field crops; cutting hay; making haylage, green chop; harvesting small grains; transplanting tobacco; machinery maintenance; hauling manure; caring for livestock.

SOUTH CAROLINA: Days suitable for fieldwork 6.3. Soil moisture 14% very short, 52% short, 34% adequate. Apples 21% poor, 45% fair, 34% good. Barley 100% ripe, 100% 1997, 98% avg.; 99% harvested, 94% 1997, 87% avg.; 25% fair, 60% good, 15% excellent. Cantaloupes 58% harvested, 45% 1997, 46% avg.; 20% poor, 60% fair, 18% good, 2% excellent. Cucumbers 76% harvested, 59% 1997, 65% avg.; 9% very poor, 14% poor, 31% fair, 44% good, 2% excellent. Oats 100% ripe, 99% 1997, 99% avg.; 99% harvested, 96% 1997, 93% avg.; 1% very poor, 6% poor, 31% fair, 51% good, 11% excellent. Peaches 27% harvested, 37% 1997, 29% avg.; 2% very poor, 5% poor, 17% fair 60% good, 16% excellent. Rye 100% ripe, 100% 1997, 99% avg.; 95% harvested, 96% 1997, 88% avg.; 2% poor, 23% fair, 71% good, 4% excellent. Snapbeans 63% harvested, 49% 1997, 37% avg.; 8% very poor, 15% poor, 27% fair, 42% good, 8% excellent. Sorghum 86% planted, 85% 1997, 80% avg.; 2% fair, 56% good, 42% excellent. Sweet potatoes 6% poor, 56% fair, 38% good. Tobacco 42% topped, 48% 1997, 51% avg.; 2% very poor, 9% poor, 32% fair, 55% good, 2% excellent. Watermelons 40% harvested, 34% 1997, 40% avg.; 11% very poor, 17% poor, 48% fair, 21% good, 3% excellent. Winter wheat 100% ripe, 88% 1997, 97% avg.; 99% harvested, 73% 1997, 89% avg.; 2% very poor, 26% poor, 36% fair, 30% good, 6% excellent. Cotton condition declined, still fair to mostly good. Moisture needed before remaining soybean acreage can be planted.

SOUTH DAKOTA: Days suitable for fieldwork 3.9. Topsoil 8% short, 65% adequate, 27% surplus. Subsoil 5% short, 66% adequate, 29% surplus. Warm weather bringing small grain, row-crop development along rapidly. Winter wheat 96% headed, 92% 1997, 93% avg.; 49%

turning color, 9% 1997, 22% avg.; 7% ripe, 1% avg. Winter rye 100% headed, 90% 1997, 95% avg.; 47% turning color, 19% 1997, 16% avg.; 5% ripe, 4% avg. Spring wheat 92% boot, 72% 1997, 74% avg. Spring wheat 32% turning color, 3% avg. Oats 87% boot, 68% 1997, 72% avg.; 8% turning color, 3% avg. Barley 92% boot, 78% 1997, 70% avg.; 37% turning color, 1% 1997, 2% avg. Sunflower 95% seeded, 93% 1997, 94% avg. Alfalfa 2% very poor, 13% poor, 30% fair, 44% good, 11% excellent; 73% cut, 71% 1997, 67% avg.; being harvested early due to weevil infestation. Corn 75% cultivated once, 64% 1997, 56% avg.; 29% cultivated twice, 14% 1997, 14% avg.; avg 20 in. tall, 15 in. 1997, 15 in. average. Livestock 5% fair, 65% good, 30% excellent. Stock water 2% short, 74% adequate, 24% surplus.

TENNESSEE: Days suitable for fieldwork 5.0. Topsoil 2% very short, 18% short, 71% adequate, 9% surplus. Subsoil 1% very short, 13% short, 75% adequate, 11% surplus. Corn 48% tasseling, 10% 1997, 30% avg.; 5% poor, 21% fair, 54% good, 20% excellent. Tobacco 87% transplanted, 80% 1997, 94% avg.; 6% poor, 41% fair, 48% good, 5% excellent. Wheat 90% harvested, 46% 1997, 72% avg. Other hay 96% first cutting completed; 1% very poor, 4% poor, 25% fair, 57% adequate, 13% excellent. Pasture feed 4% poor, 24% fair, 56% good, 16% excellent. Last week's weather slowed down blue mold, other tobacco diseases associated with excess moisture. Favorable weather conditions allowed wheat harvest to reach 90%. Corn growth responded well, with nearly 50% of the crop tasseling, some early-planted fields filling ears. Hay producers took advantage of dry conditions, practically wrapped up the first cutting. Fresh market snapbean harvest began in Cumberland County last week.

TEXAS: Hot, dry, windy weather conditions continued to stress crops in most areas. Dryland crops desperately need moisture to survive. Planting activities neared completion for most crops and remaining acreage may be lost if there is no precipitation. Haying operations were minimal due to deteriorating conditions. Livestock were in fair conditions, with the help of supplemental feeding. Range and pastures continued to decline in quality and quantity.

Field Crops: Corn: Fields in plains were in good conditions with irrigation. Pollination may be a problem in some areas due to hot, dry winds. Corn in the Blacklands was beginning to dry-down, may be too dry for silage. Haying, silage will be attempted in some area, however. Considerable acreage may be claimed a disaster. Harvesting will commence soon in south Texas, Rio Grande Valley where fields are ready; 28% dented, 6% 1997, 15 avg. Cotton: irrigated fields in Plains are holding on under hot, dry conditions. Dryland cotton desperately needs moisture or will be a total loss. Some producers have cut off planting and have given up any hopes of immediate rainfall. Blacklands, central fields are in peak bloom and forming small bolls. Plants made very little progress in the Coastal Bend and along the Upper Coast; 20% setting bolls, 8% 1997, 14% avg.; 3% open bolls, 0% 1997, 1% avg. Grain sorghum: Planting continued for dryland acreage in the Plains, north-central but needs rain badly. Blackland fields continued to mature, but poor stands exist in some areas. Some fields in the Coastal Bend and Rio Valley Grande had signs of heat stress that will affect the yield. Grain sorghum 48% normal compared 89% last year; 48% headed, 40% 1997, 54% avg.; 36% turning color, 17% 1997, 32% avg. 19% mature, 2% 1997, 13% avg. Peanuts: Irrigated plants continued to peg in the Plains. Peanuts were growing very well, where sufficient water was available. Most drylands fields were sprouting on very little moisture but were drying out quickly. Rice was making normal progress. It remains to be seen if the hot weather will cause blank heads. Insects were causing some problems. Heavy water demands continued, but some fields may be drained next week. Small grains: Harvest continued to progress in the Plains. Other Crops: Sunflowers 80% planted, 68% 1997, 78% avg. Oats 80% harvested, 81% 1997, 72% avg.

Commercial Vegetables: Rio Grande Valley, harvest neared completion. Land preparation began for the Fall. San Antonio-Winter Garden, area non-irrigated vegetables were doing well. Harvesting of pickles and land preparations for fall crops began. East, sweet potatoes

vines were slow to run due to lack of moisture. Some fields showed signs of insect pressure. Some producers were making plans for fall gardens. High Plains irrigation was very active due to heat. Trans Pecos, cantaloup harvest continued and the crop looks excellent. Some peppers were being set out. Peaches: Harvest was in full swing in the east and the Hill Country. Quality was good, but the fruit size was small. Pecans: Trees were stressed due to heat. In the Plains, nut sets were good, filling out. In most other areas, development continued with poor nut set.

Range and Livestock: Range and pasture were in very poor conditions. Rainfall was virtually nonexistent, resulting in no growth and dry forage residue. Range conditions continued to be in a drought status, with producers continuing to decrease stocking rate. Supplemental feeding continued. Cattle were moved to pastures with available water supplies.

UTAH: Days suitable for fieldwork 7. Topsoil 8% short, 88% adequate, 4% surplus. Subsoil 8% short, 90% adequate, 2% surplus. Pasture feed, range 11% fair, 72% good, 17% excellent. Irrigation water supplies 1% short, 89% adequate, 10% surplus. Stock water supplies 7% short, 89% adequate, 4% surplus. Winter wheat headed 92%, 99% 1997, 94% avg. Spring wheat headed 65%. Oats headed 44%. Corn: emerged 100%; height 11 in., 20 in. 1997, 17 in. avg. Alfalfa hay 1st cutting 84%, 86% 1997, 88% avg. Barley headed 56%. Other hay cut 25%, 35% 1997, 32% avg. Sheep moved to summer range 91%, 99% 1997, 91% avg. Cattle/calves moved to summer range 97%, 99% 1997, 97% avg. Apricot and sweet cherry harvest started.

VIRGINIA: Days suitable for fieldwork 5.4. Topsoil 18% short, 72% adequate, 10% surplus. Subsoil 9% short, 83% adequate, 8% surplus. Corn 99% planted, 99% 1997, 100% avg.; 95% emerged; 1% poor, 20% fair, 59% good, 20% excellent. Cotton squaring 35%; 13% fair, 67% good, 20% excellent. Soybeans 72% planted, 61% 1997, 66% avg.; 63% emerged; 5% poor, 14% fair, 63% good, 18% excellent. Flue-cured tobacco 14% fair, 37% good, 49% excellent. Dark fire cured tobacco 3% fair, 68% good, 29% excellent. Burley tobacco 96% transplanted, 97% 1997, 96% avg.; 3% very poor, 4% poor, 16% fair, 66% good, 11% excellent. Sun tobacco 1% fair, 97% good, 2% excellent. Winter wheat 45% harvested, 36% 1997, 38% avg.; 1% very poor, 12% poor, 37% fair, 42% good, 8% excellent. Barley 85% harvested, 72% 1997, 77% avg.; 1% very poor, 14% poor, 35% fair, 45% good, 5% excellent. Summer potatoes 23% fair, 61% good, 16% excellent. Apples 5% poor, 15% fair, 65% good, 15% excellent. Peaches 20% fair, 75% good, 5% excellent. Pasture feed 5% poor, 23% fair, 60% good, 12% excellent. Alfalfa 3% poor, 18% fair, 63% good, 16% excellent. Other hay 6% poor, 20% fair, 61% good, 13% excellent. Last week brought back hot, dry weather to many localities in the State. Showers in some areas received over the weekend helped to reduce the likelihood of stress to crops. Some areas, particularly in the western part of the State, received slight, moderate crop damage due to intense thunderstorms. Corn, soybean crops remained in good, excellent condition, while small grain producers continued to be plagued by lodging, scab, other grain head diseases. Small grain producers have also been disappointed by low-quality, test weights, prices. Leafhoppers have caused damage in isolated alfalfa fields. Blue mold was still a problem in burley fields, does not appear quite as bad as earlier indicated. Other farming activities included vegetable cultivation, harvesting, herbicide, insecticide application, small grain harvesting, haymaking.

WASHINGTON: Days suitable for fieldwork 6.3. Topsoil 2% very short, 15% short; 73% adequate, 10% surplus. Subsoil 20% short, 79% adequate, 1% surplus. Winter wheat dryland 3% poor, 17% fair, 65% good, 15% excellent; irrigated 100% good. Spring wheat 95% headed, 77% 1997, 74% avg.; dryland 34% fair, 53% good, 13% excellent; irrigated 99% good, 1% excellent. Barley 95% headed, 87% 1997, 82% avg.; dryland, 32% fair, 56% good, 12% excellent; irrigated 97% good, 3% excellent. Potatoes 3% fair, 97% good. Conditions were excellent for crop growth, development. Stripe rust continued to be

found in both winter, spring cereal grains. Winter wheat continued to ripen, harvest is expected within 2 weeks in some areas. Late blight was identified in some potato fields in central regions. Hay, other roughage supplies, 4% short, 63% adequate, 33% surplus. Hay production continued, some hay was ruined from heavy rains. Range, pasture, 8% poor, 20% fair, 52% good, 20% excellent. Pastures benefited from scattered rain, looked very good across the State. Cherry harvest progressed at full speed, raspberry harvest was underway, with very good-quality berries, strawberry harvest continued with mid-week rain showers not effecting berry quality. Cool, wet weather slowed sweet corn growth in western areas, vegetable growers were cultivating fields between rain showers. Green pea harvest continued, with very good yields reported. Christmas tree growers applied fungicides, insecticides on Nobel fir trees.

WEST VIRGINIA: Days suitable for fieldwork 2.0. Topsoil 49% adequate, 51% surplus. Wheat 52% fair, 34% good, 14% excellent; wheat headed 94%, 99% 1997, 94%; harvested 4%. Apple 15% poor, 66% fair, 10% good, 8% excellent. Peach 16% poor, 66% fair, 18% good. Hay 8% poor, 23% fair, 60% good, 9% excellent; hay 1st cut 61%, 50% 1997, 60% avg. Corn 2% poor, 41% fair, 52% good, 5% excellent; planted 92%, 99% 1997, 97% avg. Oats 9% poor, 36% fair, 54% good, 1% excellent; emerged 95%, 97% 1997, 98% avg.; headed 45%, 64% 1997. Soybean 35% fair, 64% good, 1% excellent; soybeans planted 77%, 92% 1997, 87% avg. Tobacco 14% poor, 36% fair, 50% good; transplanted 68%, 81% 1997, 90% avg. Cattle 3% poor, 16% fair, 74% good, 7% excellent. Sheep 3% poor, 9% fair, 86% good, 2% excellent.

WISCONSIN: Days suitable for fieldwork 4.1. Soil moisture 4% short, 69% adequate, 27% surplus. Soybean 1% very poor, 3% poor, 17% fair, 56% good, 23% excellent. With high temperatures in the 90's, plenty of rain, corn, soybeans grew rapidly this past week. Some corn was too tall to cultivate according to an Eau Claire County reporter. However, strong storms across the State have flattened some corn, but reporters state that it will recover. A Kenosha County reporter noted that corn remained uneven, ranging from 6-30 inches tall. An Adams County reporter indicated that humidity and rain have caused increased incidences of bacterial blight in soybeans. Second-crop hay harvested reached 10% complete, which is not normally obtained until mid-July. A Brown County reporter indicated excellent quality of second-crop haylage. First-crop hay harvest is nearing the end with 92% complete, compared with 83% 1997, 73% avg. Rains, humidity across the State hindered drying, so some farmers chopped what was still in the field. Wheat continued to turn color across the State. Oats and peas are being harvested for silage. A Kewaunee County reporter noted that cherries will be ready soon, and a Sauk County reporter said they were picking a great crop of cherries. A Dane County reporter stated that the tobacco looks excellent. Winter wheat 2% poor, 9% fair, 66% good, 23% excellent. Pasture feed 3% poor, 15% fair, 60% good, 22% excellent.

WYOMING: Days suitable for fieldwork 6.3. Topsoil 1% very short, 18% short, 81% adequate. Winter wheat mostly good; headed 98%, 97% 1997, 94% avg.; turning color 44%, 45% 1997, 32% avg. Barley mostly good; boot 86%, 83% 1997, 81% avg.; headed 59%, 66% 1997, 56% avg.; turning color 8%, 3% 1997, 5% avg. Oats mostly good; boot 77%, 70% 1997, 64% avg.; headed 46%, 29% 1997, 28% avg., turning color 2%, 2% 1997, 3% avg. Spring wheat mostly good; boot 89%, 79% 1997, 66% avg.; headed 54%, 45% 1997, 37% avg.; turning color 15%, 5% 1997, 5% avg. Sugar beets mostly good; thinned 85%, 94% 1997, 88% avg. Corn mostly good; avg. height 14 in., 22 in. 1997, 16 in. avg. Dry beans emerged 98%, 99% 1997, 89% avg.; bloom 1%, 2% 1997, 0% avg. Alfalfa 1st cutting 30%, 38% 1997, 38% avg. Other hay cut 12%, 13% 1997, 14% avg. Warm, sunny week good for haying, crop growth. Additional precipitation with less wind needed to keep adequate soil moisture.

International Weather and Crop Summary

June 21 - 27, 1998

HIGHLIGHTS

FSU-WESTERN: Cooler weather brought relief from oppressive heat in Russia, but chronic dryness persisted in crop areas of the Volga Valley.

FSU-NEW LANDS: Hot, dry weather continued to reduce moisture reserves in western areas, increasing stress on spring grains in the vegetative stage.

EUROPE: Scattered showers along with a cooling trend favored crops in northern Europe, while hot, dry weather prevailed across crop areas in the south.

AUSTRALIA: Widespread rain favored winter grain establishment in New South Wales.

CANADA: Soaking rain at week's end brought relief to Prairie grains and oilseeds previously stressed by warm, dry weather.

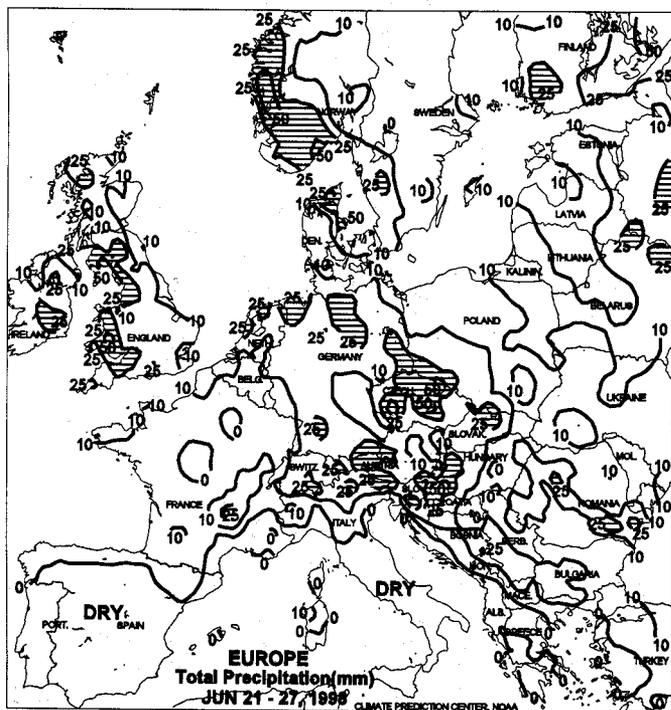
SOUTH ASIA: Monsoonal showers followed unseasonable heat in central India, increasing topsoil moisture for summer crop planting.

SOUTHEAST ASIA: Widespread showers covered most of Thailand, bringing relief to rainfed grains and sugarcane.

EASTERN ASIA: Very heavy showers exacerbated flooding across portions of southern China and the Yangtze Valley, further disrupting rice planting and harvesting.

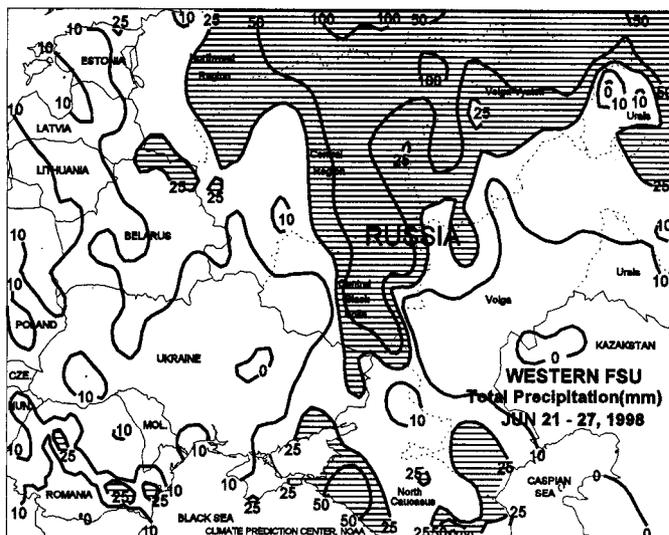
SOUTH AMERICA: Persistent rain continued to slow winter wheat planting in southern Brazil and cotton harvesting in northern Argentina.

MEXICO: Dry, warm weather stressed corn in the southern Plateau Corn Belt and pastures in the north. Rain was limited to southern Mexico.



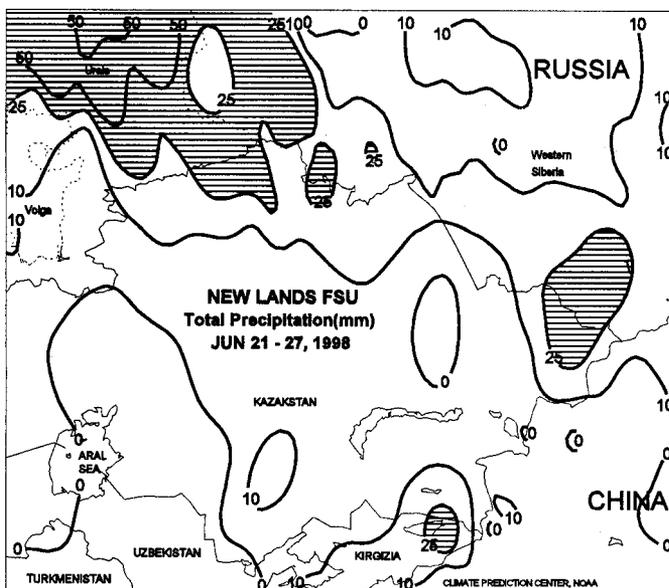
EUROPE

Light showers (4-25 mm) were accompanied by a cooling trend in northern Europe, favoring winter grains in the filling stage and spring grains advancing through reproduction. Hot, dry weather prevailed across southern Europe, helping winter grain harvesting and promoting rapid growth of summer crops. Maximum temperatures rose into the middle to upper 30's degrees C in Spain, Italy, and Greece, increasing crop-water requirements. In eastern Europe, widespread light showers (10-25 mm) fell from the Czech Republic and Slovakia southeastward through Hungary into western Romania, benefiting immature winter grains and spring-sown crops. Weekly temperatures averaged near normal in northern Europe and 2 to 4 degrees C above normal in southern Europe.



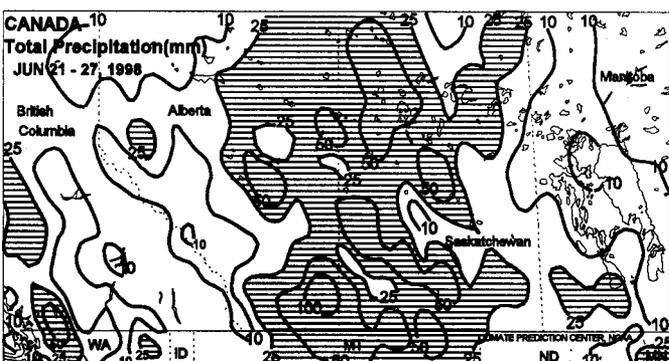
FSU-WESTERN

A slow-moving cold front edged eastward during the week, bringing much cooler weather and some rain to heat-stressed crops in Russia and eastern Ukraine. Greatest amounts of rain (25-50 mm) fell in a band that stretched southward from the eastern portion of the Central Region through the eastern Black Soils Region into the extreme eastern tip of Ukraine. Lesser amounts of rain (10-25 mm) fell in the western portion of the Central Region, the Volga Vyatsk, the western Black Soils Region, and the southern portion of the North Caucasus. Little if any precipitation fell in parched areas of the northern North Caucasus and the Volga Valley. Early in the week, maximum temperatures ranged from 30 to 40 degrees C, but fell from 15 to 28 degrees C after the passage of the cold front. Although the rain and cooler weather came too late to improve prospects for winter grains, conditions stabilized for spring grains and summer crops (corn, sunflowers, and sugar beets). Elsewhere, light to moderate showers (5-20 mm) benefited crops in the Baltics and Belarus. Mostly dry weather continued in Moldova and the southern and central Ukraine. The dryness in the southern Ukraine favored early-winter wheat harvesting, typically just beginning in the region.



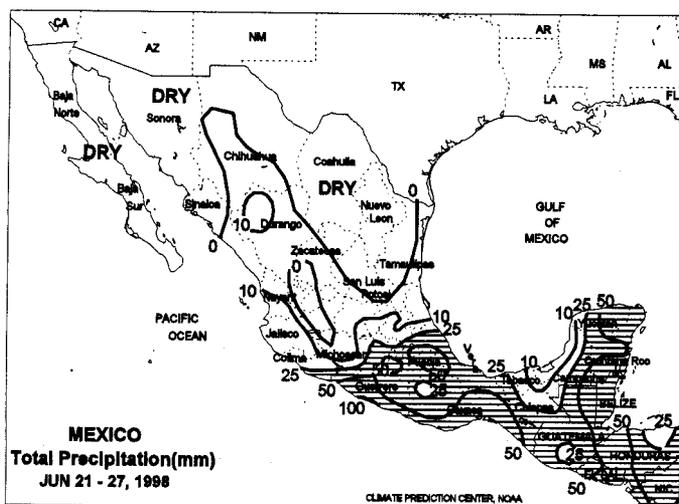
FSU-NEW LANDS

Hot, dry weather continued in the southern Urals, Russia, and minor spring grain-producing areas in western Kazakstan. Maximum temperatures ranged from 33 to 40 degrees C, stressing spring grains in the vegetative stage. The hot weather in these areas continued to cause rapid drying, depleting moisture reserves. At week's end, a cold front pushed through these areas, bringing cooler weather but little if any precipitation. Rain is needed to prevent a worsening of crop conditions. Elsewhere, widespread showers (10-25 mm, with local amounts in excess of 40 mm) spread eastward from the northern Urals through northern Kazakstan and southern areas in Western Siberia, favoring spring grain development. Weekly temperatures averaged 2 to 5 degrees C above normal in these areas, slowing crop growth. In cotton-producing areas of Central Asia, above-normal temperatures (30-44 degrees C) promoted rapid cotton development and increased irrigation requirements.



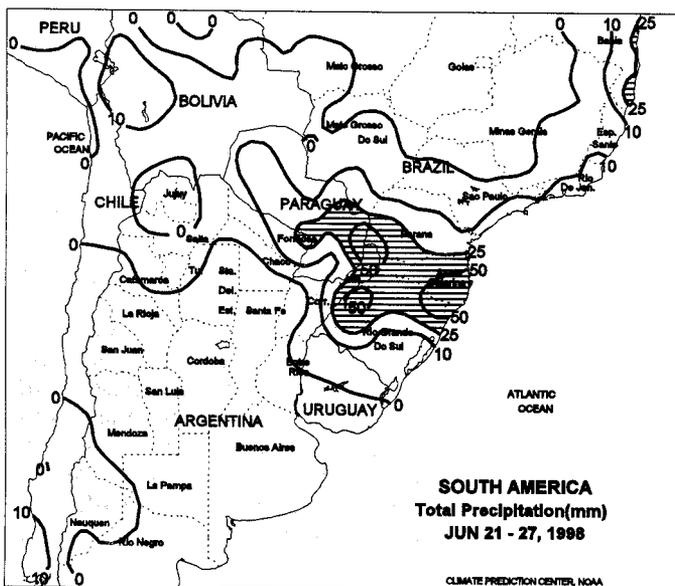
CANADA

Widespread soaking rain (25-50 mm or more) fell in Alberta, Saskatchewan, and Manitoba at week's end, boosting soil moisture for vegetative to reproductive spring grains and oilseeds. The rain brought much-needed relief to crops trending dry in eastern Alberta and western Saskatchewan. Cooler weather also accompanied the rain in these areas, bringing relief from temperatures that had approached 30 degrees C earlier in the week. In eastern Canada, above-normal temperatures (4-6 degrees C above normal) placed high moisture demands on corn and soybeans. Moderate to heavy rain (10-50 mm or more) covered Ontario's northern producing districts, but unfavorable dryness continued in the south, and drier conditions returned to Quebec.



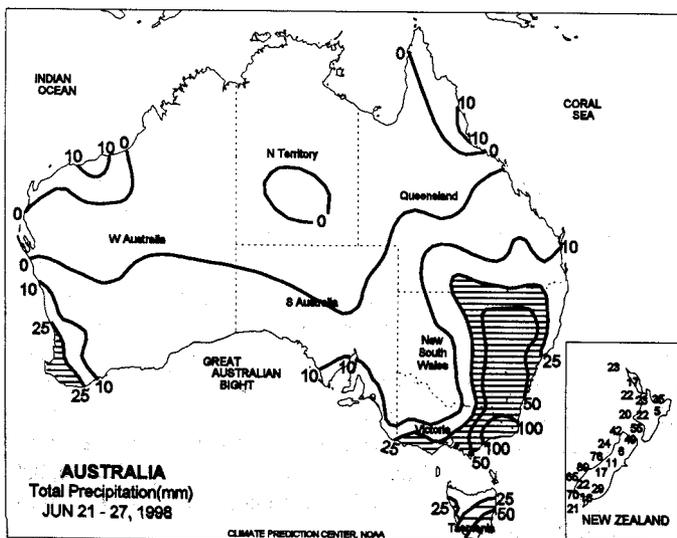
MEXICO

Warm, dry weather slowed corn planting and stressed already planted corn across the Southern Plateau Corn Belt. The main area of showers (10-70 mm) were confined to southern Mexico. Only portions of the eastern corn belt received significant rain (40-60 mm). Hot, dry weather continued to stress pastures and livestock in the north.



SOUTH AMERICA

In southern Brazil, persistent rain (20-55 mm) continued to impede winter wheat planting in Rio Grande do Sul. Farther north in Parana, rain (5-20 mm) favored germinating to vegetative wheat. Warm, dry weather continued to favor coffee maturation and harvesting in Minas Gerais and northern Sao Paulo. Temperatures averaged 2 to 4 degrees C above normal in these two states. In northern Argentina, light to moderate rain (5-40 mm) again slowed cotton harvesting, where progress remains well behind last year's pace. Dry weather favored summer crop harvesting and winter wheat planting in central Argentina. Reports indicated that winter wheat planting was over 30 percent complete.

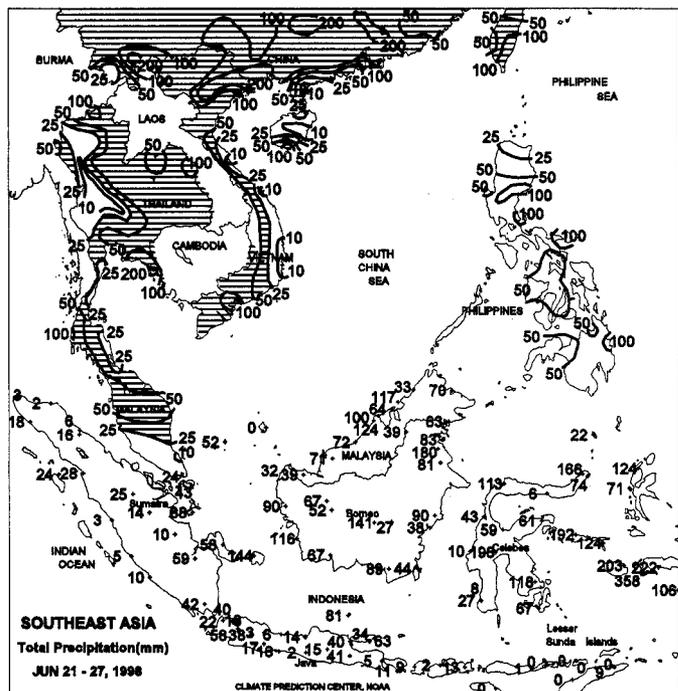


AUSTRALIA

Moderate to heavy rain (25-50 mm or more) benefited winter grain establishment over much of New South Wales, including the Darling Downs area. More moderate showers (10-25 mm) lingered over wheat and barley areas of Queensland, and covered the western grazing lands of Queensland and New South Wales. Rainfall was mostly light in the southeastern (South Australia and Victoria) and western winter grain belts. Temperatures averaged near to below normal in the primary wheat and barley areas, with pockets of frost and freezing temperatures confined to southern Queensland and Western Australia. In New Zealand, rainfall was light to moderate (25 mm or less) in the main agricultural areas.

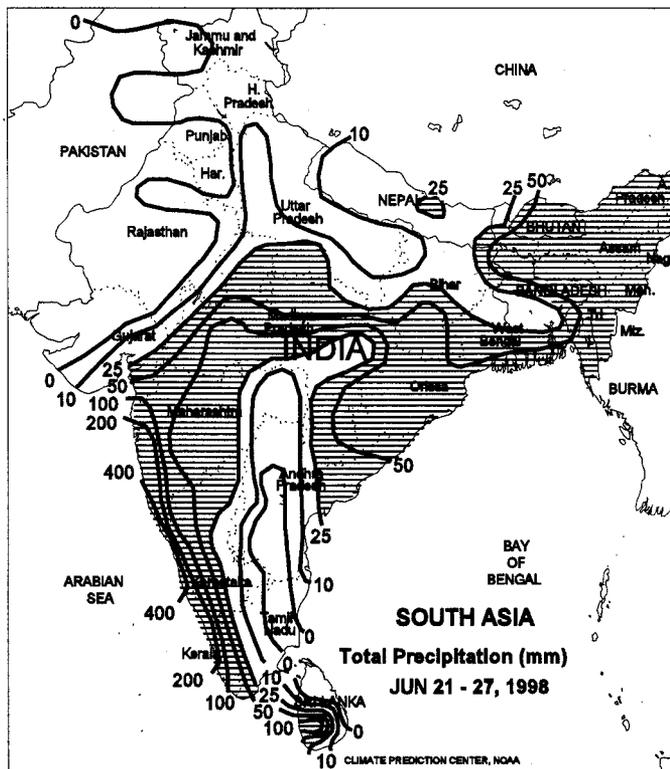
SOUTHEAST ASIA

Showers (20-80 mm) covered most of Thailand, bringing relief to rainfed grains and sugarcane. The moisture helped offset unusually warm temperatures (2-4 degrees C above normal). Only western Thailand received lighter showers (less than 20 mm). Showers (20-100 mm) benefited rainfed crops and boosted irrigation supplies across Vietnam, the Philippines, and peninsular Malaysia. In Java, showers (10-50 mm) boosted irrigation supplies for second-season crops.



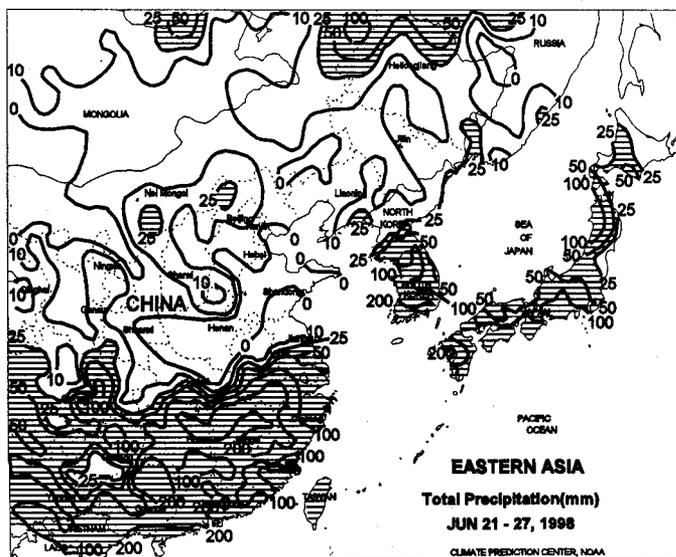
SOUTH ASIA

Showers followed unseasonable heat in sections of west-central India (Maharashtra and Madhya Pradesh), with rainfall ranging from 25 to more than 50 mm. Some planting activities were likely underway in response to rain in these important grain, oilseed, and cotton areas within the past 2 weeks. However, consistent rains and seasonable temperatures will be needed in upcoming weeks to ensure proper crop development. Monsoonal rains (25-50 mm) also extended as far north as Gujarat, an important cotton and groundnut producer, and into northern soybean areas of western Madhya Pradesh. Farther east, moderate to heavy rain (25-50 mm or more, locally exceeding 100 mm) continued over primary rainfed areas of east-central India, as well as the predominantly irrigated rice region of Bangladesh and the eastern states. Seasonably heavy showers (200 mm or more) also continued along the southwest coast, keeping rice well watered.



EASTERN ASIA

Very heavy showers (200-350 mm) again occurred in portions of the Yangtze Valley and southern China, exacerbating flooding and disrupting early-rice harvesting and late-rice planting. The region of heavy showers extended from northern Guangxi northeastward to southern Anhui and Zhejiang. Elsewhere across southern China, moderate to heavy showers (50-150 mm) maintained rice irrigation supplies. In the North China Plain, mostly dry weather reduced moisture supplies for rainfed corn, soybeans, and cotton. The dry weather favored late winter wheat harvesting. Typically during late-June, rainfall averages 25 mm per week across the region. Rain (5-25 mm) aided spring wheat and summer crops in Manchuria. Widespread rain maintained moisture for rainfed and irrigated crops across the Korean Peninsula and Japan. The heaviest rain (greater than 200 mm) likely caused flooding in southern South Korea and the southern Japanese island of Kyushu.



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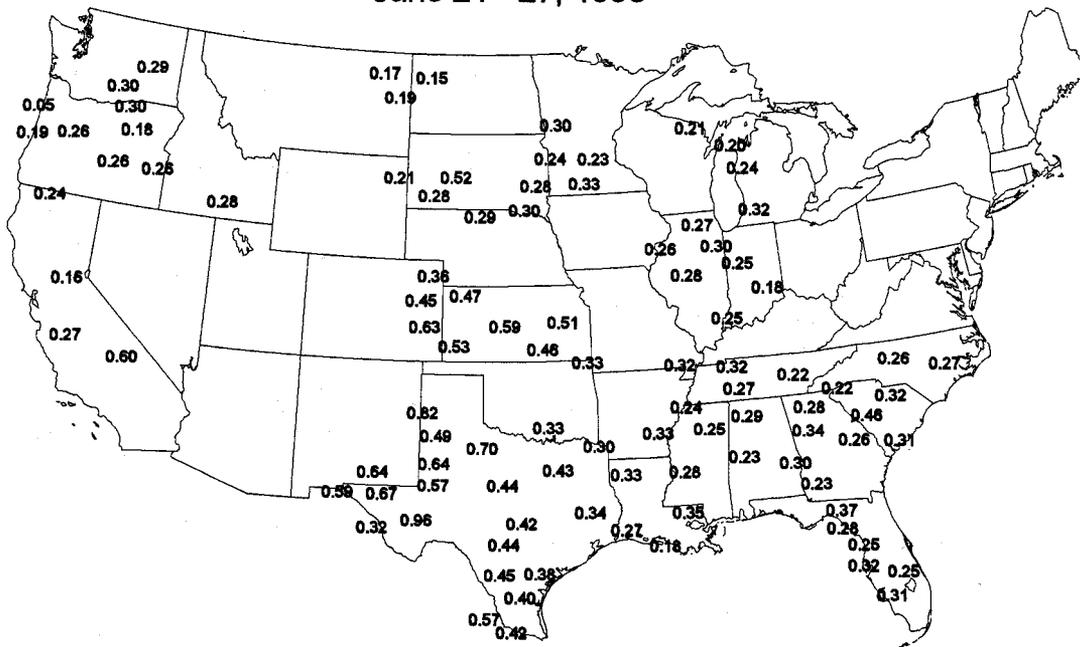
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National Oceanic and Atmospheric Administration
 National Weather Service/Climate Prediction Center
 Managing Editor (Acting) **A. James Miller**
 Meteorologists **David Miskus**
 **Jeff Savadel, Brian Morris, and James Brotherton**
 Special Requests (202) 720-7917
 Subscriptions **John Kopman** (301) 763-8227, ext. 7534
 fax: (301) 763-8125

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Average Pan Evaporation (Inches/Day)
 June 21 - 27, 1998



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
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