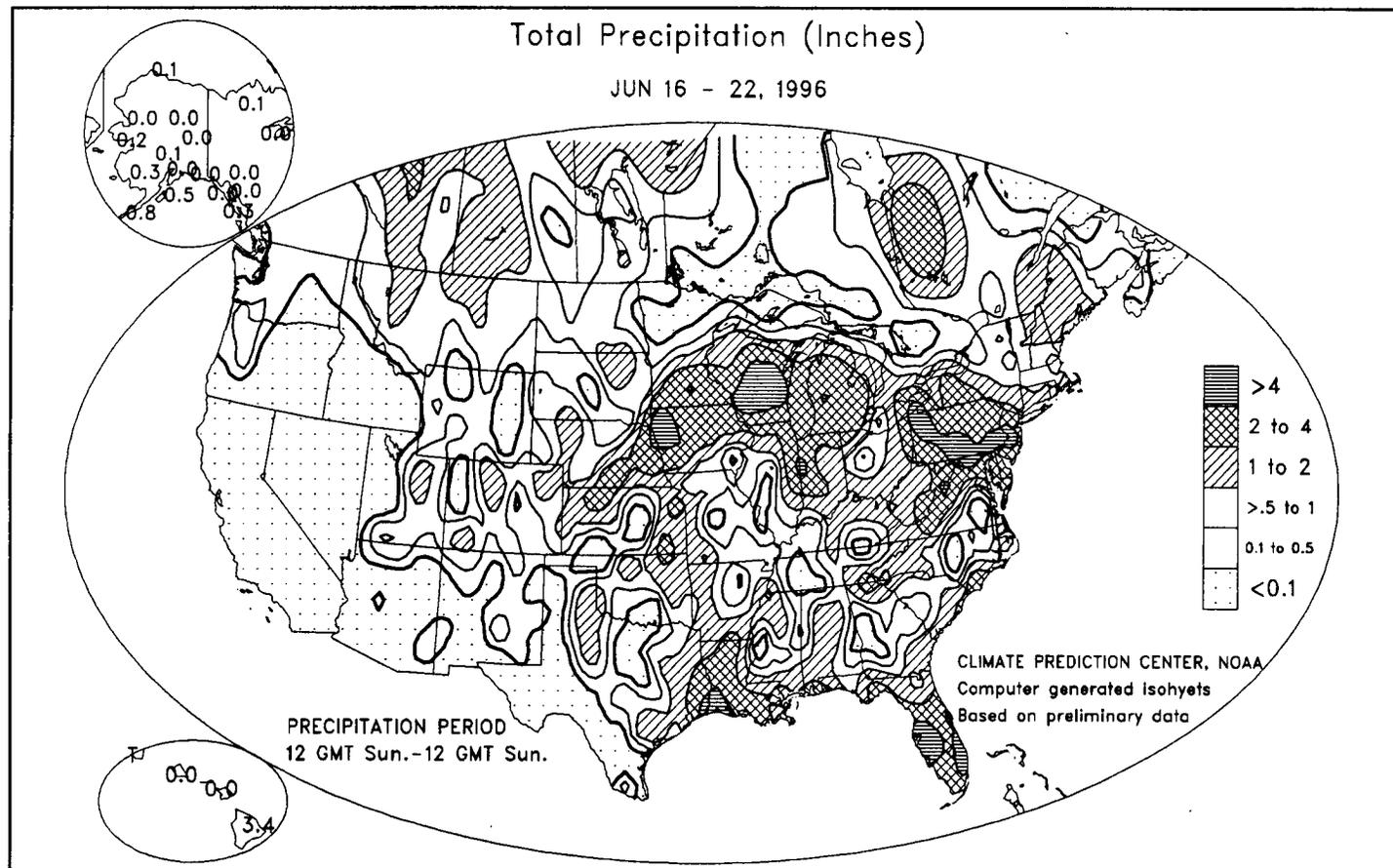


WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service
and World Agricultural Outlook Board



HIGHLIGHTS

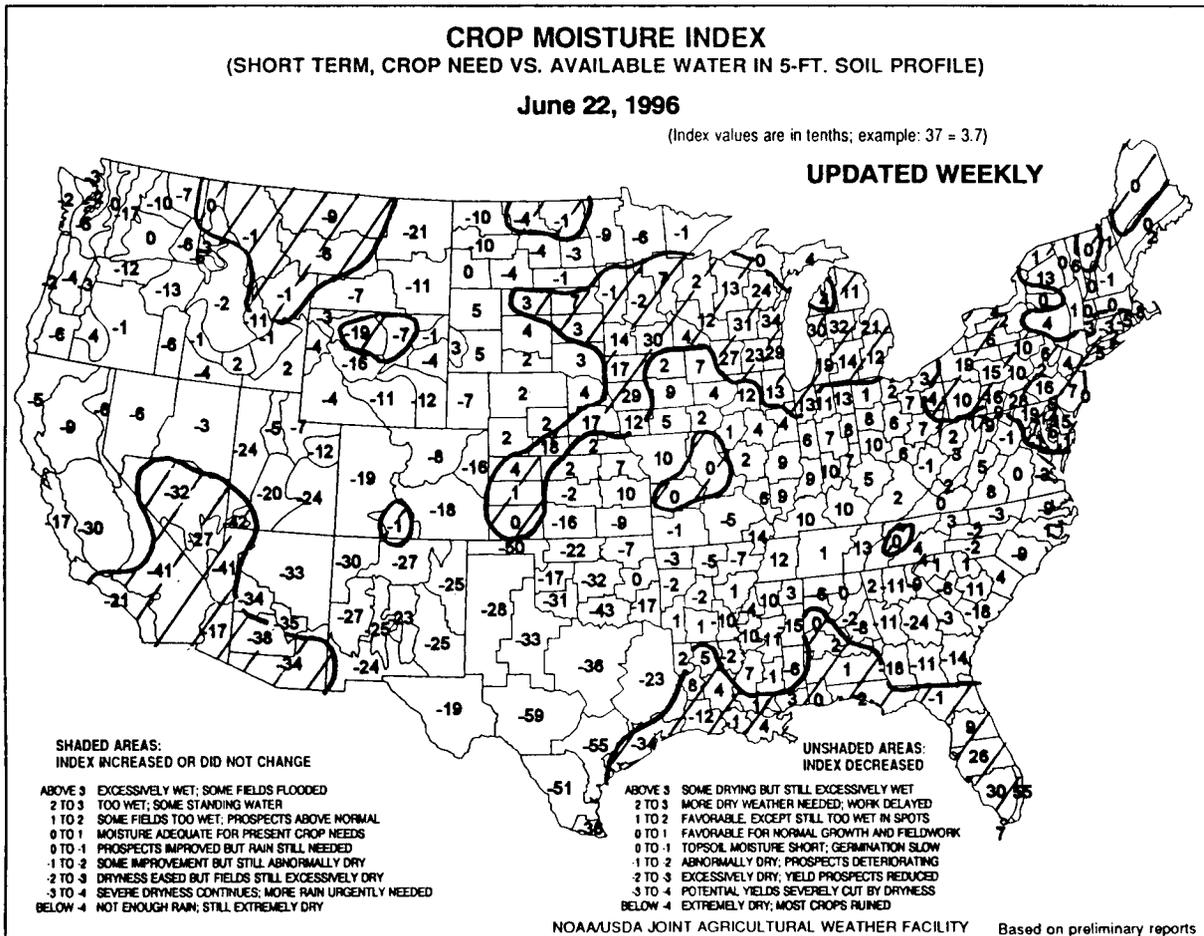
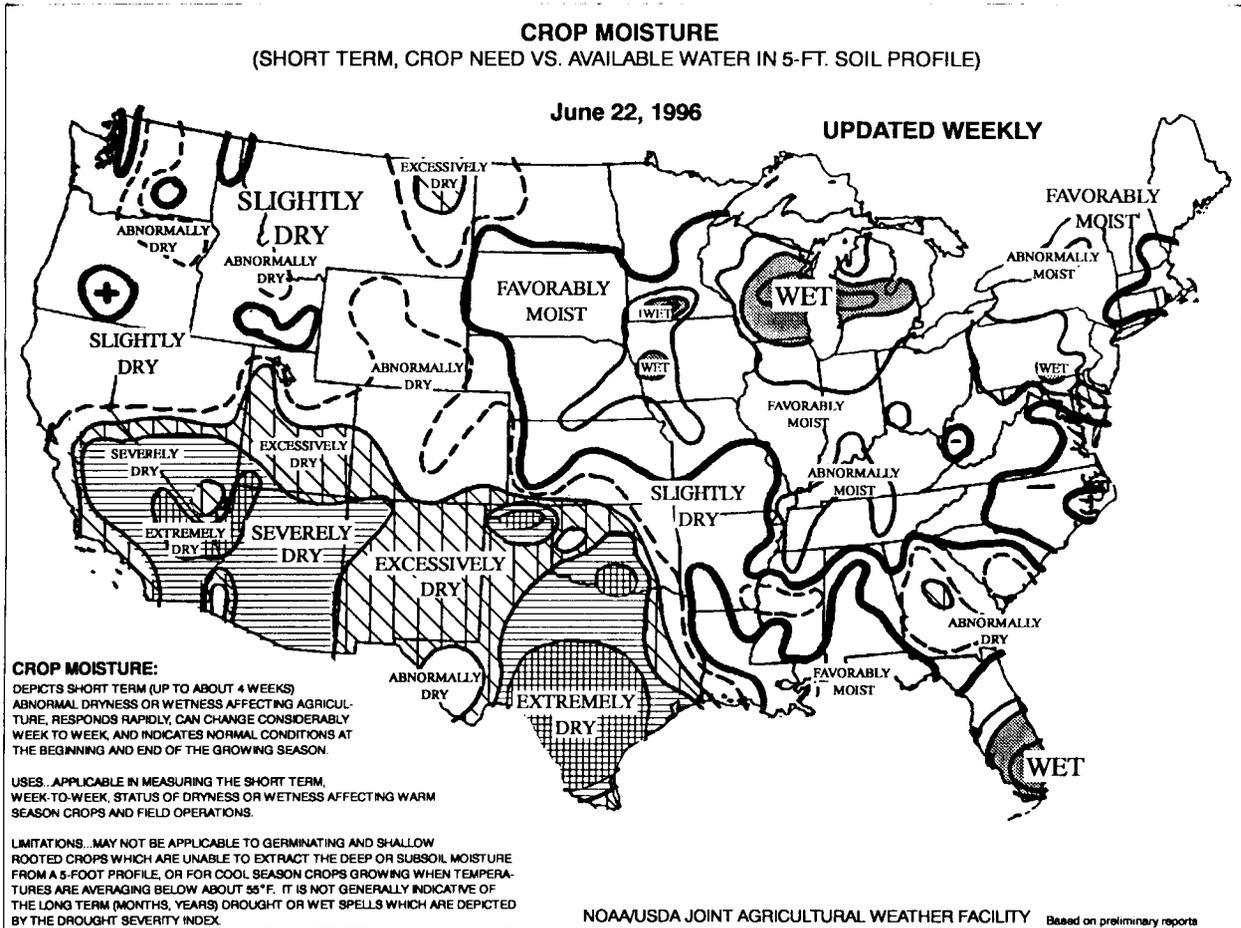
June 16 - 22, 1996

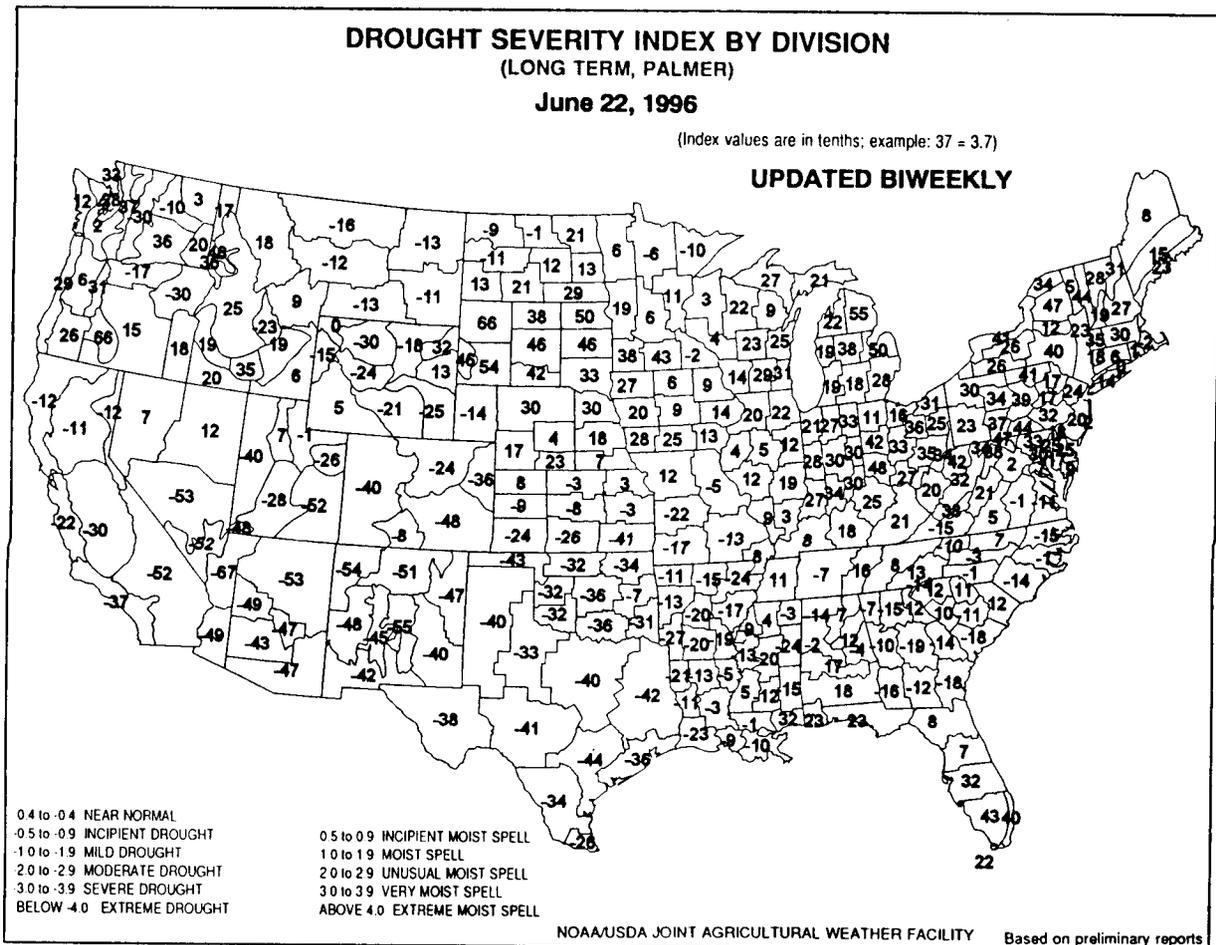
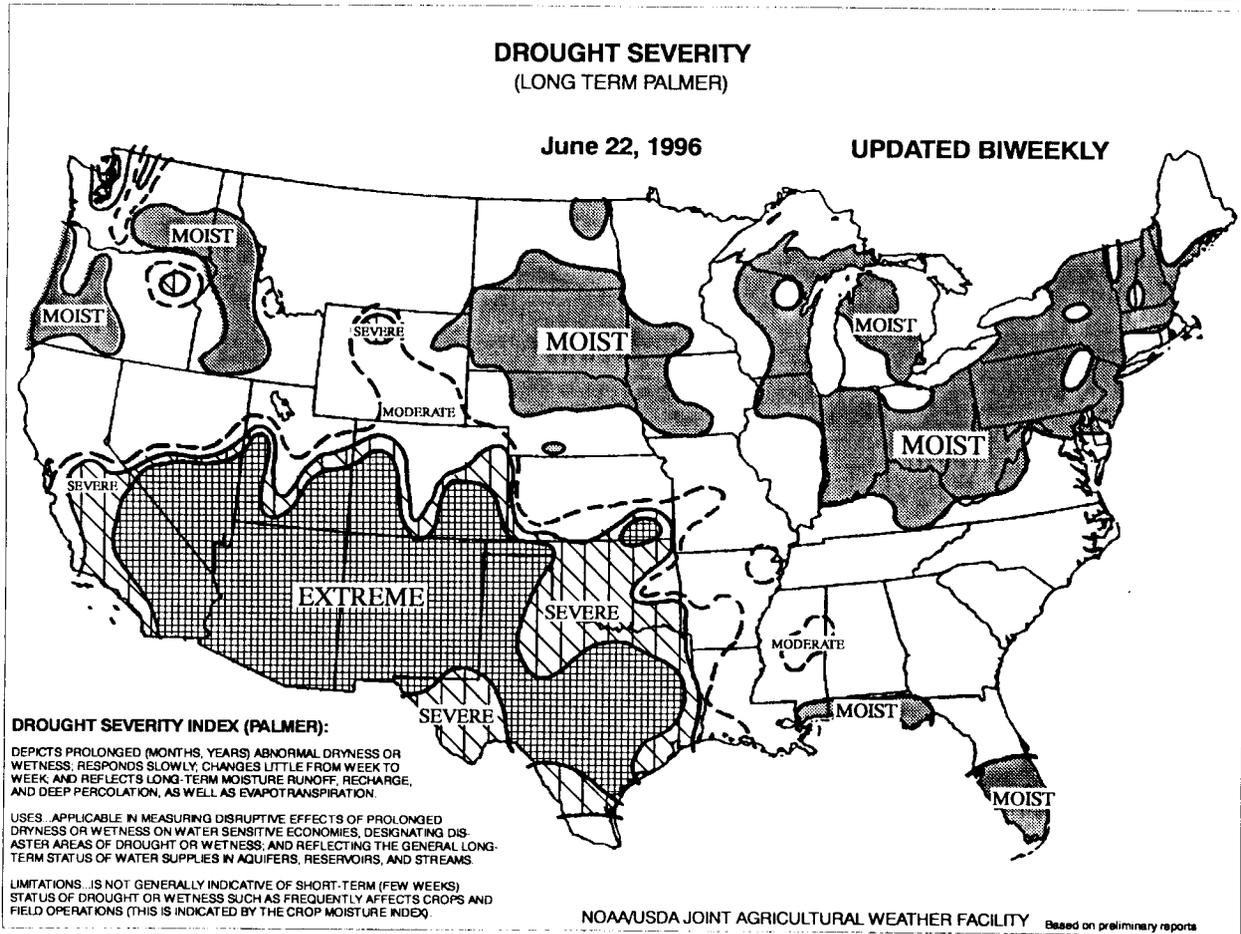
A strengthening upper-level ridge expanded into the **central and southern Plains**, inducing triple-digit heat and a return of dry weather. At the northern edge of the ridge's influence, thunderstorms fired repeatedly along a nearly stationary front, resulting in extensive wetness and flooding from the **northern Corn Belt** to the **northern Middle Atlantic region**. Weekly rainfall totals of 2 to 4 inches or more were common from **eastern Nebraska** through **Iowa** to the **mid-Atlantic region**. Across the remainder of the **Corn Belt**, only scattered showers interrupted a favorably drier pattern. Farther south, Tropical Storm Arthur crossed extreme **eastern North Carolina** with minimal impacts on Wednesday night. Meanwhile in the **Northwest**, very cool weather and scattered frost occurred at midweek in the wake of a strong low-pressure system crossing the **Canadian Prairie provinces**.

(Continued on page 5)

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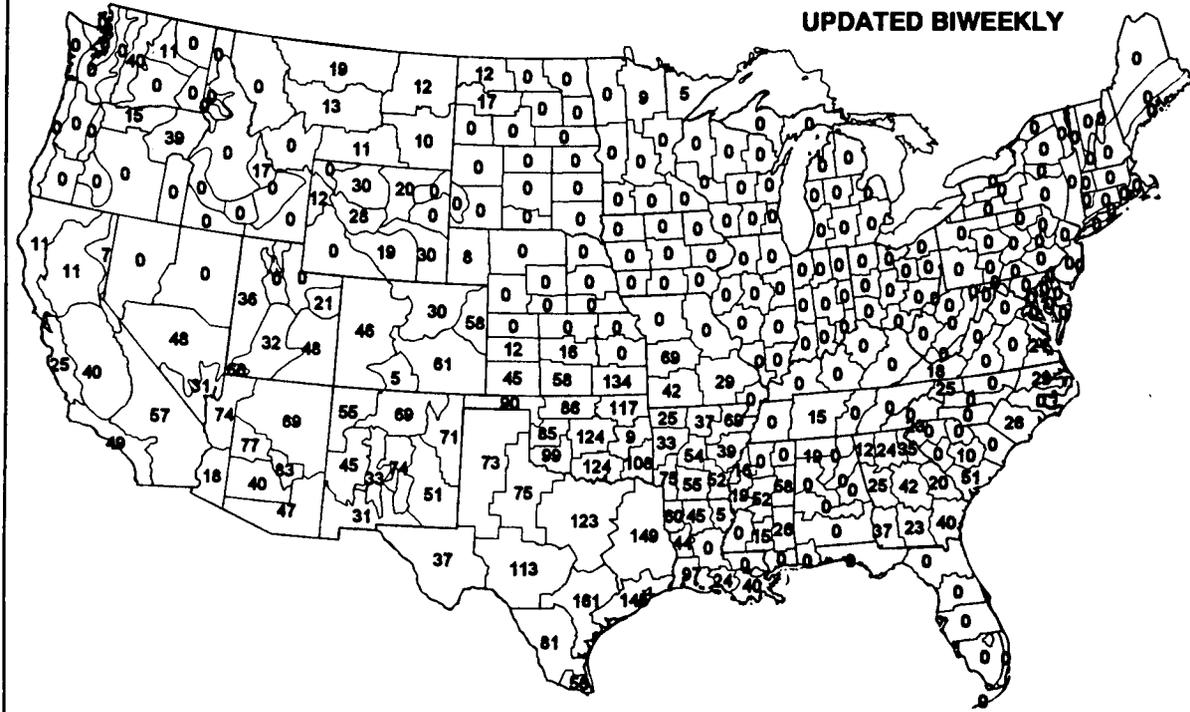




**ADDITIONAL PRECIPITATION NEEDED TO BRING INDEX NEAR ZERO
(LONG TERM, PALMER)
June 22, 1996**

(Index values are in tenths; example: 37 = 3.7)

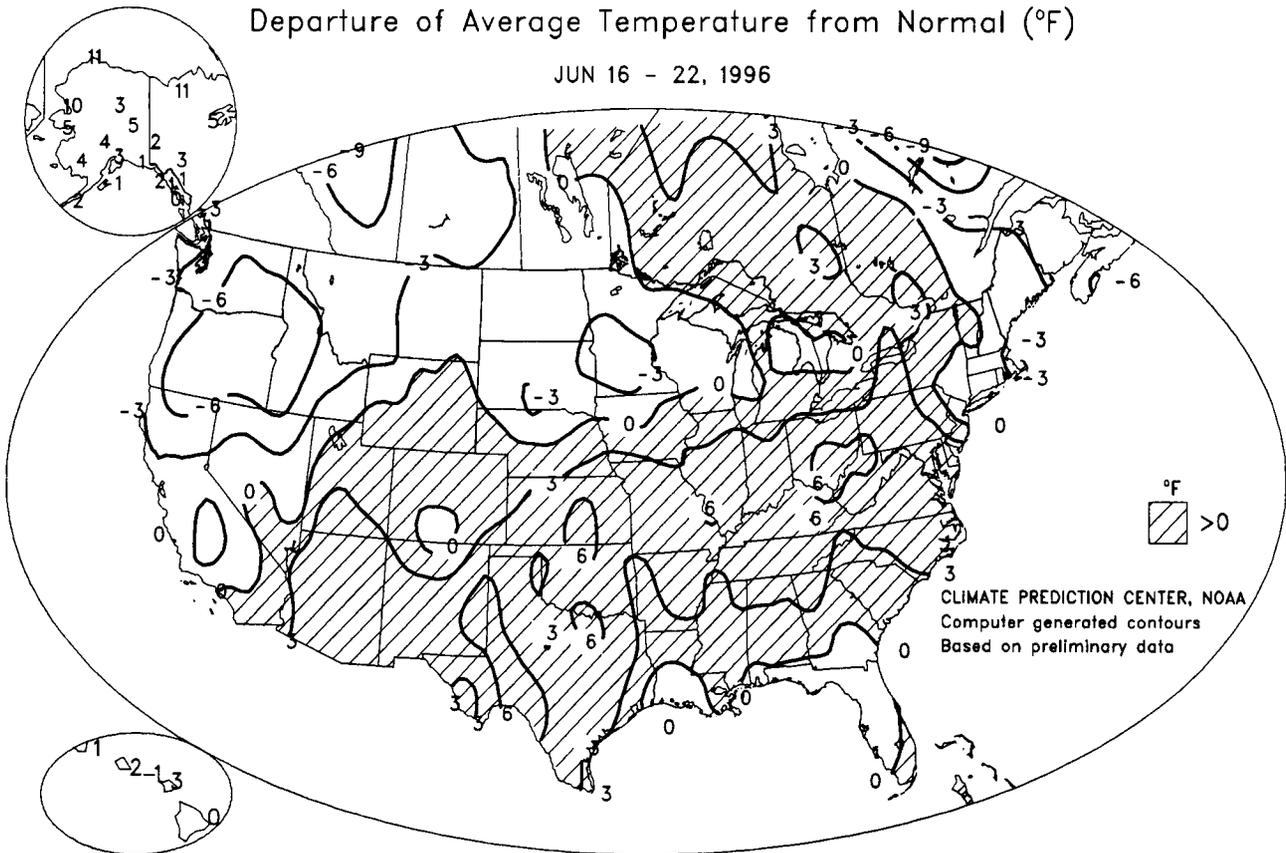
UPDATED BIWEEKLY



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

Departure of Average Temperature from Normal (°F)

JUN 16 - 22, 1996



CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data

(Continued from front cover)

Early in the week, heavy rain spread into the **western Corn Belt** and across the **east-central Plains**. Localized 2-day totals reached 4 to 8 inches in the **upper Mississippi River basin**, causing extensive small-stream flooding. Farther south, rainfall of 2.19 inches on Sunday in **Kansas City, MO**, broke their daily record.

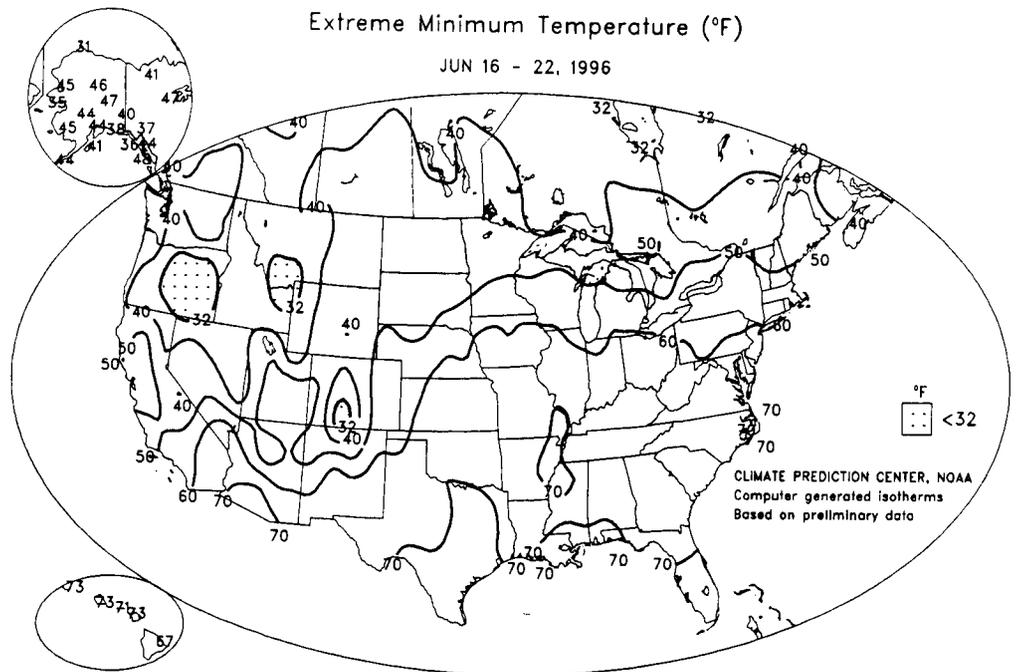
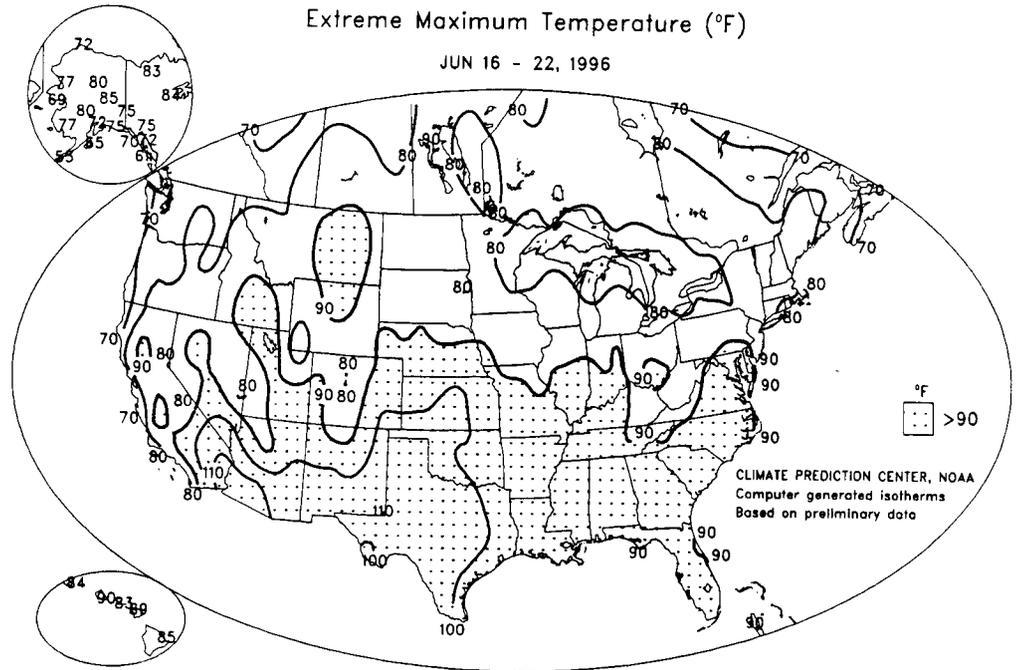
On Monday, the first of 4 days of scattered torrential rains spread into the **lower Great Lakes** and **northern Middle Atlantic regions**. In the latter region, storm-total rainfall locally topped a foot, sparking severe flash flooding. Consecutive daily-rainfall records were topped on June 17-18 in **Lansing, MI** (2.19 inches on Monday and 1.61 inches on Tuesday). In **Erie, PA**, 24-hour rainfall reached 4.65 inches on June 18-19, easily surpassing their former June record of 2.80 inches, set in 1957. Very heavy rain triggered flooding in **southern Pennsylvania** and **northern Maryland**, as **Gettysburg, PA** measured 10.72 inches during June 18-19. High pressure finally brought dry weather to the **eastern third** of the country by Friday.

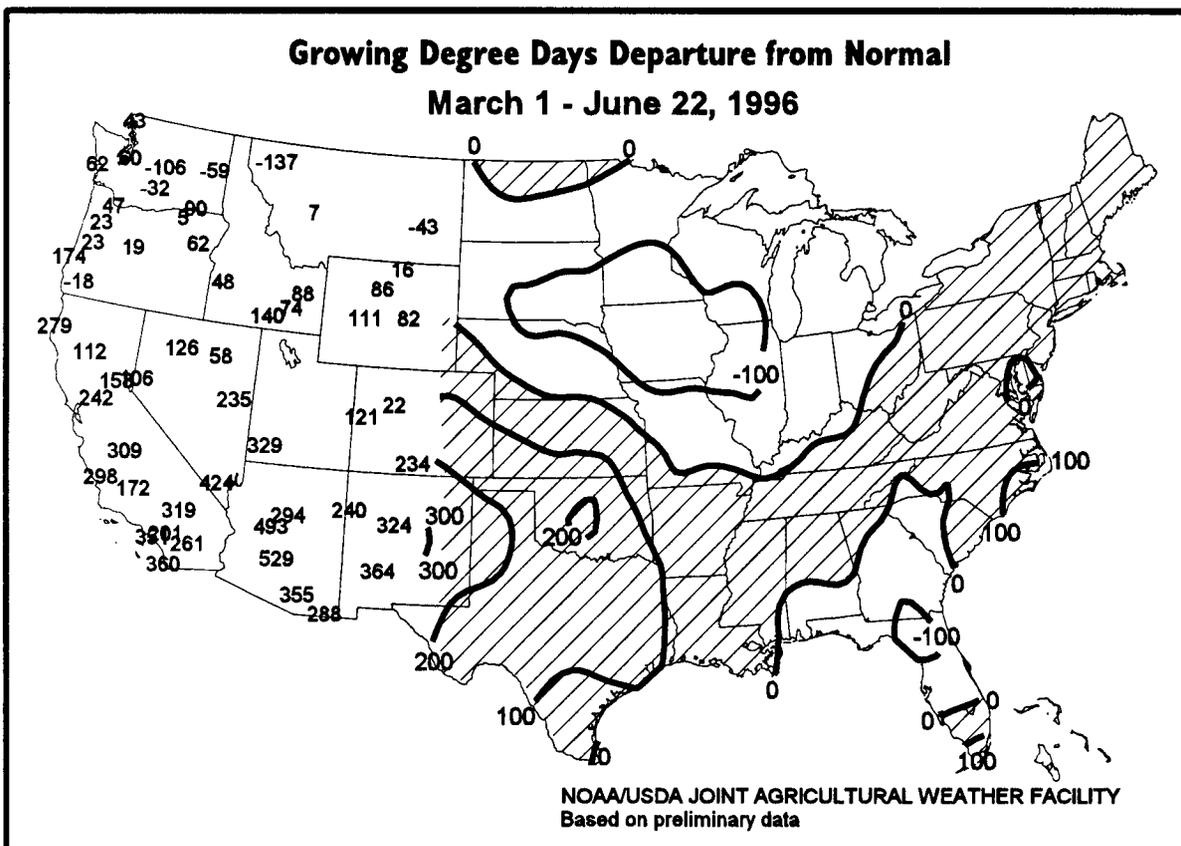
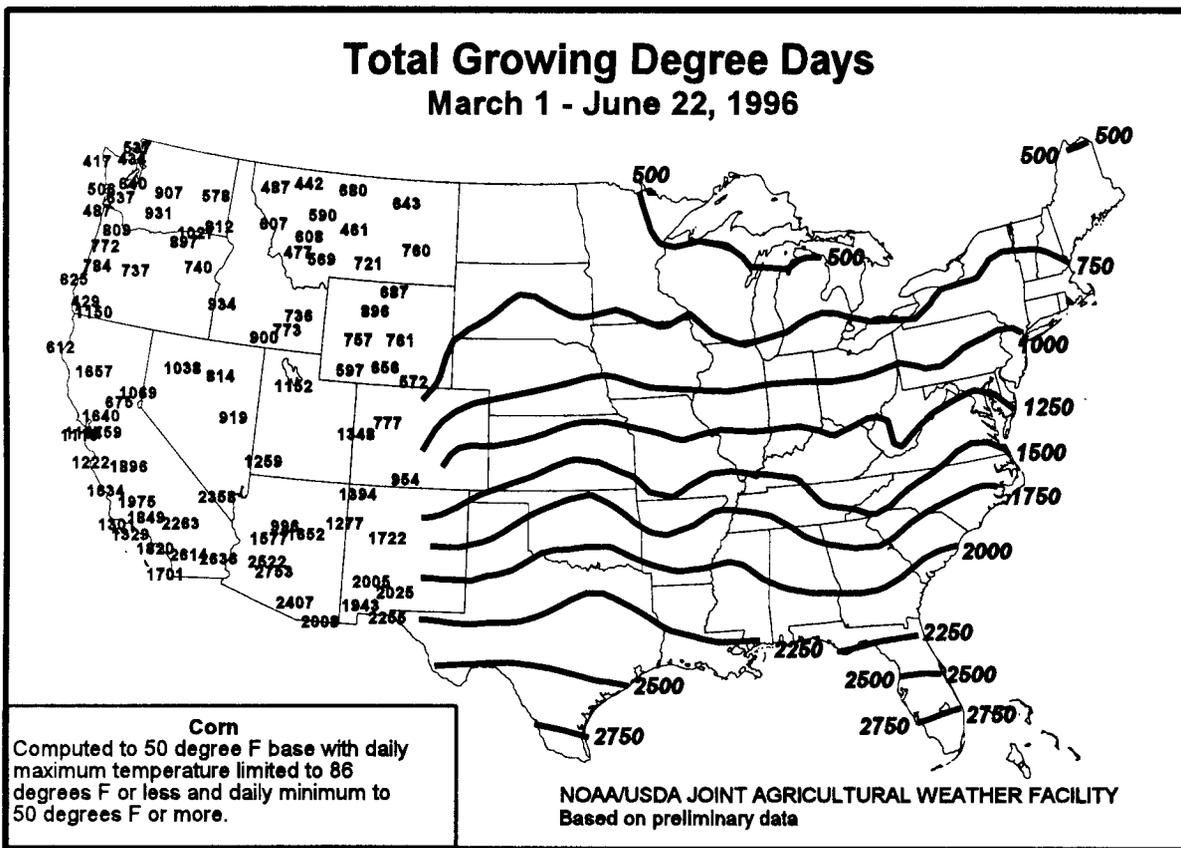
Daily-record heat returned to the **southern Plains** by midweek, with at least five **Texas** locations reporting record-high temperatures on Wednesday, including **Corpus Christi**, which tied the record 3 days in a row on June 17-19. **Wichita Falls** topped out at a record 105° F on Wednesday. Somewhat cooler air enabled thermometers to remain in the 90's by June 22.

Heat and wind spread wildfires across the **Southwest** and **Alaska**. By June 20, fires had burned more than 1.9 million acres (nearly 3000 square miles) across **Alaska** and the contiguous United States this year, compared with the 5-year average of 0.6 million acres (less than 950 square miles). Warmth returned to **Alaska** this week. On Tuesday, a high of 72°F in **Barrow** eclipsed their June record.

Meanwhile, about a dozen daily-record lows in the **Pacific Northwest** and **northern Plains** were set on Tuesday and Wednesday, but frost was only scattered in agricultural areas. Daily record lows on Wednesday included 21°F in **Burns, OR**, and 33°F in **Pocatello, ID**.

Arthur, the first tropical storm of the season, skirted the coast of the **Carolinas** on Wednesday and Thursday, causing little or no damage. Widespread rains returned to the **western Corn Belt** late in the week, and heavy rains (over 4 inches) accumulated over **Florida** and **southwest Louisiana** during the week. However, high temperatures and little rainfall left drought intact from **Texas** westward into **southern California**. **New Mexico's** statewide precipitation since January 1 has been 38 percent of normal.





National Weather Data for Selected Cities

Weather Data for the Week Ending June 22, 1996

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE JAN 1	PCT. NORMAL SINCE JAN 1	TOTAL IN, SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		01 INCH OR MORE	05 INCH OR MORE		
AL BIRMINGHAM	91	70	96	67	81	3	0.34	-0.62	-	1.90	72	33.02	116	93	47	6	0	2	0	0	0
MOBILE	89	72	92	70	80	-1	1.24	0.07	1.07	5.08	140	36.84	120	97	55	4	0	4	1	0	0
MONTGOMERY	90	70	92	68	80	1	0.21	-1.00	0.18	1.88	52	32.98	116	96	48	4	0	2	0	0	0
AK ANCHORAGE	68	49	72	44	58	3	0.00	-0.28	0.00	0.36	44	3.57	79	83	42	0	0	0	0	0	0
BARROW	58	37	72	31	47	11	0.06	-0.02	0.03	0.06	31	0.73	82	89	63	0	1	2	0	0	0
FAIRBANKS	80	61	86	47	68	4	0.00	-0.35	0.00	0.87	101	3.43	107	80	24	0	0	0	0	0	0
JUNEAU	61	49	72	44	56	1	-	-	-	-	-	-	-	87	43	0	0	0	0	0	0
KODIAK	56	46	66	41	50	-1	0.53	-0.54	0.44	1.80	50	19.57	64	97	59	0	0	4	0	0	0
NOME	60	44	69	36	52	6	0.19	-0.10	0.18	0.53	71	6.26	156	93	68	0	0	2	0	0	0
AZ PHOENIX	107	80	109	76	93	4	0.00	-0.04	0.00	0.00	0	1.81	68	33	10	7	0	0	0	0	0
PRESCOTT	91	68	93	62	73	6	0.00	-0.14	0.00	0.04	21	2.23	36	38	17	6	0	0	0	0	0
TUCSON	106	74	107	68	90	5	0.00	-0.07	0.00	0.00	0	1.13	40	43	10	7	0	0	0	0	0
YUMA	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0	0.61	63	-	-	-	-	-	-	-	-
AR FORT SMITH	92	70	94	67	81	3	0.77	0.06	0.77	3.36	130	21.71	108	97	48	6	0	1	1	0	0
LITTLE ROCK	-	-	-	-	-	-	0.00	-0.94	-	2.03	83	20.07	82	-	-	-	-	-	-	-	-
CA BAKERSFIELD	90	59	94	57	76	-6	0.00	-0.03	0.00	0.00	0	4.20	110	80	17	3	0	0	0	0	0
EUREKA	60	48	62	44	54	-2	0.00	-0.09	0.00	0.00	0	29.39	141	89	67	0	0	0	0	0	0
FRESNO	90	59	94	58	75	-3	0.00	-0.01	0.00	0.00	0	8.08	116	72	18	4	0	0	0	0	0
LOS ANGELES	73	60	78	58	67	1	0.00	0.00	0.00	0.00	0	8.72	113	92	66	0	0	0	0	0	0
REDDING	89	61	93	57	75	-2	0.00	-0.11	0.00	0.00	0	27.36	148	57	17	2	0	0	0	0	0
SACRAMENTO	86	56	93	52	70	-2	0.00	-0.03	0.00	0.00	0	15.85	146	81	31	2	0	0	0	0	0
SAN DIEGO	71	63	75	62	67	0	0.00	-0.02	0.00	0.00	0	3.87	63	83	67	0	0	0	0	0	0
SAN FRANCISCO	66	50	73	48	58	-4	0.00	-0.03	0.00	0.00	0	18.46	151	86	66	0	0	0	0	0	0
CO DENVER	86	54	93	49	70	2	0.08	-0.32	0.06	1.24	94	4.61	69	93	25	1	0	2	0	0	0
GRAND JUNCTION	91	59	96	54	78	1	0.07	-0.09	0.07	0.08	15	4.21	89	65	12	4	0	1	0	0	0
PUEBLO	91	54	98	47	72	0	0.42	0.12	0.31	1.40	163	5.13	116	84	18	6	0	2	0	0	0
CT BRIDGEPORT	72	62	82	59	67	-2	1.91	1.11	0.82	3.19	128	26.10	128	96	71	0	0	5	1	0	0
HARTFORD	76	60	83	56	68	-2	0.51	-0.34	0.37	2.27	81	24.64	118	92	57	0	0	2	0	0	0
DC WASHINGTON	89	72	93	72	81	4	1.41	0.63	0.65	1.98	80	20.70	118	81	55	3	0	3	2	0	0
FL PANAMA CITY	88	73	89	68	79	0	0.25	-1.43	0.12	1.19	26	21.16	75	96	64	0	0	3	0	0	0
DAYTONA BEACH	88	71	88	70	78	-2	1.86	0.99	0.93	6.15	141	29.89	156	98	66	0	0	3	1	0	0
JACKSONVILLE	89	70	93	67	80	0	0.88	-0.47	0.46	6.02	154	18.59	90	97	54	3	0	5	0	0	0
KEY WEST	88	79	90	75	84	0	0.53	-0.87	0.51	2.37	62	10.74	73	86	68	1	0	3	1	0	0
MIAMI	90	75	93	73	83	1	3.11	0.90	1.94	6.80	96	22.90	100	91	61	4	0	7	1	0	0
ORLANDO	90	73	93	72	82	0	2.51	0.70	0.80	5.83	111	28.22	146	97	58	4	0	6	2	0	0
TALLAHASSEE	89	70	92	68	80	-1	0.69	-1.11	0.24	3.42	70	23.66	78	97	51	3	0	6	0	0	0
TAMPA	88	73	90	71	81	-1	4.21	2.86	1.31	5.15	132	21.64	132	93	56	2	0	5	4	0	0
WEST PALM BEACH	90	74	102	71	82	1	4.39	2.52	1.96	5.52	92	18.63	77	93	63	3	0	6	2	0	0
GA ATLANTA	92	72	97	70	82	5	0.08	-0.75	0.07	1.89	86	26.49	98	83	41	5	0	2	0	0	0
AUGUSTA	90	68	96	64	79	1	0.88	-0.10	0.76	1.36	46	15.07	65	97	48	4	0	2	1	0	0
MACON	91	67	94	62	79	0	1.09	0.26	1.07	1.90	74	20.21	85	98	51	6	0	2	1	0	0
SAVANNAH	90	70	94	69	80	0	0.49	-0.88	0.42	2.08	51	13.48	61	97	49	4	0	2	0	0	0
HI HILO	83	68	86	67	76	0	3.40	1.99	1.34	5.03	114	57.41	90	92	67	0	0	7	2	0	0
HONOLULU	89	74	90	73	82	2	0.00	-0.11	0.00	0.29	74	7.96	72	80	49	2	0	0	0	0	0
KAHULUI	88	74	89	73	81	3	0.00	-0.06	0.00	0.00	0	12.80	102	79	51	0	0	0	0	0	0
LIHUE	83	74	84	73	79	1	0.02	-0.34	0.02	1.51	121	17.31	81	80	65	0	0	1	0	0	0
ID BOISE	75	47	68	37	61	-7	0.02	-0.16	0.02	0.08	10	7.33	108	81	22	0	0	1	0	0	0
LEWISTON	72	49	80	44	61	-8	0.00	-0.28	0.00	0.06	6	10.60	157	83	29	0	0	0	0	0	0
POCATELLO	77	46	93	33	62	-2	0.02	-0.20	0.02	0.02	3	7.08	108	73	21	1	0	1	0	0	0
IL CHICAGO	82	63	88	56	73	3	1.81	0.93	1.45	4.90	178	17.90	116	98	71	0	0	2	1	0	0
MOLINE	83	67	88	62	76	2	1.14	0.14	0.98	2.22	72	17.04	99	81	56	0	0	3	1	0	0
PEORIA	84	68	89	63	78	3	0.21	-0.73	0.21	1.46	50	15.85	97	90	55	0	0	1	0	0	0
QUINCY	84	68	86	64	78	2	-	-	-	-	-	-	-	94	63	0	0	-	-	-	-
ROCKFORD	80	65	84	60	72	2	0.74	-0.33	0.74	3.83	116	21.03	134	98	65	0	0	1	1	0	0
SPRINGFIELD	88	68	92	63	78	4	0.00	-0.80	0.00	1.79	71	19.17	117	94	54	3	0	0	0	0	0
IN EVANSVILLE	89	69	93	65	79	3	0.00	-0.86	0.00	4.10	152	33.78	147	92	51	4	0	0	0	0	0
FORT WAYNE	86	66	91	63	78	4	1.01	0.17	0.53	4.92	187	20.96	129	93	52	1	0	3	1	0	0
INDIANAPOLIS	86	69	89	63	77	4	2.08	1.27	1.06	4.98	197	28.21	149	93	56	0	0	3	2	0	0
SOUTH BEND	81	63	88	58	72	2	2.30	1.31	1.46	6.82	227	23.47	136	97	60	0	0	3	2	0	0
IA DES MOINES	80	66	87	59	73	1	0.78	-0.31	0.37	2.78	82	17.53	114	93	58	0	0	3	0	0	0
SIoux CITY	82	64	89	61	73	1	3.78	2.93	2.36	4.23	154	13.62	112	94	63	0	0	4	3	0	0
WATERLOO	78	67	84	62	72	2	2.03	0.97	1.06	3.77	116	13.86	93	84	70	0	0	4	2	0	0
KS CONCORDIA	92	67	98	61	80	5	0.15	-0.89	0.10	0.77	23	11.86	86	91							

Weather Data for the Week Ending June 22, 1996

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL IN, SINCE Jun 1	PCT. NORMAL SINCE Jun 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.	
																90 AND ABOVE	80 AND BELOW	.01 INCH OR MORE	.05 INCH OR MORE
ME CARIBOU	68	48	81	44	58	-3	0.55	-0.14	0.49	2.48	120	18.04	125	87	47	0	0	3	0
ME PORTLAND	68	52	79	49	60	-3	1.04	0.24	0.80	1.31	51	22.52	108	94	68	0	0	2	1
MD BALTIMORE	87	68	92	82	78	4	2.86	2.01	1.37	3.08	114	25.35	132	95	56	3	0	4	2
MD SALISBURY	88	70	91	87	79	6	1.42	0.57	0.89	2.91	111	25.84	124	98	57	2	0	3	1
MA BOSTON	72	60	80	57	66	-3	0.38	-0.34	0.13	0.88	38	21.03	105	91	68	0	0	4	0
MA CHATHAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
MI ALPENA	67	52	79	47	60	-3	0.82	-0.10	0.25	2.21	99	9.53	77	99	68	0	0	5	0
MI DETROIT	79	64	85	60	71	2	0.98	0.13	0.68	2.21	83	13.59	93	94	59	0	0	3	1
MI FLINT	77	61	84	54	69	2	1.98	1.22	1.35	3.69	155	13.77	107	96	59	0	0	3	2
MI GRAND RAPIDS	77	61	85	57	69	1	3.21	2.34	2.18	6.73	247	16.88	111	94	66	0	0	4	2
MI HOUGHTON LAKE	71	56	81	49	63	0	3.67	2.96	2.57	5.71	255	14.25	121	97	60	0	0	4	2
MI LANSING	77	61	83	54	69	1	3.86	3.08	2.21	3.88	156	13.45	101	96	65	0	0	4	2
MI MARQUETTE	69	52	77	44	61	1	0.68	-0.13	0.27	3.42	133	21.86	145	93	51	0	0	3	0
MI MUSKEGON	73	58	80	54	66	0	2.55	2.01	2.42	3.92	224	14.00	102	98	71	0	0	4	1
MI SAULT ST. MARIE	68	51	80	40	60	1	0.42	-0.32	0.20	1.50	64	14.20	102	97	65	0	0	5	0
MN ALEXANDRIA	72	55	80	48	63	-4	0.00	-0.98	0.00	0.25	8	7.34	65	93	60	0	0	0	0
MN DULUTH	66	52	77	47	59	-2	0.81	-0.10	0.81	2.15	77	8.41	69	94	66	0	0	1	1
MN INT'L FALLS	75	61	82	42	63	1	0.05	-0.91	0.03	1.21	42	8.55	89	90	43	0	0	2	3
MN MINNEAPOLIS	72	60	78	55	66	-4	3.37	2.41	1.32	4.67	156	11.29	89	97	68	0	0	4	0
MN ROCHESTER	72	61	84	56	67	-1	2.59	1.71	2.11	5.51	205	14.02	115	95	74	0	0	3	1
MS GREENWOOD	95	73	98	71	84	4	..	..	..	..	..	..	..	..	..	..	..	..	..
MS JACKSON	92	71	93	69	82	2	1.71	1.02	1.71	3.45	146	29.63	100	96	45	6	0	1	1
MS MERIDIAN	91	69	93	67	80	1	0.14	-0.87	..	1.51	59	26.54	89	98	49	6	0	1	0
MO CAPE GIRARDEAU	93	73	96	72	83	6	0.34	-0.42	0.26	3.24	125	22.88	97	93	46	6	0	2	0
MO COLUMBIA	89	69	91	64	79	6	0.00	-0.88	0.00	1.31	45	19.84	110	93	42	2	0	0	0
MO KANSAS CITY	88	68	91	64	78	4	2.49	1.41	2.17	5.42	155	20.31	123	94	51	2	0	2	1
MO SAINT LOUIS	90	73	92	68	82	5	0.16	-0.69	0.16	4.37	161	23.51	132	90	51	5	0	1	0
MO SPRINGFIELD	88	67	90	63	78	4	0.81	-0.37	0.69	1.65	42	16.64	82	96	52	2	0	3	1
MT BILLINGS	79	52	96	47	65	-1	0.52	0.09	0.29	0.82	53	8.11	93	78	24	1	0	4	0
MT GLASGOW	76	52	83	42	64	-2	0.67	0.07	0.25	1.45	90	4.04	79	88	31	1	0	3	0
MT GREAT FALLS	69	44	81	37	57	-6	0.55	0.02	0.32	0.95	52	5.70	68	82	33	0	0	2	0
MT HAVRE	75	48	91	39	61	-4	1.39	0.98	1.22	1.47	113	5.61	102	86	26	1	0	2	1
MT HELENA	70	43	83	36	57	-7	0.74	0.31	0.48	0.79	58	5.43	90	87	30	0	0	4	0
MT KALISPELL	67	43	82	31	55	-4	0.48	-0.03	0.22	0.51	30	13.50	162	92	38	0	1	3	0
MT MILES CITY	81	56	94	44	69	0	0.58	-0.08	0.58	0.59	28	9.22	124	78	29	2	0	1	1
MT MISSOULA	69	41	87	34	55	-6	1.47	1.07	0.84	1.56	114	9.81	136	93	38	0	0	5	1
NE GRAND ISLAND	86	65	93	62	75	2	2.27	1.37	1.30	4.44	151	17.45	140	93	44	4	0	3	2
NE LINCOLN	87	66	94	59	76	2	0.96	0.07	0.96	2.87	99	18.26	140	94	55	2	0	1	1
NE NORFOLK	83	63	91	57	73	1	2.01	0.97	0.63	2.80	84	10.21	81	94	61	1	0	5	3
NE NORTH PLATTE	82	60	90	55	71	2	0.49	-0.28	0.47	3.83	154	9.80	98	92	58	1	0	2	0
NE OMAHA	86	67	91	63	76	3	1.18	0.24	0.38	2.00	69	16.70	122	89	58	2	0	4	0
NE SCOTTSBLUFF	86	56	97	52	71	2	0.40	-0.20	0.38	0.85	43	8.09	96	90	33	1	0	2	0
NV VALENTINE	80	55	91	45	68	-3	0.88	0.08	0.58	1.52	60	8.55	81	95	49	1	0	3	1
NV ELY	83	42	96	37	63	2	0.00	-0.19	0.00	0.00	0	4.46	86	82	8	0	0	0	0
NV LAS VEGAS	101	75	104	67	88	1	0.00	-0.03	0.00	0.00	0	0.51	28	30	6	7	0	0	0
NV RENO	81	46	95	43	64	-3	0.00	-0.10	0.00	0.00	0	6.37	150	65	18	0	0	0	0
NV WINNEMUCCA	81	45	91	38	63	-3	0.00	-0.19	0.00	0.00	0	5.48	121	73	15	1	0	0	0
NH CONCORD	73	54	84	50	64	-2	0.56	-0.18	0.30	1.94	83	21.91	135	91	55	0	0	3	0
NJ ATLANTIC CITY	83	67	89	62	75	4	2.28	1.67	2.28	3.27	173	22.94	121	95	59	0	0	1	1
NM ALBUQUERQUE	95	66	100	63	80	5	0.00	-0.15	0.00	0.06	15	0.45	16	48	12	6	0	0	0
NM CLOVIS	97	66	103	64	82	7	0.85	0.18	0.65	2.94	141	3.93	82	70	17	5	0	3	1
NM ROSWELL	102	69	108	66	85	6	0.10	-0.29	..	..	..	1.30	29	58	13	6	0	1	0
NY ALBANY	78	62	83	58	69	1	0.98	0.12	0.68	3.98	126	20.04	119	90	58	0	0	2	1
NY BINGHAMTON	72	57	77	55	65	-1	1.58	0.73	0.98	4.98	187	21.28	127	95	66	0	0	4	1
NY BUFFALO	78	62	81	57	69	2	0.73	-0.10	0.26	4.47	170	21.18	129	91	56	0	0	4	0
NY NEW YORK	78	65	82	60	70	-2	0.94	0.11	0.64	3.85	148	21.20	107	95	61	0	0	4	1
NY ROCHESTER	79	61	81	57	70	4	2.23	1.53	0.87	5.39	243	20.87	146	98	57	0	0	4	3
NY SYRACUSE	77	61	81	57	69	2	0.78	-0.13	0.78	2.71	98	17.02	102	89	57	0	0	1	1
NC ASHEVILLE	84	62	88	59	73	3	0.09	-1.02	0.09	2.98	83	20.81	78	99	48	0	0	1	0
NC CHARLOTTE	89	70	93	67	80	3	1.13	0.35	0.80	2.49	101	20.36	97	92	47	3	0	3	1
NC GREENSBORO	88	68	91	66	78	4	0.27	-0.62	0.26	0.85	23	19.96	96	94	51	1	0	2	0
NC HATTERAS	84	74	87	72	79	4	1.78	0.25	1.50	4.12	139	..	..	94	68	0	0	1	1
NC NEW BERN	89	73	95	70	81	4	0.45	-0.84	0.27	5.16	135	22.33	92	97	58	3	0	2	0
NC RALEIGH	91	69	95	66	80	5	0.20	-0.65	0.20	3.04	113	20.24	100	95	51	5	0	1	0
NC WILMINGTON	86	73	91	69	79	3	0.80	-0.39	0.72	3.83	111	18.14	75	95	65	1	0	3	1
ND BISMARCK	75	53	82	46	64	-1	0.78	0.15	0.81	2.04	102	6.88	92	88	36	0	0	3	1
ND FARGO	78	47	83	33	62	-5	0.03	-0.63	0.03	0.44	21	5.52	64	90	40	0	0	1	0
ND GRAND FORKS	81	55	86	47	68	-2	0.00	-0.69	0.00	0.15	7	5.81	73	83	34	0	0	0	0
ND WILLISTON	77	51	87	40	64	-2	0.86	0.11	0.61	1.80	96	4.87	73	88	29	0	0	2	1
OH AKRON-CANTON	82	63	85	60	73	4	1.87	1.13	1.87	5.78	252	20.51	121	93	49	0	0	1	1
OH CINCINNATI	86	66	90	59	76	4	1.16	0.28	0.91	4.51	162	32.95	161	94	54	1	0	2	1
OH CLEVELAND	82	64	84	62	73	4	0.14	-0.71	0.10	3.39	126	18.18	110	92	55	0	0	2	0
OH COLUMBUS	87	67	91	64	77	7	0.61	-0.27	0.80	3.51	126	25.96	146	88	46	2	0	2	1
OH DAYTON	85	68	88	63	76	5	0.15	-0.73	0.09	5.25	186	31.57	175	90	55	0	0	2	0

Based on 1961-90 normals

Weather Data for the Week Ending June 22, 1996

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE JAN 1	PCT. NORMAL SINCE JAN 1	TOTAL IN, SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		01 INCH OR MORE	05 INCH OR MORE	01 INCH OR MORE	05 INCH OR MORE
OK TOLEDO	81	65	86	63	73	4	2.46	1.57	1.55	4.84	177	17.83	120	92	63	0	0	2	2		
OK YOUNGSTOWN	79	62	83	54	71	3	1.30	0.38	0.66	3.36	117	20.15	119	96	64	0	0	5	2		
OK OKLAHOMA CITY	96	69	96	67	82	4	0.12	-0.82	0.12	2.21	64	8.38	48	93	40	7	0	1	0		
OR TULSA	94	71	98	67	82	3	1.01	0.04	0.54	3.15	83	9.39	47	90	46	7	0	2	1		
OR ASTORIA	61	47	65	41	54	-3	0.00	-0.53	0.00	0.15	8	42.51	124	92	80	0	0	0	0		
OR BURNS	71	36	82	21	53	-6	0.09	-0.08	0.09	0.09	14	7.27	144	83	18	0	2	1	0		
OR MEDFORD	78	46	84	38	62	-6	0.00	-0.12	0.00	0.00	0	14.10	156	84	21	0	0	0	0		
OR PENDLETON	77	46	85	39	61	-6	0.00	-0.14	0.00	0.00	0	8.29	129	74	21	0	0	0	0		
OR PORTLAND	70	50	79	48	60	-4	0.23	-0.09	0.21	0.23	20	30.78	167	79	42	0	0	2	0		
OR SALEM	71	46	80	42	58	-4	0.00	-0.29	0.00	0.00	0	33.41	167	85	35	0	0	0	0		
PA ALLENTOWN	81	61	88	58	71	0	1.20	0.35	0.59	2.04	74	22.22	111	92	55	0	0	4	2		
PA ERIE	76	63	83	57	70	2	4.98	4.02	4.66	8.15	270	24.86	143	96	66	0	0	4	1		
PA HARRISBURG	84	67	91	63	76	4	2.72	1.82	-	4.96	172	24.31	125	92	62	2	0	0	0		
PA PHILADELPHIA	84	67	91	64	76	4	2.30	1.32	1.14	2.97	97	20.44	96	93	55	1	0	3	2		
PA PITTSBURGH	87	66	90	61	77	8	2.81	1.94	2.29	4.69	170	22.73	127	88	48	1	0	2	2		
PA SCRANTON	77	61	84	57	69	1	0.84	-0.10	0.51	2.71	92	22.35	138	92	60	0	0	3	1		
RI PROVIDENCE	74	60	79	58	67	-1	0.79	0.02	0.45	1.55	63	19.69	89	92	65	0	0	6	0		
SC CHARLESTON	89	72	93	69	80	1	1.12	-0.45	1.07	2.87	62	13.65	61	96	59	4	0	4	1		
SC COLUMBIA	91	70	97	67	81	2	0.17	-0.99	0.17	1.54	45	17.27	72	93	45	4	0	1	0		
SC FLORENCE	88	70	95	66	79	0	0.00	-1.07	0.00	2.39	78	13.15	64	100	57	1	0	0	0		
SD GREENVILLE	89	68	94	66	78	2	0.26	-0.87	0.26	4.19	120	29.26	113	98	48	2	0	1	0		
SD ABERDEEN	76	56	82	47	66	-2	2.23	1.43	1.71	2.78	112	10.48	110	93	42	0	0	3	1		
SD HURON	77	56	83	47	67	-3	0.26	-0.53	0.14	1.63	65	8.57	83	98	48	0	0	2	0		
SD RAPID CITY	75	53	82	45	64	-2	0.26	-0.45	0.17	1.23	53	13.18	148	94	49	0	0	3	0		
SD SIOUX FALLS	77	61	80	57	69	-1	0.68	-0.12	0.27	0.99	39	8.81	80	94	63	0	0	4	0		
TN CHATTANOOGA	90	69	92	66	79	3	1.34	0.53	1.34	3.52	139	28.38	105	91	46	4	0	1	1		
TN KNOXVILLE	89	68	91	65	78	4	0.00	-0.93	0.00	2.18	78	26.80	110	91	46	2	0	0	0		
TN MEMPHIS	92	72	96	70	82	2	2.80	2.00	2.80	10.13	384	33.21	124	90	46	6	0	1	1		
TX NASHVILLE	91	69	92	68	80	3	0.52	-0.28	0.34	3.56	135	23.28	96	89	42	7	0	2	0		
TX ABILENE	96	71	100	65	84	2	0.93	0.28	0.93	2.73	127	9.21	86	82	32	7	0	1	1		
TX AMARILLO	97	64	105	60	81	5	0.10	-0.78	0.10	0.81	30	3.04	36	78	21	6	0	1	0		
TX AUSTIN	97	74	102	72	86	3	0.43	-0.38	0.43	3.40	118	8.36	52	92	35	7	0	1	0		
TX BEAUMONT	90	71	93	68	80	-1	5.83	4.54	2.84	8.36	154	13.58	54	100	68	4	0	3	3		
TX BROWNSVILLE	96	77	98	75	86	3	0.00	-0.81	0.00	0.00	0	0.79	8	92	45	7	0	0	0		
TX CORPUS CHRISTI	95	75	97	73	85	3	0.00	-0.77	0.00	0.00	0	2.85	23	94	49	7	0	0	0		
TX DEL RIO	103	80	106	79	91	9	0.00	-0.63	0.00	0.00	0	2.23	20	86	24	7	0	0	0		
TX EL PASO	103	71	107	65	87	6	0.00	-0.18	0.00	0.13	30	0.81	44	47	12	7	0	0	0		
TX FORT WORTH	98	76	101	73	87	7	0.07	-0.82	0.07	3.46	136	10.26	54	86	35	7	0	1	0		
TX GALVESTON	88	78	90	71	83	1	0.87	-0.18	0.72	0.94	29	5.67	33	87	62	2	0	2	1		
TX HOUSTON	94	71	97	69	82	2	1.89	0.28	1.24	3.16	70	8.41	35	96	44	6	0	2	1		
TX LUBBOCK	98	70	106	66	84	6	0.17	-0.47	0.17	1.14	56	4.00	54	74	20	7	0	1	0		
TX MIDLAND	100	73	107	65	87	6	0.22	-0.08	0.22	0.85	82	2.38	43	75	21	7	0	1	0		
TX SAN ANGELO	100	72	106	65	86	6	0.06	-0.44	0.06	1.49	82	6.56	70	83	24	7	0	1	0		
TX SAN ANTONIO	98	75	103	73	87	4	0.02	-0.83	0.02	1.32	45	3.72	25	88	31	7	0	1	0		
TX SAN LUIS VALLEY	97	75	100	73	86	4	0.67	-0.39	0.40	0.93	27	4.28	22	96	37	7	0	3	0		
TX VICTORIA	97	75	100	73	86	4	0.67	-0.39	0.40	0.93	27	4.28	22	96	37	7	0	3	0		
TX WACO	97	75	101	70	86	4	0.00	-0.71	0.00	2.28	90	8.11	49	85	37	7	0	0	0		
TX WICHITA FALLS	100	71	105	70	86	6	0.00	-0.85	0.00	0.87	22	3.11	19	89	27	7	0	0	0		
UT CEDAR CITY	88	58	90	52	73	5	0.00	-0.09	0.00	0.00	0	4.90	95	24	14	1	0	0	0		
UT SALT LAKE CITY	86	58	96	51	72	2	0.00	-0.19	0.00	0.00	0	10.90	122	68	21	3	0	0	0		
VT BURLINGTON	76	58	82	50	67	1	0.67	-0.18	0.51	3.92	155	22.02	155	92	53	0	0	2	1		
VA NORFOLK	88	71	93	70	80	4	2.46	1.55	2.42	3.85	141	24.44	118	96	55	2	0	2	1		
VA RICHMOND	91	69	94	67	80	5	0.00	-0.85	0.00	2.18	84	16.76	86	90	19	6	0	0	0		
VA ROANOKE	87	67	90	66	77	4	0.97	0.25	0.82	7.34	316	26.61	142	91	52	1	0	2	1		
WA QUILLAYUTE	82	44	88	36	53	-3	0.09	-0.57	0.09	1.71	72	49.32	92	91	57	0	0	1	0		
WA SEATTLE-TACOMA	67	49	76	47	58	-3	0.03	-0.31	0.03	0.03	3	25.19	139	82	36	0	0	1	0		
WA SPOKANE	69	44	79	37	57	-6	0.00	-0.28	0.00	0.00	0	10.47	122	84	31	0	0	0	0		
WA YAKIMA	75	44	83	36	59	-6	0.00	-0.12	0.00	0.00	0	5.15	128	77	27	0	0	0	0		
WV BECKLEY	83	62	86	59	73	6	1.05	0.15	0.73	3.17	115	25.81	132	94	54	0	0	2	1		
WV CHARLESTON	86	66	89	63	76	4	0.47	-0.38	0.33	3.22	126	27.39	140	99	51	0	0	2	0		
WV HUNTINGTON	89	68	90	64	79	6	0.15	-0.65	0.15	3.77	155	28.21	141	98	51	3	0	1	0		
WV PARKERSBURG	88	67	90	64	77	6	1.30	0.41	1.04	2.92	107	24.42	122	97	55	1	0	2	1		
WI GREEN BAY	72	59	84	55	66	0	2.12	1.32	1.47	4.88	188	13.61	113	96	71	0	0	4	1		
WI LACROSSE	74	63	83	59	69	-1	2.42	1.48	--	4.95	172	13.89	108	97	66	0	0	0	0		
WI MADISON	77	62	84	59	69	1	4.12	3.23	3.47	7.48	275	17.22	127	97	73	0	0	2	2		
WI MILWAUKEE	74	58	82	54	65	-1	2.34	1.57	2.13	4.91	208	13.40	92	98	70	0	0	2	1		
WY WAUSAU	69	59	81	55	64	-2	4.80	3.86	3.38	7.73	263	16.24	123	95	64	0	0	3	2		
WY CASPER	85	47	91	37	66	2	0.50	0.18	0.42	0.87	79	5.39	78	87	21	2	0	2	0		
WY CHEYENNE	78	52	85	49	65	2	0.67	0.20	0.44	1.53	99	7.37	103	94	36	0	0	4	0		
WY LANDER	80	49	89	45	64	0	0.29	-0.02	0.16	0.59	52	6.42	82	80	20	0	0	2	0		
WY SHERIDAN	78	47	93	39	63	-1	0.31	-0.19	0.31	0.92	53	7.98	96	87	35	1	0	1	0		
PR SAN JUAN	87	75	88	74	81	-1	--	--	--	--	--	--	--	88	67	0	0	--	--		

Based on 1961-90 normals

National Agricultural Summary

June 17 - 23, 1996

HIGHLIGHTS

Heavy rains across the western and northern Corn Belt caused localized flooding, soil erosion, and ponding. Midwestern farmers who completed planting were obstructed from cultivating and spraying for weed control. Hot weather over the middle Mississippi and Ohio Valleys pushed crop development and helped dry fields. In the Dakotas, warmer weather boosted crop

development and allowed planting to proceed ahead of normal. Freezing temperatures in Oregon and Idaho damaged small grains and row crops. Hot, humid weather over the Southeast lowered soil moisture levels. Dry weather and high temperatures baked the Southwest, but significant planting progress was possible as a result of the previous week's precipitation.

The Nation's **winter wheat** crop was in mostly fair to good condition. Wheat harvested for the 19 major producing States was 28 percent (%) complete, 1 percentage point ahead of the 5-year average. Wheat harvested in Texas and Oklahoma was 23 points ahead of their average. In Illinois, wet weather left wheat harvested 17 points behind its average. Several wheat diseases caused by wet conditions were reported in the Ohio Valley. In the Texas High Plains, wheat harvest activity increased.

Spring wheat headed was 2% complete, 20 points below the average. Spring wheat condition was mostly good to fair. Spring wheat headed in South Dakota at 8% complete was 42 points behind the average.

Corn silking was 3% complete for the 17 major producing States, up 1 point from the previous week. Corn developed rapidly in the Southern States due to the hot weather. Wide variation in the development stages between early- and late-planted corn was reported. Corn planting in Indiana was 22 days behind normal. The average corn height was 16 inches in Illinois, compared with 12 inches last year at this time and 25 inches for the average. Heavy rains in the Great Lakes region flooded corn fields. Some corn borer moths were observed in Nebraska.

Cotton squaring was 53% complete, up 17 points from a week earlier and 14 points ahead of the average for the 14 major producing States. Cotton development was pushed by the hot weather across the Southern States. In New Mexico, cotton squaring was 50% complete, up 36 points from the previous week and 13 points ahead of the average. Arkansas cotton producers sprayed for boll weevils and other insects.

Cotton fields in California were cultivated and treated for aphids and mites. Cotton producers in the Delta applied herbicides and sprayed to control insect populations. In Texas, many immature cotton fields displayed damage from blowing sand. Some seedling disease was reported in wet areas of north-central Texas. Cotton condition was mostly good to fair for the 14 major producing States.

Sorghum planting was 91% complete for the 12 major producing States, up 9 points from the previous week. Sorghum planting in New Mexico, at 52% complete, was up 24 points from the previous week, but 25 points behind the average. New Mexico sorghum producers increased sorghum planting due to much-needed pre-planting moisture received the previous week. Cinch bugs remained a problem in some Arkansas sorghum fields. Weeds were overtaking emerged sorghum fields in the central Great Plains, making cultivation difficult.

Rice headed for the five major producing States was 2% complete, 3 points behind the average. Rice condition was mostly good to fair. Rice fields in California were treated for weeds and water weevils. Precipitation benefited rice fields in Texas.

Soybean planting was 84% complete, up 12 points from the previous week, but 7 points behind the average. Soybean planting in Indiana was behind the average by more than 30 points, with some replanting needed in drowned-out areas. Soybean planting in Illinois, at 77% complete, was up 21 points from the previous week but 19 points behind the average. Soybean producers in the Southeast were taking measures to control insects and weeds.

Crop Progress and Condition

Week Ending June 23, 1996

Soybeans Percent Planted

	Jun 23 1996	Prev Week	Prev Year	5-Yr Avg
AL	85	77	87	82
AR	84	71	88	80
GA	86	77	87	82
IL	77	56	92	96
IN	65	45	94	98
IA	96	86	96	96
KS	89	81	64	84
KY	52	38	69	74
LA	97	93	95	83
MI	78	76	98	99
MN	99	99	98	95
MS	98	96	96	83
MO	74	58	64	82
NE	99	95	96	98
NC	73	58	57	75
OH	81	58	92	98
SC	79	67	76	74
SD	94	87	81	89
TN	60	46	69	73
ALL	84	72	88	91

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

Winter Wheat Percent Harvested

	Jun 23 1996	Prev Week	Prev Year	5-Yr Avg
AR	74	27	87	73
CA	55	35	49	45
CO	0	0	0	1
GA	89	81	96	90
ID	0	0	0	0
IL	1	0	16	18
IN	0	0	12	11
KS	20	3	7	29
MI	0	0	0	0
MO	14	2	27	28
MT	0	0	0	0
NE	0	0	0	2
NC	48	33	51	60
OH	0	0	0	2
OK	87	65	48	64
OR	0	0	0	0
SD	0	0	0	0
TX	78	53	56	55
WA	0	0	0	0
ALL	28	16	19	27

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

Corn Percent Silking

	Jun 23 1996	Prev Week	Prev Year	5-Yr Avg
CO	0	0	0	0
GA	77	51	94	83
IL	0	0	0	1
IN	0	0	0	0
IA	0	0	0	0
KS	0	0	0	3
KY	0	0	0	0
MI	0	0	0	0
MN	0	0	0	0
MO	3	0	0	2
NE	0	0	0	0
NC	17	3	28	17
OH	0	0	0	0
PA	0	0	0	0
SD	0	0	0	0
TX	56	50	63	57
WI	0	0	0	0
ALL	3	2	3	3

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

Cotton Percent Squaring

	Jun 23 1996	Prev Week	Prev Year	5-Yr Avg
AL	73	44	69	51
AZ	80	75	73	80
AR	85	58	58	52
CA	45	35	12	34
GA	66	49	72	56
LA	85	58	85	66
MS	89	79	83	61
MO	57	30	36	34
NM	50	14	19	37
NC	26	15	25	26
OK	27	6	1	8
SC	38	27	27	36
TN	53	20	56	38
TX	33	20	25	25
ALL	53	36	43	39

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

Sorghum Percent Planted

	Jun 23 1996	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	99
CO	93	79	77	84
IL	55	50	68	88
KS	94	83	74	83
LA	100	100	96	96
MS	100	100	100	97
MO	91	78	75	90
NE	99	92	90	97
NM	52	28	84	77
OK	78	59	72	85
SD	88	76	68	85
TX	91	85	93	92
ALL	91	82	83	89

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

Oats Percent Headed

	Jun 23 1996	Prev Week	Prev Year	5-Yr Avg
IA	30	NA	50	67
MI	10	NA	37	35
MN	13	NA	27	43
NE	68	NA	NA	NA
ND	0	NA	1	15
OH	26	NA	54	66
PA	48	NA	61	20
SD	5	NA	5	51
WI	10	NA	22	33
ALL	18	NA	27	41

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

Peanuts Percent Pegging

	Jun 23 1996	Prev Week	Prev Year	5-Yr Avg
AL	27	14	20	17
FL	64	46	NA	NA
GA	32	23	41	31
NC	4	1	NA	NA
OK	20	10	3	6
SC	0	0	0	0
TX	8	4	NA	NA
VA	0	0	NA	NA
ALL	23	15	31	25

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

Crop Progress and Condition

Week Ending June 23, 1996

Barley Percent Headed

	Jun 23 1996	Prev Week	Prev Year	5-Yr Avg
ID	17	NA	13	25
MN	12	NA	18	38
MT	1	NA	4	14
ND	1	NA	3	23
SD	6	NA	4	48
WA	55	NA	72	79
ALL	8	NA	10	27

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

Rice Percent Headed

	Jun 23 1996	Prev Week	Prev Year	5-Yr Avg
AR	0	NA	0	0
CA	0	NA	0	0
LA	6	NA	15	16
MS	1	NA	1	1
TX	9	NA	14	14
ALL	2	NA	4	5

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

Spring Wheat Percent Headed

	Jun 23 1996	Prev Week	Prev Year	5-Yr Avg
ID	22	NA	12	25
MN	7	NA	19	33
MT	0	NA	4	12
ND	0	NA	4	19
SD	8	NA	4	50
ALL	2	NA	6	22

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

Winter Wheat Crop Condition by Percent

	VP	P	F	G	EX
AR	0	4	17	44	35
CA	0	0	0	50	50
CO	10	18	32	33	7
GA	0	4	31	57	8
ID	0	0	7	60	33
IL	19	31	31	19	0
IN	7	21	40	29	3
KS	19	28	34	18	1
MI	8	17	38	28	9
MO	10	28	37	22	3
MT	5	9	30	49	7
NE	5	21	39	31	4
NC	0	2	39	58	1
OH	7	25	42	23	3
OK	20	31	35	14	0
OR	0	0	12	37	51
SD	6	19	27	44	4
TX	35	24	29	12	0
WA	0	1	5	54	40
ALL	15	22	30	26	7
Prev Wk	15	25	30	24	6
Prev Yr	8	16	35	33	8

Corn Crop Condition by Percent

	VP	P	F	G	EX
CO	0	3	11	73	13
GA	1	7	32	54	6
IL	3	13	37	39	8
IN	5	14	40	36	5
IA	1	5	27	57	10
KS	1	3	21	61	14
KY	1	7	25	48	19
MI	7	14	31	38	10
MN	0	5	34	56	5
MO	1	10	38	41	10
NE	1	3	17	60	19
NC	0	0	11	67	22
OH	4	13	40	37	6
PA	2	4	18	57	19
SD	1	3	29	53	14
TX	13	16	32	30	9
WI	3	8	30	51	8
ALL	2	6	30	50	10
Prev Wk	2	9	33	48	8
Prev Yr	1	7	32	51	9

Cotton Crop Condition by Percent

	VP	P	F	G	EX
AL	0	2	23	69	6
AZ	1	2	5	59	33
AR	1	4	15	57	23
CA	0	0	0	50	50
GA	1	5	27	57	10
LA	0	2	12	61	25
MS	0	3	15	66	16
MO	0	12	40	44	4
NM	1	6	25	38	30
NC	0	0	18	67	15
OK	4	12	39	42	3
SC	0	1	17	68	14
TN	1	3	18	65	13
TX	13	28	32	22	5
ALL	5	13	23	45	14
Prev Wk	5	14	24	44	13
Prev Yr	1	6	40	46	7

Rice Crop Condition by Percent

	VP	P	F	G	EX
AR	0	3	20	53	24
CA	0	0	5	85	10
LA	0	1	21	67	11
MS	0	4	13	66	17
TX	0	5	26	45	24
ALL	0	2	18	61	19
Prev Wk	0	2	23	58	17
Prev Yr	0	2	23	61	14

Spring Wheat Crop Condition by Percent

	VP	P	F	G	EX
AR	0	1	7	57	35
CA	1	4	42	51	2
LA	0	3	19	63	15
MS	0	2	22	68	8
TX	1	3	18	56	22
ALL	0	3	23	63	11
Prev Wk	0	3	23	63	11
Prev Yr	1	7	34	51	7

Crop Progress and Condition

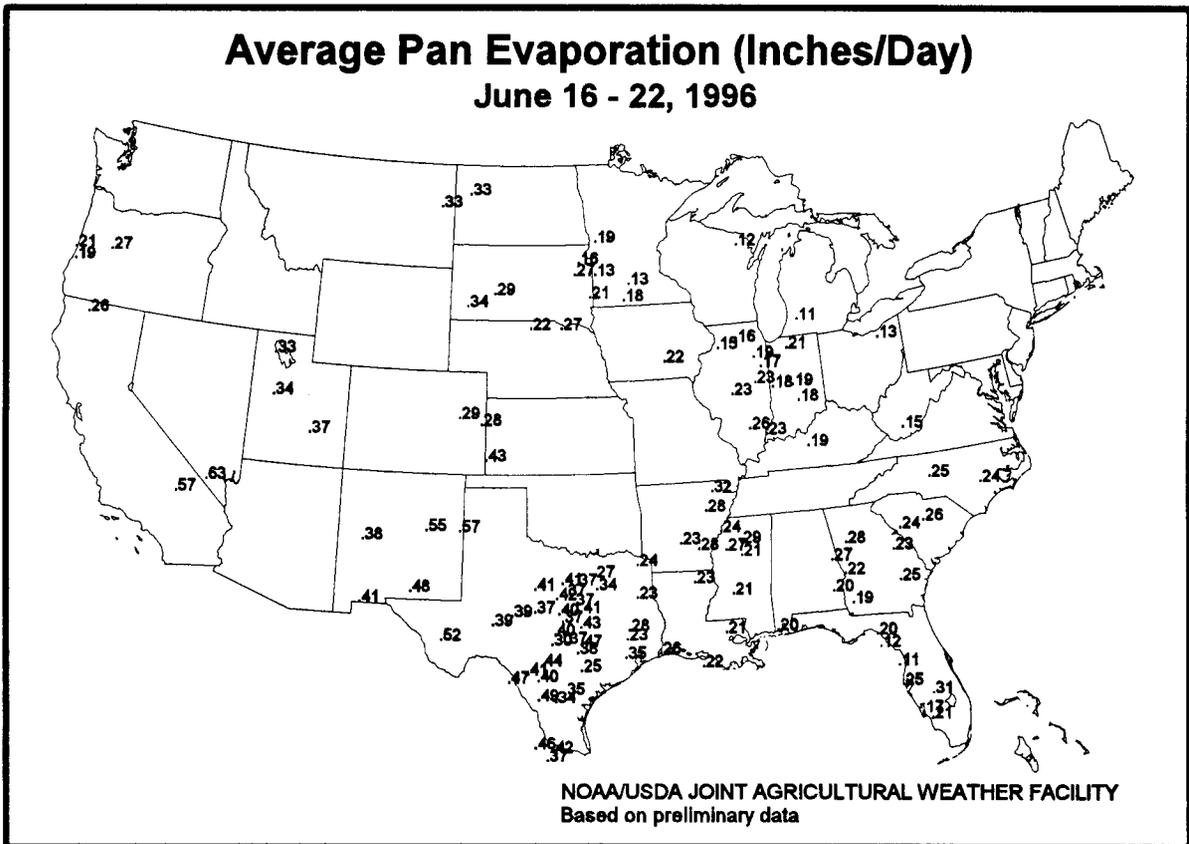
Week Ending June 23, 1996

Oats Crop Condition by Percent					
	VP	P	F	G	EX
IA	1	5	28	57	9
MI	1	7	36	42	14
MN	0	3	31	60	6
NE	2	9	27	52	10
ND	0	3	22	69	6
OH	2	11	43	39	5
PA	2	7	32	52	7
SD	1	4	24	62	9
WI	0	3	23	59	15
ALL	1	4	27	59	9
Prev Wk	0	4	26	61	9
Prev Yr	NA	NA	NA	NA	NA

Peanuts Crop Condition by Percent					
	VP	P	F	G	EX
AL	0	1	28	71	0
FL	0	0	35	45	20
GA	0	3	21	67	9
NC	0	0	20	68	12
OK	0	8	39	52	1
SC	0	0	27	68	5
TX	2	20	40	32	6
VA	0	0	15	45	40
ALL	0	5	27	59	9
Prev Wk	0	3	31	60	6
Prev Yr	NA	NA	NA	NA	NA

Barley Crop Condition by Percent					
	VP	P	F	G	EX
ID	0	1	5	55	39
MN	1	6	41	51	1
MT	0	4	24	56	16
ND	0	4	20	65	11
SD	1	3	17	67	12
WA	4	14	32	36	14
ALL	0	4	22	59	15
Prev Wk	0	4	24	59	13
Prev Yr	NA	NA	NA	NA	NA

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



State Agricultural Summaries

These summaries, issued weekly through the summer growing season, provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at "http://www.usda.gov/nass/."

ALABAMA: Topsoil 3% very short, 27% short, 66% adequate, 4% surplus. Corn 53% silked, 54% 1995, 45% avg.; 5% dented, 4% 1995, 5% avg.; 1% very poor, 2% poor, 30% fair, 51% good, 16% excellent. Wheat 75% harvested, 84% 1995, 71% avg. Livestock 2% poor, 44% fair, 48% good, 6% excellent. Hot conditions with scattered showers prevailed in most localities.

ALASKA: Topsoil 65% short, 35% adequate. Subsoil 50% short, 50% adequate. Crop growth 40% slow, 50% moderate, 10% rapid. Small grain height averaged 8 in., 1 in. less than 1995. Barley development 85% preboot, 15% inboot by week's end. Condition of barley 50% poor, 35% fair, 15% good. Commercial potato height averaged 2 in., compared with 3 in. 1995; emergence was 45%. Pasture feed 50% poor, 35% fair, 10% good, 5% excellent.

ARIZONA: Above-normal temperatures continue aiding cotton; insect pressure, fruit retention concerning growers. Cotton setting bolls 33%, 17% 1995, 20% avg. Small grains 100% mature. Harvest 95%, 70% 1995. Condition 2% fair, 68% good, 30% excellent. Alfalfa harvest 81% active, 19% not being harvested; 5% poor, 5% fair, 59% good, 31% excellent. Summer melon season remains active. Watermelon, cantaloupe, honeydew, specialty melons shipped by western, central growers. Chile peppers also harvested from western areas. Central growers also harvested sweet corn, green onions, carrots. Eastern growers harvested dry onions, tomatoes. Citrus harvest wrapped up in western areas. Central citrus growers continue to harvest decreasing amounts of grapefruit, Valencia oranges. Table grape harvest was active in western, central vineyards.

ARKANSAS: Soil moisture 26% short, 68% adequate, 6% surplus. Main farm activities of the week were planting soybeans, cultivating, fertilizing cotton, fertilizing, and flooding rice fields, harvesting wheat and hay. Soybean planting continued. Some replanting of soybeans was reported in St. Francis, Prairie Counties. Numerous counties reported pin-head applications were made in cotton fields. Cotton cultivation, fertilization were also reported by many counties. Spraying cotton for boll weevils, plant bugs was also reported by numerous counties. Some cotton fields in Clay County were also being sprayed for aphids. Rice fields were fertilized and flooded in several counties. Mississippi County reported scouting rice for water weevils. Chinch bugs were still a problem in some sorghum fields in Lincoln County. Lincoln County also reported aphids build up in some corn fields. Rainfalls decreased wheat test weight in Monroe County. Tomato harvest continued in Bradley County. Blueberry harvest was underway in Benton and White Counties. Blackberry harvest was also reported in White County. Livestock were in good condition statewide. Flies, ticks continued to be problem in Van Buren County. Hay harvest continued.

CALIFORNIA: Field activities made good progress under favorable weather conditions in most areas. Grain harvest of wheat, barley, oats was in full swing in the San Joaquin, Sacramento valleys, was virtually complete in the desert counties. Straw was baled or burned from the small grain stubble, the ground was prepared for second crop plantings. Cotton was cultivated, irrigated, sprayed for aphids, lygus, mites. San Joaquin Valley cotton fields continued squaring, blooming, while desert area fields were setting bolls. Rice fields were treated for weeds, water weevils. Sugar beets, garbanzo beans were harvested in the San Joaquin Valley. Corn, dry beans, sorghum were planted following the harvest of small grain crops. Blackeye beans, corn, seed alfalfa, sorghum were sprayed for aphids, lygus, mites. Early-planted corn was tasseling in Tulare County. Safflower was blooming in most areas. Blackeye beans, seed alfalfa were blooming in the San Joaquin Valley. Alfalfa, sudangrass were cut for hay or green chopped. Normal cultural

practices in orchards, vineyards continued. Fresh grape picking remained active in the Coachella Valley, while harvest was just beginning in the southern San Joaquin Valley. Some grapes suffered burn damage, due to the hot weather. Sulfur dusting, weed control, cultivation, irrigation, insect control continued in vineyards. Apple orchards were thinned, irrigated, treated for moths. Apricots, freestone peaches, plums, nectarines were picked. Walnuts were treated for aphids, almonds were treated for mites. Lemon harvest continued active, while Valencia orange harvest wound down. Strawberry picking remained active. Artichokes continued to be harvested in Monterey County. Broccoli, cauliflower were harvested in Monterey, San Luis Obispo Counties. Squash harvest in Tulare County was rapidly winding down. The asparagus harvest neared completion. Processing tomatoes were cultivated, treated for insects. Fresh market tomato harvest began in the San Joaquin Valley. Potatoes in Siskiyou County required frost protection, due to cool morning temperatures. Potatoes in Kern County were harvested. Melons were sprayed for flea beetle, aphid. Onion, bell pepper harvests continued. Planting of sweetpotatoes in Merced County was complete. Watermelons were harvested in Fresno County, treated for aphids in Sutter County. Rangeland vegetation was rapidly drying. Forage quality remained good, was gradually declining at lower elevations. Calves were still showing good weight gains. Supplemental feeding was increasing. Livestock movement was slow to moderate. Some ranchers were shipping out calves, cull cows.

COLORADO: Topsoil 6% very short, 21% short, 71% adequate, 2% surplus. Subsoil 13% very short, 29% short, 57% adequate, 1% surplus. Spring barley 78% headed, 35% 1995, 29% avg.; 42% turning color, 1% 1995, 1% avg.; 1% very poor, 7% poor, 20% fair, 56% good, 16% excellent. Oats 47% headed, 21% 1995, 38% avg.; 2% turning color, 4% 1995, 1% avg.; 1% very poor, 10% poor, 19% fair, 55% good, 15% excellent. Dry onions 1% poor, 10% fair, 60% good, 29% excellent. Spring wheat 38% headed, 35% 1995, 26% avg.; 11% turning color, 0% 1995, 0% avg.; 1% very poor, 12% poor, 22% fair, 54% good, 11% excellent. Sorghum 79% emerged, 60% 1995, 60% avg.; 4% poor, 22% fair, 64% good, 10% excellent. Winter wheat 64% turning color, 51% 1995, 48% avg. Sugar beets 92% thinned, 29% 1995, 79% avg.; 2% poor, 11% fair, 62% good, 25% excellent. Summer potatoes 4% very poor, 4% poor, 9% fair, 53% good, 30% excellent. Fall potatoes 90% emerged, 66% 1995, 73% avg.; 8% poor, 22% fair, 55% good, 15% excellent. Dry beans 99% planted, 52% 1995, 77% avg.; 93% emerged, 31% 1995, 54% avg.; 3% poor, 10% fair, 63% good, 24% excellent. Alfalfa hay 77% 1st cutting, 41% 1995, 46% avg.; 1% very poor, 6% poor, 23% fair, 55% good, 15% excellent.

DELAWARE: Topsoil 70% adequate, 30% surplus. Subsoil 75% adequate, 25% surplus. Winter wheat 2% poor, 29% fair, 50% good, 19% excellent; 91% turning, 98% 1995, 86% avg. Barley 2% poor, 35% fair, 53% good, 10% excellent; 53% harvested, 73% 1995, 71% avg. Sorghum 58% planted, 92% 1995, 96% avg. Soybeans 52% planted, 66% 1995, 70% avg. Sweet corn 95% planted, 97% 1995, 96% avg. Tomatoes 88% planted, 99% 1995, 100% avg. Green peas 70% harvested, 64% 1995, 66% avg. Lima beans 23% planted, 36% 1995, 55% avg. Apples 6% fair, 90% good, 4% excellent. Peaches 13% fair, 79% good, 8% excellent. Strawberries 93% harvested, 97% 1995, 98% avg. Alfalfa hay 93% first cutting, 100% 1995, 99% avg. Other hay 91% first cutting, 99% 1995, 100% avg.; 6% second cutting, 30% 1995, 9% avg. Hay supplies 10% very short, 24% short, 65% adequate, 1% surplus. Activities: Planting field crops, vegetables, cutting hay when weather permits.

FLORIDA: Topsoil moisture mostly adequate Panhandle, mostly adequate to surplus Peninsula. Tobacco harvest underway. Harvesting

corn for silage underway. Haying active. Peanuts pegged 64%. Peanuts fair 35%, good 45%, excellent 20%. Scattered rains of varied amounts continued to fall over much of the State. Daytime temperatures continued to reach into the upper 80s, low 90s. Frequent rains caused no significant harvesting delays in the northern, central areas. Palmetto-Ruskin region received some spotty hail, varied amounts of rain ranging up to 8 in. Vegetable volume leaders: watermelons, tomatoes, potatoes, sweet corn, peppers, eggplant, cucumbers, celery, okra, squash. Citrus groves good condition, abundant rain, lots of new foliage. New crop fruit doing well. Valencia harvest slowed by rain, limited supplies. Grapefruit harvest all, over for the year. Caretakers cutting cover crops, spraying, fertilizing, herbiciding. Pasture feed fair 40%, good 55%, excellent 5%. Rained throughout most of State, some localized flooding north-central, southeast. Some smut grass problem southeast. Condition of cattle herds: poor 5%, fair 30%, good 60%, excellent 5%.

GEORGIA: Soil moisture 5% very short, 33% short, 58% adequate, 4% surplus. Corn 21% dough, 56% 1995, 46% avg.; 1% dent, 14% 1995, 14% avg. Cotton 99% planted, 100% 1995, 100% avg.; 5% setting bolls, 11% 1995, 6% avg. Hay 5% poor, 36% fair, 55% good, 4% excellent. Peanuts 75% blooming, 79% 1995, 73% avg. Sorghum 3% poor, 32% fair, 63% good, 2% excellent; 88% planted, 89% 1995, 89% avg. Soybeans 2% poor, 21% fair, 71% good, 6% excellent; 3% blooming, 6% 1995, 4% avg. Tobacco 1% very poor, 3% poor, 29% fair, 55% good, 12% excellent; 4% harvested, 9% 1995, 7% avg. Watermelons 2% poor, 34% fair, 58% good, 6% excellent; 18% harvested, 24% 1995, 18% avg. Apples 2% very poor, 1% poor, 4% fair, 93% good, 0% excellent. Peaches 90% very poor, 5% poor, 5% fair; 60% harvested, 61% 1995, 58% avg. Pecans 9% poor, 39% fair, 47% good, 5% excellent. Hot, humid weather, conditions steady. Soil moisture beginning to fade. Corn development 1 to 2 weeks late, cotton ahead of normal, peanuts normal. Wheat, watermelons, other vegetable harvests near normal. Activities: Harvesting wheat, vegetables, tobacco, hay. Planting soybeans. Controlling weeds in peanuts, soybeans, cotton. Sucker control in tobacco. Applying growth regulators, nitrogen to cotton.

HAWAII: Frequent showers slowed fieldwork, adversely affected some crops. Papaya production seasonally higher. Banana production steady, increase expected with warm weather, good rains. Watermelon harvesting active; heavier for holiday. Farmers began using recently clear pesticide to combat Diamondback moth infestations on head cabbage and Chinese cabbage. Ginger root planting completed for next season harvest.

IDAHO: Frost experienced in many areas on Wednesday. Some damage to corn, dry beans, potatoes. Unknown how small grains were affected at this time. Topsoil 23% short, 73% adequate, 4% surplus. Potatoes emerged 93%, 84% 1995, 90% avg. Potatoes 12 inches high 28%. Potatoes closing middles 7%. Spring wheat jointed 87%; booting 62%. Barley jointed 82%; booting 63%. Alfalfa Hay harvested (1st cutting) 62%, 52% 1995, 66% avg. Oats emerged 97%, 98% 1995, 98% avg. Dry beans planted 96%, 90% 1995, 96% avg.; emerged 80%, 75% 1995, 81% avg. Dry peas emerged 99%, 98% 1995, 99% avg. Sugar beets thinned 94%, 70% 1995, 88% avg. Field corn emerged 99%, 92% 1995, 97% avg. Cherries harvested 4%, 6% 1995, 19% avg. Pasture feed, range 1% poor, 11% fair, 53% good, 35% excellent. Irrigation water supply 1% fair, 38% good, 61% excellent. Activities: Inspecting crops for frost damage, harvesting alfalfa hay, planting dry beans, irrigating, cultivating, spraying potatoes for late blight.

ILLINOIS: Topsoil 1% short, 54% adequate, 45% surplus. Hot weather helped crops to develop rapidly. In most areas, corn looks good, behind in development. There is extreme variation in corn height. In some areas across the State, the fields are still drying out. More dry weather is needed to complete planting of soybeans. Wheat harvest began this past week in the far southern part of the State. Haying is slow due to high humidity, moisture content of the crop. Fieldwork activities were planting where possible, spraying, mowing, cutting hay. Corn height 16 in., 12 in. 1995, 25 in. avg. Winter wheat 91% filled,

98% 1995, 99% avg.; 68% turning yellow, 94% 1995, 93% avg.; 15% ripe, 59% 1995, 50% avg. Oats 38% headed, 72% 1995, 80% avg.; 11% filled, 30% 1995, 46% avg.; 1% turning yellow, 4% 1995, 13% avg.; 1% very poor, 9% poor, 31% fair, 51% good, 8% excellent. Alfalfa 67% first cutting, 92% 1995, 96% avg.; 3% second cutting, 5% 1995, 14% avg.; 1% very poor, 8% poor, 28% fair, 52% good, 11% excellent. Red clover 66% cut, 80% 1995, 85% avg.; 1% very poor, 2% poor, 23% fair, 56% good, 18% excellent.

INDIANA: Topsoil 44% adequate, 56% surplus. Subsoil 40% adequate, 60% surplus. Percentage of corn, soybeans planted are both record lows for this date. Corn planting 22 days behind average, soybean planting 26 days behind average. Replanting of drowned out spots will be necessary in many corn, soybean fields. Sunshine, warm weather have helped corn, soybean growth. Winter wheat harvest started in a few scattered fields in southwestern regions. Weeds, disease problems evident in some wheat fields. Transplanting tobacco 65% complete, 88% 1995, 94% avg. First cutting of alfalfa hay 65% complete, 91% 1995, 94% avg. Activities: Cultivating corn, spraying, tilling, side dressing corn, hay equipment maintenance, purchasing shorter season seed corn, soybeans, mowing fence rows, care of livestock.

IOWA: Topsoil short 1%, adequate 47%, surplus 52%. Subsoil short 1%, adequate 58%, surplus 41%. Storms last week caused localized flooding, soil erosion, hail damage, ponding in low lying areas across State with the hardest hit areas in the northern, western sections of State. Crops beginning to show signs of stress from too much moisture, producers finding it difficult to control weeds due to their inability to get into fields, cultivate or apply herbicides. East-central, southern districts, for the most part, were a little drier last week and were able to make good progress. Corn cultivated 1st time 25%, 42% 1995, 58% avg.; tallest height of corn 18 inches; average height of corn 11 inches. Soybeans emerged 85%, 85% 1995, 88% avg.; replanted or to be replanted 3%. Oats headed 30%, 50% 1995, 67% avg. Alfalfa hay 1st harvest 57%, 78% 1995, 78% avg. Hay 2% very poor, 6% poor, 29% fair, 53% good, 10% excellent. Winter wheat 1% very poor, 12% poor, 43% fair, 42% good, 2% excellent. Livestock reported in mostly good condition. Muddy feedlots, pastures, the lack of sunshine were the only problems mentioned.

KANSAS: Topsoil 4% very short, 25% short, 67% adequate, 4% surplus. Subsoil 3% very short, 20% short, 76% adequate, 1% surplus. Wheat harvest is in full swing. Most harvest activity thus far has been in the southern districts, some harvesting has also occurred in the central, east-central districts. Weeds are a problem in wheat fields in many areas as a result of thin wheat stands, recent wet weather. Sorghum, soybean planting made good progress with all districts averaging at least 3.9 days suitable for fieldwork. Planting progress of both soybeans, sorghum is ahead of the average. Replanting was necessary on some fields washed out by heavy rains or damaged by hail. Weeds are becoming a problem in emerging sorghum, soybeans where wet fields have prevented farmers from cultivating or spraying. Pasture condition continues to make gradual improvement. Feed grain, hay shortages continue to be reported across the State. Feed grain supplies are 37% short, hay 29% short. Alfalfa cut the first time 99% complete, 99% 1995, 98% avg. Alfalfa cut the second time 14% complete, 15% 1995, 23% avg. Activities: Planting fall crops, harvesting alfalfa, preparing for wheat harvest.

KENTUCKY: Hot with generally drier conditions. Topsoil 3% short, 71% adequate, 26% surplus. Subsoil 1% short, 68% adequate, 31% surplus. Blue mold, other disease, insect pressure low in tobacco. Set tobacco 1% very poor, 6% poor, 30% fair, 52% good, 11% excellent. Average height emerged soybeans 4.00 in. Wheat harvest advanced to 20%. Head scab main disease concern. Early wheat yields highly variable. Barley 80% harvested. Sorghum 35% planted. Hay baling active, 20% of alfalfa second cutting complete some just finishing first cutting. Pasture feed 1% very poor, 3% poor, 26% fair, 56% good, 14% excellent.

LOUISIANA: Soil moisture 1% very short, 15% short, 68% adequate, 16% surplus. Corn 1% poor, 12% fair, 75% good, 12% excellent; 93% silked, 86% 1995, 87% avg.; 36% dough, 48% 1995, 45% avg.; 0% mature, 4% 1995, 2% avg. Cotton 1% setting bolls, 22% 1995, 9% avg. Cotton farmers continued to spray to control insect, weed populations. Hay first cutting 88%, 77% 1995, 77% avg. Hay producers were forced out of the fields by rain. Peaches 38% harvested, 26% 1995, 35% avg. Rice growers applied fungicides to combat sheath blight. Sorghum 23% fair, 69% good, 8% excellent; 13% headed, 10% 1995, 16% avg. Soybeans 2% poor, 19% fair, 70% good, 9% excellent; 93% emerged, 89% 1995, 78% avg.; 10% blooming, 5% 1995, 2% avg. Soybean condition improved with added moisture. Sugarcane 2% very poor, 8% poor, 29% fair, 49% good, 12% excellent. Sugarcane farmers finished laying by their crop. Sweetpotatoes 80% planted, 78% 1995, 72% avg.; planting began winding down. Wheat 4% poor, 28% fair, 53% good, 15% excellent; 100% harvested, 97% 1995, 95% avg. Wheat harvest reached completion with growers reporting better than expected yields. Livestock 9% poor, 32% fair, 55% good, 4% excellent. Vegetables 6% poor, 32% fair, 57% good, 5% excellent. Vegetable producers were harvesting tomatoes, peppers, squash, cantaloupes. Pasture feed 9% poor, 37% fair, 43% good, 11% excellent. Pasture growth picked up with added moisture.

MARYLAND: Topsoil 12% short, 69% adequate, 19% surplus. Subsoil 5% short, 72% adequate, 23% surplus. Winter wheat 9% very poor, 7% poor, 40% fair, 42% good, 2% excellent; 88% turned, 90% 1995, 85% avg. Barley 11% very poor, 7% poor, 34% fair, 45% good, 3% excellent; 41% harvested 62% 1995, 61% avg. Rye 4% very poor, 7% poor, 21% fair, 63% good, 5% excellent; 72% turned, 89% 1995, 89% avg.; 29% harvested, 19% 1995, 23% avg. Soybeans 58% planted, 73% 1995, 72% avg. Tobacco 97% transplanted, 99% 1995, 93% avg. Sorghum 52% planted, 89% 1995, 92% avg. Sweet corn 94% planted, 93% 1995, 95% avg. Tomatoes 96% planted, 94% 1995, 97% avg. Alfalfa hay 84% first cutting, 99% 1995, 99% avg.; 23% 2nd cutting, 23% 1995, 25% avg. Other hay 78% first cutting, 92% 1995, 94% avg.; 5% second cutting, 7% 1995, 7% avg. Hay supplies 5% very short, 12% short, 80% adequate, 3% surplus. Apples 8% fair, 88% good, 4% excellent. Peaches 4% fair, 96% good. Strawberries 83% harvested, 89% 1995, 93% avg. Activities: Planting field crops vegetables, cutting hay when weather permits.

MICHIGAN: Heavy rains dominated most of the week. Precipitation for Monday was near record levels. Planting, hay harvest were stalled for most of the week. Fields were excessively wet. If they have planted crops, farmers cannot get into the fields to spray for weeds. Thumb area reported excessive rains that caused some flooding in areas. Fields that steady rain had not damaged have been damaged by ditches overflowing their banks, flooding adjacent fields. Feed supplies were short due to slow hay harvest. Topsoil 21% adequate, 79% surplus. Subsoil moisture 24% adequate, 76% surplus. Corn emerged 94%, 99% 1995, 99% avg.; height 6 in., 14 in. 1995, 18 in. avg. Fieldwork came to a standstill again due to heavy rains across much of the State. Corn continued to be damaged by the heavy rains, there were reports of flooding problems in some areas. Producers were also having problems getting into the fields for pest control. Drybeans planted 25%, 95% 1995, 88% avg. Soybeans emerged 72%, 88% 1995, 93% avg. Soybean, drybean growers continued to experience planting delays. Potato emerged 95%, 96% 1995, NA avg. All hay, first cutting, 27%, 79% 1995, 68% avg.; 4% very poor, 8% poor, 29% fair, 43% good, 16% excellent. Winter wheat headed 90%, 97% 1995, 93% avg. Pasture feed 1% very poor, 5% poor, 25% fair, 45% good, 24% excellent. *Fruit development 5 to 7 days behind normal. Soggy soils kept growers out of their orchards much of the week. Hand thinning of peaches began. Powdery mildew was visible on some peaches. Fire blight strikes were observed. Insect pests were at low to normal levels. Tart cherries were passed pit hardening in the southwest 11-12 mm in the northwest. Harvest will commence about July 10 in the southwest, one week behind normal. Plums were 11-15 mm in diameter. Blueberries were at petal fall to pea-sized berries. Grape bloom continued. Peaches were at June drop in the southwest. Sweet cherries were sizing well. Pears were at about 1/2 inch. Apples were at 22 mm in the Grand Rapids area. Fruit*

sets there were moderate to light. Major activities for the week included planting dry beans and soybeans, spraying fruit trees, harvesting strawberries and asparagus and waiting for things to dry out.

MINNESOTA: Topsoil 1% very short, 16% short, 57% adequate, 26% surplus. Corn 99% emerged, 99% 1995, 97% avg.; 41% cultivated, 58% 1995, 56% avg.; 11 in. height, 15 in. 1995, 18 in. avg. Soybeans 95% emerged, 93% 1995, 89% avg.; 15% cultivated, 29% 1995, 33% avg.; 4 in. height, 5 in. 1995, 6 in. avg. Spring wheat 99% emerged, 99% 1995, 99% avg.; 42% jointing, 79% 1995, 85% avg.; 7% heading, 19% 1995, 33% avg. Oats 66% jointing, 80% 1995, 87% avg.; 13% heading, 27% 1995, 43% avg. Barley 99% emerged, 99% 1995, 99% avg.; 33% jointing, 74% 1995, 86% avg.; 12% heading, 18% 1995, 38% avg. Alfalfa 71% first cutting, 80% 1995, 79% avg. Pasture feed 7% poor, 31% fair, 54% good, 8% excellent. Oats 3% poor, 31% fair, 60% good, 6% excellent. Barley 1% very poor, 6% poor, 41% fair, 51% good, 1% excellent. Corn 5% poor, 34% fair, 56% good, 5% excellent. Spring wheat 1% very poor, 4% poor, 42% fair, 51% good, 2% excellent. Sugar beets 2% poor, 42% fair, 54% good, 2% excellent. Soybeans 2% very poor, 5% poor, 37% fair, 53% good, 3% excellent.

MISSISSIPPI: Soil moisture 3% very short, 17% short, 68% adequate, 12% surplus. Corn 66% silked, 67% 1995, 54% avg.; dough 18%, 23% 1995, 14% avg.; 1% very poor, 9% poor, 16% fair, 61% good, 13% excellent. Soybeans 98% planted, 96% 1995, 83% avg.; 96% emerged, 86% 1995, 74% avg.; 22% blooming, 11% 1995, 3% avg.; 1% very poor, 5% poor, 18% fair, 61% good, 15% excellent. Wheat 96% harvested, 90% 1995, 77% avg.; Hay (cool season) 99% harvested, 99% 1995, NA avg. Hay (warm season) 35% harvested 43% 1995, NA avg.; 3% very poor, 16% poor, 33% fair, 43% good, 5% excellent. Peaches 48% harvested, 20% 1995, 36% avg.; 38% very poor, 38% poor, 20% fair, 4% good.; Peanuts 100% planted, 100% 1995, 95% avg.; 11% fair, 60% good, 29% excellent. Sweet potatoes 64% planted, 76% 1995, 79% avg.; 7% fair, 80% good, 13% excellent. Watermelons 6% poor, 29% fair, 47% good, 18% excellent. Blueberries 11% very poor, 40% poor, 19% fair, 22% good, 8% excellent. Cattle 1% very poor, 7% poor, 29% fair, 51% good, 12% excellent. Pasture feed 2% very poor, 13% poor, 30% fair, 46% good, 9% excellent. Main farming activities: Harvesting wheat, hay. Most areas of the State have received rain, some areas still need more moisture. Cotton, soybean producers are busy with controlling insects, weeds in fields. Insect pressure is building with some producers spraying fields for boll weevil pin head treatment.

MISSOURI: Topsoil 11% short, 67% adequate, 22% surplus. A period of sustained hot, dry weather enabled Missouri farmers to make significant soybean, sorghum planting progress across the State. Favorable weather conditions also allowed for major progress with haying activities as well as with the wheat harvest across the southern third of the State. Single-crop soybean planting is 82% complete, with progress ranging from 65% northeast, to around 90% or more west-central, central, southwest, south-central, southeast. Thirteen percent of the double-crop beans are in the ground, led by 22% planted in the Bootheel. Southeastern district leads the State with fifteen percent of the corn crop silking. Around 75% of the sorghum crop has been planted across the northern third, east-central regions; all other districts indicate over 90% planted. Eighty-six percent of the wheat crop is turning color across the State; around 40% of the wheat crop has been harvested southeast, south-central, followed by 20% southwest. Wheat harvest is just beginning across the central third, has yet to commence northern third. Oats harvested 2%, 0% 1995, 4% avg. Alfalfa first cutting 83%, 75% 1995, 90% avg.; second cutting 7%, 4% 1995, 12% avg. Other hay cut 50%, 47% 1995, 60% avg. Pasture, range feed 1% very poor, 12% poor, 41% fair, 40% good, 6% excellent. Most districts indicate a majority of pastures fair to good condition, although west-central district shows around 30% poor condition.

MONTANA: Topsoil 4% very short, 36% short, 56% adequate, 4% surplus. Subsoil 3% very short, 19% short, 73% adequate, 5% surplus. Spring grains look good. Localized hail, frost damage reported. Some areas in need of moisture. Winter wheat 39% headed, 38% 1995, 62%

avg. Oats 2% poor, 19% fair, 57% good, 22% excellent; 99% emerged, 99% 1995, 99% avg.; 15% Boot, 36% 1995, 45% avg.; 3% headed, 5% 1995, 12% avg. Corn 99% emerged, 99% 1995. Dry beans 100% emerged, 99% 1995. Potatoes 85% emerged, 54% 1995. First cutting alfalfa 11% complete, 9% 1995, 21% avg. First cutting other hay 8% complete, 8% 1995, 13% avg.

NEBRASKA: Topsoil 9% short, 79% adequate, 12% surplus. Subsoil 8% short, 86% adequate, 6% surplus. Hot, dry weather conditions for much of last week continued to promote rapid crop, pasture development. However, thunderstorms hit northeast, east-central parts of the State on June 19th, 20th, which brought hail, high winds, heavy rain, tornadoes. Storms caused varying degree of crop, property damage ranging from minor damage to total crop loss in some fields. Weekend rainfall over most of the State kept producers out of the field, left water standing in some eastern fields. Wheat 37% turning color, 39% 1995, 65% avg.; reporters in southern parts of the State expect test cutting to begin the first week of July. Corn: producers were busy cultivating, spraying for weeds before the rainfall occurred; corn borer moths were noticed in the central, east-central parts of the State; localized damage, some severe, occurred from hailstorms of the 19th, 20th in the northeast, east-central districts. Soybeans 1% very poor, 3% poor, 18% fair, 66% good, 12% excellent; 91% emerged, 75% 1995, 92% avg. Sorghum 1% very poor, 2% poor, 26% fair, 64% good, 7% excellent; 92% emerged, 66% 1995, 92% avg. Alfalfa 2% very poor, 6% poor, 26% fair, 51% good, 15% excellent; 84% 1st cutting, 80% 1995, 89% avg. Wild hay 2% poor, 22% fair, 58% good, 18% excellent. Pasture, range feed 2% poor, 18% fair, 68% good, 12% excellent; pasture continued to develop well with good moisture, sunshine; flies were becoming a problem for cattle in the northeast, east-central, southeast parts of the State. Activities, winding up planting, spraying herbicides, cultivating row crops, cutting of alfalfa, grain marketing, farm program sign up, livestock care.

NEVADA: Crop development was about normal for the date, continued dry weather allowed fieldwork to stay on schedule. Barley harvest was ending extreme south, harvest of fall seeded grain for silage continued northwest. All fall seeded grain crops had headed in the principal producing counties, heading of spring seeded grains was well along. Grain crop condition good to excellent most areas, smut remained evident in some Churchill County barley. Alfalfa first cutting made good progress in the northern counties, third cutting was getting underway extreme south. Alfalfa was shorter than usual in the north, alfalfa weevil was requiring more spraying than usual in Lyon County. Much of the first cut alfalfa in Lyon County did not grade excellent. Other hay harvest continued south, central, northwest regions. Leaf cutter bees were hatching in Perching County, where much alfalfa is grown for seed, and alkali bees were flying. Onion fields were being weeded. Branding, vaccinating, movement of cattle to summer ranges continued. Some sheep shearing continued. Main farm and ranch activities: Irrigating, fertilizing, spraying for weeds and insects, haying.

NEW ENGLAND: Topsoil 3% short, 74% adequate, 23% surplus. Subsoil 1% short, 78% adequate, 21% surplus. Pasture feed 4% fair, 60% good, 36% excellent. Maine potatoes 100% planted, 100% 1995, 100% avg.; 95% emerged, 65% 1995, 80% avg.; good. Massachusetts potatoes 100% planted, 100% 1995, 100% avg.; 100% emerged, 99% 1995, 100% avg.; good. Rhode Island potatoes 100% planted, 100% 1995, 100% avg.; 100% emerged, 100% 1995, 100% avg.; good. Maine oats 100% planted, 100% 1995, 99% avg.; 100% emerged, 100% 1995; good. Maine barley 100% planted, 100% 1995, 100% emerged, 100% 1995; good/excellent. Field corn 99% planted, 99% 1995, 99% avg.; 90% emerged, 90% 1995, 90% avg.; good. Sweet corn 95% planted, 90% 1995, 90% avg.; 85% emerged, 85% 1995, 85% avg.; good. Shade tobacco 100% planted, 100% 1995; good. Outdoor tobacco 80% planted, 90% 1995; good. First hay 35% harvested, 70% 1995, 65% avg.; good. Apples set and size average, condition good/fair. Peaches size, set average, condition good. Pears set and size average, condition good. Strawberries 15% harvested, set and size average, condition good. Cranberries at bud to early bloom, size average, condition good. Highbush blueberries set and size average, condition good. Wild blueberries set above average, condition

good. Dry weather early last week provided good hay, haylage making conditions. Rain over the weekend ended the hay harvest for the week. Some early corn is in silk stage and late fall crops are being planted. Major farm activities: Cultivating row crops, side dressing vine crops; harvesting summer squash, spinach, lettuce, radishes. Fungicide sprays are being applied to fruits, vegetables.

NEW JERSEY: Topsoil moisture reported as adequate to surplus. Cooler weather needed. Strawberry harvest complete. Harvest of green beans, cucumbers, tomatoes reported. Peaches, apples continue to size well. Harvesting of blueberries reported. Wheat, barley crops are browning. Harvest of barley expected soon. Pasture conditions are good.

NEW MEXICO: Soil moisture 55% very short, 40% short, 5% adequate. Temperatures above normal, most of the State was hot, dry. Portions of the eastern plains saw some substantial precipitation. Corn 1% poor, 26% fair, 65% good, 8% excellent. Cotton 1% very poor, 6% poor, 25% fair, 38% good, 30% excellent; cotton squaring reported at 50%, 19% 1995, 37% avg. Total sorghum planting showed marked increase due to moisture received previous two weeks; 52% planted, 84% 1995, 77% avg. Sorghum 61% very poor, 18% poor, 19% fair, 2% good. Alfalfa 1% very poor, 8% poor, 16% fair, 60% good, 15% excellent; second cutting 65% complete with third cutting underway in many areas. Chile 1% poor, 17% fair, 53% good, 29% excellent continued to show slight improvement. Onion condition 10% fair, 35% good, 55% excellent with 45% of the harvest complete; pecans 10% fair, 65% good, 25% excellent. Wheat 45% very poor, 29% poor, 19% fair, 6% good, 1% excellent. Wheat harvested 53%, 22% 1995, 48% avg. Cattle, sheep conditions continued a slight upward trend with cattle at 6% very poor, 26% poor, 52% fair, 16% good; sheep at 10% very poor, 20% poor, 62% fair, 8% good.

NEW YORK: Soil moisture 47% adequate, 40% surplus, 13% excessive. Pasture feed 5% fair, 92% good, 3% excellent. Corn planting 95% finished, 100% 1995, 99% average. Wheat, hay condition good. First cutting alfalfa 65% done, 78% 1995, 71% avg. Clo-Tim 60% harvested, 66% 1995, 60% avg. Dry beans 65% planted. Western area grapes in full bloom. Good apple set in Hudson Valley. Sweet cherry harvest expected to start in early July. Poor pollination responsible for lighter than normal sweet cherry crop. Strawberry harvest in full swing. Vegetable planting winding down. Onions in good condition, sizing well in Orange County.

NORTH CAROLINA: Soil moisture 11% short, 76% adequate, 13% surplus. Sorghum 80% planted, 44% 1995, 73% avg. Burley tobacco 95% transplanted, 97% 1995, 94% avg. Sweetpotatoes transplanted 91%, 83% 1995, 90% avg. Irish potatoes 41% harvested 32% 1995, 40% avg. Hay first cutting 92%, 91% 1995, 90% avg. Hay second cutting 35%, 19% 1995, 31% avg. Crop condition: Tobacco 19% fair, 64% good, 17% excellent; soybeans 1% poor, 12% fair, 79% good, 8% excellent; hay 4% poor 25% fair, 66% good, 5% excellent; Irish potatoes, 6% fair, 90% good, 4% excellent; sweet potatoes 16% fair, 79% good, 5% excellent; apples 40% fair, 52% good 8% excellent; peaches 68% very poor, 19% poor, 12% fair, 1% good; truck crops 15% fair, 73% good, 12% excellent. Activities included: Planting sorghum, soybeans; transplanting burley tobacco, sweet potatoes; cultivating crops; spraying for insects, weed control; harvesting small grains, blueberries, cucumbers, other vegetables; topping tobacco; cutting, baling hay; pasture maintenance; tending livestock; repairing equipment, general farm maintenance.

NORTH DAKOTA: Timely rains late in the week provided needed relief to crops, pastures. Topsoil 1% very short, 12% short, 79% adequate, 8% surplus. Subsoil 10% short, 79% adequate, 11% surplus. Small grain development entered the boot stage at or ahead of last year, well behind average. Durum 6% boot and beyond; 4% 1995; 22% avg. Late season crop emergence virtually complete, ahead of last year, near average. Canola 44% rosette and beyond; flaxseed 97% emerged and beyond; 82% 1995; 96% avg.; corn 99% emerged and beyond; 97% 1995; 99% avg.; dry edible beans 99% emerged and beyond; 95%

1995; 98% avg.; soybeans 98% emerged and beyond; 97% 1995; 98% avg.; sunflower 97% emerged and beyond; 86% 1995; 94% avg.; potatoes 99% emerged and beyond; 93% 1995; 99% avg. Emerged crop condition: durum 3% poor, 31% fair, 58% good, 8% excellent; canola 3% poor, 21% fair, 63% good, 13% excellent; flaxseed 1% poor, 17% fair, 72% good, 10% excellent; corn 2% poor, 17% fair, 72% good, 9% excellent; dry beans 1% very poor, 2% poor, 18% fair, 67% good, 12% excellent; soybeans 4% poor, 29% fair, 62% good, 5% excellent; sunflower 2% poor, 18% fair, 70% good, 10% excellent; sugarbeets 1% very poor, 2% poor, 10% fair, 74% good, 13% excellent; potatoes 1% very poor, 2% poor, 4% fair, 69% good, 24% excellent.

OHIO: Topsoil 1% short, 40% adequate, 59% surplus. Various diseases related to recent wet weather observed in wheat crop. Some wheat fields are reported to have improved with the aid of warmer weather. Alfalfa hay first cutting 56% complete, 81% 1995, 94% avg.; other hay first cutting 40% complete, 71% 1995, 86% avg. Concord grape crop in northern Ohio is in full bloom. Strawberry harvest is 40% complete.

OKLAHOMA: Topsoil 2% very short, 32% short, 65% adequate, 1% surplus. Subsoil 6% very short, 40% short, 53% adequate, 1% surplus. Wheat 41% plowed, 12% 1995, 21% avg.; oats 98% softdough, 83% 1995, 94% avg.; 68% harvested, 30% 1995, 35% avg.; 36% plowed, 5% 1995, 11% avg.; corn 50% tasseling, 7% 1995, 21% avg.; 4% milk-to-soft, 2% 1995, 5% avg.; sorghum 48% up-to-stand, 63% 1995, 71% avg.; 6% headed, 1% 1995, 1% avg.; soybeans 94% planted, 51% 1995, 65% avg.; 77% up-to-stand, 34% 1995, 48% avg.; 8% blooming, 8% 1995, 3% avg.; Peanuts 8% poor, 39% fair, 52% good, 1% excellent; 87% up-to-stand, 64% 1995, 73% avg.; cotton 90% up-to-stand, 61% 1995, 75% avg.; alfalfa 4% poor, 33% fair, 59% good, 4% excellent; 53% 2nd cutting, 51% 1995, 49% avg.; 5% 3rd cutting, 5% 1995, 4% avg.; other hay 48% 1st cutting, 68% 1995, 71% avg.; 5% 2nd cutting, 4% 1995, 9% avg. Livestock 3% poor, 23% fair, 70% good, 4% excellent. Feeder steers and heifers were \$2 to \$3/cwt higher.

OREGON: Topsoil 40% short, 60% adequate. Subsoil 21% short, 79% adequate. Barley 0% harvested, 0% 1995, 1% avg. Activities: Hard freezes damaged field corn, small grain crops, northeastern sections, Klamath Basin. First cutting of hay nearly complete, statewide. Grass seed blooming, Willamette Valley. Summer nursery irrigation, spraying, cultivation underway. Southern coast Easter lily growers weeding, bud picking. Hard freeze burned central, northeastern potatoes, should recover. Klamath Basin potatoes 95% emerged, Malheur County lay-by stage. Willamette Valley vegetables growing fast. Strawberry picking winding down; berry size, quantity small, Willamette Valley. Raspberry picking underway, Willamette Valley. Sweet cherry harvest underway, Willamette Valley, Mid-Columbia region. Cranberry bloom variable; bee activity fair-good, southern coast. Livestock good-excellent. Eastern pasture feed starting to dry out, much excellent feed available. Western pasture feed staying green longer than normal. Sheep shearing continued.

PENNSYLVANIA: Soil moisture 1% short, 49% adequate, 50% surplus. Thunderstorms, flooding, crop damage in southern counties. Up to 12 in. rain over 24 hour period in some areas. Corn height 13 in., 15 in. 1995, 14 in. avg. Tobacco transplanted 75% complete, 93% 1995, 92% avg. Soybeans planted 85% complete, 84% 1995, 91% avg.; 2% poor, 31% fair, 56% good, 11% excellent. Barley 84% turning yellow, 81% 1995, 74% avg.; 45% ripe, 44% 1995, 37% avg.; 7% harvested, 18% 1995, 18% avg. Wheat 50% turning yellow, 52% 1995, 44% avg.; 2% ripe, 2% 1995, 6% avg.; 1% very poor, 7% poor, 22% fair, 57% good, 13% excellent. Alfalfa 1st cutting 68% complete, 69% 1995, 83% avg.; 2nd cutting 9% complete, 11% 1995, 11% avg. Timothy clover first cutting 42% complete, 51% 1995, 66% avg. Quality of hay made 9% very poor, 26% poor, 36% fair, 27% good, 2% excellent. Peach 2% very poor, 7% poor, 36% fair, 49% good, 6% excellent. Apple 4% poor, 49% fair, 40% good, 7% excellent. Activities: Planting soybeans; making hay and haylage; fixing fences; hauling manure; caring for livestock.

PUERTO RICO: No weather data available.

SOUTH CAROLINA: Soil moisture 2% very short, 23% short, 67% adequate, 8% surplus. Barley 83% harvested, 69% 1995, 73% avg.; 2% poor, 39% fair, 59% good. Corn 1% very poor, 3% poor, 18% fair, 52% good, 26% excellent; 73% silked, 74% 1995, 64% avg.; 29% doughed, 25% 1995, 21% avg. Oats 92% harvested, 86% 1995, 80% avg.; 6% poor, 24% fair, 63% good, 7% excellent. Rye 79% harvested, 84% 1995, 70% avg.; 3% very poor, 8% poor, 34% fair, 52% good, 3% excellent. Sorghum 83% planted, 65% 1995, 66% avg.; 8% fair, 53% good, 39% excellent. Tobacco 1% very poor, 2% poor, 10% fair, 65% good, 22% excellent. Wheat 87% harvested, 82% 1995, 78% avg.; 3% poor, 18% fair, 60% good, 19% excellent. Peach harvest 18% complete, 24% 1995, 22% avg.; 15% very poor, 26% poor, 58% fair, 1% good. Watermelons 20% harvested, 39% 1995, 27% avg.; 1% poor, 23% fair, 73% good, 3% excellent. Cantaloups 37% harvested, 42% 1995, 31% avg.; 8% poor, 28% fair, 58% good, 6% excellent. Tomatoes 50% harvested, 50% 1995, 40% avg.; 16% fair, 64% good, 20% excellent. Cucumbers 55% harvested, 52% 1995, 63% avg.; 21% fair, 74% good, 5% excellent. Sweetpotatoes 98% planted, 65% 1995, 81% avg.; 11% poor, 24% fair, 62% good, 3% excellent.

SOUTH DAKOTA: Topsoil 6% short, 61% adequate, 33% surplus. Subsoil 3% short, 54% adequate, 43% surplus. Warm weather boosted crop development, allowed row crop planting to progress ahead of normal. Weed control was the primary concern of farmers with weather conditions hampering cultivating, spraying. Alfalfa weevils, aphids were a major problem in the western half of the State. Barley 47% boot, 27% 1995, 73% avg. Oats 46% boot, 32% 1995, 75% avg. Spring wheat 50% boot, 38% 1995, 78% avg. Corn 99% planted, 95% 1995, 98% avg. Corn height 9 in., 7 in. 1995, 14 in. avg. Flax 97% planted, 95% 1995, 97% avg.; 88% emerged, 87% 1995, 89% avg. Flax 26% fair, 30% good, 44% excellent. Sorghum 2% poor, 28% fair, 63% good, 7% excellent. Soybeans 1% very poor, 4% poor, 25% fair, 57% good, 13% excellent. Sunflowers 83% planted, 71% 1995, 88% avg.; 4% very poor, 1% poor, 21% fair, 54% good, 20% excellent. Winter wheat 64% headed, 82% 1995, 92% avg.; 0% turning color, 1% 1995, 22% avg. Winter rye 79% headed, 94% 1995, 97% avg.; 0% turning color, 1% 1995, 17% avg.; 1% very poor, 9% poor, 41% fair, 46% good, 3% excellent. 1st cutting alfalfa 45% harvested, 46% 1995, 58% avg.; 1% very poor, 9% poor, 24% fair, 53% good, 13% excellent. Other hay 4% harvested, 11% 1995, 16% avg. Livestock 1% poor, 7% fair, 71% good, 21% excellent. Stock water supplies 61% adequate, 39% surplus.

TENNESSEE: Topsoil 8% short, 82% adequate, 10% surplus. Subsoil 5% short, 84% adequate, 11% surplus. Corn 2% poor, 12% fair, 52% good, 34% excellent; 19% tasseled, 39% 1995, 20% avg. Tobacco 3% poor, 23% fair, 65% good, 9% excellent; 92% transplanted, 94% 1995, 97% avg. Wheat 91% ripe, 99% 1995, 93% avg.; 54% harvested, 76% 1995, 60% avg. Sorghum 11% fair, 76% good, 13% excellent; 97% planted, 100% 1995, 96% avg. Alfalfa hay 2% poor, 22% fair, 63% good, 13% excellent; 99% first cutting, 100% 1995, 99% avg. Other hay 1% very poor, 5% poor, 34% fair, 52% good, 8% excellent. Pasture feed 4% poor, 29% fair, 56% good, 11% excellent.

TEXAS: Week highlighted by first day of summer, extremely hot weather many areas. Daily heating helped thunderstorms pop up most areas, but they were scattered. Fieldwork progressed across State, only intermittent delays from scattered showers. A few areas heavier rain kept producers out of fields until midweek. Hot weather rapidly increased drying down crops. Irrigation activity remained active. Scattered rain helped increase greening pastures, forage remains limited most areas.

CROPS: Small grain harvest increased in High Plains, widespread. Irrigated yields average with dryland yields remaining poor. Harvest winding down most north, south-central areas. Corn: hot weather in High Plains made difficult to keep water on fields. Irrigation activity almost non stop. Fields south-central areas continued suffer from hot weather. Fields in Coastal Bend, Rio Grande Valley drying down with

harvest begin soon. Some fields across State continued to be cut for hay with nitrate levels still a concern. Corn dough 39%, 38% 1995, 34% avg.; 13% dented, 11% 1995, 8% avg. Grain sorghum planting increased with improved soil moisture conditions north-central, High Plains fields. Fields south-central areas heading, rapidly turning color with hot weather. Scattered showers provided some relief from hot weather. Harvest begun on few more fields in Coastal Bend, Rio Grande Valley. Sorghum 58% normal compared 77% 1995; 50% headed, 66% 1995, 53% avg.; 27% turning color, 38% 1995, 28% avg.; 12% mature, 15% 1995, 7% avg. Cotton fields in various stages in Plains where some planting, replanting occurred during week. Many young fields showing wind, blowing sand damage. Some seedling disease shown up in wetter areas north-central. Fields southern, coastal areas continued set bolls. A few fields begun to cut out because prolonged dry conditions. Rainfall some areas along Upper Coast improved poorer fields. Cotton 13% setting bolls, 12% 1995, 11% avg.; 2% open bolls, 0% 1995, 0% avg. Rice fields beginning to head along Upper Coast. Rainfall very beneficial. Peanut fields many areas showing improvement from recent rains. Many fields pegging. Planting continued some areas. Soybeans many fields north-central area blooming, with recent rains now look good. Rainfall along Upper Coast also beneficial. Other crops: Oats harvested 84%, 54% 1995, 56% avg.

Commercial Vegetables: Rio Grande Valley, harvest melons, tomatoes winding down many fields. San Antonio- Winter Garden, harvest irrigated watermelons increasing. Onion harvest nearing completion. East, sweet potatoes showing good progress. Tomato, watermelon harvest increasing. Disease problems increased some fields because prolonged wetness. High Plains, potato harvest nearing. Onions, cabbage making good progress. Trans-Pecos, onions, some cantaloups harvested during week. Pecan producers scouting for second generation case bearers some areas. First generation did considerable damage many south-central areas. June nut drop significant many areas.

Range and Livestock: Recent rainfall greened up many pastures; however, more moisture needed as hot summer weather set in. Haying activity very active across State. Sheep producers selling lambs because dry conditions. Small improvement in range, pastures over past few weeks helped cattle prices to improve ever so slightly.

UTAH: Topsoil 10% very short, 43% short, 45% adequate, 2% surplus. Subsoil 10% very short, 35% short, 46% adequate, 9% surplus. Irrigation water supply 7% very short, 18% short, 72% adequate, 3% surplus. Stock water supply 10% very short, 18% short, 69% adequate, 3% surplus. Spring wheat headed 75%, 44% 1995, 67% avg. Barley headed 80%, 43% 1995, 68% avg. Oats headed 24%, 19% 1995, 34% avg. Corn height 15 in., 7 in. 1995, 13 in. avg. Potatoes planted 100%, 94% 1995. Alfalfa hay first cutting 86%, 68% 1995, 77% avg. Other hay cut 17%, 17% 1995, 29% avg. Pasture, range feed 6% very poor, 11% poor, 30% fair, 50% good, 3% excellent. Major farm, ranch activities: Irrigating crops, harvesting alfalfa, other hay, spraying cherries, peaches.

VIRGINIA: Topsoil 1% very short, 15% short, 65% adequate, 19% surplus. Subsoil 11% short, 77% adequate, 12% surplus. Corn 12% fair, 67% good, 21% excellent. Soybeans 55% planted, 64% 1995, 60% avg. Oats 40% harvested, 27% 1995, 39% avg. Winter wheat 10% harvested, 23% 1995, 30% avg.; 11% poor, 32% fair, 49% good, 8% excellent. Barley 55% harvested, 67% 1995, 74% avg.; 6% poor, 35% fair, 49% good, 10% excellent. Cotton 6% poor, 32% fair, 44% good, 18% excellent. Peanuts 0% pegged; 15% fair, 45% good, 40% excellent. Alfalfa 2% poor, 13% fair, 60% good, 25% excellent. Other hay 3% poor, 13% fair, 67% good, 17% excellent. Summer potatoes 10% fair, 74% good, 16% excellent. Fire cured tobacco 14% fair, 71% good, 15% excellent. Flue cured tobacco 15% fair, 67% good, 18% excellent. Burley tobacco transplanted 95%, 93% 1995, 91% avg.; 27% fair, 65% good, 8% excellent. Sun cured tobacco 100% good. Pasture feed 16% fair, 68% good, 16% excellent. Apples 8% very poor, 8% poor, 6% fair, 44% good, 34% excellent. Peaches 5% poor, 20% fair, 60% good, 15% excellent. Activities: Corn planting virtually complete. Soybean planting over 50% complete. Small grain harvest slowed by lodging, drying problems created by numerous thunderstorms, humidity. Some snap beans, squash, potatoes harvested. Vegetables being

irrigated and sprayed with fungicides. Tobacco transplanting nearing completion. Tobacco farmers cultivating, irrigating, laying by, side-dressing. Hay baling slowed by numerous thunderstorms.

WASHINGTON: Topsoil 40% short, 60% adequate; subsoil 25% short, 75% adequate. Cool, dry weather prevailed, not allowing roots on late season spring crops to develop and grow to meet subsoil moisture. Barley stripe rust was reported, not considered significant at this time. Winter wheat, dryland 1% poor, 6% fair, 53% good, 40% excellent; irrigated, 65% good, 35% excellent. Barley, dryland 5% very poor, 15% poor, 35% fair, 30% good, 15% excellent; irrigated, 100% good. Hay, other roughage supplies, 15% short, 75% adequate, 10% surplus. Range, pasture feed, 5% poor, 25% fair, 50% good, 20% excellent. As cool, dry conditions prevailed, hay producers enjoyed perfect harvest conditions. Spring wheat 53% headed, 66% 1995, 79% avg. Dry beans 100% planted, 96% 1995, 98% avg. Alfalfa first cutting 86%, 83% 1995, 86% avg.; second cutting 29%, 10% 1995, 13% avg. Cherry harvest was moving slowly. Early strawberry harvest continued for fresh market, cranberries were in full bloom. Raspberries seemed to be behind schedule. Head, leaf lettuce harvests were in full swing. Green pea crops were being sprayed for weed control. Asparagus harvest neared completion. Cucumber harvest started.

WEST VIRGINIA: Topsoil 4% short, 84% adequate, 12% surplus. Wheat 13% poor, 40% fair, 47% good; 96% headed, 75% 1995, 95% avg. Hay 4% poor, 23% fair, 62% good, 11% excellent; first cutting 47%, 51% 1995, 70% avg. Intended acreage prepared for spring planting 97%, 100% 1995. Corn 12% fair, 83% good, 5% excellent; 92% planted, 98% 1995, 98% avg. Oats 6% fair, 86% good, 8% excellent; 95% emerged, 100% 1995, 100% avg.; 50% headed. Soybeans planted 85%, 79% 1995. Tobacco 14% fair, 86% good; transplanted 94%, 92% 1995, 94% avg. Cattle 12% fair, 81% good, 7% excellent. Sheep 7% fair, 79% good, 14% excellent. Apples 94% fair, 6% good. Peaches 100% fair. Activities: Planting corn, soybeans, cutting and baling hay, transplanting tobacco, preparing for wheat harvest, working livestock, equipment maintenance.

WISCONSIN: Soil moisture 1% short, 34% adequate, 65% surplus. Continued rainfall statewide has caused many problems with crops. Farmers are being challenged by mother nature. Weed, grass problems in corn, soybean fields, seeds that have not emerged rotting in wet areas, cut down hay spoiling. As of June 23, hay harvested was at only 32% complete, compared to 82% 1995, 72%. After the heavy rains, untouched first crop hay was reported as either standing, rotting or laying, rotting. Later harvested first crop hay is expected to be very poor quality. Corn plantings under stress have grown to a statewide average of 6 in. (same height as in 1993), compared to 14 in. 1995. Reporters commented on the continued need for warm weather. Soybean plantings were 85% in the ground, compared to 97% 1995, 95% avg. Emerged oats were starting to head in the southern two-thirds of the State with 10% headed statewide. Reporters in the central, west-central, north central districts commented that potatoes have been growing very well in the cool weather. Wet conditions have caused peas in the southeast district to turn yellow. Winter wheat was reported heading in the southeast, south-central, east-central districts. Winter wheat 1% very poor, 12% poor, 36% fair, 40% good, 11% excellent. Some sweet corn fields have not been planted yet in some southern areas. Barley looks good in the northern part of the State. Pasture feed 4% poor, 14% fair, 55% good, 27% excellent.

WYOMING: Topsoil 66% adequate or surplus. Winter wheat 92% headed, 75% 1995, 80% avg.; 19% turning color, 0% 1995, 10% avg. Barley 76% boot, 57% 1995, 68% avg.; 34% headed, 29% 1995, 42% avg. Oats 58% boot, 25% 1995, 50% avg.; 17% headed, 3% 1995, 16% avg. Spring wheat 47% boot, 20% 1995, 57% avg.; 26% headed, 3% 1995, 26% avg. Sugar beets 81% thinned, 68% 1995, 76% avg. Dry beans 86% emerged, 64% 1995, 72% avg. Alfalfa 1st cutting 28%, 11% 1995, 25% avg. Other hay 5% harvested, 1% 1995, 8% avg. Range flock ewes lambing 96%, 100% 1995, 100% avg. Range, pasture feed 10% fair, 74% good, 16% excellent. Cattle 78%, 72% sheep moved to summer pastures.

International Weather and Crop Summary

June 16 - 22, 1996

HIGHLIGHTS

FSU-WESTERN: Showers favored crop development in Russia, while unfavorable dryness prevailed over Ukraine.

FSU-NEWLANDS: Hot, dry weather promoted rapid spring grain development.

EUROPE: Unfavorable dryness prevailed over northwestern and southeastern Europe.

AUSTRALIA: Beneficial rain swept across the major winter grain areas.

CANADA: Cooler, showery weather returned to the Prairies, maintaining adequate to abundant moisture for grains and oilseeds.

SOUTH ASIA: A cyclone hit northwestern India, causing local flooding but providing long-term moisture for grains, oilseeds, and cotton.

SOUTHEAST ASIA: Seasonable showers continued to cover Indochina and the Philippines, maintaining irrigation supplies for main-season crops.

EASTERN ASIA: Rain aided summer crops and spring wheat across the North China Plain and Manchuria. Heavy rain eased dryness in South Korea and southern Japan, but caused local flooding.

SOUTH AMERICA: Rain continued to increase topsoil moisture for germinating to vegetative winter wheat in southern Brazil. In central Argentina, drier weather allowed wheat planting to progress after last week's beneficial rain.

MEXICO: Rain eased dryness throughout the main Corn Belt, aiding germinating corn.

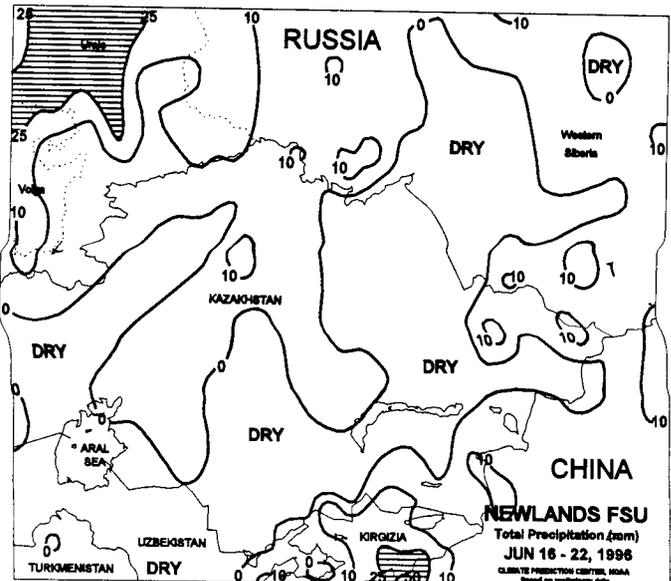
FSU-WESTERN

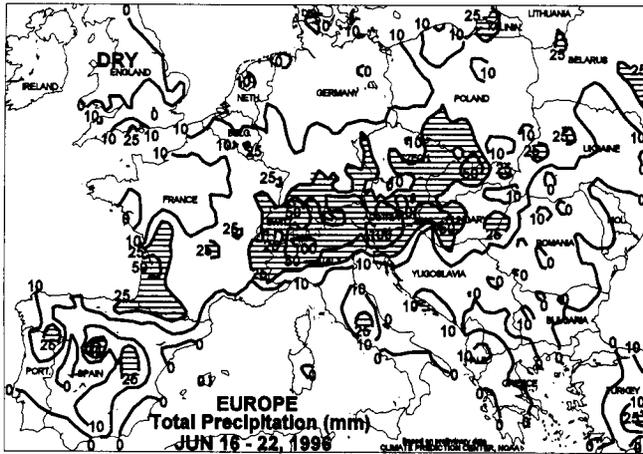
In Russia, light to moderate showers were accompanied by cool weather over most crop areas. The precipitation benefited winter grains in the filling stage and spring grains likely in or nearing the reproductive phase of development. Greatest amounts of rain (25-67 mm) fell over the central North Caucasus, lower Volga Valley, the western portion of the Central Region, and the Northwest Region. Rainfall over the remaining areas ranged from 4 to 23 mm. Weekly temperatures averaged 2 to 4 degrees C below normal over Russia. In Ukraine, continued dry weather over south-central and southeastern areas likely hastened maturity in winter wheat and reduced soil moisture for spring-sown crop development. Elsewhere, light showers (10-25 mm) and cool weather over Belarus and the Baltics benefited winter grains in the reproductive to filling stages of development and spring grains in the jointing stage.



FSU-NEWLANDS

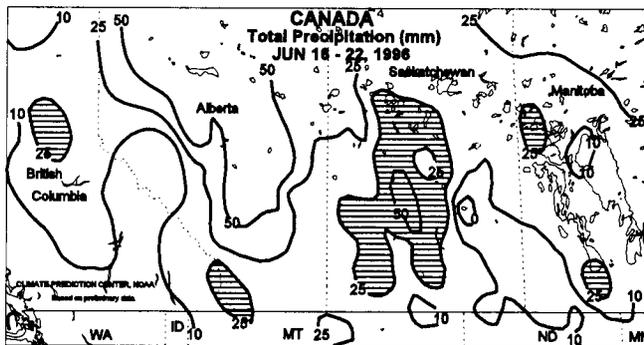
In Russia, dry weather prevailed over most spring grain areas and was accompanied by above-normal temperatures. The exception was the northern Urals, where rainfall ranged from 10 to 44 mm. Weekly temperatures averaged 2 to 6 degrees C above normal in Russian spring grain areas, promoting rapid crop development. In Kazakhstan, hot, dry weather returned to spring grain areas, following last week's beneficial rains. Weekly temperatures averaged 2 to 7 degrees C over Kazakhstan, with highest maximum temperatures ranging from 31 to 37 degrees C. Soil moisture reserves are limited over most of Kazakhstan. As a result, timely rains will be needed in upcoming weeks as spring grains advance through the highly weather-sensitive reproductive phase of development.





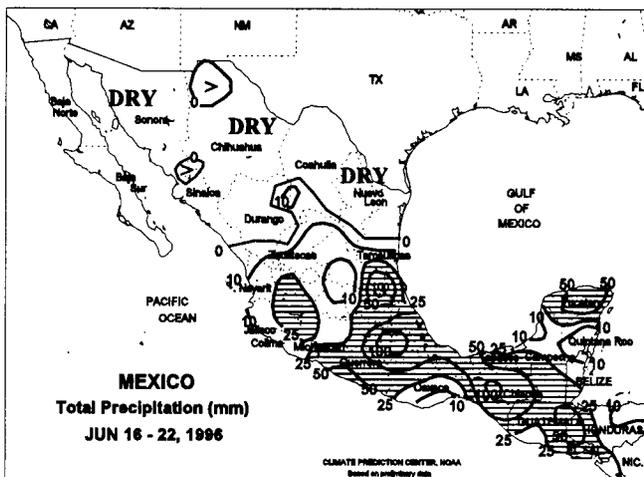
EUROPE

Unfavorable dryness continued over the United Kingdom, northern France, and northern Germany. Supplemental irrigation was required to prevent a decline in winter and spring-sown crop conditions. In the United Kingdom, light precipitation (1-7 mm) fell over the south, with mostly dry weather prevailing from Scotland southward through East Anglia. Rainfall in Germany ranged from 1 to 7 mm in the north to 10 to 30 mm in the south. In France, light showers (1-3 mm) fell over the northwest, while greater amounts of moisture (10-16 mm) covered the northeast. Weekly temperatures averaged 2 to 5 degrees C below normal in these areas, lowering crop-water demands. Farther south, moderate to heavy rains (25-50 mm) with local amounts in excess of 75 mm fell eastward from southern France, through northern Italy, into the Slovak Republic and southern Poland. The wet weather in these areas benefited summer crop development but slowed winter wheat maturation and early harvesting in northern Italy. Elsewhere hot, dry weather prevailed over Romania and Bulgaria, hastening maturity in winter grains and stressing spring grains in the reproductive to filling stages.



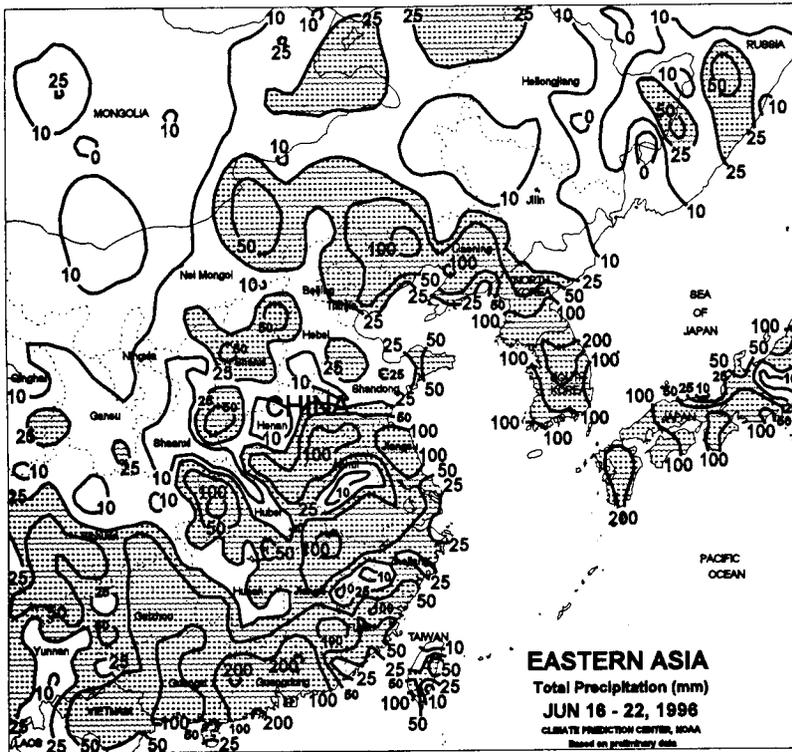
CANADA

Cooler, showery weather returned to the Prairies. Heaviest rain (25-50 mm or more) fell over sections of Alberta and western Saskatchewan, increasing moisture reserves for grain and oilseed establishment. Drier conditions prevailed to the east, with only isolated locations in Manitoba receiving more than 25 mm. Temperatures throughout the Prairies averaged 1 to 3 degrees C below normal, but lows generally stayed above 5 degrees C. Frost, if any, was limited to outlying crop areas. In Ontario and Quebec, light to moderate rain (10-39 mm) maintained moisture reserves for crop development. Temperatures averaged near to slightly above normal in Canada's eastern crop areas, with highs in the mid to upper 20's C.



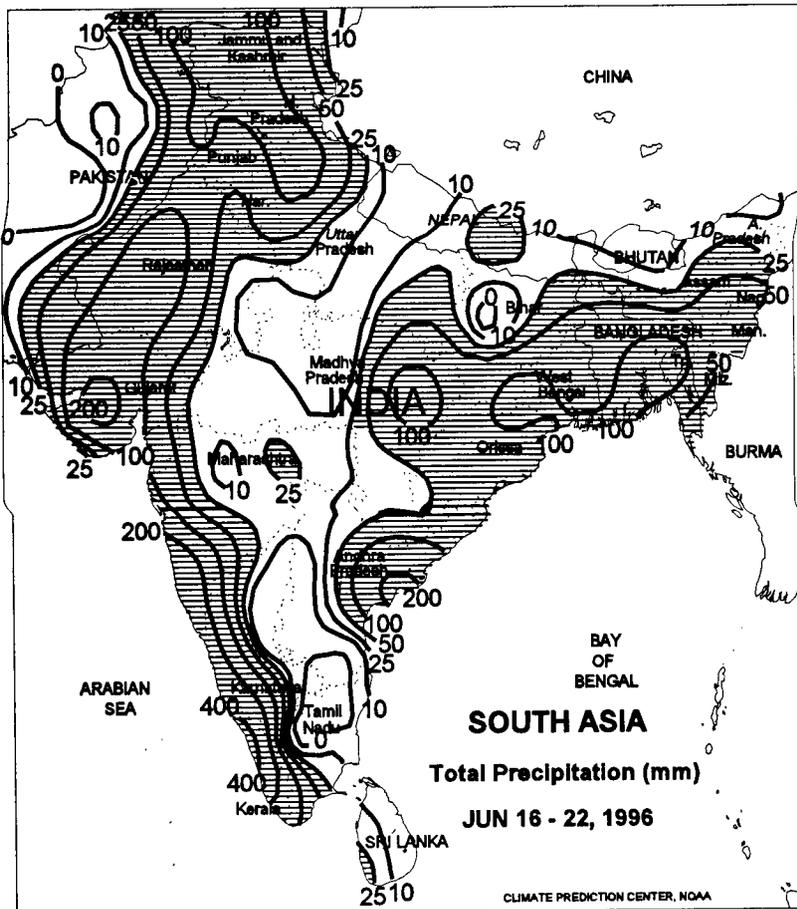
MEXICO

Timely showers (10-50 mm) covered the southern Plateau corn belt, benefiting germinating corn. The rain was especially beneficial across the western corn belt, where the rainy season has been erratic and late. Heavier showers (greater than 100 mm) fell across portions of the eastern corn belt, causing local flooding. Widespread moderate showers (25-80 mm) benefited sugarcane and coffee in Veracruz. Hot, dry weather (1-3 degrees C above normal) returned to all of northern Mexico. The drought is especially severe in northeastern Mexico, since that region typically receives 15 to 20 mm a week at this time of year. Late in the week, Hurricane Alma brushed the extreme southern coast (Michoacan) with 74 knot (85 mph) winds and locally heavy rain (50-100 mm). The heavy rain and strong winds were confined to the coastal areas.



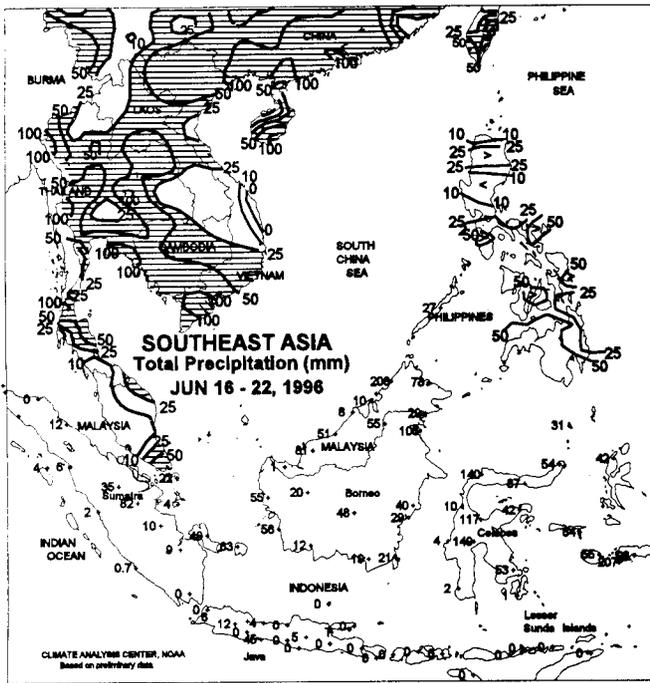
EASTERN ASIA

Light to moderate rain (7-40 mm) increased topsoil moisture for vegetative summer crops across the North China Plain. Heavier amounts (70-150 mm) fell across extreme southeastern Henan, northern Anhui, and Jiangsu, slowing winter wheat harvesting. In Manchuria, rainfall ranged from 5 to 50 mm, aiding vegetative to reproductive spring wheat and germinating corn and soybeans. Moderate showers (30-80 mm) covered central and southern China, maintaining irrigation supplies for rice. Heavier showers (100-150 mm) fell across the coastal provinces of Guangxi, Guangdong, and Fujian, causing some local flooding. Moderate to heavy rain (25-110 mm) covered the Korean Peninsula, easing dryness and boosting moisture supplies. Very heavy rain in excess of 200 mm fell across interior South Korea, producing flooding. Widespread rain (25-100 mm) also covered Japan, with the heaviest amounts in the south. Temperatures averaged 1 to 2 degrees C above normal across Manchuria, central China, and Japan and near normal across the North China Plain.



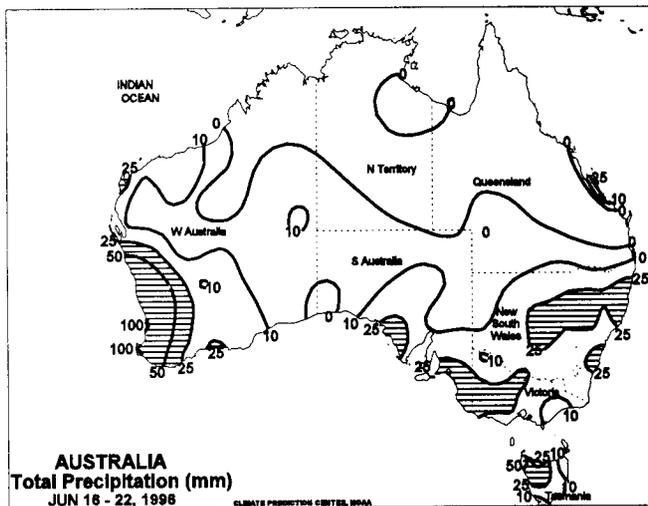
SOUTH ASIA

A tropical cyclone brought heavy rain (50-100 mm, exceeding 200 mm locally) to northwestern India and neighboring areas of Pakistan. While causing some flooding, moisture from the storm will be overall beneficial to the region's grains, oilseeds, and cotton, typically planted in July. Elsewhere, the monsoon continued active throughout the region. Heavy rain (100-200 mm or greater) persisted along the southwest coast, but amounts diminished over the central and southern interior. Planting should become widespread in these areas over the next few weeks as the monsoon becomes more fully established. In the eastern rice areas, showers (25-50 mm or more) returned to the main crop areas following last week's respite.



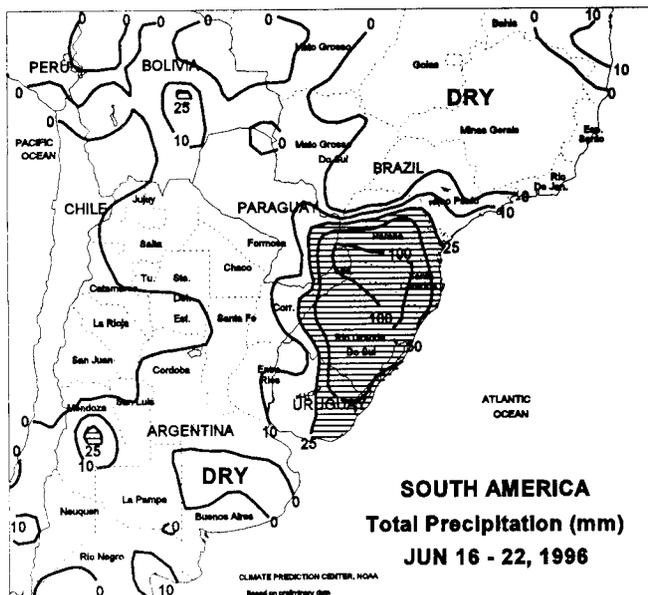
SOUTHEAST ASIA

Seasonable showers again covered Indochina and the Philippines, maintaining moisture supplies for main-season crops. Rainfall ranged from 25 to 110 mm in Thailand and the Philippines. Isolated heavier amounts (greater than 200 mm) caused local flooding in the central Philippine Islands. Moderate showers (40-90 mm) continued across northern Vietnam (Red River Delta), maintaining moisture for summer rice but slowing winter rice harvesting. Drier weather (less than 20 mm) prevailed across the Malay Peninsula, reducing moisture supplies for oil-palm, especially in the eastern areas (last 4 weeks only 50% of normal rainfall). Dry weather aided main-season rice harvesting across Java.



AUSTRALIA

Beneficial rain swept across Australia's main winter grain areas, providing timely moisture for crop germination and establishment. In Western Australia, rainfall decreased from west to east, ranging from 25 to 75 mm or more along the coast to 10 mm on the eastern fringes of the wheat belt. In the east, light to moderate rain (10-35 mm, exceeding 50 mm locally) from South Australia to central New South Wales brought some relief to winter grains developing with limited moisture reserves. Temperatures averaged 1 to 3 degrees C above normal in the main wheat areas, enhancing germination and early growth rates. In New Zealand, rainfall was light (4-26 mm) in the main pasture areas.



SOUTH AMERICA

Moderate to heavy rain (25-80 mm) covered extreme southern Brazil (Rio Grande do Sul northward into Parana), boosting topsoil moisture for germinating to vegetative winter wheat. Heavier amounts (greater than 100 mm) possibly caused flooding in Santa Catarina. Dry, warm weather (temperatures 2-4 degrees C above normal) prevailed over the rest of Brazil, aiding coffee and citrus harvesting. In Argentina, dry weather favored winter wheat planting after last week's beneficial rain. Reports indicated, as of June 7, that about 20 percent of the wheat crop has been planted. Freezing temperatures were confined to Uruguay and Argentina.

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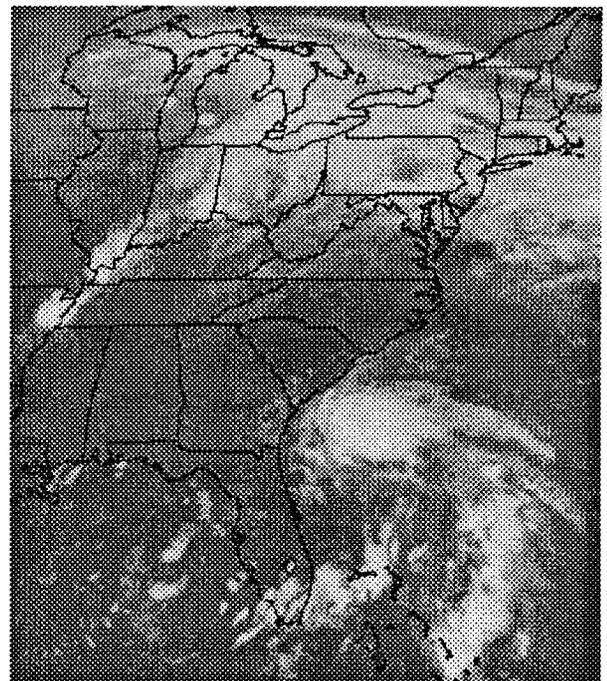
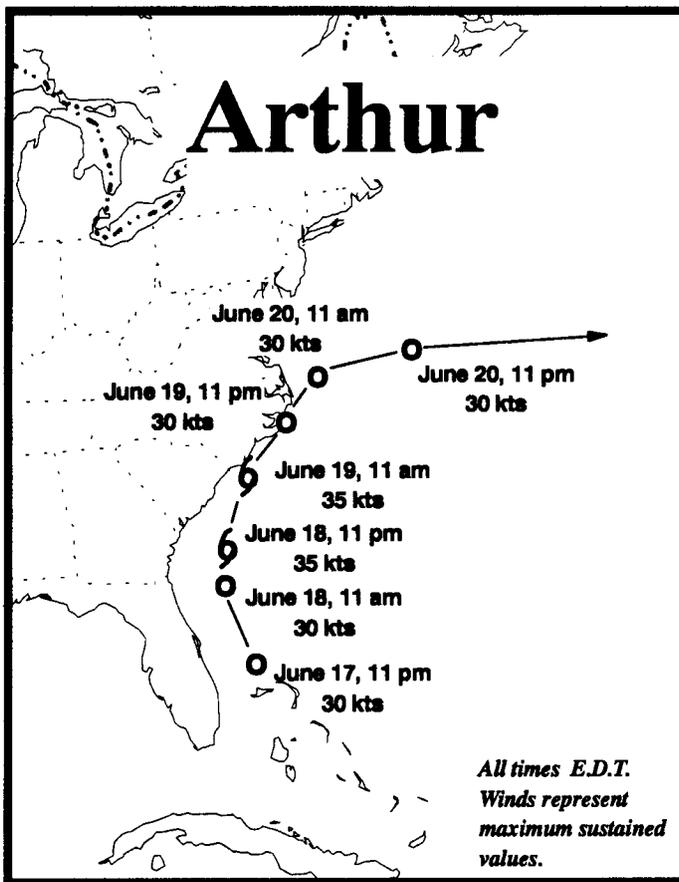
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GOES-8 IR

June 18, 1996, 12:15 UTC

A storm system drenches the Great Lakes States, while a tropical depression -- later named Tropical Storm Arthur -- churns off the Southeast coast.

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