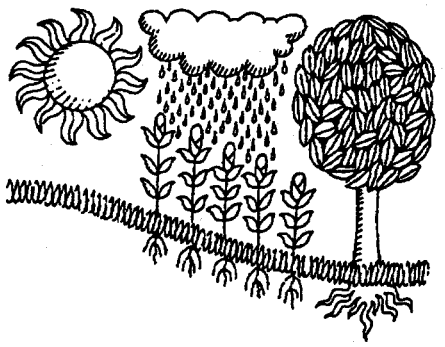

WEEKLY WEATHER AND CROP BULLETIN

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

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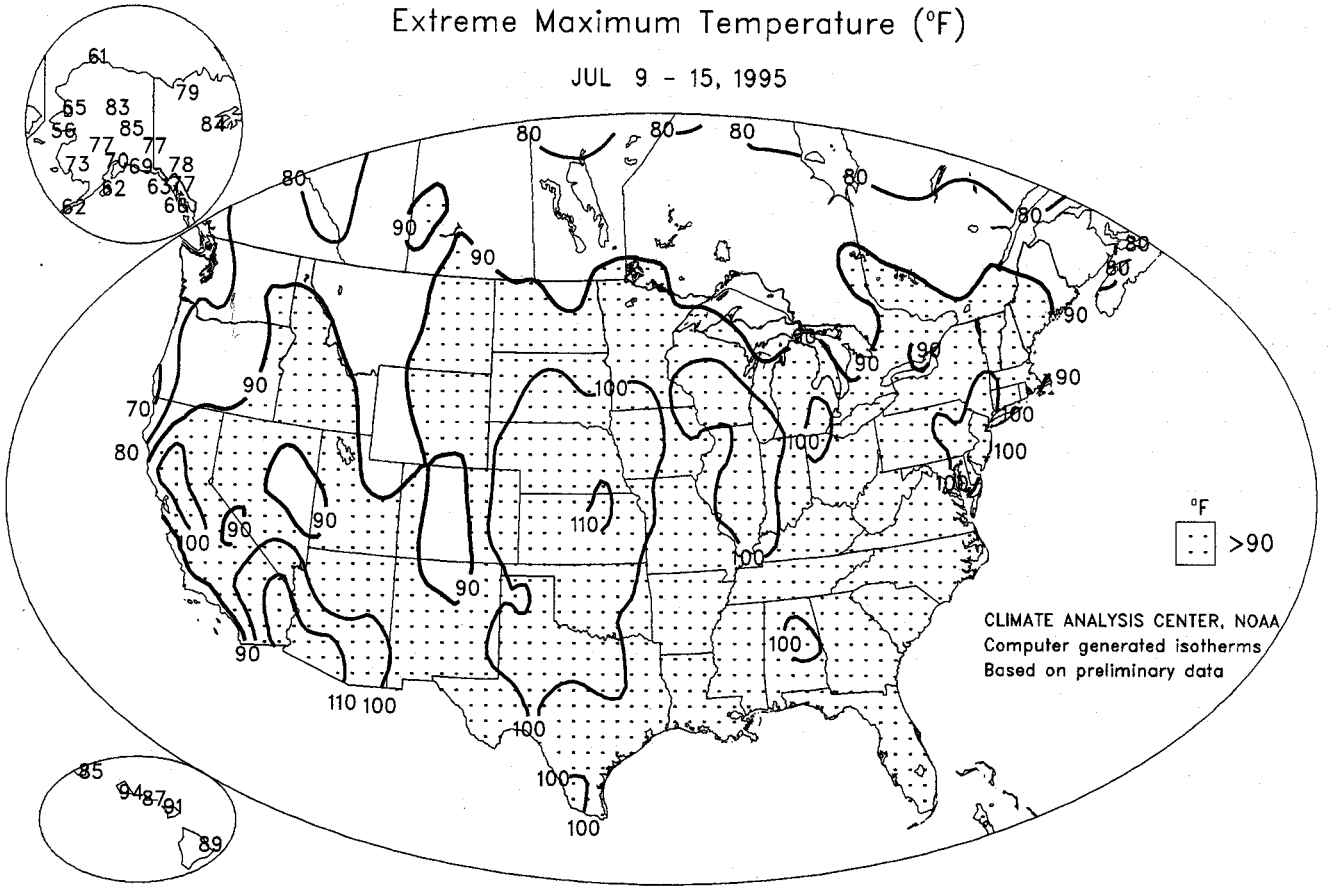

HIGHLIGHTS

July 9 - 15, 1995

Extreme but short-lived heat surged through the **central Plains** and **Corn Belt**, reaching the **Northeast** by week's end. Heat stress for **Corn Belt** crops (highs above 95°F) ranged from 2 days in the east to 5 days in the west, where readings on July 12-13 soared to potentially damaging levels of 100 to 109°F. Corn and soybeans benefited from later-than-normal entries into reproduction, although silking and blooming advanced in many areas during the week. The wheat harvest proceeded rapidly in the **central Plains**, where temperatures locally topped 110°F. Relatively few records were set, however, because of competition from severe heat waves in past decades. Elsewhere, thunderstorms traversed the **Northern States**, eventually shifting southward and bringing resuscitative moisture to the **northern and western Corn Belt** as cooler air arrived. Dryness persisted, however, in the **central Corn Belt**;

(Continued to p. 3)

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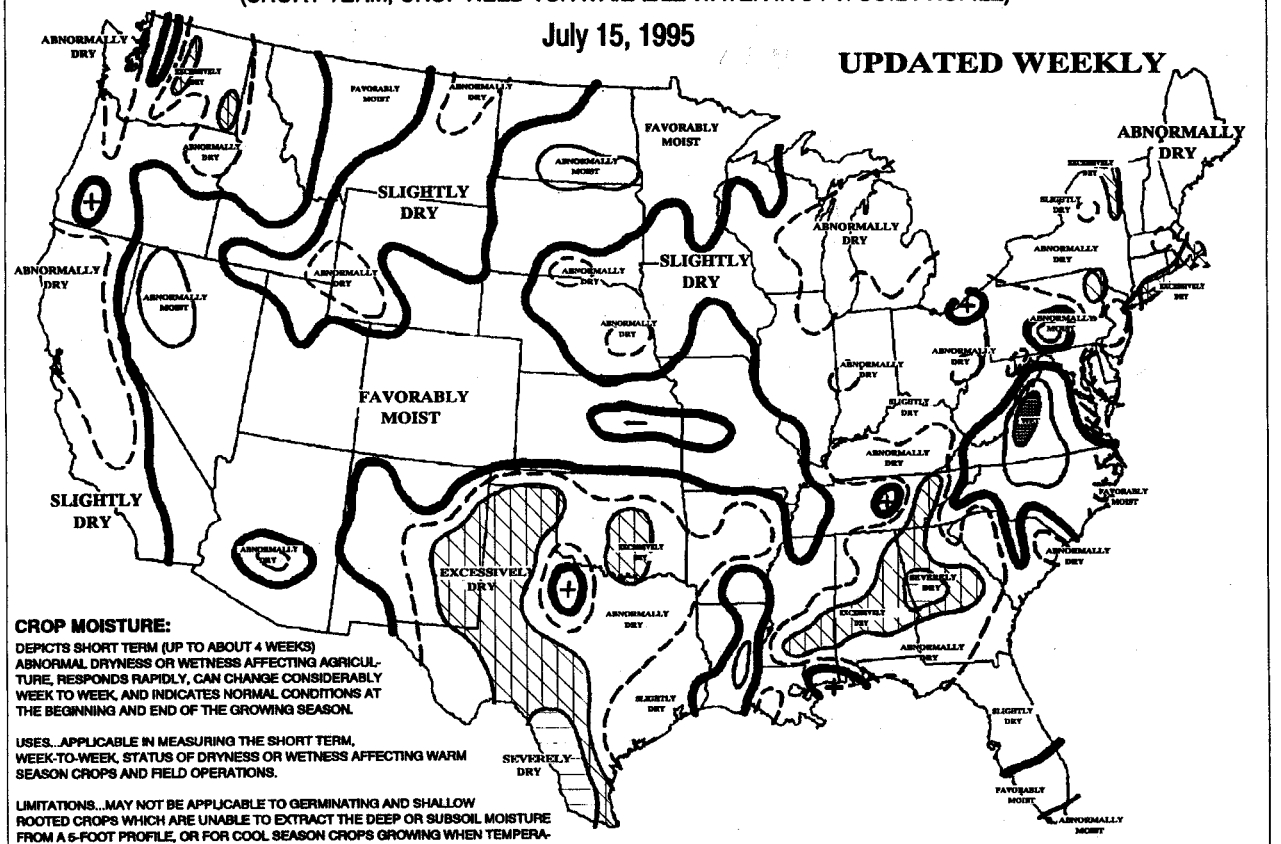
CROP MOISTURE
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)

July 15, 1995

UPDATED WEEKLY



CROP MOISTURE:

DEPICTS SHORT TERM (UP TO ABOUT 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK, AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.

USES...APPLICABLE IN MEASURING THE SHORT TERM, WEEK-TO-WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS.

LIMITATIONS...MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55° F. IT IS NOT GENERALLY INDICATIVE OF THE LONG TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.

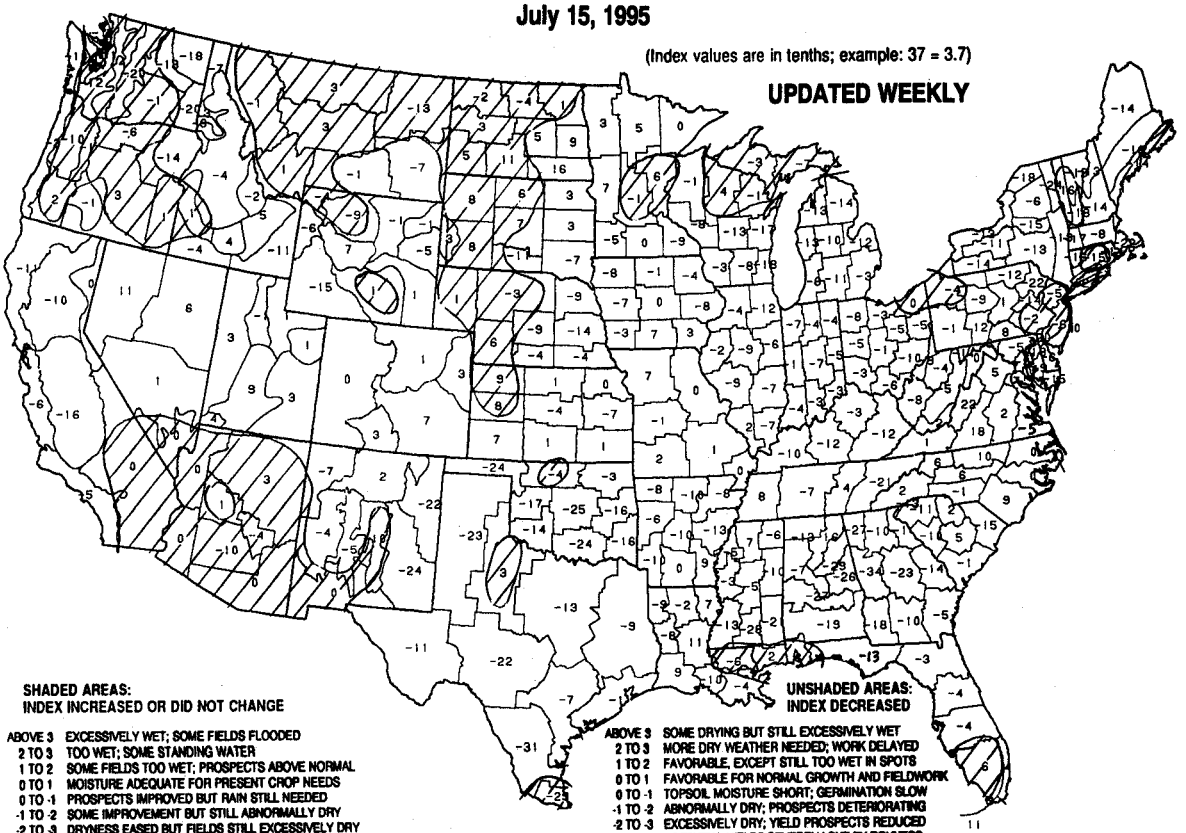
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY — Based on preliminary reports

CROP MOISTURE INDEX
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)

July 15, 1995

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

UPDATED WEEKLY



SHADED AREAS:
INDEX INCREASED OR DID NOT CHANGE

ABOVE 3	EXCESSIVELY WET; SOME FIELDS FLOODED
2 TO 3	TOO WET; SOME STANDING WATER
1 TO 2	SOME FIELDS TOO WET; PROSPECTS ABOVE NORMAL
0 TO 1	MOISTURE ADEQUATE FOR PRESENT CROP NEEDS
0 TO -1	PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2	SOME IMPROVEMENT BUT STILL ABNORMALLY DRY
-2 TO -3	DRYNESS EASED BUT FIELDS STILL EXCESSIVELY DRY
-3 TO -4	SEVERE DRYNESS CONTINUES; MORE RAIN URGENTLY NEEDED
BELOW -4	NOT ENOUGH RAIN; STILL EXTREMELY DRY

UNSHADED AREAS:
INDEX DECREASED

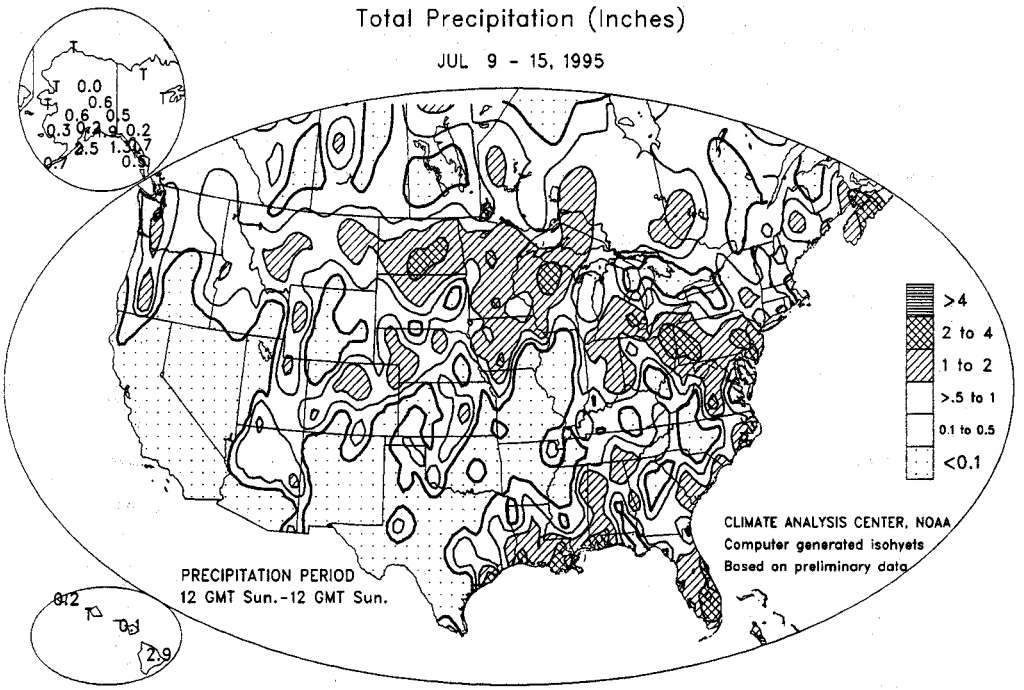
ABOVE 3	SOME DRYING BUT STILL EXCESSIVELY WET
2 TO 3	MORE DRY WEATHER NEEDED; WORK DELAYED
1 TO 2	FAVORABLE, EXCEPT STILL TOO WET IN SPOTS
0 TO 1	FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 TO -1	TOPSOIL MOISTURE SHORT; GERMINATION SLOW
-1 TO -2	ABNORMALLY DRY; PROSPECTS DETERIORATING
-2 TO -3	EXCESSIVELY DRY; YIELD PROSPECTS REDUCED
-3 TO -4	POTENTIAL YIELDS SEVERELY CUT BY DRYNESS
BELOW -4	EXTREMELY DRY; MOST CROPS RUINED

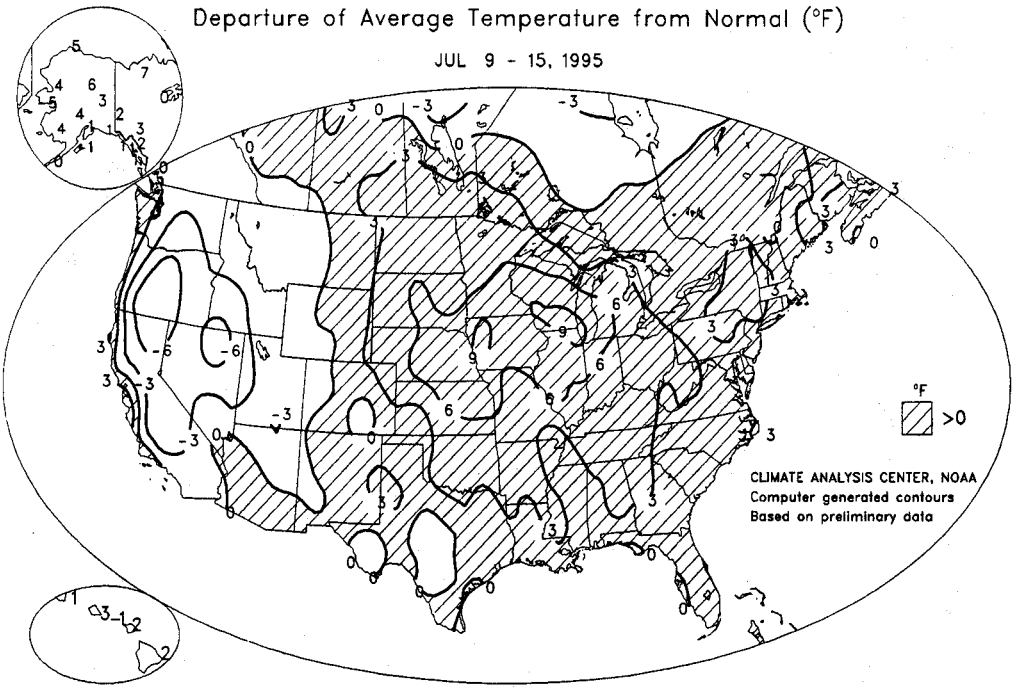
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY — Based on preliminary reports

(Continued from front cover)
in the **Northeast**; and in parts of the **Southeast**, where temperatures also ranged from the mid-90's to 100°F for much of the week. In the **Southwest**, where seasonal summer rains have been late in arriving, scattered showers developed, while the **Gulf Coast** region received localized downpours.

Early in the week, out-of-season rain dampened the **Northwest**, while heat covered the **Gulf Coast States**. On July 9, **Olympia, WA** received 1.34 inches of rain, a single-day July record, and 163 percent of their normal monthly total. Sunday was the second wettest July day on record in **Seattle, WA** (0.81 inches) and **Portland, OR** (1.06 inches). Meanwhile, near the **Gulf Coast**, daily-record highs included 98°F in **New Orleans, LA** and 99°F in **Pensacola, FL**.

A day later, some locations in the **central Plains**, including **Grand Island, NE** and **Topeka, KS**, registered their first triple-digit heat since August 22, 1991. On Tuesday, the heat wave peaked across **Kansas**, where **Salina** and **Hays** reported highs of 112°F. Despite the heat, only **Hays** notched a daily-record high. Heat spread northeastward by Wednesday, reaching the **western Corn Belt**. Daily records were established in **Sioux City, IA** (108°F) and **Sioux Falls, SD** (107°F), while **Des Moines, IA** (101°F) noted its hottest day since 1988. Highs reached 111°F in **Tekamah, NE** and **Salina, KS**. Elsewhere, **New Orleans** (99°F) tallied its fourth daily record in 5 days, while **Muskegon, MI** (91°F) marked its first of four consecutive daily records.





On Thursday, the morning low dipped to 32°F in **Winnemucca, NV**, their latest freeze ever recorded during July. In contrast, **Chicago's Midway Airport** registered 106°F, an all-time record for any observing site in the city. The high of 108°F in **La Crosse, WI** tied their all-time record, previously attained on July 14, 1936. Farther north, strong thunderstorms represented the leading edge of cooler weather. Weekly rainfall topped 2 inches in **Bismarck, ND** and **Wausau, WI**. In **Montana**, measurable rain fell on 5 days during the week in **Great Falls** and **Glasgow**.

Extreme heat spread into the **Great Lakes States** and the **Northeast** on Friday. **Burlington, VT** recorded its second 100-degree reading of the year, and its fourth all-time. **Boston, MA** hit 100°F for the first time since July 21, 1977. The high of 101°F in **Flint, MI** tied their all-time record set in July 1988. Nearly half of the week's six dozen daily records were set on Saturday as the heat wave peaked in the **East**. The high of 106°F in **Danbury, CT** broke their own State record, previously set on July 21, 1991. Saturday was the hottest day since July 4, 1966 in **Philadelphia, PA** (103°F), and tied for the hottest July day on record in **Buffalo, NY** (97°F). As cooler air arrived in **Albany, NY**, thunderstorm winds gusted to 77 mph on Saturday morning, their second-highest gust on record. Farther west, daily-record warmth arrived in **coastal California**, where on July 15 highs included 93°F in **San Francisco** and 85°F in **Monterey**.

National Weather Data for Selected Cities

Weather Data for the Week Ending July 15, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	97	70	102	67	83	4	.9	-.3	.8	3.7	60	22.2	69	93	38	6	0	3	1
MOBILE	93	72	97	67	83	0	1.2	-.3	.6	6.3	77	44.3	126	96	49	6	0	4	1
MONTGOMERY	96	70	98	65	83	3	T	-1.3	T	3.0	38	23.6	72	94	37	7	0	0	0
AK ANCHORAGE	67	52	70	44	60	1	.2	-.2	.2	1.5	78	5.1	91	87	55	0	0	2	0
BARROW	51	37	61	32	44	5	T	-.2	T	.8	122	1.7	121	95	69	0	1	1	0
FAIRBANKS	78	54	85	51	66	3	.6	.2	.3	2.7	121	4.3	97	87	45	0	0	4	0
JUNEAU	65	51	77	49	58	2	.7	-.2	.4	4.2	84	--	--	95	68	0	0	4	0
KODIAK	57	50	62	47	54	-1	2.5	1.7	.6	11.0	167	45.4	135	96	78	0	0	7	2
NOME	51	41	56	34	46	-5	T	-.4	T	1.6	78	7.5	142	97	78	0	0	1	0
AZ PHOENIX	106	83	111	80	95	1	T	-.2	T	T	0	3.1	102	42	16	7	0	0	0
PRESCOTT	89	61	95	52	75	2	.1	-.6	.1	.4	22	5.3	66	52	21	3	0	1	0
TUCSON	99	77	107	74	88	1	T	-.5	T	T	2	3.7	93	49	18	6	0	0	0
YUMA	104	82	110	80	93	0	T	-.1	T	T	0	1.9	174	52	17	7	0	0	0
AR FORT SMITH	96	74	98	71	85	4	.2	-.5	.2	5.5	114	23.7	105	93	49	7	0	7	2
LITTLE ROCK	96	76	97	75	86	5	.0	-.7	.0	4.7	79	23.5	87	70	42	7	0	1	0
CA BAKERSFIELD	92	63	103	54	77	-7	.0	.0	.0	.1	109	7.9	205	48	20	7	0	0	0
EUREKA	66	54	68	52	60	3	.1	.0	.0	1.9	337	36.0	172	93	70	4	0	0	0
FRESNO	92	62	104	57	77	-5	.0	.0	.0	.7	943	15.2	218	70	19	0	0	2	0
LOS ANGELES	75	60	79	58	68	-1	.0	.0	.0	.6	>1000	21.0	271	91	60	4	0	0	0
REDDING	90	65	104	57	78	-4	T	.0	T	1.8	278	46.6	247	64	21	0	0	0	0
SACRAMENTO	87	59	101	54	73	-3	.0	.0	.0	.6	367	23.8	221	88	30	3	0	0	0
SAN DIEGO	75	62	84	61	69	-2	.0	.0	.0	.5	511	15.8	255	90	60	2	0	0	0
SAN FRANCISCO	76	57	93	55	67	4	.0	.0	.0	.6	500	21.0	171	88	52	0	0	0	0
CO DENVER	91	58	97	53	75	1	1.2	.8	1.0	3.1	114	10.9	118	69	24	1	0	0	0
GRAND JUNCTION	93	64	99	57	79	-1	.2	.1	.2	1.9	179	7.8	149	62	19	5	0	3	1
PUEBLO	95	53	100	50	74	-3	.2	-.3	.2	2.6	119	10.4	183	82	24	4	0	2	0
CT BRIDGEPORT	84	68	97	60	76	3	.2	-.7	.2	1.6	31	15.4	67	80	52	5	0	1	0
HARTFORD	89	64	100	57	76	3	.8	.1	.8	1.9	37	16.2	69	87	44	2	0	1	0
DC WASHINGTON	90	70	99	61	80	0	.4	-.5	.4	4.3	83	17.4	86	86	50	3	0	1	1
FL PANAMA CITY	88	73	94	71	81	0	1.1	-.9	.7	6.7	61	21.3	62	95	63	4	0	1	0
DAYTONA BEACH	91	72	95	71	81	0	1.9	.7	.9	7.8	91	15.4	67	97	55	2	0	4	1
JACKSONVILLE	95	71	97	69	83	2	.1	-1.3	.0	6.9	83	18.1	72	98	48	5	0	3	2
KEY WEST	90	78	91	75	84	0	1.0	.2	.7	9.4	137	18.4	104	83	61	7	0	2	0
MIAMI	91	77	96	75	84	2	1.8	.6	1.1	22.4	183	38.2	137	86	58	4	0	2	1
ORLANDO	92	72	95	71	82	0	.5	-1.2	.3	8.9	82	18.8	76	93	54	6	0	3	2
TALLAHASSEE	95	71	97	69	83	2	1.4	-.6	1.0	10.3	92	28.0	77	91	46	5	0	4	0
TAMPA	91	75	93	72	83	1	2.4	.9	1.1	12.5	146	23.1	111	91	56	7	0	5	1
WEST PALM BEACH	90	74	93	71	82	0	1.6	.3	.7	10.3	93	19.6	68	95	62	6	0	4	2
GA ATLANTA	97	75	100	68	86	7	.0	-1.2	.0	4.0	68	21.9	74	78	35	5	0	6	1
AUGUSTA	93	68	95	66	80	0	T	-.9	T	7.5	121	22.7	87	94	45	7	0	0	0
MACON	97	69	99	62	83	2	.2	-.8	.1	3.4	61	19.7	74	92	37	6	0	1	0
SAVANNAH	94	73	97	71	84	2	1.9	.5	.9	8.0	93	19.8	75	91	45	7	0	2	0
HI HILO	86	70	89	68	78	2	2.9	.7	1.6	9.9	93	37.0	53	94	64	6	0	4	2
HONOLULU	91	76	94	75	84	3	T	-.1	T	.1	17	9.8	86	75	50	0	0	6	2
KAHULUI	89	72	91	67	80	2	.1	.0	.1	.3	77	8.5	66	76	50	6	0	1	0
LIHUE	85	75	85	74	80	1	.2	-.3	.2	1.5	56	14.7	65	78	66	1	0	1	0
ID BOISE	85	56	98	52	71	-3	.5	.4	.4	1.4	141	8.9	125	79	26	0	0	2	0
LEWISTON	83	60	97	55	72	-2	.1	-.1	.1	4.1	256	9.9	135	80	32	1	0	2	0
POCATELLO	85	51	94	44	68	-2	T	-.2	T	3.6	264	11.2	158	81	27	1	0	2	0
IL CHICAGO	94	72	104	61	83	10	.1	-.7	.1	3.5	63	18.8	104	80	40	3	0	0	0
MOLINE	94	71	100	61	83	7	.0	-1.1	.0	4.8	72	23.3	113	89	48	4	0	1	0
PEORIA	93	70	100	60	82	6	.0	-1.0	.0	3.2	52	23.1	119	92	52	5	0	0	0
QUINCY	93	72	98	61	83	6	--	--	--	--	--	--	--	83	43	5	0	0	0
ROCKFORD	92	69	98	59	80	7	T	-.9	T	4.8	74	19.1	102	96	54	5	0	-	-
SPRINGFIELD	97	73	102	63	85	8	T	-.8	T	1.5	29	19.7	104	83	42	5	0	1	0
IN EVANSVILLE	96	73	102	68	85	6	.0	-1.1	.0	5.9	99	33.2	127	85	45	7	0	0	0
FORT WAYNE	91	67	99	59	79	5	1.1	.4	1.0	6.5	123	21.0	112	91	51	7	0	0	0
INDIANAPOLIS	92	68	99	60	80	5	.2	-.8	.2	3.7	66	20.2	92	92	49	5	0	2	1
SOUTH BEND	91	69	100	58	80	7	1.0	.1	.8	3.7	62	17.9	88	90	52	5	0	1	0
IA DES MOINES	94	73	101	66	83	8	.7	-.2	.7	4.7	71	21.4	116	87	50	5	0	2	0
SIOUX CITY	97	69	108	62	83	7	.6	-.2	.4	3.2	59	15.3	105	89	42	5	0	1	1
WATERLOO	91	68	97	61	79	6	.3	-.9	.3	5.8	84	16.9	92	94	52	6	0	2	0
KS CONCORDIA	100	73	106	67	86	7	T	-.8	T	5.2	82	19.1	116	73	31	5	0	1	0
DODGE CITY	98	68	103	65	83	3	.2	-.6	.2	5.3	113	15.5	125	73	31	7	0	0	0
GOODLAND	96	64	103	58	80	4	T	-.6	T	5.0	106	13.5	119	70	24	6	0	1	0
TOPEKA	99	73	105	66	86	8	.0	-.8	.0	4.5	61	23.8	123	81	33	6	0	1	0
WICHITA	98	70	105	67	85	4	.5	-.3	.5	9.8	132	22.4	116	86	36	6	0	0	0
KY BOWLING GREEN	94	70	97	63	82	4	T	-1.1	T	2.9	45	20.6	71	92	50	7	0	1	1
LEXINGTON	93	67	97	58	80	4	T	-1.1	T	8.4	138	31.8	128	87	45	7	0	0	0
LOUISVILLE	92	72	96	63	82	5	T	-1.0	T	4.2	74	23.3	92	88	53	6	0	1	0
LA BATON ROUGE	94	75	97	72	84	2	.4	-1.2	.3	5.6	74	45.2	136	100	59	6	0	0	0
LAKE CHARLES	95	77	98	74	86	3	.7	-.5	.5	8.7	116	33.3	119	96	57	6	0	2	0
NEW ORLEANS	95	75	99	71	85	3	2.4	1.0	2.4	6.2	71	47.7	141	93	45	6	0	3	0
SHREVEPORT	96	74	99	70	85	4	T	-.9	T	5.5	90	29.8	106	90	47	7	0	2	1

Based on 1961-90 normals.

Weather Data for the Week Ending July 15, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME CARIBOU	79	58	87	50	69	3	.1	-.8	.1	1.4	30	16.6	97	80	41	0	0	3	0
PORTLAND	80	59	96	55	69	1	.4	-.3	.3	3.3	66	19.4	84	96	58	1	0	2	0
MD BALTIMORE	92	69	102	58	80	3	.2	-.7	.1	4.2	77	15.8	72	83	46	4	0	2	0
SALISBURY	91	67	100	58	79	2	.3	-.6	.3	3.2	57	14.5	61	94	45	5	0	1	0
MA BOSTON	85	65	100	59	75	2	.2	-.4	.2	2.1	47	14.4	65	83	48	3	0	2	0
CHATHAM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-	-	-	-
MI ALPENA	84	57	95	47	71	3	.2	-.5	.1	2.2	50	10.3	71	94	50	2	0	2	0
DETROIT	88	66	100	58	77	5	.6	-.1	.4	2.4	45	14.4	85	88	50	3	0	3	0
FLINT	89	62	101	48	76	5	.7	.1	.6	1.9	41	10.9	73	90	46	3	0	3	1
GRAND RAPIDS	89	66	97	53	78	6	2.9	2.2	2.2	7.9	149	19.7	112	90	52	4	0	2	2
HOUGHTON LAKE	88	61	98	47	74	7	.9	.3	.6	4.8	113	13.6	99	86	49	3	0	2	1
LANSING	89	62	97	50	75	4	.1	-.5	.1	1.6	35	12.8	84	95	51	3	0	1	0
MARQUETTE	80	57	90	51	68	3	1.1	.5	.4	2.8	57	16.6	96	91	53	1	0	4	0
MUSKEGON	88	65	94	53	77	6	T	-.4	T	1.7	51	12.9	85	89	52	4	0	1	0
SAULT ST. MARIE	77	54	84	42	65	2	.8	.2	.7	4.3	97	16.4	102	94	55	0	0	4	1
MN ALEXANDRIA	85	66	92	58	75	4	.5	-.2	.4	5.0	87	--	--	93	57	3	0	2	0
DULUTH	82	59	90	54	71	5	2.1	1.3	.8	5.0	89	15.7	106	94	46	2	0	5	2
INT'L FALLS	83	59	93	48	71	4	.9	.1	.5	5.0	88	11.0	89	95	47	1	0	4	0
MINNEAPOLIS	91	69	101	63	80	6	1.2	.4	.6	5.5	95	12.6	82	84	46	5	0	4	2
ROCHESTER	89	67	99	61	78	7	.6	-.4	.6	4.1	72	13.8	91	93	52	3	0	1	1
MS GREENWOOD	97	74	101	73	86	4	T	-1.0	T	5.4	83	26.2	82	96	45	7	0	0	0
JACKSON	95	72	97	69	83	2	.3	-.6	.2	5.5	108	30.7	95	95	48	7	0	2	0
MERIDIAN	96	68	98	66	82	1	.1	-1.1	.1	3.1	51	29.4	88	98	44	7	0	1	0
MO CAPE GIRARDEAU	94	73	98	68	83	3	.5	-.3	.5	5.9	115	26.8	103	93	49	6	0	1	0
COLUMBIA	93	72	98	64	83	6	.0	-.9	.0	9.4	163	36.4	177	95	54	6	0	0	0
KANSAS CITY	95	72	99	64	83	5	T	-1.0	T	4.4	64	23.2	117	91	46	6	0	0	0
SAINT LOUIS	96	77	101	70	87	7	.0	-.9	.0	3.4	60	28.6	138	79	42	6	0	0	0
SPRINGFIELD	93	70	96	62	82	4	.0	-.7	.0	8.7	130	31.2	136	93	47	6	0	0	0
MT BILLINGS	83	59	91	52	71	-2	.5	.3	.4	3.6	142	11.6	122	80	37	1	0	3	0
GLASGOW	83	61	95	56	72	1	1.8	1.4	.7	6.6	221	10.0	154	90	47	1	0	5	1
GREAT FALLS	75	53	86	46	64	-4	1.5	1.2	.8	5.2	170	10.8	113	94	45	0	0	5	1
HAVRE	78	56	89	48	67	-2	.7	.4	.3	7.2	293	11.1	168	90	46	0	0	4	0
HELENA	78	53	85	45	65	-4	.8	.6	.2	3.5	143	8.3	120	94	53	0	0	4	0
KALISPELL	76	51	86	44	63	0	.2	-.1	.1	5.7	202	11.1	118	93	51	0	0	2	0
MILES CITY	91	61	98	55	76	1	.9	.5	.8	4.1	111	9.9	111	87	30	4	0	3	1
MISSOULA	79	53	88	47	66	0	1.1	.9	.5	4.2	184	7.9	98	92	45	0	0	5	1
NE GRAND ISLAND	100	70	108	61	85	8	.0	-.7	.0	3.3	61	15.0	102	81	37	6	0	0	0
LINCOLN	100	71	108	67	85	7	T	-.7	T	2.1	39	16.4	106	87	35	6	0	1	0
NORFOLK	99	70	108	63	84	9	.2	-.6	.2	3.0	49	17.5	114	81	38	6	0	2	0
NORTH PLATTE	97	64	104	58	80	6	.5	-.3	.5	3.2	63	12.2	98	77	28	6	0	2	0
OMAHA	100	72	109	64	86	9	T	-.8	T	1.1	20	15.7	96	84	38	7	0	0	0
SCOTTSBLUFF	95	60	102	60	78	3	.4	-.1	.3	4.1	108	13.1	129	85	26	5	0	2	0
VALENTINE	97	66	109	57	81	6	T	-.8	T	3.8	75	14.4	111	84	32	5	0	0	0
NV ELY	85	46	90	35	66	-2	T	-.2	T	1.5	123	8.8	154	65	16	1	0	1	0
LAS VEGAS	103	80	109	75	92	1	.0	-.1	.0	T	8	3.6	173	27	13	7	0	0	0
RENO	84	52	96	46	68	-3	.0	-.1	.0	1.4	230	9.9	221	64	15	2	0	0	0
WINNEMUCCA	87	48	95	32	68	-4	.0	-.1	.0	1.4	136	7.9	163	68	14	4	0	0	0
NH CONCORD	86	58	101	52	72	3	.3	-.4	.2	1.8	39	15.0	81	93	47	2	0	2	0
NJ ATLANTIC CITY	87	64	100	53	76	1	.5	-.3	.4	4.5	103	17.1	80	92	55	2	0	2	0
NM ALBUQUERQUE	94	68	97	65	81	3	.0	-.3	.0	.2	17	2.1	57	34	15	6	0	0	0
CLOVIS	97	67	101	66	82	5	T	-.6	T	1.1	28	4.1	50	55	17	7	0	0	0
ROSWELL	97	68	99	64	83	2	.0	-.4	.0	--	--	--	--	51	16	7	0	0	0
NY ALBANY	87	61	99	53	74	2	.5	-.2	.4	3.4	66	13.0	68	90	40	3	0	2	0
BINGHAMTON	84	61	96	52	72	3	T	-.8	T	2.9	55	13.6	70	84	47	2	0	0	0
BUFFALO	84	63	97	53	73	2	.2	-.5	.2	1.9	38	14.6	78	84	44	2	0	2	0
NEW YORK	88	72	103	63	80	4	.6	-.4	.5	4.1	75	16.6	73	77	48	3	0	2	1
ROCHESTER	85	61	92	54	73	3	.3	-.4	.1	4.2	96	12.3	76	91	43	3	0	3	0
SYRACUSE	86	61	94	56	73	3	.2	-.6	.1	2.2	39	11.1	57	90	46	3	0	3	0
NC ASHEVILLE	87	62	90	55	75	1	.1	-.9	.1	11.6	165	31.0	103	98	48	2	0	1	0
CHARLOTTE	91	70	94	66	80	1	.0	-.9	.0	6.4	123	21.3	90	85	44	6	0	0	0
GREENSBORO	90	67	94	60	78	2	.0	-1.0	.0	11.0	184	22.0	95	86	48	4	0	0	0
HATTERAS	89	74	91	71	82	3	T	-1.1	T	9.7	151	28.4	103	81	31	4	0	0	0
NEW BERN	92	71	95	70	82	2	T	-1.6	T	2.7	31	12.3	43	99	52	6	0	0	0
RALEIGH	89	67	93	64	79	0	T	-.9	T	10.0	179	26.8	116	94	30	3	0	1	0
WILMINGTON	90	72	93	70	81	2	.4	-1.2	.2	14.5	179	34.9	122	97	54	4	0	2	0
ND BISMARCK	88	63	94	59	75	5	2.1	1.6	.7	5.4	142	12.9	138	96	53	2	0	5	2
FARGO	86	65	92	59	75	4	1.9	1.3	1.4	6.1	148	12.9	121	90	57	2	0	4	1
GRAND FORKS	86	64	94	58	75	6	1.2	.5	1.0	6.9	163	11.6	119	98	54	2	0	3	1
WILLISTON	87	60	93	54	73	3	.5	.0	.2	3.6	105	8.8	106	91	44	3	0	3	0
OH AKRON-CANTON	87	62	95	53	74	3	.6	-.3	.5	5.0	96	22.5	114	86	46	3	0	2	1
CINCINNATI	91	66	97	58	79	4	.1	-.8	.1	3.9	66	24.7	105	85	44	4	0	1	0
CLEVELAND	88	64	98	58	76	4	2.4	1.6	2.1	7.7	142	25.2	132	86	51	3	0	2	1
COLUMBUS	91	66	97	57	78	6	.1	-.8	.1	5.9	105	21.7	106	86	44	4	0	1	0
DAYTON	91	67	99	59	79	5	2.2	1.4	2.0	8.1	146	28.9	140	85	47	4	0	3	1

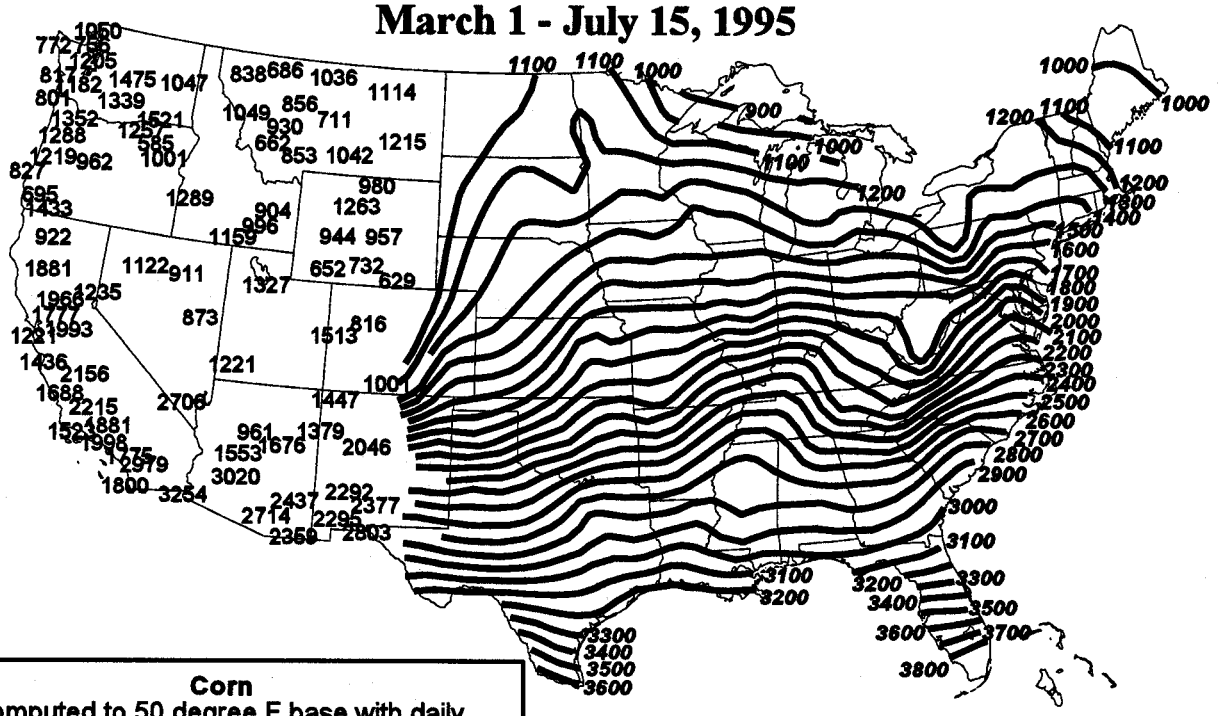
Based on 1961-90 normals.

Weather Data for the Week Ending July 15, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTRME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	94	65	104	56	80	7	.1	-.6	.1	4.6	86	17.3	100	89	46	4	0	3	0
YOUNGSTOWN	88	59	98	49	74	3	.7	-.2	.4	4.2	70	16.9	85	91	50	3	0	4	0
OK OKLAHOMA CITY	98	71	101	69	85	3	.0	-.6	.0	5.2	92	17.9	94	87	35	7	0	0	0
TULSA	99	76	102	69	87	4	.0	-.7	.0	10.1	167	30.1	135	82	36	7	0	0	0
OR ASTORIA	68	54	72	48	61	1	T	-.3	T	2.8	92	35.6	101	94	67	0	0	1	0
BURNS	78	46	87	35	62	-4	.2	.2	.0	.9	90	8.8	164	89	28	0	0	1	0
MEDFORD	81	54	91	49	68	-5	.3	.3	.3	2.4	346	14.0	150	87	35	1	0	1	0
PENDLETON	83	56	90	50	70	-3	.0	-.1	.0	2.5	309	11.3	169	72	32	1	0	0	0
PORTLAND	78	57	84	54	68	0	1.1	.9	1.1	3.8	211	21.5	113	84	39	0	0	1	1
SALEM	77	51	84	47	64	-2	.3	.2	.3	1.8	112	25.0	121	95	42	0	0	1	0
PA ALLENTOWN	87	65	98	58	76	2	1.1	.1	.8	3.7	65	18.3	80	90	42	3	0	2	1
ERIE	83	64	92	53	74	3	.2	-.6	.2	2.3	39	15.3	77	90	52	3	0	1	0
HARRISBURG	89	68	99	60	78	3	.2	-.7	.1	6.6	117	18.2	82	89	47	3	0	2	0
PHILADELPHIA	91	70	103	61	80	5	.6	-.5	.6	3.3	51	15.1	61	88	49	4	0	2	1
PITTSBURGH	90	62	100	51	76	4	.4	-.5	.4	4.2	76	15.2	74	83	38	3	0	2	0
SCRANTON	87	63	100	57	75	3	.6	-.3	.4	2.9	49	11.9	62	90	42	3	0	2	0
RI PROVIDENCE	84	65	99	60	75	2	.3	-.4	.3	3.2	66	18.3	75	88	54	2	0	1	0
SC CHARLESTON	92	74	94	72	83	2	.9	-.7	.3	8.9	92	20.4	74	96	57	6	0	6	0
COLUMBIA	95	69	98	67	82	1	.5	-.7	.5	11.8	161	27.4	99	89	37	7	0	1	1
FLORENCE	95	72	97	68	83	3	T	-1.2	T	6.8	97	23.3	96	97	46	7	0	1	0
GREENVILLE	94	69	98	66	82	4	T	-1.1	T	5.1	72	25.0	85	87	42	6	0	0	0
SD ABERDEEN	88	65	97	57	77	5	.5	-.2	.3	2.6	53	13.9	116	93	51	4	0	3	0
HURON	90	68	98	59	79	5	T	-.6	T	3.3	70	19.0	153	90	52	4	0	1	0
RAPID CITY	88	63	97	60	75	3	.7	.2	.4	5.6	135	13.6	128	85	46	4	0	4	0
SIOUX FALLS	96	70	107	60	83	9	.8	.2	.6	4.2	88	19.1	146	86	40	6	0	3	1
TN CHATTANOOGA	95	70	98	62	83	4	T	-1.1	T	4.3	74	25.8	85	89	43	6	0	0	0
KNOXVILLE	94	67	98	60	81	4	T	-1.1	T	4.0	63	25.9	94	93	40	6	0	0	0
MEMPHIS	95	73	99	70	84	1	.1	-.7	.1	9.8	181	30.6	104	89	48	7	0	1	0
NASHVILLE	95	72	99	68	84	4	.1	-.9	.1	4.6	84	27.5	102	93	48	7	0	1	0
TX ABILENE	96	71	99	69	84	0	.1	-.4	.1	2.1	55	12.3	100	69	28	7	0	1	0
AMARILLO	94	65	97	63	79	1	T	-.6	T	4.1	83	11.0	104	65	25	6	0	0	0
AUSTIN	96	73	97	72	84	0	T	-.5	T	2.9	60	19.8	110	87	42	7	0	0	0
BEAUMONT	93	75	95	72	84	1	.3	-.9	.2	11.7	142	31.4	109	99	56	7	0	3	0
BROWNSVILLE	93	74	94	72	83	-1	.0	-.4	.0	1.5	40	3.0	27	95	53	7	0	0	0
CORPUS CHRISTI	95	73	97	71	84	0	.0	-.5	.0	3.0	65	13.9	98	95	46	7	0	0	0
DEL RIO	99	74	101	70	86	3	.0	-.4	.0	1.0	27	6.9	54	81	38	7	0	0	0
EL PASO	97	70	98	67	84	1	.1	-.3	.1	1.9	137	3.5	117	45	16	7	0	1	0
FORT WORTH	99	76	103	74	88	4	.0	-.5	.0	4.3	97	27.9	135	81	38	7	0	0	0
GALVESTON	92	80	95	78	86	3	T	-.9	T	6.4	101	16.3	81	85	55	6	0	1	0
HOUSTON	94	74	97	72	84	1	T	-1.0	T	4.7	56	23.7	85	94	55	6	0	1	0
LUBBOCK	99	71	102	69	85	5	T	-.5	T	2.5	64	6.7	73	59	19	7	0	0	0
MIDLAND	97	68	99	65	82	1	.7	.3	.7	3.5	163	8.1	121	67	21	7	0	1	1
SAN ANGELO	98	67	100	64	82	0	.0	-.2	.0	1.4	48	12.6	122	80	27	7	0	0	0
SAN ANTONIO	94	71	95	69	82	-2	.0	-.5	.0	5.4	108	13.8	83	88	39	7	0	0	0
VICTORIA	94	73	97	70	84	1	.1	-.8	.1	3.7	55	16.2	73	94	43	7	0	1	0
WACO	98	72	100	68	85	0	.4	-.1	.4	2.0	46	22.6	124	90	38	7	0	1	0
WICHITA FALLS	102	74	104	71	88	4	.0	-.4	.0	4.7	98	14.6	82	76	27	7	0	0	0
UT CEDAR CITY	89	59	94	54	74	0	T	-.2	T	1.6	183	7.8	137	58	18	3	0	0	0
SALT LAKE CITY	90	64	97	53	77	-1	T	-.2	T	1.7	123	12.7	133	67	23	5	0	1	0
VT BURLINGTON	87	61	100	54	74	3	.7	-.1	.6	1.8	35	10.4	62	81	34	2	0	2	1
VA NORFOLK	91	71	101	67	81	3	.2	-.9	.2	4.8	78	18.2	76	84	42	4	0	1	0
RICHMOND	92	67	100	62	79	1	.1	-1.0	.1	3.0	51	16.6	73	86	24	5	0	2	0
ROANOKE	90	64	97	54	77	1	.0	-.9	.0	11.1	222	26.9	126	84	42	4	0	0	0
WA QUILLAYUTE	69	52	75	47	60	2	.3	-.3	.3	3.9	88	46.0	83	97	62	0	0	3	0
SEATTLE-TACOMA	74	55	79	52	65	0	.8	.6	.8	2.4	127	18.8	100	86	45	0	0	1	1
SPOKANE	79	53	90	49	66	-2	.1	-.1	.0	3.2	198	13.7	149	82	30	1	0	2	0
YAKIMA	80	53	86	47	66	-4	.2	.2	.2	.9	150	5.4	128	84	37	0	0	1	0
WV BECKLEY	84	60	90	50	72	3	.0	-1.1	.0	6.1	99	23.7	104	79	44	1	0	0	0
CHARLESTON	90	63	98	53	77	2	.0	-1.1	.0	5.4	91	25.9	114	98	45	4	0	0	0
HUNTINGTON	90	65	94	55	77	3	.0	-1.2	.0	6.6	114	26.1	112	95	46	4	0	0	0
PARKERSBURG	90	65	98	54	78	3	T	-1.0	T	4.3	73	--	--	96	45	4	0	0	0
WI GREEN BAY	91	66	103	58	78	9	.3	-.4	.2	2.2	45	10.3	72	88	46	2	0	2	0
LACROSSE	94	72	108	64	83	10	--	--	--	--	--	--	--	95	43	6	0	-	-
MADISON	93	70	101	63	82	10	.5	-.3	.5	3.7	66	16.1	98	86	50	5	0	1	1
MILWAUKEE	91	69	103	61	80	9	.5	-.3	.5	2.0	40	13.3	78	87	51	4	0	1	0
WAUSAU	89	65	102	60	77	7	2.8	1.9	2.1	4.5	77	10.8	67	93	44	2	0	4	1
WY CASPER	89	55	96	47	72	2	.1	-.3	.0	4.0	187	14.2	180	79	23	4	0	2	0
CHEYENNE	86	58	93	52	72	4	.7	.2	.5	5.5	178	14.3	165	69	27	4	0	3	0
LANDER	87	56	92	53	72	1	.1	-.1	.1	2.7	138	13.6	159	66	21	2	0	1	0
SHERIDAN	86	57	94	54	71	2	T	-.2	T	4.0	143	11.8	127	84	38	2	0	1	0
PR SAN JUAN	91	78	93	77	85	2	1.2	.3	.8	6.7	112	27.6	120	88	59	6	0	5	1

Based on 1961-90 normals.

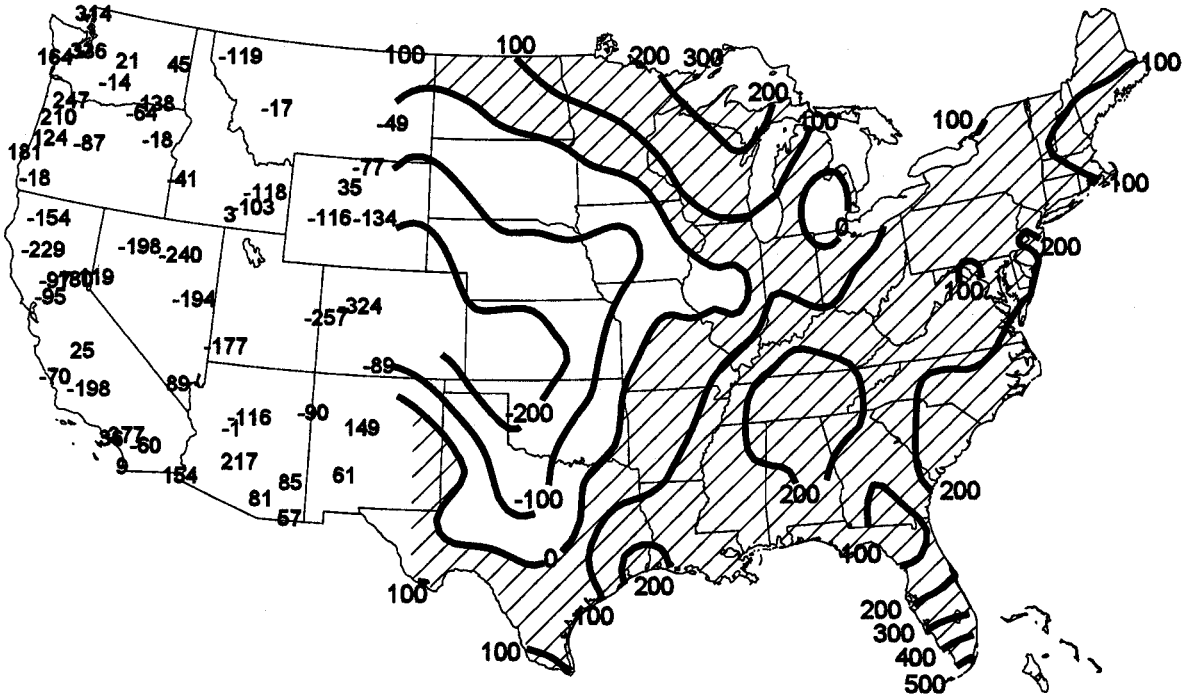
Total Growing Degree Days
March 1 - July 15, 1995



Corn
Computed to 50 degree F base with daily maximum temperature limited to 86 degrees F or less and daily minimum to 50 degrees F or more.

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data

Growing Degree Days Departure from Normal
March 1 - July 15, 1995



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data

National Agricultural Summary

July 10 - 16, 1995

HIGHLIGHTS: A record-breaking heat wave starting in the central Plains crossed the Nation early in the week, stressing row crops. Mercuries shot up to the high 90's across the Corn Belt, where the heat caused concern for fields that were beginning to tassel and silk. The Midwest started the week with adequate soil moisture that sustained the crops through some of the hottest weather in years. The extreme heat scorched fields and depleted soil moisture. Row crops with shallow roots on sandy soil were adversely affected by the high temperatures. The hot, dry weather ripened small grains and spurred the wheat harvest, forcing many custom operators in the central Plains to begin moving north. The clear weather provided farmers with a full week suitable for fieldwork, but the intense summer heat prevented some field activities. Many crops in North Carolina were improved by the warm, dry weather that helped slow the spread of blue mold in the tobacco crop. Cool weather in the Western States allowed field activities to progress, but slowed crop development. The above-normal temperatures resulted in many livestock losses and caused reduced weight gain.

The **winter wheat** crop in the 19 major producing States was 66 percent (%) harvested, 6 percentage points behind the 5-year average. Hot, dry weather ripened the wheat, allowing producers to make rapid progress in Kansas, where wheat harvested was 90% complete, up 53 points from last week, 4 points behind the average. The hot weather enabled the wheat harvest to make remarkable progress in Ohio and Nebraska and accelerated the wheat crop's development in the Northern States. The harvest proceeded without delay in the Texas High Plains and was winding down in many fields.

Spring wheat condition was rated as good to fair with 64% of the acreage headed, 26 points behind normal. North Dakota's crop was mostly good, with 45% of the acreage headed, 44 points behind normal. Thunderstorms in North Dakota following the heat wave left wheat development behind the average.

Corn condition for the 17 major producing States declined slightly from last week, with 62% of the crop reported as good to excellent. Record-breaking heat across the Corn Belt lowered condition ratings slightly, due to producers' concern for corn stressed during the tasseling and silking stage. Corn development was behind schedule, with 12% of the crop silking, compared with 42% last year and 29% for the average. Corn acreage silked was over 30 points behind the average in Illinois, Kansas, and Nebraska. In Nebraska, 46% of the crop was rated as good to excellent, down from last week. Average corn height in South Dakota was 33 inches, up 12 inches from the previous week, but behind the 42-inch average.

Cotton squaring was 86% complete, up 11 points from last week and 34 points ahead of the average for the Nation. Cotton condition was good to fair with 38% of the crop setting bolls, 1 point ahead of the average. Cotton condition in North and South Carolina was up from last week due to the hot, dry weather drying saturated fields. Condition was down in Alabama and Georgia, where very short soil moisture supplies resulted from the heat wave. Cool weather slowed cotton development in California, where 80% of the cotton was squaring, 11 points behind the average. Oklahoma's cotton squaring at 34% complete was 29 points behind the average. Warm weather in Louisiana pushed cotton growth, with cotton setting bolls at 88% complete, 19 points ahead of normal, while cotton setting bolls was behind the average by 18 points in New Mexico and North Carolina. Light to moderate insect problems were reported in the Delta and the Southeastern States. Cotton fields in Mississippi were in need of rain, especially plants in the fruiting stage. Some cotton fields in the Texas Plains were showing signs of heat stress, but overall made good progress, with 79% of the crop squaring, 11 points ahead of the average. In Texas' Lower Valley, defoliation activity increased, while bolls were opening in central Texas, where some irrigation was required.

Sorghum condition was mostly good to fair with 26% of the sorghum acres headed, 1 point ahead of the average. Grain sorghum fields in Texas matured rapidly from the hot weather and were 78% headed, 12 points ahead of the average. Sorghum fields in the Texas High Plains needed rain, while harvest activity was nearing completion in the Lower Valley. Sorghum condition dropped in Nebraska as a result of the excessive heat.

Rice condition was mostly good to fair, with 20% of the crop headed. Cool weather slowed rice development in California, where fields were treated for weeds. In Arkansas, some rice varieties had blast and blight problems. Texas rice fields were 62% headed, 11 points ahead of the average, while flooding of fields continued.

Soybean condition was mostly good to fair, with 21% of the crop blooming, 15 points behind the average. Soybean blooming was 27 points behind the average in Kansas and Nebraska, while blooming was 31 points behind normal in Illinois. The lateness of soybeans blooming in the Midwest shielded many fields from the hot, dry weather. Soybean condition declined from last week in Nebraska, where the excessive heat affected some fields. Spotty soybean stands were reported in some fields in southeastern Nebraska. In the Great Lakes region, soybean plant growth was slowed due to the hot weather, but overall was in good shape. In Minnesota, the average soybean height was 17 inches, compared with the 16-inch average.

Crop Production Highlights

The following information was released by USDA's Agricultural Statistics Board on July 12, 1995. Forecasts refer to July 1, 1995.

All wheat production for 1995 is forecast at 2.19 billion bushels, down 6 percent (%) from 1994 to the lowest level since 1991. Yields are expected to average 35.9 bushels per acre, down 1.7 bushels from last year.

Winter wheat production is forecast at 1.53 billion bushels, down 5% from the June forecast and 8% from 1994. U.S. yields are now expected to average 37.0 bushels per acre, down 2.6 bushels from last month and 3.2 bushels from last year.

Spring wheat (excluding durum) production is forecast at 546 million bushels, down 3% from 1994. Yields are forecast at 33.2 bushels per acre, up 1.4 bushels from last season.

Crop Progress and Condition

Week Ending July 16, 1995

Winter Wheat Percent Harvested

	Jul 16 1995	Prev Week	Prev Year	5-Yr Avg
AR	100	99	96	99
CA	95	85	94	90
CO	25	6	97	69
GA	100	100	100	100
ID	0	0	4	2
IL	94	88	94	88
IN	92	65	82	73
KS	90	37	100	94
MI	15	0	26	23
MO	94	70	97	84
MT	0	0	0	0
NE	31	2	88	58
NC	86	76	99	99
OH	75	23	82	57
OK	99	94	100	99
OR	1	0	8	8
SD	2	0	28	20
TX	92	87	99	97
WA	1	0	6	6
ALL	66	43	80	72

These 19 States produced 92% of the 1994 winter wheat crop.

Soybeans Percent Blooming

	Jul 16 1995	Prev Week	Prev Year	5-Yr Avg
AL	17	9	27	22
AR	13	7	26	17
GA	23	16	30	28
IL	17	7	54	48
IN	18	7	54	46
IA	31	12	76	43
KS	3	1	47	30
KY	21	17	36	24
LA	51	31	34	28
MI	20	7	24	22
MN	35	9	68	36
MS	54	36	34	22
MO	4	0	41	25
NE	6	0	68	33
NC	11	6	16	13
OH	25	5	56	50
SC	14	9	16	14
SD	18	2	51	32
TN	17	5	13	12
ALL	21	8	52	36

These 19 States produced 94% of the 1994 soybean crop.

Cotton Percent Squaring

	Jul 16 1995	Prev Week	Prev Year	5-Yr Avg
AL	96	92	83	88
AZ	99	97	100	99
AR	100	95	100	98
CA	80	50	94	91
GA	97	95	96	96
LA	100	100	99	95
MS	100	99	100	92
MO	98	92	100	92
NM	75	53	78	81
NC	65	55	77	79
OK	34	12	72	63
SC	88	71	89	89
TN	98	94	99	89
TX	79	63	79	68
ALL	86	75	88	82

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

Cotton Percent Setting Bolls

	Jul 16 1995	Prev Week	Prev Year	5-Yr Avg
AL	44	15	39	38
AZ	55	45	82	81
AR	37	14	71	50
CA	5	0	32	30
GA	75	54	62	55
LA	88	75	80	69
MS	59	38	59	50
MO	30	20	49	28
NM	20	5	44	37
NC	25	17	44	43
OK	3	1	17	11
SC	37	22	45	46
TN	37	12	34	23
TX	28	26	34	26
ALL	38	27	46	37

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

Spring Wheat Percent Headed

	Jul 16 1995	Prev Week	Prev Year	5-Yr Avg
ID	75	50	95	83
MN	90	74	99	97
MT	79	45	88	81
ND	45	25	84	89
SD	85	58	100	99
ALL	64	41	89	90

These 5 States produced 98% of the 1994 spring wheat crop.

Sorghum Percent Headed

	Jul 16 1995	Prev Week	Prev Year	5-Yr Avg
AR	35	15	55	35
CO	0	0	1	2
IL	1	0	11	12
KS	0	0	9	5
LA	63	40	75	66
MS	61	32	63	50
MO	10	0	19	16
NE	0	0	7	4
NM	0	0	2	1
OK	6	2	16	11
SD	1	0	2	2
TX	78	74	71	66
ALL	26	23	30	25

These 12 States produced 98% of the 1994 sorghum crop.

Corn Percent Silking

	Jul 16 1995	Prev Week	Prev Year	5-Yr Avg
CO	0	0	16	9
GA	99	99	98	98
IL	13	2	62	47
IN	13	5	36	31
IA	0	0	46	19
KS	17	13	66	54
KY	55	45	63	53
MI	1	0	9	11
MN	11	1	7	6
MO	23	15	52	42
NE	0	0	60	32
NC	92	83	91	85
OH	8	1	21	25
PA	14	10	9	9
SD	0	0	18	9
TX	80	74	74	77
WI	3	0	12	10
ALL	12	7	42	29

These 17 States produced 91% of the 1994 corn crop.

Rice Percent Headed

	Jul 16 1995	Prev Week	Prev Year	5-Yr Avg
AR	3	0	14	7
CA	0	0	0	0
LA	52	40	51	54
MS	20	17	17	16
TX	62	50	65	51
ALL	20	15	25	21

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

Crop Progress and Condition

Week Ending July 16, 1995

Soybeans Crop Condition by Percent

State	VP	P	F	G	EX
AL	0	7	62	30	1
AR	0	2	22	62	14
GA	0	3	61	33	3
IL	2	11	45	37	5
IN	1	12	39	43	5
IA	1	7	33	49	10
KS	0	13	25	59	3
KY	0	1	24	66	9
LA	1	8	34	54	3
MI	2	13	23	43	19
MN	1	5	31	48	15
MS	0	5	16	67	12
MO	3	18	44	33	2
NE	2	19	48	30	1
NC	1	8	38	41	12
OH	2	9	31	45	13
SC	0	0	23	66	11
SD	1	10	36	40	13
TN	0	2	20	52	26
ALL	1	9	35	46	9
Prev Wk	1	7	33	50	9
Prev Yr	0	2	19	63	16

Cotton Crop Condition by Percent

State	VP	P	F	G	EX
AL	1	6	63	28	2
AZ	1	20	27	32	20
AR	0	4	19	56	21
CA	0	0	20	80	0
GA	0	4	62	34	0
LA	1	6	17	64	12
MS	0	5	19	62	14
MO	1	13	26	52	8
NM	0	10	44	46	0
NC	3	8	40	47	2
OK	0	2	29	65	4
SC	0	0	35	55	10
TN	0	0	15	63	22
TX	5	10	38	40	7
ALL	2	7	33	49	9
Prev Wk	1	7	33	48	11
Prev Yr	0	1	26	62	11

Corn Crop Condition by Percent

State	VP	P	F	G	EX
CO	0	4	18	60	18
GA	2	8	47	43	0
IL	1	10	35	47	7
IN	1	9	33	50	7
IA	1	5	26	54	14
KS	0	6	29	56	9
KY	1	5	32	51	11
MI	1	7	25	52	15
MN	1	4	21	53	21
MO	3	17	42	31	7
NE	1	8	45	41	5
NC	1	2	8	66	23
OH	2	8	28	46	16
PA	0	3	13	57	27
SD	1	6	31	51	11
TX	1	7	25	53	14
WI	1	4	20	57	18
ALL	1	7	30	50	12
Prev Wk	1	6	27	53	13
Prev Yr	0	1	13	57	29

Rice Crop Condition by Percent

State	VP	P	F	G	EX
AR	0	1	16	66	17
CA	0	0	50	50	0
LA	0	3	20	68	9
MS	0	2	11	67	20
TX	0	0	5	47	48
ALL	0	1	20	62	17
Prev Wk	0	2	20	60	18
Prev Yr	0	0	16	76	8

Sorghum Crop Condition by Percent

State	VP	P	F	G	EX
AR	0	3	23	62	12
CO	4	6	21	48	21
IL	1	7	46	40	6
KS	0	4	28	63	5
LA	0	7	24	63	6
MS	0	6	25	58	11
MO	1	10	43	44	2
NE	1	14	50	32	3
NM	0	0	41	59	0
OK	0	2	11	87	0
SD	0	4	36	53	7
TX	1	6	25	50	18
ALL	1	6	31	53	9
Prev Wk	1	5	31	56	7
Prev Yr	1	2	28	60	9

Spring Wheat Crop Condition by Percent

State	VP	P	F	G	EX
ID	0	0	11	60	29
MN	2	12	54	30	2
MT	1	4	26	47	22
ND	1	7	24	62	6
SD	1	6	30	52	11
ALL	1	7	29	53	10
Prev Wk	2	7	28	54	9
Prev Yr	1	5	26	56	12

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

State Summaries of Weather and Agriculture

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

ALABAMA: Rainfall none to 1.31 in. north; none to 2.32 in. central; none to 2.03 in. south. Temperatures normal to 7° above normal statewide. Lows 62 to 73° north, 64 to 72° central; 62 to 72° south. Highs 94 to 101° north, 94 to 102° central; 94 to 99° south.

Days suitable for fieldwork 6.4. Topsoil 30% very short, 42% short, 27% adequate, 1% surplus. Corn silked 96%, 89% 1994, 88% avg.; dented 45%, 34% 1994, 41% avg.; mature 12%, 6% 1994, 13% avg.; 2% very poor, 22% poor, 45% fair, 25% good, 6% excellent. Sorghum 10% poor, 51% fair, 39% good. Peanuts pegged 59%, 41% 1994, 66% avg.; 1% poor, 42% fair, 57% good. Livestock 2% poor, 42% fair, 51% good, 5% excellent. Activities: Planting, cultivating, spraying crops. General care of livestock, poultry, catfish.

ALASKA: Partly sunny skies, seasonal temperatures dominated the statewide weather picture.

Days available for making hay 3. Soil moisture 30% short, 70% adequate. First crop hay harvest was 45% complete, compared to 60% 1994. Crop growth was 10% slow, 55+wmoderate, 35% rapid. Barley 20% in dough, compared to 10% in 1994. Oats were 20% in dough, compared to 5% 1994. Barley 80% avg., 20% above average. Commercial potato 10% below average, 75% average, 15% above average; height 12 in., 1 in. more than last year.

ARIZONA: Temperatures 2° below to 2° above normal. Extremes 43°; 100° higher elevations; 65°; 115° deserts. Monsoon season officially arrived. Scattered precipitation, some locally heavy; as much as 2.85 in. with flash flooding.

Small grain harvest virtually complete; 99% harvested, 100% 1994, 100% avg. Cotton progress continues behind past years. Alfalfa 10% fair, 68% good, 22% excellent. Harvest 40% light, 5% moderate, 35% active, 20% between cuttings. Cantaloupe, honeydew, watermelon harvest slowed. Central growers also shipped potatoes, carrots, green onions, cabbage, chili peppers. Light, steady volume tomatoes available eastern area. Grapefruit, Valencia orange harvested declining western, central groves. Grape harvest active central areas.

ARKANSAS: Temperatures slightly above normal with little or no rainfall. Extremes 63°; 101°. Precipitation none to 0.97 in.

Days suitable for fieldwork 7. Soil moisture 44% short, 53% adequate, 3% surplus. Blast, blight reported in some varieties of rice in Prairie county. Faulkner county reported one third of rice crop lost due to river flooding. Replanting of soybeans in Lee county. Tomato harvest beginning in Cleburne county, ending in Cleveland county. Cantaloupe harvest in Crawford county, watermelon harvest in Hempstead county, grape harvest in White county. Livestock stress due to high temperatures statewide.

CALIFORNIA: Slow moving trough, low pressure, caused weather to be cooler than normal, most week. Some light precipitation occurred, Sierra Nevadas, extreme northern region. In general, coastal areas did not experience, cooler than normal temperatures. Field activities progressed. Grain harvests, wheat, barley, oats neared completion. Remaining straw, cut, baled for hay; some fields, disced. Late planted oats, volunteer rye, cut for hay. Rice, treated for weeds, slowly progressed. Over-wintered sugarbeets, harvested; new crop fields, thinned. Planting, corn, blackeye beans nearly done. Garbanzo bean harvest, full swing. Cotton, good growth, development; some setting of bolls, observed. Fields irrigated, sprayed for aphids, lygus, mites, weeds. Safflower, seed alfalfa treated for aphids, lygus, mites. Safflower, full bloom, some areas began to dry. Alfalfa, oats, sudangrass cut for hay. Stone fruit growers, central, southern regions harvested fruit; cultural activities continued, orchards. Fresno County grape growers irrigated vineyards, treated to control mildew, mites, leafhoppers. Harvest, Perlette, Flame Seedless table grapes continued, San Joaquin Valley. Apricot harvest, nearly complete, San Benito County. Apple, walnut orchards treated to control codling moth. Gravenstein apples began to color, Sonoma County. Barlett pear picking began, Sacramento area, last week. Picking, other, earlier pear varieties began, Yuba County. Almond orchards treated for mites, navel orange worm. Valencia orange, grapefruit, avocado, harvested. Ventura area lemons picked for last time this season. New Navel orange crop, treated for red scale. Harvests, broccoli, cauliflower, Monterey, San Luis Obispo counties. Carrots harvested, Kern County. Celery harvested, Monterey, Ventura, San Luis Obispo counties. Garlic harvest continued, Kern, Kings counties. Lettuce fields, Monterey, San Luis Obispo counties harvested. Fall lettuce fields, prepared planting, Fresno County. Melons, picked, San Joaquin, desert valleys. Onion harvest continued, San Joaquin Valley, Riverside County. Bell peppers, harvested, desert areas, San Joaquin Valley. Harvest, spring potatoes, Kern County continued. Fall potato fields, Tulelake-Butte Valley area, good growth. Sweet corn, harvested, San Joaquin Valley, Riverside County. Sweet potatoes, treated for worms, Merced County. Harvest, fresh market tomatoes continued, San Joaquin Valley; harvest, processing tomatoes began. Vineseed, planted, Sutter, Glenn counties. Other crops harvested: oriental vegetables, cherry tomatoes, eggplant, fava, green beans, green onions, okra, radishes, peas, squash, spinach, tomatillos, turnips, zucchini. Ranges, pastures, lower elevations drying quickly. Conditions generally fair. Upper elevations, good condition. Livestock movement, summer mountain grazing, variable. Feed, water supplies adequate; some supplemental feeding continued. Cattle, sheep, good condition.

COLORADO: Beginning of week was hot, dry with some areas reaching 100° temperatures. A cold front moved into State on 13th bringing up to 2.00 in. rainfall amounts over eastern part of State. Temperatures returned to near normal for remainder of week, with exception of 16th when temperatures were 5° below normal in northeast. Heavy precipitation occurred on 14th, 15th decreased by 16th. Conditions in the west were mostly dry from 14th through 16th.

Days suitable for fieldwork 6.1. Topsoil 5% very short 30% short, 63% adequate, 2% surplus. Subsoil 2% very short, 16% short 80% adequate, 2% surplus. Winter wheat 47% ripe, 100% 1994, 93% avg.; 3% very poor, 4% poor, 15% fair, 43% good, 35% excellent. Spring wheat 75% headed, 92% 1994, 84% avg.; 9% turning color, 21% 1994, 22% avg.; 7% poor, 19% fair, 56% good, 18% excellent. Spring barley 25% turning color, 45% 1994, 47% avg.; 1% harvested, 13% 1994, 11% avg.; 7% poor, 23% fair, 58% good, 12% excellent. Oats 85% headed, 92% 1994, 89% avg.; 40% turning color, 83% 1994, 59% avg.; 3% poor, 34% fair, 51% good, 12% excellent. Sorghum 0% headed, 1% 1994, 2% avg. Dry onions 2% poor, 14% fair, 60% good, 24% excellent. Sugarbeets 20% fair, 64% good, 16% excellent. Summer potatoes 3% very poor, 4% poor, 8% fair, 61% good, 24% excellent. Fall potatoes 1% very poor, 7% poor, 13% fair, 64% good, 15% excellent. Dry beans 1% flowered, 24% 1994, 11% avg.; 1% poor, 19% fair, 59% good, 21% excellent. Alfalfa 90% 1st cutting, 100% 1994, 94% avg.; 10% 2nd cutting, 60% 1994, 28% avg.; 1% very poor, 3% poor, 26% fair, 56% good, 14% excellent. Livestock mostly in good to excellent condition.

DELAWARE: Precipitation 0.12 in., normal 0.90 in. Temperature 75.6°, normal 76.4°. Extremes 56°; 95°. High temperatures upper 80s to mid 90s. Lows upper 50s.

Days suitable for fieldwork 6.7. Topsoil 21% very short, 67% short, 12% adequate. Subsoil 9% very short, 60% short, 31% adequate. Winter wheat 7% fair, 91% good, 2% excellent; 96% harvested, 87% 1994, 94% avg. Corn 22% poor, 46% fair, 32% good; 49% silked; 32% 1994; 45% avg. Soybeans 3% poor, 54% fair, 43% good; 93% planted, 94% 1994, 95% avg.; 9% bloomed, 16% 1994, 10%

avg. Sorghum 59% fair, 41% good. Other hay 83% 2nd cutting, 30% 1994, 41% avg.; 5% 3rd cutting, 0% 1994, 2% avg. Alfalfa hay 98% 2nd cutting, 67% 1994, 82% avg.; 8% 3rd cutting, 5% 1994, 5% avg. Potatoes 22% harvested, 11% 1994, 11% avg. Sweet corn 15% harvested, 22% 1994, 19% avg. Apples 8% fair, 92% good. Peaches 6% fair, 94% good; 12% harvested, 16% 1994, 20% avg. Hay supply mostly adequate. Vegetable harvest in full swing.

FLORIDA: Temperatures 1 to 5° above normal. Highs 100°. Lows upper 60s to upper 70s. Rain amounts extremely variable. Showers, thunderstorms numerous northeast, Peninsula. Rain under 0.50 in. to locally 5.00 in.

Soil moisture short to adequate throughout State, scattered areas of very short or surplus moisture. Hay making active. Tobacco harvest active. Preparing for tobacco markets to open. Corn for grain harvest started. Cotton, peanuts, soybeans, sugarcane good growth. Harvesting nearly complete for sweet corn, watermelons, tomatoes. Small amount harvested for local sales. Fall vegetable crop planting expected to start shortly. Most citrus in very good condition. Moisture adequate, rains a little more frequent. New growth more abundant where rains have been regular. Most fruit are sizing well for mid July. Caretakers cutting cover crops, spraying, fertilizing, planting young trees. Pasture poor 5%, fair 30%, good 65%. Cattle fair 25%, good 70%, excellent 5%.

GEORGIA: Hot week, temperatures 4 to 8° above normal in northern half of State, 2 to 5° above south. Highs lower to middle 90s mountains with upper 90s central, south. Temperatures 100° or more recorded at Athens, Atlanta, Bainbridge, Byron, Columbus, Dublin, Jesup, Macon. Lows around 60° mountains to upper 60s central, around 70° south. Rain quite variable, scattered. One to 3 days with rain except isolated spots with 5 or 6 days of rain. Totals of 1.00 to 2.00 in. common extreme southwest, local areas elsewhere. Many locations no rain or under 0.25 in.

Days suitable for fieldwork 6.4. Soil moisture 31% very short, 57% short, 12% adequate. Temperatures very hot statewide. Scattered showers some areas. Weed control measures being taken. Insect pressure building. Hay cutting, baling north. Cabbage harvest full swing north. Irrigation very active. Corn 92% dough, 94% 1994, 90% avg.; 69% dent, 71% 1994, 66% avg.; 22% mature, 22% 1994, 20% avg. Hay 16% poor, 48% fair, 35% good, 1% excellent. Peanuts 4% poor, 54% fair, 40% good, 2% excellent; 98% blooming, 99% 1994, 99% avg.; 89% pegging, 91% 1994, 86% avg. Sorghum 4% poor, 68% fair, 28% good; 97% planted, 97% 1994, 98% avg. Soybeans 100% planted, 99% 1994, 99% avg.; 5% setting pods, 9% 1994, 6% avg. Tobacco 8% poor, 77% fair, 15% good; 42% harvested, 36% 1994, 36% avg. Watermelons 18% poor, 58% fair, 24% good; 88% harvested, 86% 1994, 82% avg. Other vegetables 10% poor, 61% fair, 29% good. Apples 14% fair, 86% good; 1% harvested, 2% 1994, 3% avg. Peaches 7% poor, 38% fair, 52% good, 3% excellent; 85% harvested, 90% 1994, 86% avg. Pecans 9% poor, 63% fair, 28% good. Cattle 6% poor, 36% fair, 57% good, 1% excellent. Hogs 4% poor, 40% fair, 54% good, 2% excellent.

HAWAII: Weather and crop information not available.

IDAHO: Temperatures 9° below normal to 2° above normal. Precipitation none to 1.83 in. north, 0.01 to 0.53 in. southwest, none to 0.33 in. south central, none to 0.46 in. southeast. Extremes temperatures: 41 °; 99 °.

Days suitable for fieldwork 6.0. Topsoil 8% short, 86% adequate, 6% surplus. Irrigation water supplies 28% good, 72% excellent. Alfalfa hay first cutting 96%, 98% 1994, 97% avg. Alfalfa hay second cutting 14%, 21% 1994, 19% avg. Cherries harvested 94%, 99% 1994, 89% avg. Mint first cutting 5%, 9% 1994, 9% avg. Peaches harvested 4%, 11% 1994, 6% avg. Potatoes 12 in. high 76%, 93% 1994, 89% avg.; closing middles 40%, 63% 1994, 52% avg.; 4% poor, 23% fair, 49% good, 24% excellent. Spring barley boot stage 92%, 99% 1994, 92% avg.; headed 70%, 94% 1994, 83% avg.; turning color 16%, 9% 1994, 24% avg.; 11% fair, 60% good, 29% excellent. Spring wheat boot stage 96%, 99% 1994, 92% avg.; turning color 13%, 42% 1994, 23% avg.; 11% fair, 60% good, 29% excellent. Activities: Irrigating, fertilizing, applying pesticides, hoeing sugarbeets, cultivating potatoes, cutting mint, cutting alfalfa.

ILLINOIS: A record heat wave engulfed the State. Highs in the upper 90s to mid 100s. Temperature 4 to 6° above normal in the south, 8 to 12° above normal in the central, north. Some scattered thunderstorms developed, totals were highly variable ranging none to 0.75 in.

Days suitable for fieldwork 6.5. Topsoil 5% very short, 35% short, 57% adequate, 3% surplus. Hot, dry conditions throughout State created some concern over heat stress in livestock, crops. Corn less than 1% dough, 3% 1994, 8% avg. Soybeans 2% setting pods, 10% 1994, 14% avg. Oats 88% filled, 100% 1994, 96% avg.; 61% turning yellow, 96% 1994, 80% avg.; 12% ripe, 77% 1994, 53% avg.; 3% harvested, 27% 1994, 25% avg. Oats 14% poor, 36% fair, 46% good, 4% excellent. Alfalfa 48% second cutting, 78% 1994, 64% avg.; 3% third cutting, 6% 1994, 5% avg.; 4% poor, 24% fair, 59% good, 13% excellent. Red clover 93% cut, 100% 1994, 93% avg.

INDIANA: Record breaking heat wave engulfed State. Temperatures well into 90s with lower 100° temperatures noted around State. Kentland recorded hottest temperature with 103° on 13th. Effects of heat compounded by tropical moisture, effective temperatures ranging between 105 to 120° at times. Average temperatures 80° to the mid 80s, some 5 to 8° above normal south rising to 8 to 12° above normal north. Daytime highs varied from 90 to 96° with mean lows between upper 60s to mid 70s. Some scattered thunderstorms developed on most days in hot, humid atmosphere, but coverage was lacking, totals were highly variable. A few areas, notably far northern parts of State, noted more than 1.00 in.; most sections left with well under 1.00 in. Driest pockets included much of southern, central, west central areas where less than 0.10 in. fell.

Days suitable for fieldwork 6.7. Topsoil 18% very short, 39% short, 40% adequate, 3% surplus. Subsoil 10% very short, 28% short, 58% adequate, 4% surplus. Wheat harvest made excellent progress across State. Hot, dry weather placed major crops and livestock under severe stress. Death of some livestock occurred because of extreme heat. Alfalfa second cutting 48% complete, 65% 1994, 52% avg.

IOWA: Hottest week in seven years, temperatures 7 to 9° above normal. Extremes 56°; 109°. Midweek dew point temperatures as high 87° combined with 100° air temperatures to produce incredibly high heat indices of 114 to 137°. Scattered thunderstorms 14th night into 15th. Rain amounts from none in the southeast up to 3.57 in. Mapleton west central. State average 0.64 in. (normal 0.95 in.).

Days suitable for fieldwork 6.8. Topsoil short 33%, adequate 65%, surplus 2%. Subsoil moisture short 8%, adequate 83%, surplus 9%. Corn cultivated 1st time 90%, 99% 1994, 89% avg.; tasseling 3%, 70% 1994, 35% avg.; average height in inches 48, tallest height in inches 63. All hay 1% very poor, 5% poor, 34% fair, 52% good, 8% excellent; alfalfa hay second cutting 11%, 53% 1994, 35% avg. Clover hay first cutting 81%, 99% 1994, 89% avg. Oats 1% very poor, 13% poor, 38% fair, 43% good, 5% excellent; turning color 79%, 99% 1994, 82% avg. Winter wheat 2% very poor, 18% poor, 41% fair, 36% good, 3% excellent; harvested 44%, 61% 1994, 47% avg.

KANSAS: Temperatures 4 to 7° above normal across State. Precipitation was moderate in northwest, northeast, southeast. Elsewhere precipitation was light.

Days suitable for fieldwork 6.7. Soil moisture is becoming short in many areas. Topsoil 5% very short, 40% short, 53% adequate, 2% surplus. Subsurface 1% very short, 12% short, 84% adequate, 3% surplus. Hot, dry weather has ripened wheat, allowed harvest to progress rapidly. With continued warm, dry weather harvest will be finished soon. Planting of sorghum, soybeans is now completed. Because of late planting, cool, wet weather during May, June, fall crops are behind schedule. Alfalfa cut the second time 80%, 96% 1994, 81% avg. Cut the third time 4%, 18% 1994, 11% avg. Farmers were busy the past week putting up hay, finishing planting fall crops, harvesting wheat.

KENTUCKY: Unusually warm. Daily high temperatures 7 to 8° above normal. Low temperatures at night 4 to 6° above mean. Bowling Green 100° high. Extremes upper 90s. Precipitation sparse with rainfall over State 0.05 in. Most precipitation east, northeast from scattered thunderstorms. Accumulations of rain 0.80 in. below normal.

Days suitable for fieldwork 5.9. Topsoil 13% very short, 40% short, 46% adequate, 1% surplus. Subsoil 6% very short, 28% short, 64% adequate, 2% surplus. Hot, dry conditions began to stress crops, livestock. Weather conditions helping slow spread of blue mold in tobacco some areas. Burly tobacco 20% blooming or beyond, 5% topped. Dark tobacco 37% blooming or beyond. All tobacco: 1% very poor, 14% poor, 42% fair, 37% good, 6% excellent. Wheat harvest finishing up. Haying remained very active. Pasture mostly good to fair.

LOUISIANA: Temperatures 2 to 3° above normal. Extremes 67°; 98°. Rainfall 0.18 in. NW to 1.92 in. SE.

Days suitable for fieldwork 6.1. Soil moisture 2% very short, 25% short, 66% adequate, 7% surplus. Corn 1% very poor, 14% poor, 35% fair, 47% good, 3% excellent; 100% silked, 100% 1994, 99% avg.; 92% dough stage, 92% 1994, 86% avg.; 27% mature, 31% 1994, 25% avg.; 0% harvested, 1% 1994, 0% avg. Crop was speeding toward maturity. Cotton light to moderate insect infestations present. More rain was needed. Hay 100% first cutting, 96% 1994, 91% avg.; 23% second cutting, 11% 1994, 6% avg. Growth was stressed in some parishes due to shortage of moisture. Peaches 53% fair, 47% good, 59% harvested, 85% 1994, 77% avg. Harvest progressed smoothly. Rice 10% ripe, 4% 1994, 7% avg.; 3% harvested, 1% 1994, 2% avg. Growers began harvesting in the southern parishes. Sorghum 100% planted, 100% 1994, 100% avg.; 100% emerged, 100% 1994, 98% avg.; 11% coloring, 8% 1994, 10% avg.; 0% ripe, 0% 1994, 1% avg. Soybeans 100% emerged, 99% 1994, 96% avg.; 23% setting pods, 11% 1994, 8% avg. Fields were scouted for insects, some treated for armyworms. Sugarcane 1% poor, 24% fair, 52% good, 23% excellent. Some rain received, moisture was still short in some areas. Sweet potatoes 2% poor, 23% fair, 73% good, 2% excellent; 100% planted, 96% 1994, 94% avg.;0% harvested, 0% 1994, 0% avg. Crop improved due to showers. Vegetables 3% very poor, 14% poor, 43% fair, 39% good, 1% excellent. Livestock 1% poor, 22% fair, 65% good, 12% excellent. Some poultry producers lost birds due to extreme heat.

MARYLAND: Precipitation 0.46 in., normal 0.86 in. Temperature 76.5°, normal 75.7°. Extremes 46°; 98°. Low temperatures upper 50s to the mid 60s. Highs were mainly in the 90s.

Days suitable for fieldwork 6.4. Topsoil 10% very short, 25% short, 65% adequate. Subsoil 8% very short, 19% short, 73% adequate. Winter wheat 1% poor, 16% fair, 48% good, 35% excellent; 80% harvested, 92% 1994, 90% avg. Rye 2% poor, 11% fair, 74% good, 13% excellent; 51% harvested, 82% 1994, 84% avg. Corn 3% very poor, 3% poor, 15% fair, 51% good; 28% excellent. Soybeans 6% very poor, 6% poor, 18% fair, 51% good, 19% excellent; 94% planted, 94% 1994, 94% avg.; 8% bloomed, 10% 1994, 14% avg. Sorghum 3% poor, 10% fair, 59% good, 28% excellent. Tobacco 9% fair, 82% good, 9% excellent; 15% bloomed, 4% 1994, 11% avg. Other hay 46% 2nd cutting, 57% 1994, 41% avg. Alfalfa hay 72% 2nd cutting, 67% 1994, 79% avg.; 7% 3rd cutting, 12% 1994, 8% avg. Apples 1% poor, 1% fair, 60% good, 38% excellent; 36% potatoes harvested, 36% 1994, 21% avg.; 19% sweet corn harvested, 31% 1994, 21% avg.; 9% tomatoes harvested, 12% 1994, 14% avg.; 6% watermelons harvested, 9% 1994, 8% avg. Peaches 12% fair, 75% good, 13% excellent; 7% harvested, 16% 1994, 14% avg. Activities: Harvesting of vegetables.

MICHIGAN: Extremes 42°; 102°. Precipitation none to 2.91 in. across State. Temperatures 4 to 8° above normal. Some record highs set. Scattered showers, thunderstorms, precipitation varied.

Days suitable for fieldwork 6.0. Most crops faired well through extreme heat, humidity. Topsoil 12% very short, 50% short, 36% adequate, 2% surplus. Subsoil 9% very short, 41% short, 49% adequate, 1% surplus. Corn height 44 in., 50 in. 1994, 47 in. avg.; silking, 1%, 5% 1994, 9% avg. Drybeans blooming 4%, 5% 1994, 47% avg.; 8% poor, 21% fair, 50% good, 21% excellent. All hay, first cutting 99%, 95% 1994, 95% avg.; second cutting 29%, 25% 1994, 25% avg.; 4% very poor, 8% poor, 27% fair, 47% good, 14% excellent. Oats, headed 93%, 90% 1994, 90% avg.; turning yellow 42%, 25% 1994, 37% avg.; 5% very poor, 14% poor, 40% fair, 34% good, 7% excellent. Wheat turning yellow 93%, 88% 1994, 92% avg. Pasture for feed 3% very poor, 17% poor, 31% fair, 42% good, 7% excellent.

MINNESOTA: Temperatures 3 to 5° above normal northern third of State, 5 to 6° above normal central part, 7 to 8° above normal southern part. Extremes 46°; 108°. Precipitation 0.12 to 0.87 in. above normal northern third of State, 0.05 to 1.22 in. above normal central, 0.13 in. below normal southwest, 0.27 in. below normal southeast, 0.54 in. above normal south central. Greatest weekly rainfall total 4.00 in.

Days suitable for fieldwork 5.1 Topsoil 6% very short, 13% short, 67% adequate, 14% surplus. Spring wheat headed 90%, 99% 1994, 98% avg. Oats headed 96%, 99% 1994, 97% avg. Barley headed 91%, 99% 1994, 97% avg. Corn height 55 in., 63 in. 1994, 49 in. avg.; tasseling 11%, 39% 1994, 18% avg. Soybean height 17 in., 20 in. 1994, 16 in. avg.; 35% blooming, 68% 1994, 36% avg. Oats 4% very poor, 18% poor, 41% fair, 31% good, 6% excellent. Barley 4% very poor, 12% poor, 50% fair, 32% good, 2% excellent. Sunflowers 1% very poor, 2% poor, 24% fair, 57% good, 16% excellent.

MISSISSIPPI: Temperatures 2° above normal. Extremes 64°; 101°. Soil temperatures 89°. Precipitation 0.47 in., 0.48 in. below normal. Rainfall ranged from trace upper delta district to 2.39 in. coastal district.

Days suitable for fieldwork 6.1. Soil moisture 8% very short, 27% short, 61% adequate, 4% surplus. Corn 97% silked, 99% 1994, 89% avg.; 73% dough, 81% 1994, 56% avg.; 27% dent, 24% 1994, 24% avg.; 4% poor, 26% fair, 56% good, 14% excellent. Soybeans 100% planted, 100% 1994, 97% avg.; 99% emerged, 100% 1994, 93% avg.; 54% blooming, 34% 1994, 22% avg.; 17% setting pods, 9% 1994, 4% avg.; 5% poor, 16% fair, 67% good, 12% excellent. Wheat 100% harvested, 100% 1994, 99% avg. Hay 65% harvested warm, NA 1994, NA avg.; 1% very poor, 6% poor, 34% fair, 50% good, 9% excellent. Peaches 48% harvested, 86% 1994, 77% avg.; 5% poor, 25% fair, 53% good, 17% excellent. Peanuts 1% poor, 4% fair, 31% good, 64% excellent. Sweet potatoes 100% planted, 100% 1994, 100% avg.; 2% poor, 7% fair, 66% good, 25% excellent. Watermelons 58% harvested, 45% 1994, 38% avg.; 4% poor, 28% fair, 40% good, 28% excellent. Cattle 1% very poor, 5% poor, 22% fair, 58% good, 14% excellent. Field cultivation; controlling insects in cotton. Crops, livestock are suffering from heat stress. Additional rainfall is needed because of the heat, especially crops that are in the fruiting stage. Most rice has had mid-season fertilizer applied. Some farmers have begun irrigating their crops. Cattlemen have been harvesting hay, need rain for additional growth, to keep pastures green.

MISSOURI: Temperatures well above normal across most of State, normal at Caruthersville, to 7° above normal at St. Louis. Precipitation 0.21 in., ranging from 0.06 in. north central, to 0.44 in. northwest.

Days suitable for fieldwork 5.7. Topsoil 18% short, 73% adequate, 9% surplus. Single-crop soybeans planted 99%, 100% 1994, 99% avg. Double-crop soybeans planted 90%, 95% 1994, 88% avg. Wheat harvesting about 85% complete northern third, virtually complete southern third. Oats harvested 50%, 74% 1994, 55% avg. Alfalfa second cutting 48%, 87% 1994, 66% avg. Other hay 76%, 89% 1994, 82% avg.

MONTANA: Precipitation was above normal most areas. Temperatures near to below normal except a few days well above normal northeast.

Days suitable for fieldwork 3.1. Topsoil 2% very short, 11% short, 78% adequate, 9% surplus. Subsoil 1% very short, 15% short, 78% adequate, 6% surplus. Haying still being hampered by wet weather. Winter wheat 41% turning, 78% 1994, 62% avg. Spring wheat 6% turning, 7% 1994, 10% avg. Barley 3% poor, 20% fair, 59% good, 18% excellent; 75% headed, 89% 1994, 83% avg.; 5% turning, 16% 1994, 15% avg. Oats 1% very poor, 4% poor, 31% fair, 57% good, 7% excellent; 75% headed, 85% 1994, 83% avg.; 5% turning, 10% 1994, 12% avg. First cutting alfalfa hay 60%, 91% 1994, 75% avg. First cutting other hay 50%, 78% 1994, 60% avg.

NEBRASKA: Temperatures were 2° above normals in northwest, up to 6 to 9° above normals over the remainder of the State. Scattered precipitation less than 0.20 in. at most locations, 0.57 in. northeast, 0.46 in. southwest

Days suitable for fieldwork 7.0. Topsoil 21% very short, 63% short, 16% adequate. Subsoil 1% very short, 26% short, 73% adequate. Wheat 66% ripe, 99% 1994, 87% avg. Oats 12% harvested, 45% 1994, 30% avg. Corn borer counts remained a concern northeastern part of State. Excessive heat last week took a particularly heavy toll on the soybean crop in the southeast. Late planted dryland row crops reported spotty, uneven stands in many southeastern fields.

NEVADA: Low pressure system originating in Gulf of Alaska brought much below normal temperatures, windy weather through 13th. High winds caused extensive damage Elko area. Local frost in some northern areas, including Winnemucca. High pressure began pushing into State on 13th, mostly clear, dry, warmer weather through weekend. Temperatures below normal in all regions except south. Northwest coolest at 4° below normal. Extremes 28° Wildhorse Reservoir; 117° Laughlin. Precipitation averaged less than 0.10 in. all weather divisions. Flooding occurred along Walker River in Mason Valley, Yerington, affecting some hay, pasture ground.

Small grain harvest complete south. Winter barley harvest complete Winnemucca area. Oat harvest beginning Fallon area. Small grain heading nearly complete north. Some grain acreage damaged by earlier hail Lovelock area, crop condition generally good elsewhere. Alfalfa fourth cutting underway extreme south; second cutting beginning north. Cooler temperatures slowed growth. Other hay harvest gaining momentum. Weeds heavy in other hay due to abnormally wet Spring, fewer in second cutting of alfalfa. Sudan planting underway extreme south. Potato, onion, garlic crops in good condition. Potato digging complete on limited acreage extreme south. Main activities: Haying, irrigating, weed control, insect spraying, working livestock.

NEW ENGLAND: Rainfall none to 0.85 in. north, 0.09 to 1.45 in. south. Temperatures 66 to 75° north, 70 to 77° south. Maxima 87 to 101° north, 88 to 103° south. Minima 42 to 58° north, 49 to 63° south.

Days suitable for fieldwork 6.4. Topsoil 38% very short, 53% short, 9% adequate. Subsoil 38% very short, 55% short, 7% adequate. Maine potatoes fair/good. Rhode Island potatoes excellent/good. CT River Valley potatoes good/fair, <5% harvested, <5% 1994, <5% avg. Maine oats fair/good. Maine barley fair/good. Field corn 100% emerged, good/fair. Sweet corn 100% planted, 99% emerged, good/fair, 5% harvested, 5% 1994. Shade tobacco good, 10% harvested, <5% 1994. Outdoor tobacco good/fair, <5% harvested. First hay crop 95% harvested, 85% 1994, 90% avg., good/excellent. Second cut hay 20% harvested, 20% 1994, 15% avg., good/fair. Apples set avg./above avg., good/fair, size avg., <5% harvested. Peaches set avg., good/fair, size avg., 5% harvested. Pears set avg., size avg., good. Strawberries set avg., good/fair, size avg., 95% harvested, 95% 1994. Cranberries in petal fall stage, set above avg., size avg., excellent/good. Highbush blueberries set avg., good/fair, size avg./below avg., <5% harvested, 15% 1994. Wild blueberries set above avg., excellent, size avg./below avg.. Scattered showers, high temperatures moved through New England last week. Most areas are still well below precipitation normals for this time of year. A long, soaking rain is needed. Major farm activities: Irrigating, fertilizing, cultivating, picking fruits, vegetables, applying herbicides, insecticides.

NEW JERSEY: Temperatures were much above normal. Extremes 52°; 103°. Rainfall 1.29 in. north, 1.08 in. central, 1.45 in. south. Heaviest 24 hour total 2.97 in. on the 16th to 17th. Estimated soil moisture, in percent of field capacity, averaged 76% north, 71% central, 58% south.

Days suitable for fieldwork 6. Topsoil short. Good volume of cabbage, squash, cucumbers, green beans. Limited volume of lettuce, escarole, spinach. Harvest of eggplant, peppers, tomatoes, other summer vegetables increasing. Barley harvesting is virtually complete. Wheat combining is continuing in the State. Soybean double-crop planting is still active. Second hay cutting occurring as weather permits. Blueberry harvest is approaching its peak. Peach harvesting increasing throughout the State.

NEW MEXICO: Temperatures generally near normal, with below normal temperatures over extreme north, above normal eastern plains. Tucumcari was the warmest with 102°. Precipitation widespread, summer monsoon season began near midweek. Greatest precipitation for a 24 hour period was recorded at Tucumcari, 1.02 in. on 16th.

Days suitable for fieldwork 6.6. Soil moisture 15% very short, 69% short, 16% adequate. Alfalfa 1% poor, 22% fair, 63% good, 14% excellent. Wheat 50% very poor, 20% poor, 24% fair, 3% good, 3% excellent. Corn 9% poor, 2% fair, 87% good, 2% excellent. Cotton 10% poor, 44% fair, 46% good; 75% squaring, 78% 1994, 81% avg.; 20% setting bolls, 44% 1994, 37% avg. Sorghum 41% fair, 59% good. Chile 4% very poor, 23% poor, 54% fair, 19% good. Onions 21% poor, 44% fair, 10% good, 25% excellent. Pecans 30% poor, 37% fair, 33% good. Apples 44% poor, 38% fair, 18% good. Cattle 1% very poor, 10% poor, 37% fair, 44% good, 8% excellent. Sheep 1% very poor, 10% poor, 31% fair, 51% good, 7% excellent.

NEW YORK: Continued dry weather. Very hot week, record high temperatures set many locations. Severe thunderstorms late week caused much damage.

Days suitable for fieldwork 7.0. Soil moisture very short most areas. Substantial rainfall needed. Hay condition mostly poor to good. First cutting alfalfa completed. Second cutting underway. Short growth, low quality due to dryness. Wheat harvest started. Potatoes flowering. Lack of rain limited late dry bean planting. Vegetables hurt by storm 15th. Growers assessing damage. Harvest gaining momentum. Strawberry picking drawing to a close. Cherry harvest active. Irrigation continued. Grapes showing disease, insect pressure in the Lake Erie region.

NORTH CAROLINA: State was drier than average. Over much of the State, warm, dry weather allowed farmers to pursue activities that had been delayed due to the rain. Temperature 78°, same as normal. Extremes 55°; 92°. Precipitation 0.35 in., 0.93 in. below normal.

Days suitable for fieldwork 5.4. Soil moisture 8% short, 63% adequate, 29% surplus. Many crops are improving with the warm, dry weather. Peach harvest continues to progress well, although behind the average. Transplanting of sweet potatoes is virtually complete. Sorghum 90% planted, 99% 1994, 98% avg. Soybeans 91% planted, 99% 1994, 99%. Oats 73% harvested, 99% 1994, 98% avg. Barley 80% harvested, 100% 1994, 98% avg. Rye 73% harvested, 99% 1994, 99% avg. Irish potatoes 77% harvested, 92% 1994, 83% avg. Peaches 40% harvested, 71% 1994, 63% avg. Corn 58% in dough, 54% 1994, 49% avg.; 10% dented, 0% 1994, 4% avg. Tobacco 60% topped, 61% 1994, 64% avg. Crop conditions continue to remain mostly fair to good. Wheat 14% very poor, 25% poor, 50% fair, 11% good; Irish potatoes 5% very poor, 11% poor, 21% fair, 63% good; apples 3% fair, 95% good, 2% excellent; peaches 4% poor, 8% fair, 64% good, 24% excellent; truck crops 18% very poor, 26% poor, 39% fair, 16% good, 1% excellent; peanuts 59% fair, 41% good; sweet potatoes 5% very poor, 20% poor, 31% fair, 43% good, 1% excellent; hay 2% poor, 19% fair, 68% good, 11% excellent; tobacco in fields 4% very poor, 19% poor, 33% fair, 38% good, 6% excellent; hay, roughage supplies 9% short, 83% adequate, 8% surplus. Activities: Planting soybeans, sorghum; harvesting flue cured tobacco, small grains, vegetables; topping tobacco; spraying, cultivating crops; cutting hay; tending livestock; repairing equipment, general farm maintenance.

NORTH DAKOTA: Warm temperatures caused numerous thunderstorms, many with heavy rains, strong winds. Temperatures 4° above normal west central to 6° above normal northeast, north central. Extremes 47° west central; 98° south central. Precipitation 0.98 in. northwest to 1.87 in. south central.

Days suitable for fieldwork 4. Soil moisture supplies above average. Topsoil 5% short, 77% adequate, 18% surplus. Subsoil 4% short, 77% adequate, 19% surplus. Small grain development advanced to the milking stage, well behind average. Durum wheat 5% milk and beyond; 24% 1994; 35% avg.; barley 18% milk and beyond; 56% 1994; 65% avg.; oats 11% milk and beyond; 46% 1994; 55% avg. Late season crop

development continued behind average. Flaxseed 20% blooming and beyond; 41% 1994; 45% avg.; dry edible beans 17% blooming and beyond; 54% 1994; 39% avg.; soybeans 11% blooming and beyond; 55% 1994; 43% avg.; potatoes 47% blooming and beyond; 76% 1994; 70% avg. Average height of crops: flaxseed 11 in.; corn 38 in.; dry edible beans 13 in.; soybeans 13 in.; sunflower 29 in.; potatoes 20 in.; sugarbeets 19 in. Small grain condition fell slightly, late season crops improved. Hard red spring wheat 1% very poor 7% poor, 24% fair, 62% good, 6% excellent.

OHIO: Record breaking heat wave engulfed State. Toledo hottest reading, 104° on 14th. Effects of heat compounded by tropical moisture, effective temperatures ranging between 105 to 120°. Temperatures varied mid 70s near lake to lower 80s. Some 5 to 8° above normal south, rising to 6 to 10° above normal north. Daytime highs varied from 90 to 95° with mean lows between the mid 60s to around 70°. Scattered thunderstorms every day, a few areas noted more than 1.00 in., most left with less than 1.00 in. Driest pockets included much of southern third of State, northwest corner where less than 0.25 in. was common.

Days suitable for fieldwork 6.7. Soil moisture 5% very short, 35% short, 57% adequate, 3% surplus. Oats ripe 95%, 100% 1994, 82% average. Extreme heat caused fields to dry quickly. Soybean maturation slightly below average. Japanese beetle an economic threat in many locations. Combining of wheat running a week ahead of normal. Extreme heat, disease speeding development. Wheat ripe 100%. Alfalfa hay second cutting 47%, 64% 1994, 53% avg. Other hay second cutting 29%, 28% 1994, 27% avg. Quality of hays very much improved due to dry weather. Growth of alfalfa good due to adequate subsoil moisture. Extreme heat caused livestock stress.

OKLAHOMA: Temperatures 1.8° above normal southeast district to 6.0° above normal northeast district. Precipitation none central, south central, northeast, southeast to 1.09 in. north central.

Days suitable for fieldwork 6.7. Topsoil 9% very short, 53% short, 38% adequate. Subsoil 2% very short, 31% short, 67% adequate. Wheat 74% plowed, 90% 1994, 74% avg.; 3% seedbed prepared, 5% 1994, 2% avg. Oats 92% harvested, 100% 1994, 94% avg.; 56% plowed, 85% 1994, 73% avg. Barley 90% harvested, 100% 1994, 98% avg.; 36% plowed, 85% 1994, 62% avg. Corn 29% tasseling, 98% 1994, 75% avg.; 14% milk-to-soft, 30% 1994, 19% avg.; 0% mature, 1% 1994, 1% avg. Sorghum 87% up-to-stand, 99% 1994, 97% avg. Soybeans 84% up-to-stand, 95% 1994, 81% avg.; 36% flowering, 30% 1994, 15% avg.; 16% setting pods, 8% 1994, 3% avg. Peanuts 43% pegging, 43% 1994, 43% avg.; 3% setting pods, 8% 1994, 9% avg. Alfalfa 1% poor, 32% fair, 64% good, 3% excellent; 37% 3rd cutting, 55% 1994, 38% avg.; 2% 4th cutting, 3% 1994, 1% avg. Livestock 16% fair, 78% good, 6% excellent. Prices for feeder steers, heifers steady to $1.00/cwt higher.

OREGON: Temperatures northwest slightly above normal, else 4° below normal. Precipitation: heavy statewide. Dry latter part of week.

Days suitable for fieldwork 5.5. Topsoil 10% short, 88% adequate, 2% surplus. Subsoil 5% short, 94% adequate, 1% surplus. All barley harvested 3%. Many acres of wheat destroyed by hailstorms northeast, Mid-Columbia regions. Small grain crops turning quickly, statewide. Haying continued, statewide. Willamette Valley: grass seed crop in windrows or being harvested, vegetable crops developing rapidly, snap bean harvest underway, second crop cabbage ready, raspberry harvest entering the final stages, Marion blackberry, boysenberry harvest at peak, blueberry harvest continued, hazelnuts sizing well, tart cherry harvest continued. South coast: cranberry bloom finished, monitoring fruit set, size, watching for signs of root weevils, fireworm, twig blight. Hood River Valley: cherry harvest winding down in upper valley, salvage stage at lower elevations, apples, pears progressing well. Willamette Valley nursery industry nursery crops growing well, fertilizing, irrigating when necessary, normal summer maintenance activities continued, Christmas tree shearing underway. Livestock good to excellent. Summer rains provided good summer grazing. No stock water shortages.

PENNSYLVANIA: Hottest week of the season. Over 90s to 100s rule end of week. Temperature 80°, 11° above normal. Extremes 44°; 103°. Precipitation 0.75 in., 0.13 in. below normal.

Days suitable for fieldwork 5.5. Soil moisture 10% very short, 25% short, 57% adequate, 8% surplus. Corn height 45 in., 48 in. 1994, 42 in. avg. Soybeans planted 98% complete, 100% 1994, 99% avg. Soybean 3% poor, 21% fair, 61% good, 15% excellent. Barley 98% turning yellow, 98% 1994, 95% avg.; 89% ripe, 90% 1994, 83% avg.; 70% harvested, 78% 1994, 67% avg. Winter wheat 97% turning yellow, 95% 1994, 93% avg.; 80% ripe, 79% 1994, 72% avg.; 40% harvested, 48% 1994, 37% avg. Wheat 2% poor, 20% fair, 64% good, 14% excellent. Oats 88% heading or headed, 92% 1994, 52% turning yellow, 59% 1994, 61% avg.; 9% ripe, 17% 1994, 19% avg.; 1% harvested, 3% 1994, 6% avg. Oat 2% poor, 18% fair, 66% good, 14% excellent. Alfalfa 1st cutting 95% complete, 98% 1994, 98% avg. Alfalfa 2nd cutting 35% complete, 54% 1994, 48% avg. Timothy clover 1st cutting 81% complete, 89% 1994, 93% avg. Timothy clover 2nd cutting 6% complete, 15% 1994, 6% avg. Quality of hay made 2% very poor, 14% poor, 25% fair, 44% good, 15% excellent. Activities: harvesting wheat, barley, oats; baling straw; spraying corn, soybeans; making hay; cutting haylage; filling silos; fixing fences; machinery maintenance; hauling manure; caring for livestock.

PUERTO RICO: No weather data available.

SOUTH CAROLINA: Temperatures 4° above normal; extremes 101°, 62°. Rainfall 0.40 in.

Days suitable for fieldwork 6.1. Soil moisture 1% very short, 36% short, 58% adequate, 5% surplus. Barley 92% harvested, 98% 1994, 96% avg.; 47% poor, 52% fair, 1% good. Corn 99% silked, 100% 1994, 97% avg.; 72% doughed, 84% 1994, 76% avg.; 25% matured, 35% 1994, 26% avg.; 27% fair, 68% good, 5% excellent. Oats 100% harvested 100% 1994, 98% avg.; 3% very poor, 15% poor, 81% fair,1% good. Rye 98% harvested, 100% 1994, 98% avg.; condition 9% very poor, 4% poor, 84% fair, 3% good. Sorghum 88% planted, 92% 1994, 88% avg.; 4% harvested, 1% 1994, 0% avg.; 79% fair, 17% good 4% excellent. Sweet potatoes 95% planted, 100% 1994, 96% avg.; 29% fair, 49% good, 22% excellent. Tobacco 86% topped, 94% 1994, 90% avg.; 22% harvested, 28% 1994, 22% avg.; 16% fair, 84% good. Peaches 46% harvested, 57% 1994, 54% avg.; 42% fair, 58% good. Watermelons 81% harvested, 72% 1994, 74% avg.; 32% poor, 50% fair, 18% good. Cantaloupes 80% harvested, 68% 1994, 71% avg.; 53% poor, 27% fair, 20% good.

SOUTH DAKOTA: Temperatures generally 2 to 6° above normal. Extremes 51°; 109°. Rainfall varied across the State with rainfall reported at most stations. In the west, north most locations reported 1.00 to 1.50 in. Southern part of State reported 0.50 in. or less. Heaviest precipitation 2.69 in. at Oelrichs, 2.65 in. at Flandreau.

Days suitable for fieldwork 5.8. Topsoil 2% very short, 27% short, 63% adequate, 8% surplus. Subsoil 4% short, 73% adequate, 23% surplus. Winter wheat 96% turning color, 100% 1994, 95% avg.; 29% ripe, 85% 1994, 60% avg.; 5% swathed, 14% 1994, 19% avg. Winter wheat 5% poor, 25% fair, 58% good, 12% excellent. Winter rye 98% turning color, 98% 1994, 90% avg.; 34% ripe, 58% 1994, 47% avg.; 2% swathed, 14% 1994, 22% avg.; 1% harvested, 7% 1994, 9% avg. Winter rye 38% fair, 48% good, 14% excellent. Barley 95% boot, 100% 1994, 100% avg.; 83% headed, 100% 1994, 100% avg.; 26% turning color, 70% 1994, 66% avg. Barley 3% poor, 23% fair, 62% good, 12% excellent. Oats 93% boot, 100% 1994, 100% avg.; 82% headed, 100% 1994, 99% avg.; 23% turning color, 63% 1994, 64% avg. Oats 2% very poor, 3% poor, 38% fair, 50% good, 7% excellent. Spring wheat 95% boot, 100% 1994, 100% avg.; 30% turning color, 56% 1994, 55% avg. Flax 32% blooming, 51% 1994, 50% avg. Flax 12% fair, 85% good, 3% excellent. Corn tasseled, 0%, 32% 1994, 18% avg.; height 33 in., 54 in. 1994, 42 in. avg.; 97% cultivated once, 100% 1994, 93% avg.; 51% cultivated twice, 88% 1994, 72% avg. Sunflowers 1% blooming, 3% 1994, 4% avg.; 7% poor, 21% fair, 56% good, 16% excellent. Extreme heat hastened small grain maturity, depleted topsoil moisture across State. Corn height 33 in., up 12 in. from previous week, well behind 42 in. avg. First cutting alfalfa 95% harvested, 100% 1994, 93% avg.; second

cutting 12% complete, 33% 1994, 21% avg. Other hay 50% harvested, 52% 1994, 47% avg. Livestock 7% fair, 75% good, 18% excellent. Stockwater supplies 1% short, 73% adequate, 26% surplus.

TENNESSEE: Temperatures 5° above normal middle, west, 3° above normal east, near normal Plateau. Extremes 56°; 99°.

Days suitable for fieldwork 6.0. Topsoil 9% very short, 34% short, 55% adequate, 2% surplus. Subsoil 4% very short, 30% short, 64% adequate, 2% surplus. Corn 2% poor, 11% fair, 51% good, 36% excellent; 92% tasseling, 76% 1994, 71% avg.; 33% dough, 18% 1994, 16% avg.; 4% dent, 4% 1994, 3% avg. Cotton 15% fair, 63% good, 22% excellent; 98% squaring, 99% 1994, 89% avg.; 37% setting bolls, 34%, 1994, 23% avg. Sorghum 9% fair, 61% good, 30% excellent; 30% headed 17% 1994, 21% avg. Tobacco 3% very poor, 13% poor, 39% fair, 41% good, 4% excellent; 15% topped, 12% 1994, 11% avg. Soybeans 2% poor, 20% fair, 52% good, 26% excellent; 17% blooming, 13% 1994, 12% avg. Alfalfa 4% poor, 17% fair, 68% good, 11% excellent; 93% 2nd cutting, 93% 1994, 92% avg. Other hay 6% poor, 30% fair, 54% good, 10% excellent.

TEXAS: Week started hot, dry. However, at midweek an easterly wave triggered scattered thunderstorms along coast. Shower activity moved into southeast, south central districts late week as moisture crept inland. Late weekend, thunderstorms broke out over west as cool front drifted into region. Temperatures ran close to normal. Rainfall totals below normal over most State with near normal amounts on Low Plains, southern, east, Lower Valley.

Crops: Small grains: Harvest moved ahead without much delay in High Plains, winding down in many fields. Yields continued vary widely. Corn: Fields in High Plains continued show good progress under steady irrigation. Fields in Blacklands were maturing rapidly under hot, dry conditions. Harvest winding down in Valley while increasing in Coastal Bend, along Upper Coast. Corn 59% dough, 58% 1994, 57% avg.; 50% dented, 49% 1994, 43% avg.; 21% mature, 22% 1994, 19 avg.; 3% harvested; 5% 1994; 5% avg. Cotton: Some fields in Plains beginning show signs of stress from hot, dry conditions; however, overall progress was good during week. Bolls were opening Central, where some irrigating occurred. Defoliation activity increased during week in Valley. Cotton 8% bolls opening, 7% 1994, 4% avg. Grain sorghum: Fields matured rapidly under hot conditions last week. Fields in Plains could use rain. Harvest beginning scattered fields Central. Harvest winding down Valley. Harvest also made good progress in Coastal Bend. Sorghum 65% turning color, 57% 1994, 52% avg.; 51% mature, 41% 1994, 31% avg.; 32% harvested, 26% 1994, 15% avg. Rice: Producers continued flood most fields along Upper Coast. Peanuts: Most areas reported good progress during week. Both stands, growth good. Some irrigation activity occurred with dry conditions. Statewide condition was rated at 83% of normal compared with 83% 1994.; 97% planted, 100% 1994, 95% avg. Soybeans: Harvest of early beans underway in Northern Blacklands. Fields continued show good progress along the Upper Coast. Soybeans 100% planted, 100% 1994, 98% avg. Oats 80% harvested, 88% 1994, 86% avg. Sunflowers 94% planted, 99% 1994, 96% avg.

Commercial Vegetables: Rio Grande Valley: Irrigation activity active. The citrus leaf minor continued cause problems on new growth. San Antonio- Winter Garden: Harvest watermelons, cantaloupes was winding down. East Texas: Good production on all vegetables reported for the week. Trans Pecos: Cantaloupe harvest increasing in Pecos area, was beginning wind down in Presidio area. High Plains: Onion, cabbage harvest beginning as potato harvest continued. Pecans: Hot, dry conditions have caused some stress to trees, nuts in parts of State. Water will be critical as summer progresses. Some drop occurred from dry conditions; however, overall crop continued to look good. Insect activity has been limited. Peaches: Harvest of late varieties increasing with good demand, quality.

Range and Livestock: Ranges, pastures continued dry down under hot Texas sun. Haying operations slowing down. Livestock remained good condition for this time of year. Producers limited their operations because of heat in some areas.

UTAH: Temperature maxima averaged normal; minima averaged 1° above normal. Precipitation light to moderate throughout the State with the exception of Dixie division which received no measurable precipitation again this week.

Days suitable for fieldwork 6.7. Topsoil 27% short, 69% adequate, 4% surplus. Subsoil 23% short, 75% adequate, 2% surplus. Irrigation water supply 2% short, 86% adequate, 12% surplus. Stock water supply 8% short, 90% adequate, 2% surplus. Spring wheat heading or better 91%. Barley heading or better 87%. Oats heading or better 67%, 87% 1994, 80% avg.; harvested for hay/silage 30%, 67% 1994. Corn 21 in., 46 in. 1994, 40 in. avg. Alfalfa hay 2nd cutting 13%, 43% 1994, 37% avg. Other hay cutting 49%, 64% 1994, 58% avg. Sweet cherries picked 53% complete. Major farm, ranch activities were haying, cultivating, irrigating, spraying fruit trees, picking sweet cherries. Small grain harvest is expected to begin this week.

VIRGINIA: Temperatures near to slightly above normal. Extremes 50°; 98°. Precipitation was near normal.

Days suitable for fieldwork 5.5. Topsoil 3% very short, 18% short, 60% adequate, 19% surplus. Subsoil 2% very short, 10% short, 72% adequate, 16% surplus. Other hay 1% poor, 26% fair, 62% good, 11% excellent. Alfalfa hay 1% poor, 26% fair, 62% good, 11% excellent. Apple 14% poor, 1% fair, 66% good, 19% excellent. Peach 16% poor, 11% fair, 72% good, 1% excellent. Barley harvested 96%, 88% 1994, 98% avg. Wheat harvested 85%, 64% 1994, 84% avg. Oats harvested 65%, 92% 1994, 84% avg. Corn silked 47%, 40% 1994, 28% avg.; dough 8%, 9% 1994, 6% avg.; 1% very poor, 2% poor, 9% fair, 68% good, 20% excellent. Soybean 7% poor, 27% fair, 53% good, 13% excellent; planted 95%, 99% 1994, 93% avg. Peanut 6% fair, 83% good, 11% excellent. Cotton 7% poor, 18% fair, 70% good, 5% excellent. Flue tobacco 5% poor, 34% fair, 29% good, 32% excellent. Dark fired tobacco 2% poor, 24% fair, 38% good, 36% excellent. Burley tobacco 24% poor, 61% fair, 15% good. Sun tobacco 7% fair, 82% good, 11% excellent. Summer potato harvested 36%, 44% 1994, 57% avg. Wheat harvest, second cuttings of hay, and soybean planting. Some small grain conditions starting to deteriorate due to high moisture levels. Topping, suckering tobacco, spraying for tobacco budworms. Blue mold continuing to spread in southwestern counties. Picking peaches, vegetables, melons. Spraying peanuts for leaf spot disease, applying growth regulators to cotton.

WASHINGTON: Temperatures 3° below to 2° above normal west; 8° below to normal east. Precipitation 0.21 to 1.34 in. west; 0.08 to 1.07 in. east. Week began with cool, wet weather while warm, dry weather prevailed toward the end of the week.

Days suitable for fieldwork 6.8. Topsoil 2% very short, 21% short, 77% adequate; subsoil 11% short, 89% adequate. Irrigation water supply 100% adequate. Hail, wind, floods parts of eastern Washington damaged both crops, structures providing both partial, total loss some fields such as lentils, peas, grass seed, cereal crops. Winter wheat, barley harvests were underway in some areas, will begin in others within a few weeks. As harvest began, some early potatoes were being defoliated. Thunderstorms and hail damaged some apple orchards. Some fireblight reported in susceptible apple varieties. Cherry harvest continued with low yields, high cullage reported. Black currants ripened. Apricots, early peaches, raspberries, blueberries, Walla Walla sweet onions, mint were being harvested. Sweet corn, cauliflower harvests began. Cutting of oat hay began. Timothy hay harvest continued to bring high yields. Winter wheat, dryland 1% very poor, 5% poor, 39% fair, 50% good, 5% excellent; irrigated, 1% fair, 90% good, 9% excellent. Spring wheat dryland 16% poor, 21% fair, 49% good, 14% excellent; irrigated, 1% fair, 94% good, 5% excellent. Barley dryland 15% poor, 24% fair, 47% good, 14% excellent; irrigated, 90% good, 10% excellent. Potatoes 4% fair, 96% good. Corn 2% fair, 98% good. Hay other roughage supplies 1% very short, 1% short, 80% adequate, 18% surplus. Winter wheat 1% harvested, 6% 1994, 6% avg. Spring wheat 100% headed, 100% 1994, 99% avg. Spring wheat 0% harvested, 2% 1994, 2% avg. Barley 100% headed, 100% 1994, 99% avg. Barley 0% harvested, 5% 1994, 5% avg. Alfalfa 1st cutting, 99% harvested, 100% 1994, 99% avg. Alfalfa 2nd cutting, 57% harvested, 64% 1994, 53% avg.

WEST VIRGINIA: Temperature 76°. Extremes 49°; 100°. Precipitation 0.31 in. Temperatures 4° above normal southwest to 5° above normal elsewhere. Precipitation 0.05 in. above normal northeast to 1.06 in. below normal southwest. The greatest weekly total precipitation was 1.87 in. reported at Martinsburg. Seasonal precipitation averages ran from 0.96 in. below normal central to 2.87 in. above normal south.

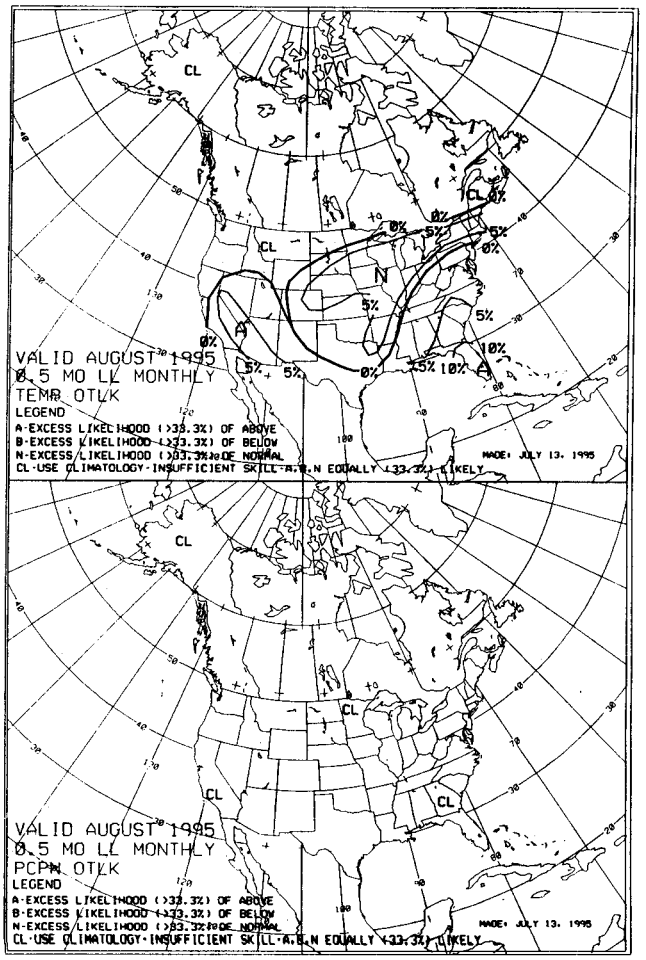
Days suitable for fieldwork 5.9. Topsoil 12% very short, 29% short, 59% adequate. Barley 98% ripe, 100% 1994, 99% avg.; 83% harvested, 100% 1994, 98% avg. Wheat 43% fair, 50% good, 7% excellent; 91% headed, 100% 1994, 100% avg.; 74% ripe, 99% 1994, 97% avg.; 11% harvested, 68% 1994, 58% avg. Hay 3% poor, 30% fair, 59% good, 8% excellent; first cutting 86%, 95% 1994, 92% avg.; second cutting 15%, 15% 1994, 22% avg. Corn 1% poor, 8% fair, 75% good, 16% excellent; 11% silked, 8% 1994; 2% dough. Oats 13% fair, 87% good; 47% ripe, 78% 1994; 22% harvested. Soybeans 1% poor, 17% fair, 71% good, 11% excellent; 95% emerged, 100% 1994; 8% blooming, 34% 1994; 2% setting pods. Tobacco 51% fair, 49% good; 2% topped. Apples 100% good. Peaches 100% good. Cattle 2% poor, 15% fair, 76% good, 7% excellent. Sheep 17% fair, 79% good, 4% excellent. Activities: Cutting hay, clipping pastures, deworming of cattle, repairing fence, equipment, harvesting of peaches.

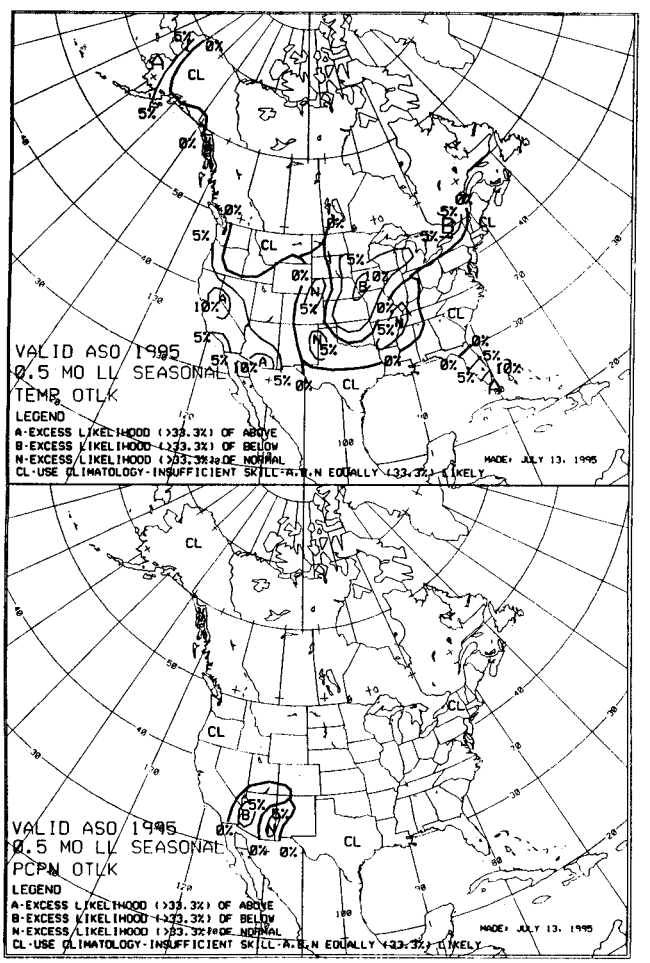
WISCONSIN: Temperature 78°, 8° above normal. Extremes 47°; 110°. Precipitation 0.50 to 2.40 in.

Days suitable for fieldwork 6.1. Soil 63% short, 37% adequate. General condition of crops 4% poor, 26% fair, 60% good, 10% excellent. Oats 9% poor, 38% fair, 47% good, 6% excellent. Oats headed 96%, 94% 1994, 88% avg. Winter wheat harvested 2%, 6% 1994, 8% avg. Corn height 54 in., 65 in. 1994, 47 in. avg.; silked 3%, 11% 1994, 10% avg. Second hay harvest 25%, 24% 1994, 23% avg. Soybean 5% poor, 23% fair, 62% good, 10% excellent. Excessive heat kept many farmers out of fields during afternoon hours. Livestock have been lost to excessive heat. Corn weathered heat pretty well most parts of State. Corn in northern part of State had seen more rainfall, was in good shape. Central areas reported higher levels of heat stress especially on sandy soils. In south, most corn looks to be handling heat. Soybeans are beginning to blossom. Reporters noted heat, dryness have held back soybean growth. Winter wheat harvest has begun with reports of good yields but low test weights. Apples are showing a potential for an excellent crop.

WYOMING: Temperatures 1 to 6° above normal across most of the State. Extremes 36° Moran; 102° Torrington. Precipitation 0.10 to 0.60 in. above normal in northwestern, few southeastern parts of State. Rest of the State averaged 0.10 to 0.50 in. below normal. Jackson had the greatest amount with 0.83 in.

Days suitable for fieldwork 6.5 days. Topsoil moisture 82% adequate or better. Subsoil 99% adequate or better. Winter wheat 70% turning color, 100% 1994, 81% avg.; 2% mature, 88% 1994, 40% avg. Spring wheat 55% headed, 98% 1994, 88% avg.; 4% turning color, 69% 1994, 39% avg. Oats 48% headed, 90% 1994, 82% avg.; 8% turning color, 42% 1994, 24% avg. Barley 36% turning color, 59% 1994, 47% avg.; 1% mature, 15% 1994, 12% avg. Potatoes 25% in bloom, 85% 1994, 56% avg. Dry beans in bloom 5%, 65% 1994, 30% avg. Corn avg. height 28 in. Alfalfa 75% 1st cutting, 95% 1994, 81% avg. Alfalfa weevil infestation. Other hay 33% acreage harvested, 54% 1994, 41% avg. Irrigation water supplies 97% adequate or better.





A complete set of long-lead products, extending out to August-September-October 1996, is available via the Internet: **http://nic.fb4.noaa.gov/products/predictions/index.html**

International Weather and Crop Summary

July 9 - 15, 1995

HIGHLIGHTS

FSU-WESTERN: Although dry weather over Russia and Ukraine favored winter grain harvesting, rain was needed for summer crop development.

FSU-NEW LANDS: Hot, dry weather stressed spring grains in the west, while scattered light to moderate showers favored crops in central and eastern areas.

EUROPE: Widespread showers moistened European crop areas again, while unseasonable warmth promoted winter grain maturity.

SOUTH ASIA: Showers improved oilseed, cotton, and grain prospects in central and eastern India.

CANADA: Grains and oilseeds in the Prairies and eastern Canada need rain and milder weather soon to prevent declines in yield potential.

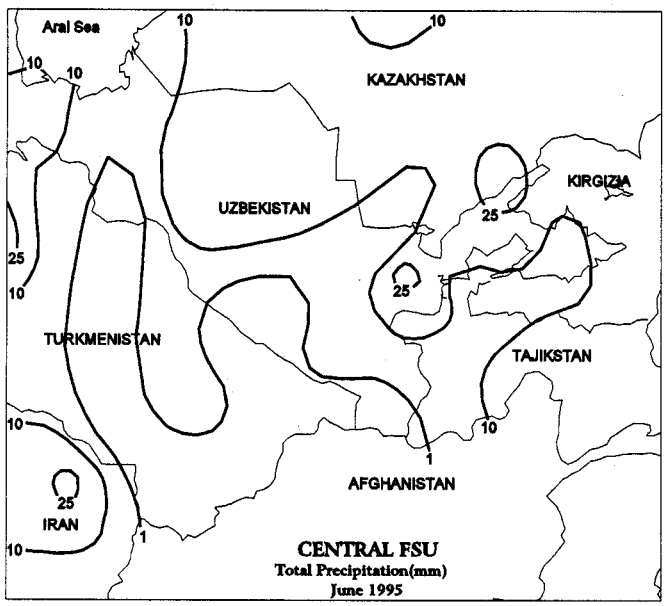
AUSTRALIA: Soaking rain in western and southeastern winter grain areas maintained favorable crop prospects.

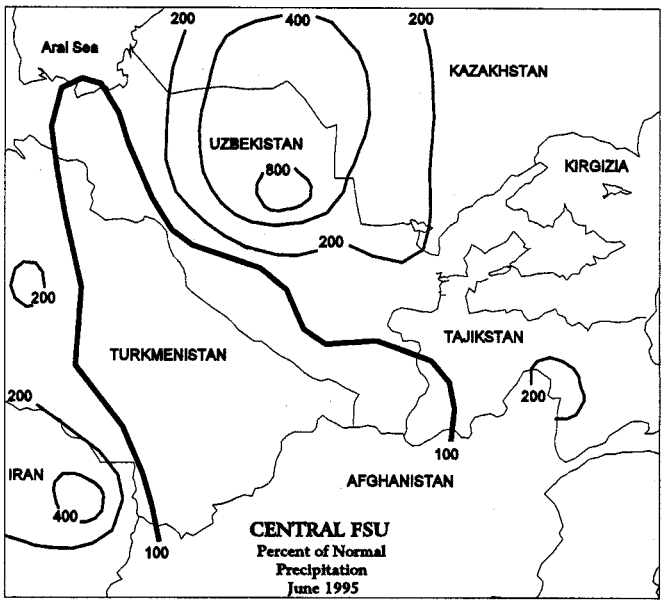
EASTERN ASIA: Widespread showers brought relief to the North China Plain and northwestern crop areas, while drier weather along the Yangtze Valley helped to ease flooding.

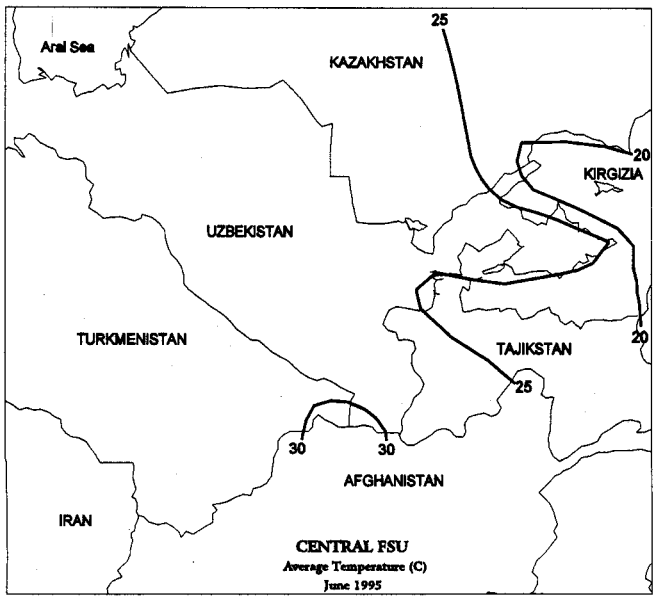
SOUTHEAST ASIA: Widespread showers continued to benefit crops across Thailand, Vietnam, and the Philippines.

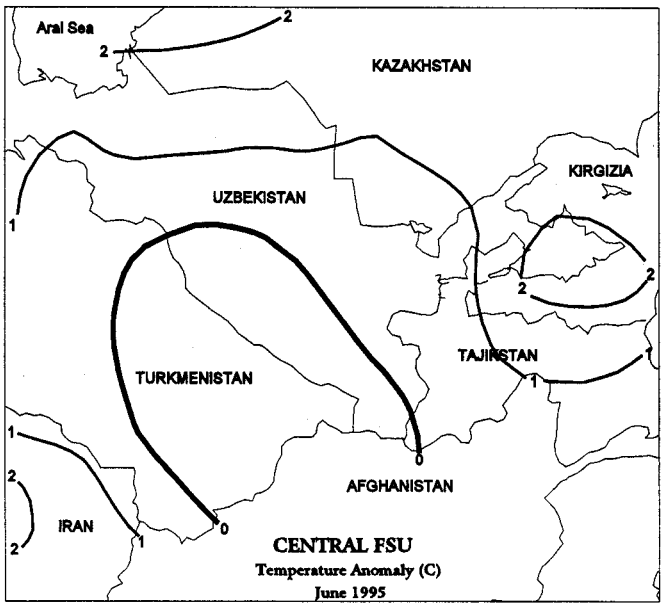
SOUTH AMERICA: Rain brought some relief to vegetative winter wheat in Argentina, but more rain is needed. Widespread rain continued to benefit vegetative winter wheat across southern Brazil.

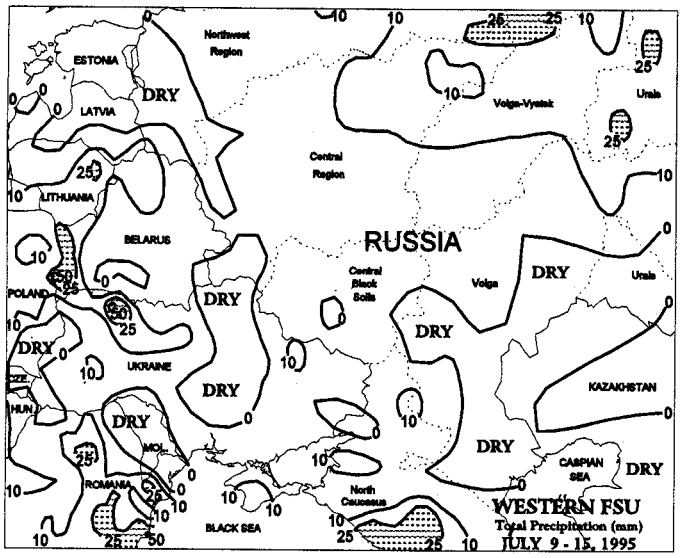
MEXICO: Seasonal showers benefited vegetative corn across the south, while light rain brought some drought relief to the north.





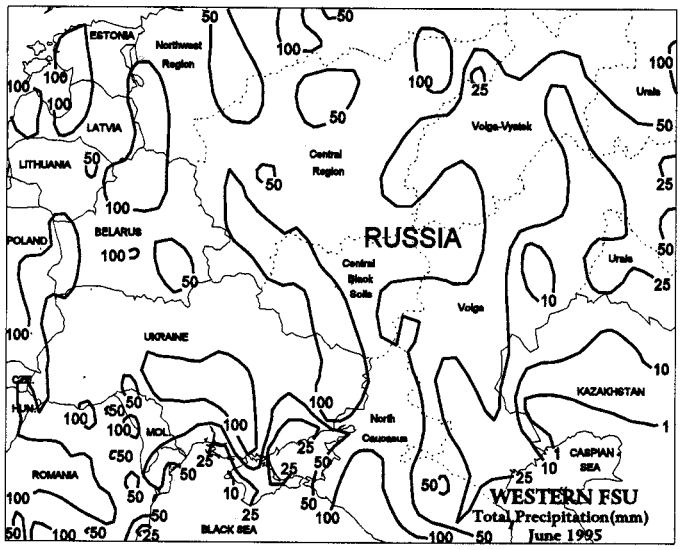


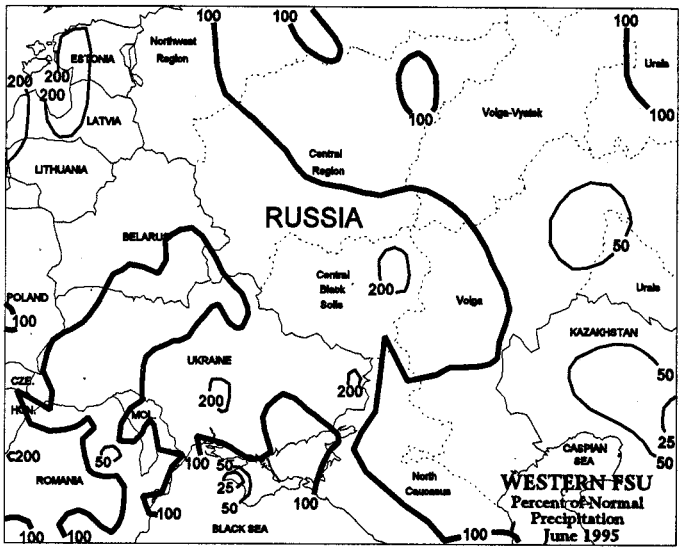


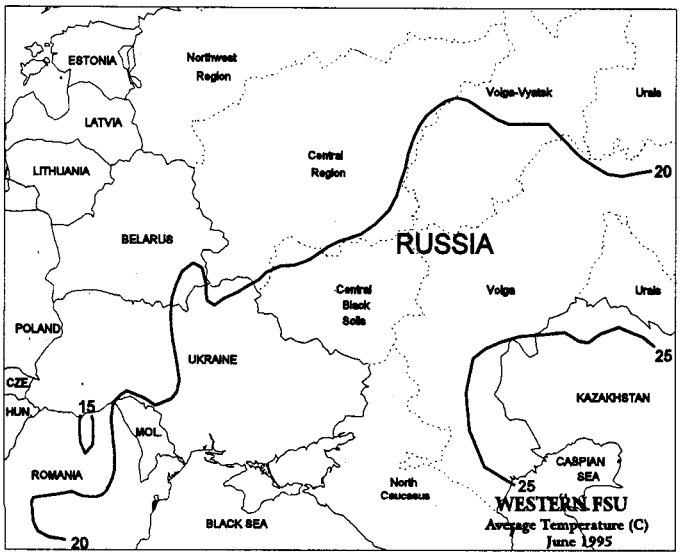


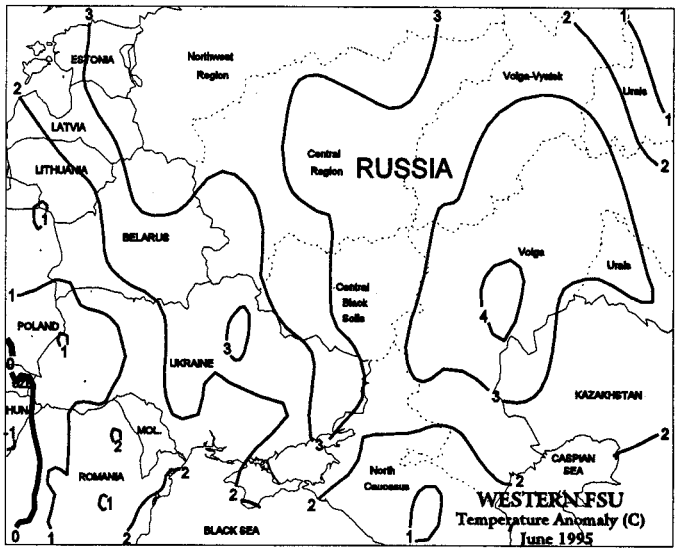
FSU-WESTERN

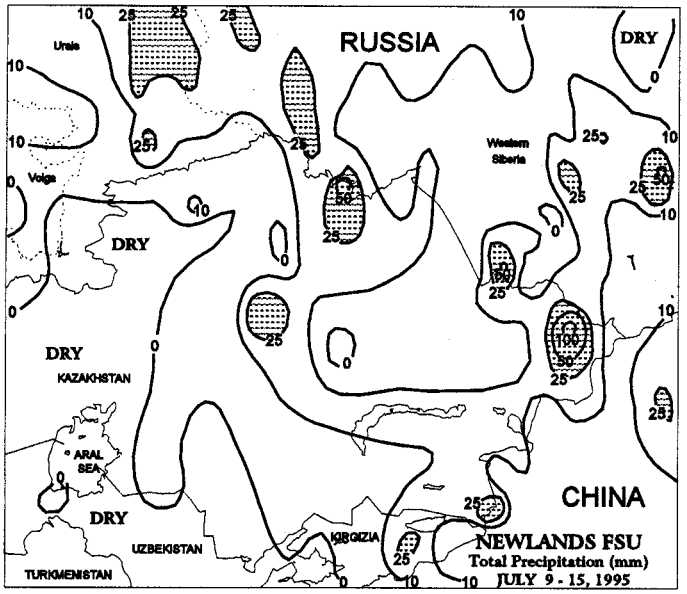
Mostly dry weather covered Russia and Ukraine, favoring rapid winter grain harvesting. Rain is needed for summer crop development, especially in chronically dry areas of Volga Valley, Russia and southern Ukraine. Weekly average temperatures were 1-3 degrees Celsius (C) above normal in Ukraine and southern Russia, with highest temperatures ranging from 33 to 35 degrees C. In June, drought adversely affected winter and spring grains in the northern tip of North Caucasus, Volga Valley, central Black Soils Region, the eastern portion of Central Region, and the Volga Vyatsk. The drought was accompanied by persistent heat, accelerating crop development. The hottest weather occurred from June 10 through 19, when spring grains (spring barley and oats) were advancing through critical growth stages. On June 20, a cooling trend began over Russia and was accompanied by light to moderate showers. Greatest amounts of rain fell over central Black Soils Region and North Caucasus. The rain helped to stabilize conditions for spring grains but arrived too late to improve prospects for maturing winter grains.





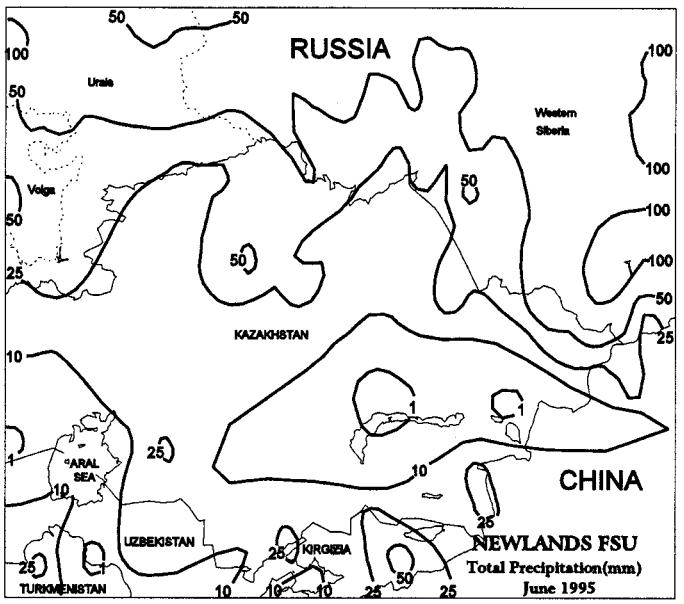


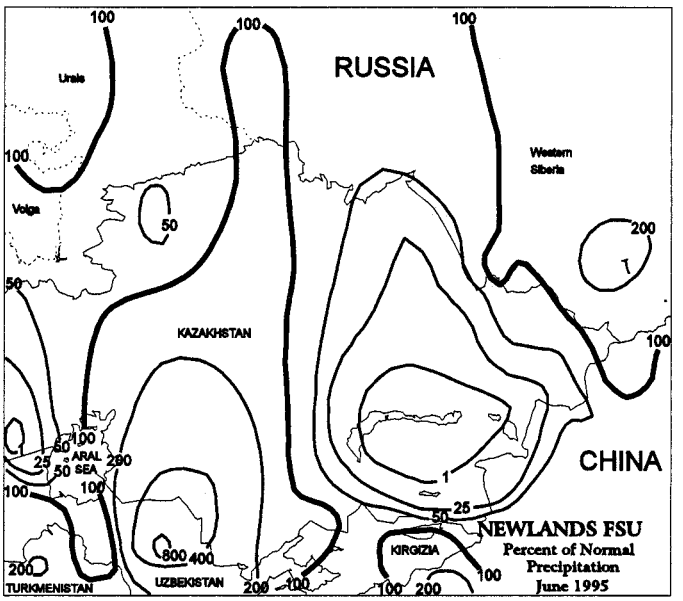


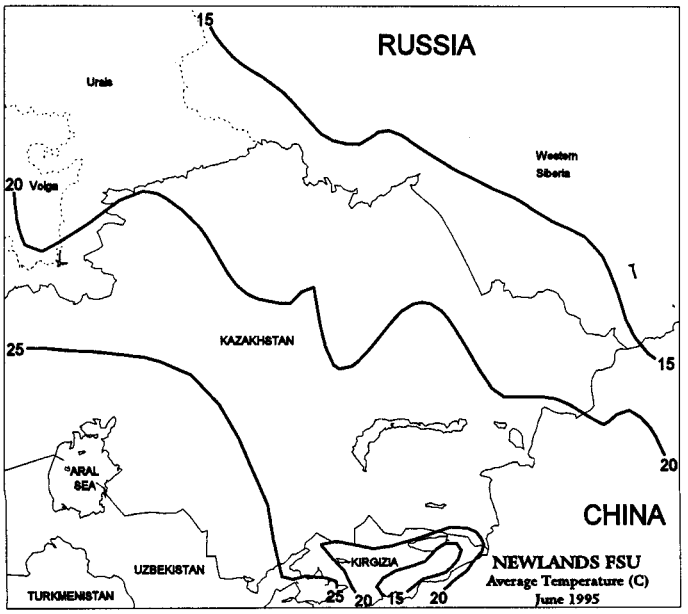


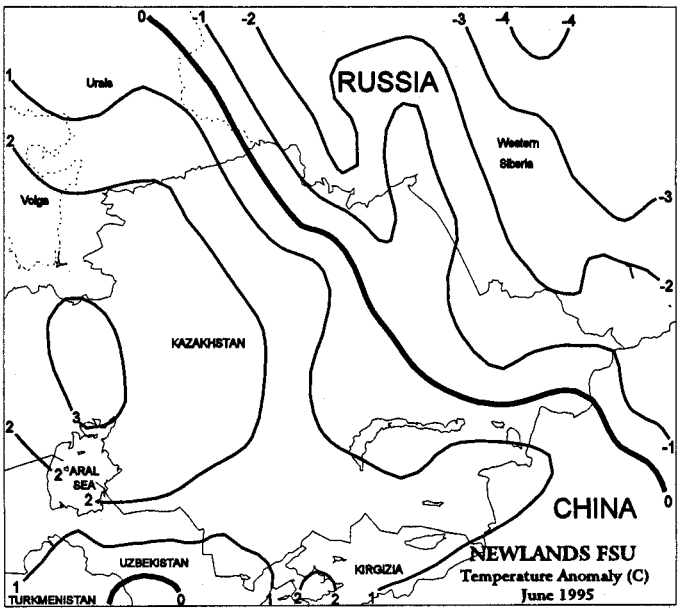
FSU-NEW LANDS

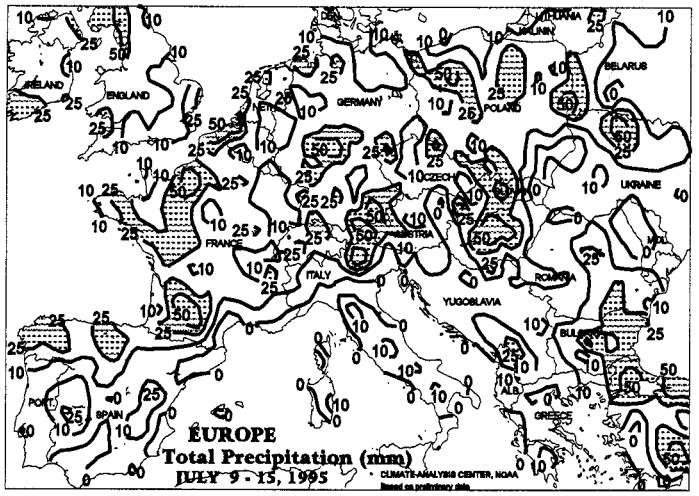
Unfavorably hot, dry weather continued over the southern Urals and adjacent areas in Kazakhstan, stressing spring grains advancing through reproduction. Elsewhere, scattered showers (5-25 mm, with local amounts in excess of 25 mm) over Western Siberia, Russia and central and eastern Kazakhstan favored spring grains in or nearing reproduction. In June, hot, dry weather worsened conditions for spring grain development, especially in the Urals. In Western Siberia, Russia, below-normal precipitation covered western areas, while much above-normal precipitation provided abundant moisture for spring grain development in the east. In Kazakhstan, below-normal precipitation in June was accompanied by above-normal temperatures, stressing spring grains in the vegetative stage.





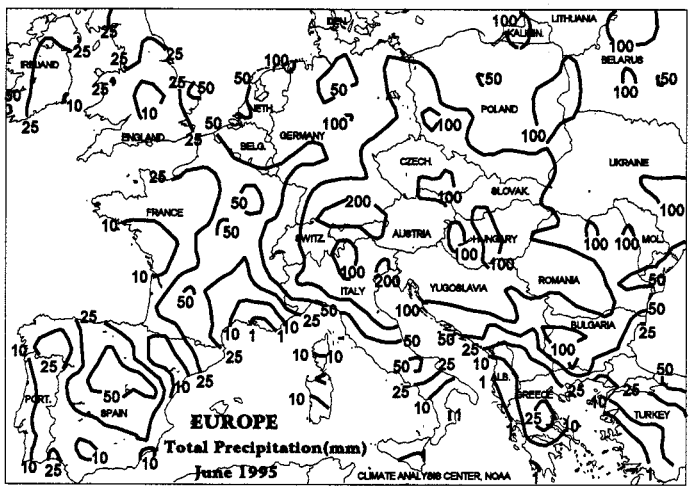


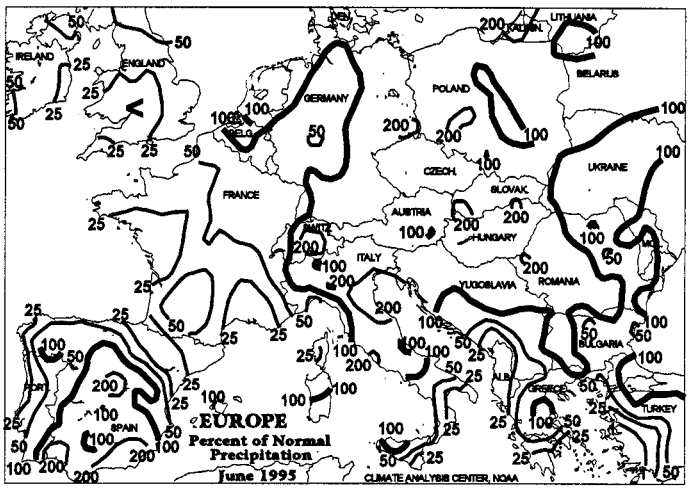


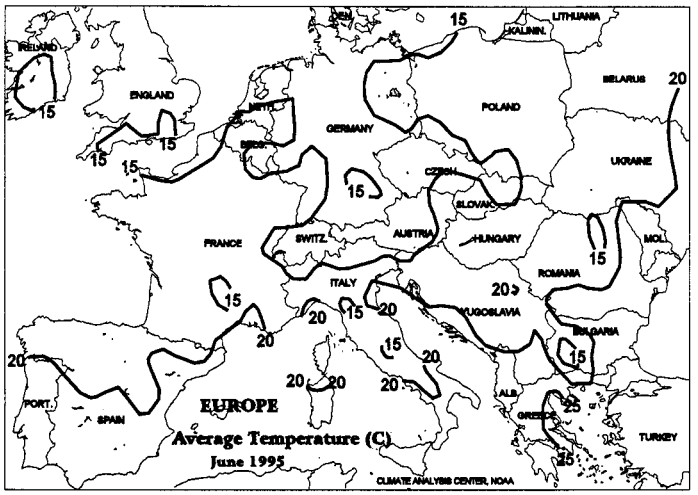


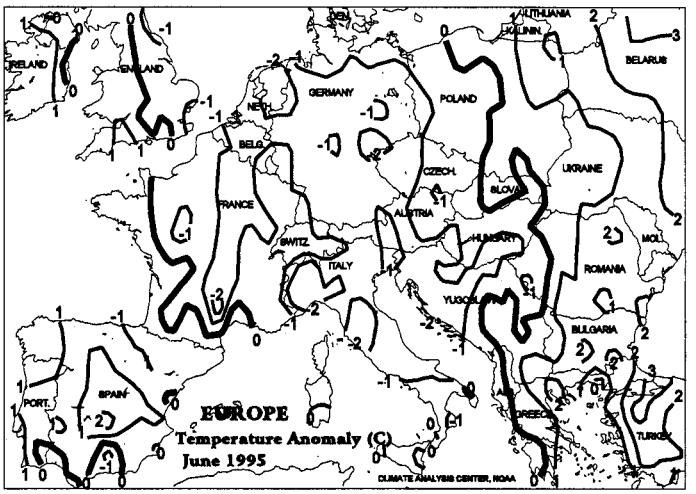
EUROPE

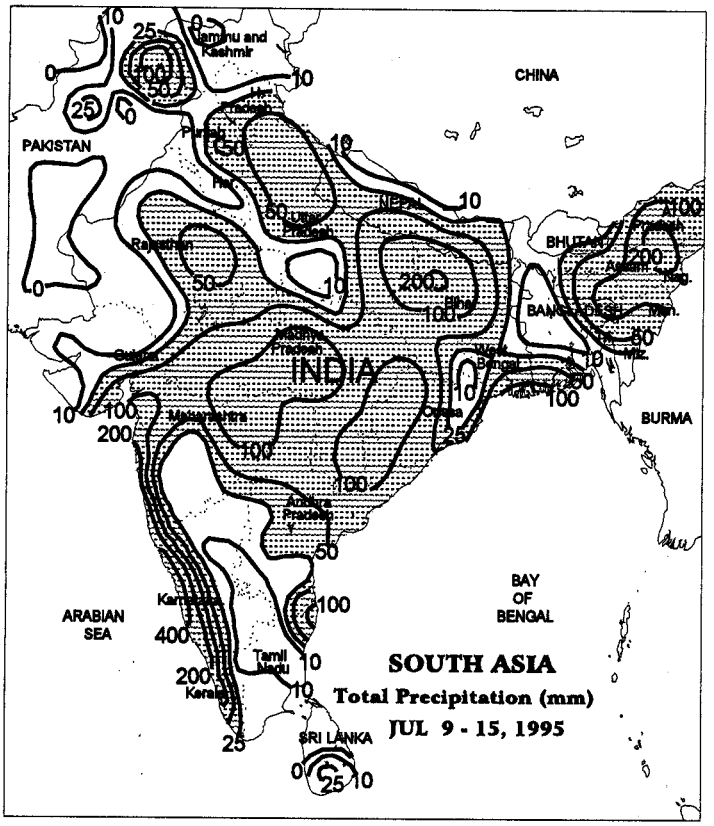
Widespread showers (10-25 mm) over most European crop areas, with 25-50 mm amounts scattered across the region, kept topsoils favorably moist for spring grain and summer crop development. The moisture slowed winter grain harvest progress from France to Hungary. Unseasonably warm weather, with average temperatures generally 4 degrees C above normal from northern France across Germany to Poland and Slovakia, hastened summer crop development and winter grain maturity across the north. Most corn areas of France, northern Spain, and Hungary received beneficial moisture. Variable rainfall in England brought favorable moisture for immature crops. Dry weather was restricted to the Mediterranean region. In June, below-normal rainfall reduced soil moisture for corn in France, and spring grains and sugar beets in southern England. Near- to above-normal rainfall elsewhere maintained adequate moisture for filling winter grains and summer crop growth.





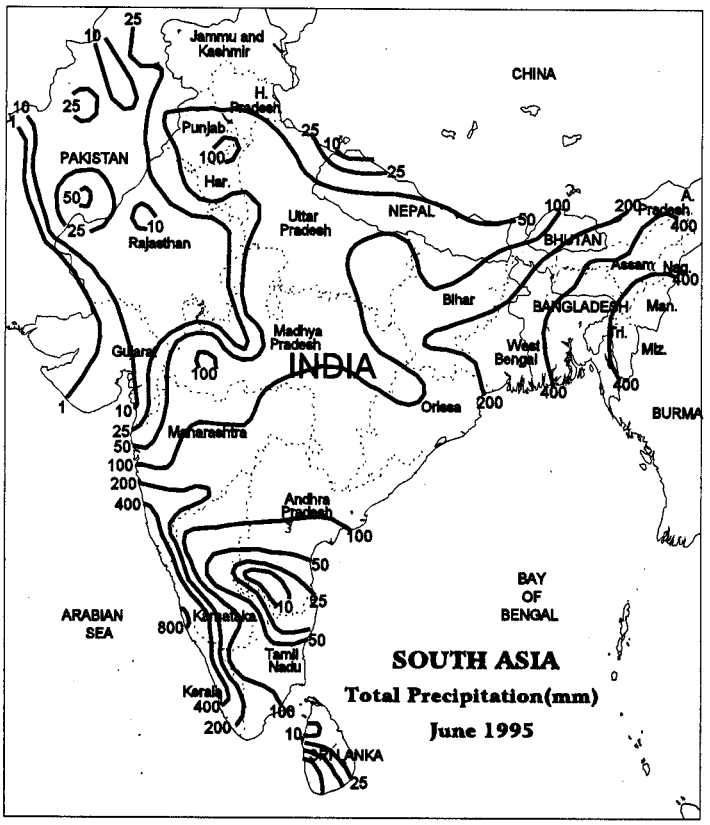


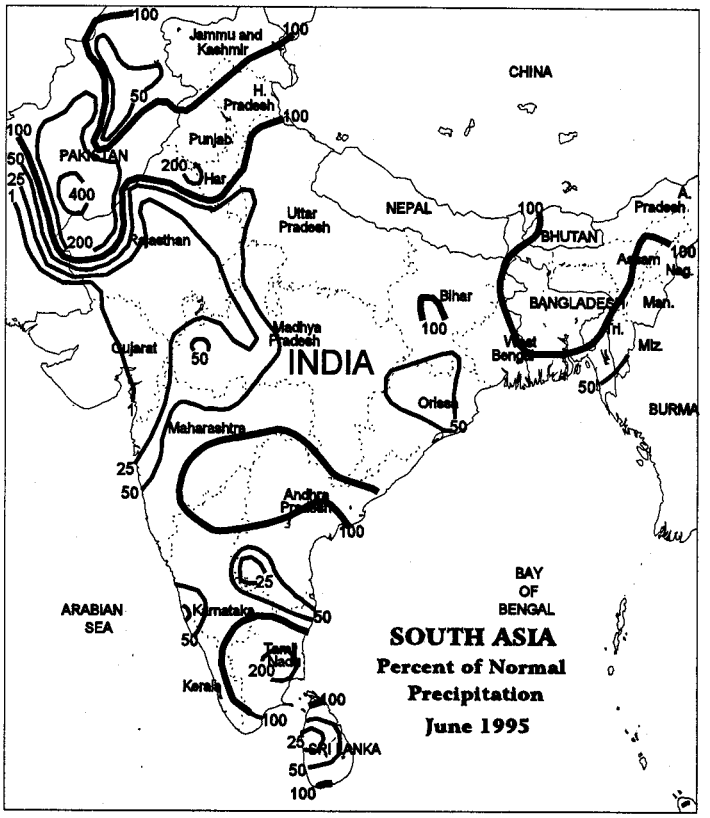


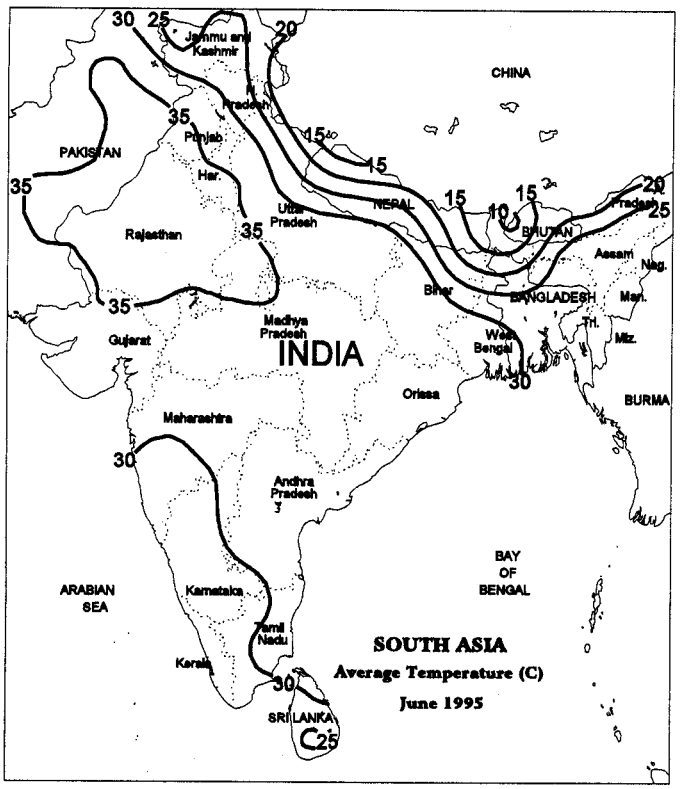


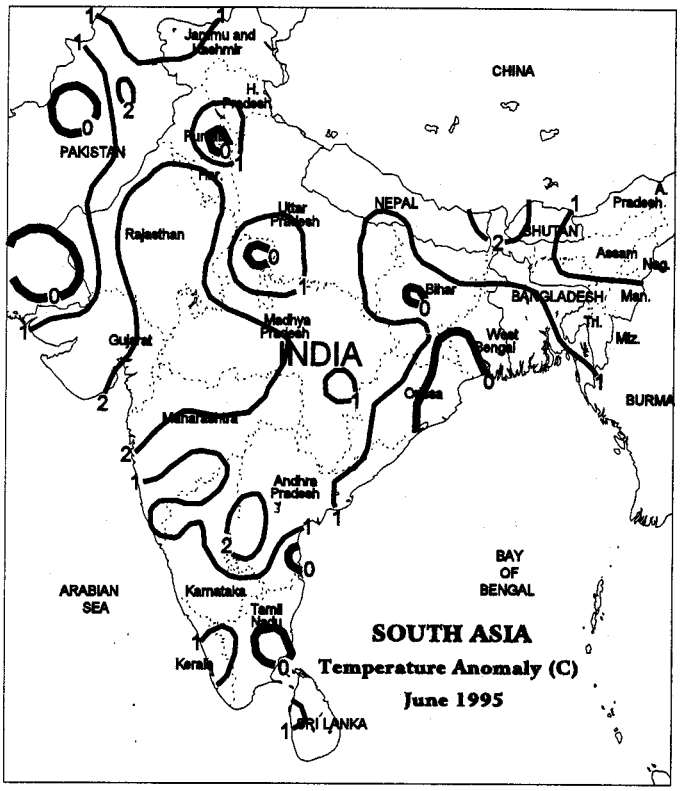
SOUTH ASIA

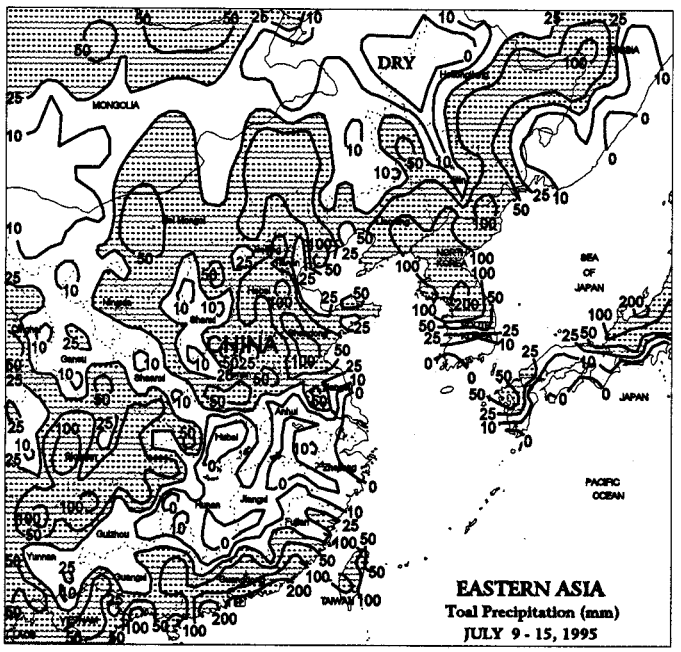
A surge in the southwest monsoon brought highly beneficial rain (35-100 mm, locally exceeding 200 mm) to central and eastern India. The rain improved conditions for vegetative cotton, grains (coarse grains and rice), and oilseeds and spurred late plantings. Major rainfed crop areas of western Gujarat received less than 25 mm, but planting was likely underway in response to encouraging signs that the monsoon was improving. Scattered heavy showers (50-100 mm) dotted northern India and Pakistan, but the dominant pattern of generally warm, dry weather increased overall evapotranspiration rates of cotton and rice. During June, the monsoon was weak and erratic, resulting in warmer- and drier-than-normal weather over most major crop areas. Delays in oilseed, cotton, and coarse grain planting were widespread and persistent in western and central India. Significant planting delays typically limit yield prospects, as August and September rainfall becomes more important in sustaining normal development. In mid-June, a surge in the monsoon resulted in near- to above-normal rainfall in sections of the northwest and east. However, while most eastern rice areas continued to receive seasonal showers, activity in the northwest dwindled. The monsoon typically reaches Pakistan and north-central India in mid-July, but that region is still waiting for the monsoon to become fully established.





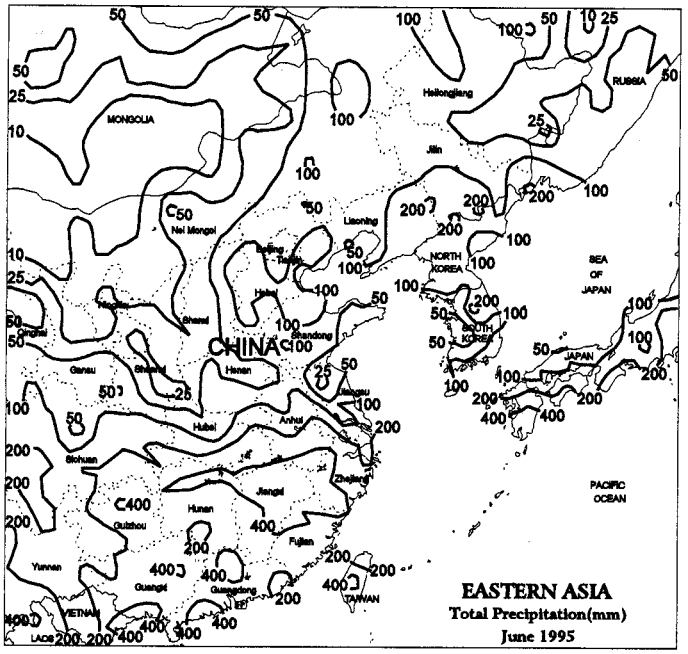






EASTERN ASIA

Widespread moderate showers (20-60, with scattered amounts greater than 90 mm) benefited vegetative summer crops across the North China Plain. Light to moderate rain (10-50 mm) brought significant drought relief to the northwestern crop areas (Shanxi, Shaanxi, southern Gansu, and western Nei Mongol), replenishing irrigation supplies and favoring reproductive to filling spring wheat. However, the rains likely came too late to reverse the drought impact on spring wheat in this region, which again reported below-normal rainfall in June. Light to moderate rains (5-50 mm) continued to benefit vegetative summer crops and reproductive to filling spring wheat across Manchuria. Drier weather (less than 10 mm) prevailed across the lower Yangtze Valley, helping to ease flooding caused by heavy June rainfall (150 to 200 percent above normal). Moderate to heavy showers (25-75 mm, with isolated amounts greater than 100 mm) kept irrigation supplies adequate across Sichuan and extreme southern China. Very heavy rain (100-200 mm, with isolated amounts near 300 mm) fell across North Korea and northern South Korea, causing flooding. Moderate to heavy rain (20-100 mm) fell across the western coast of Japan, with lesser amounts elsewhere. Weekly temperatures averaged 1-3 degrees C above normal across South Korea and Japan and near normal across North Korea. In June, near to above normal rainfall was reported across Manchuria, the eastern North China Plain, and most of southern China. North Korea and east-central Japan reported above-normal June rainfall, while most of southern Japan and South Korea experienced below-normal rainfall. Monthly temperatures averaged near to slightly below normal across the Korean Peninsula and Japan.


MONGOLIA
RUSSIA
Heilongjiang
Jilin
Liaoning
Nei Mongol
NORTH KOREA
SOUTH KOREA
SEA OF JAPAN
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CHINA
Hebei
Shandong
Henan
Anhui
Jiangsu
Zhejiang
Hubei
Sichuan
Hunan
Jiangxi
Fujian
Guizhou
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TAIWAN
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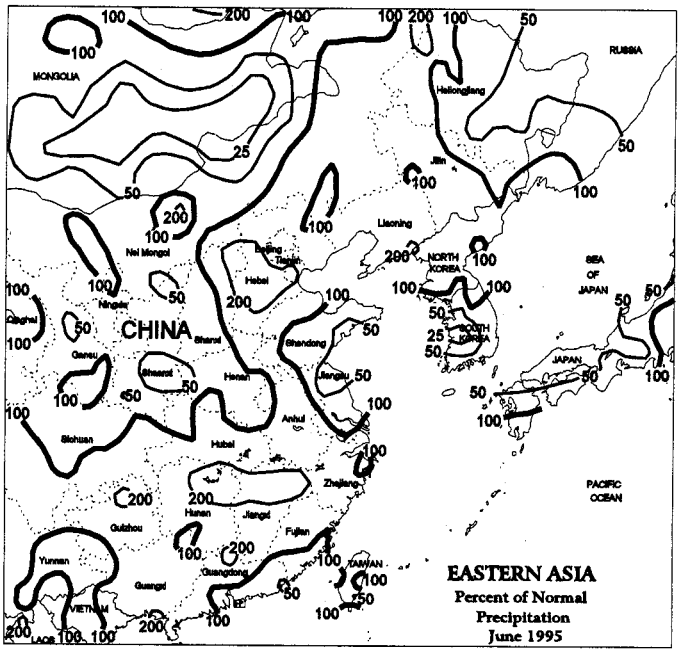
LAOS
PACIFIC OCEAN
EASTERN ASIA
Total Precipitation(mm)
June 1995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Hunan
Jiangxi
Fujian
Guizhou
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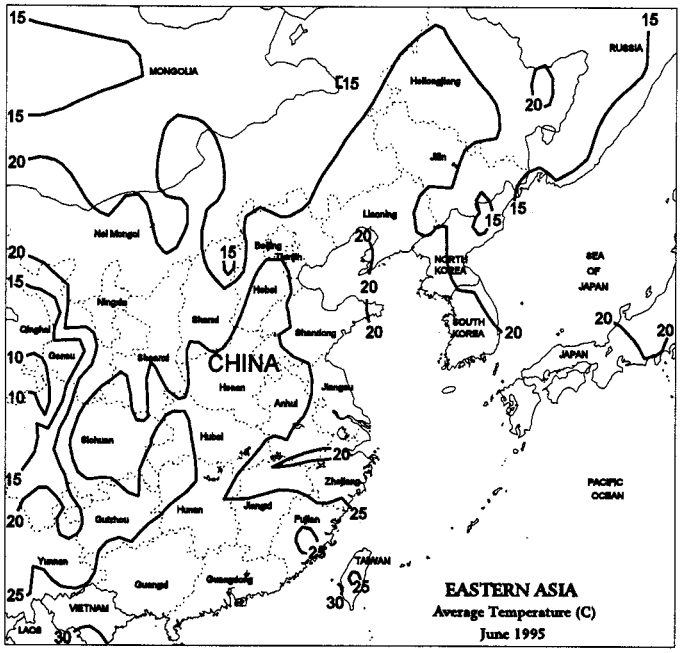
LAOS
PACIFIC OCEAN
EASTERN ASIA
Percent of Normal
Precipitation
June 1995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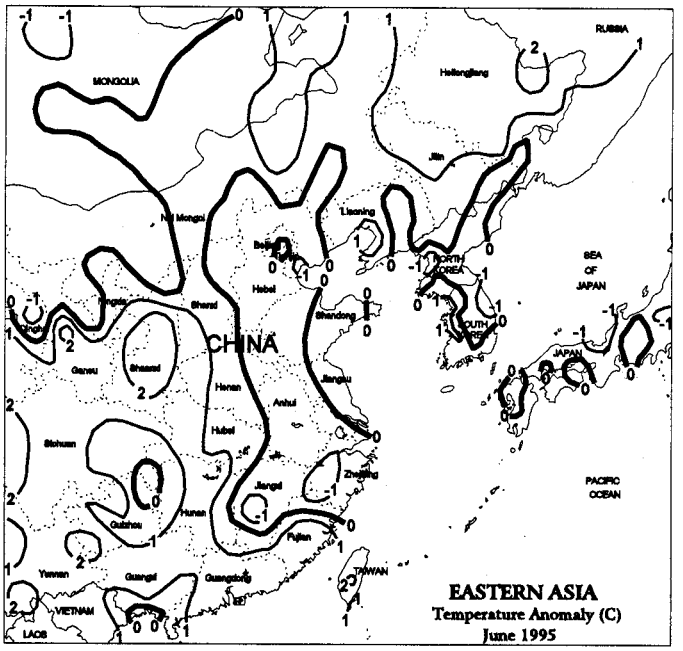
PACIFIC OCEAN
EASTERN ASIA
Average Temperature (C)
June 1995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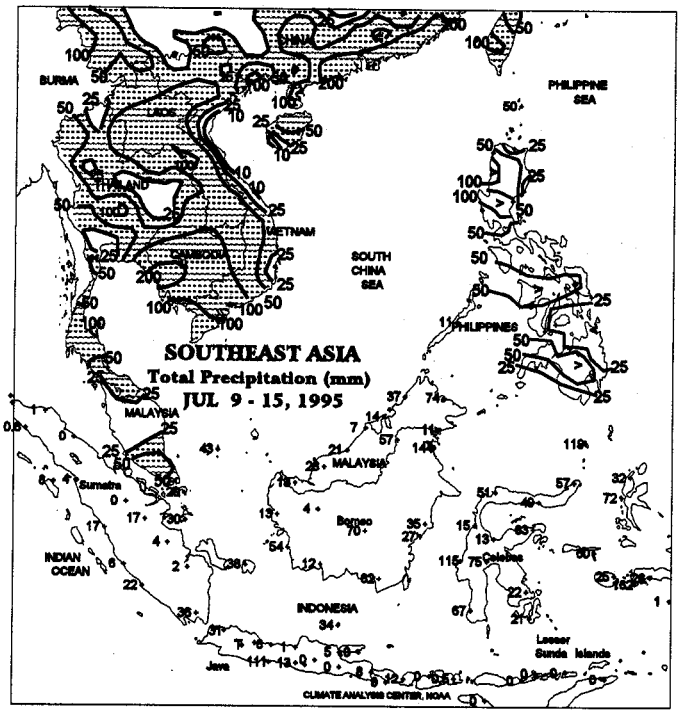
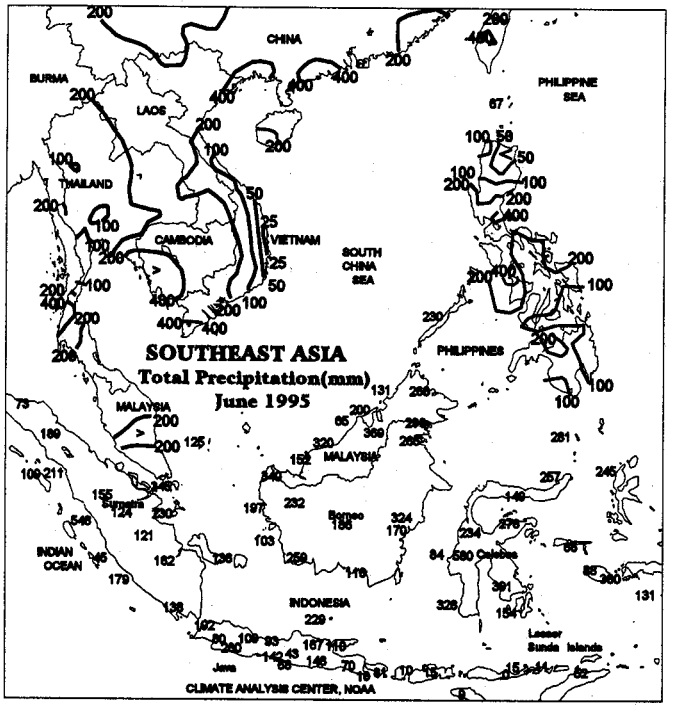
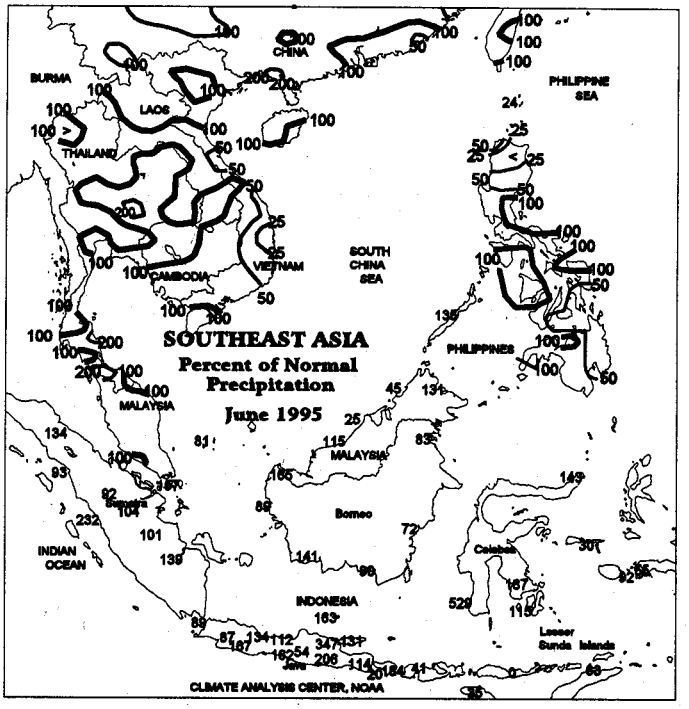
EASTERN ASIA
Temperature Anomaly (C)
June 1995

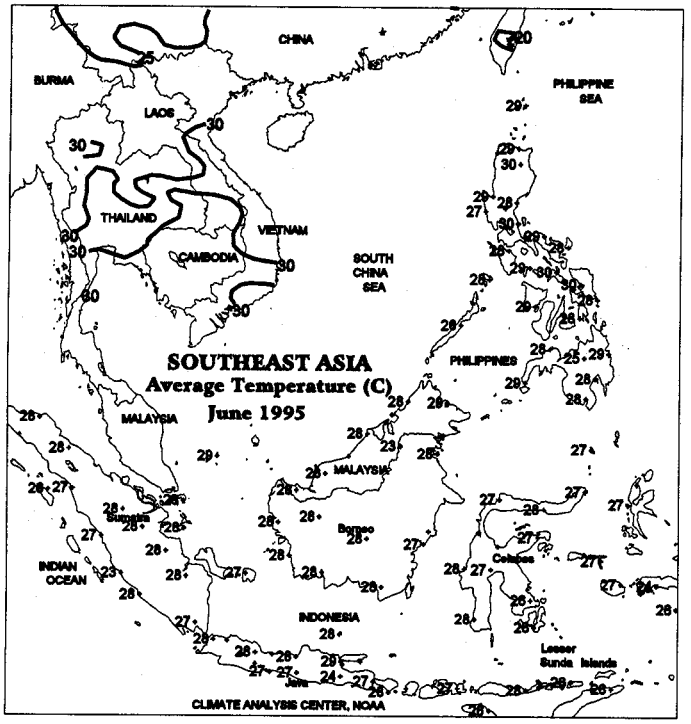


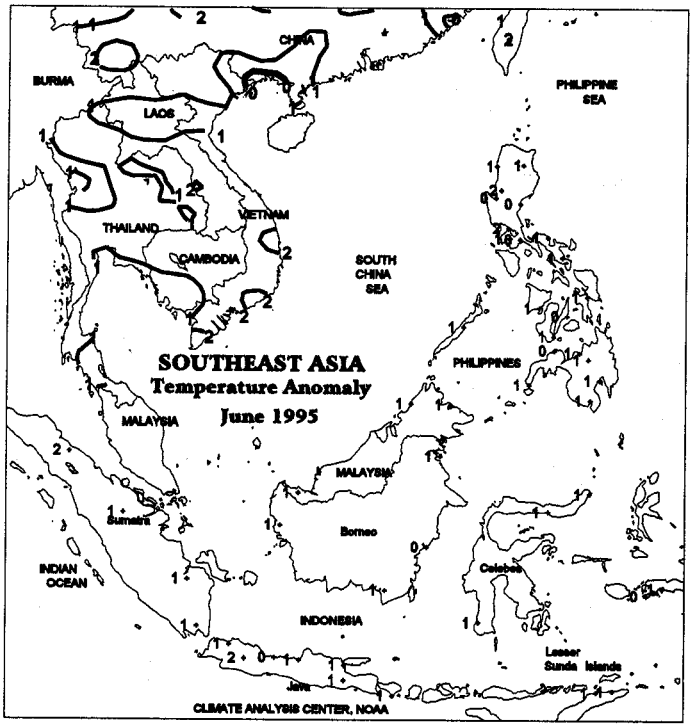
SOUTHEAST ASIA

Widespread showers (20-70 mm, with isolated amounts greater than 100 mm) again covered most of Thailand, aiding corn, rice, and sugarcane. Temperatures averaged 1-2 degrees C above normal across Thailand. Moderate to heavy showers (30-90 mm) fell across southern Vietnam, while scattered showers (5-40 mm) prevailed along the central coast. Favorable showers (30-60 mm) continued in the oil palm areas of western Malaysia. In the Philippines, widespread showers (30-110 mm) favored grains and sugarcane. In June, most of Thailand received near-to above-normal rainfall, despite drier weather later in the month. Below normal June rainfall was reported across central Vietnam and northern Luzon. Elsewhere, across Indochina and the Philippines, near normal rainfall prevailed, with above to much-above-normal rainfall benefiting irrigation supplies in Java.

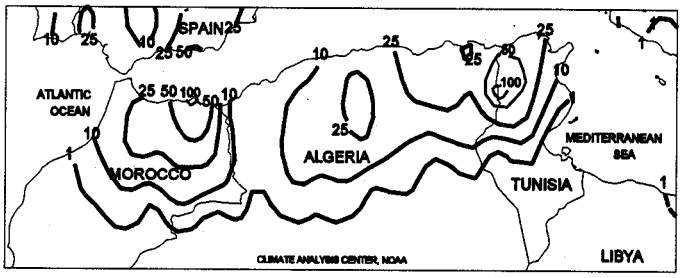




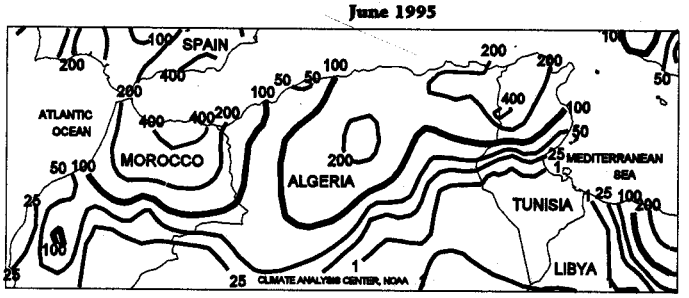




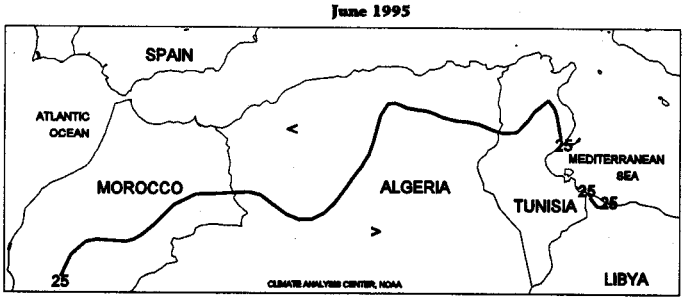
NORTHWEST AFRICA Total Precipitation (mm)
June 1995



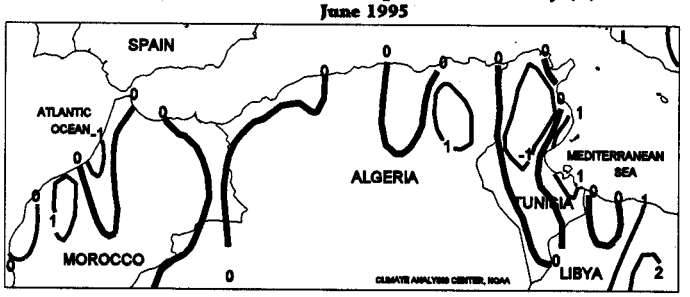
NORTHWEST AFRICA Percent of Normal Precipitation
June 1995

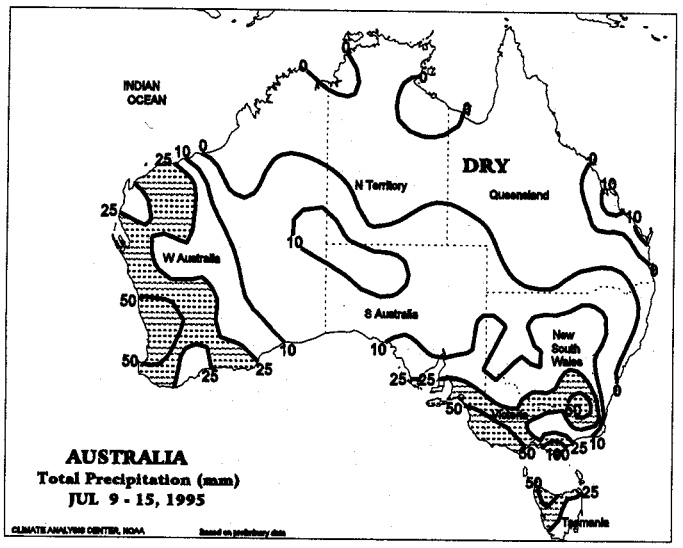


NORTHWEST AFRICA Average Temperature(C)
June 1995



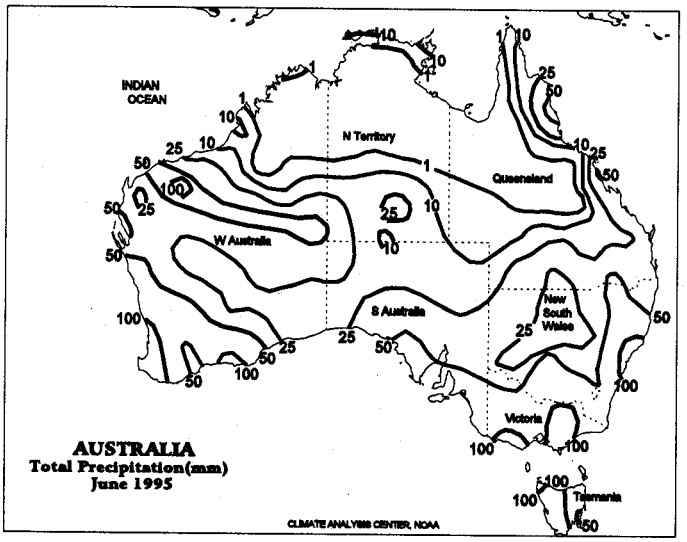
NORTHWEST AFRICA Temperature Anomaly (C)
June 1995

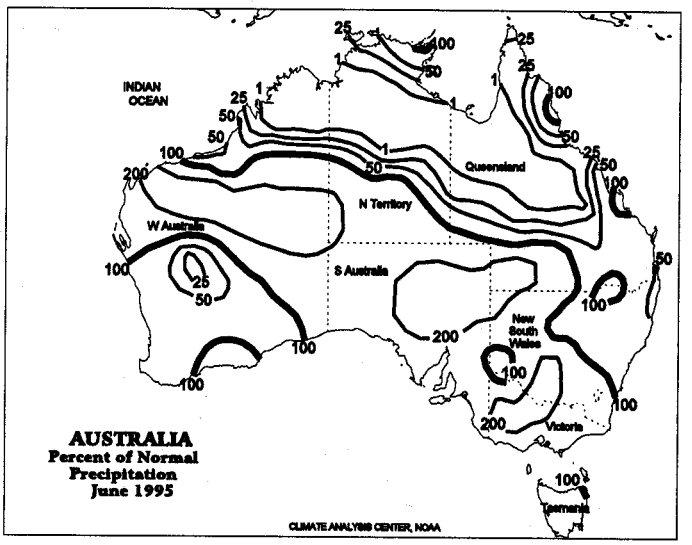


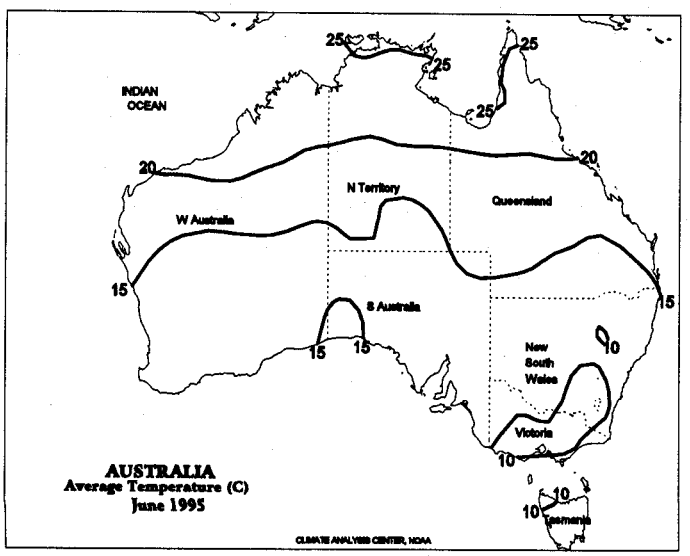


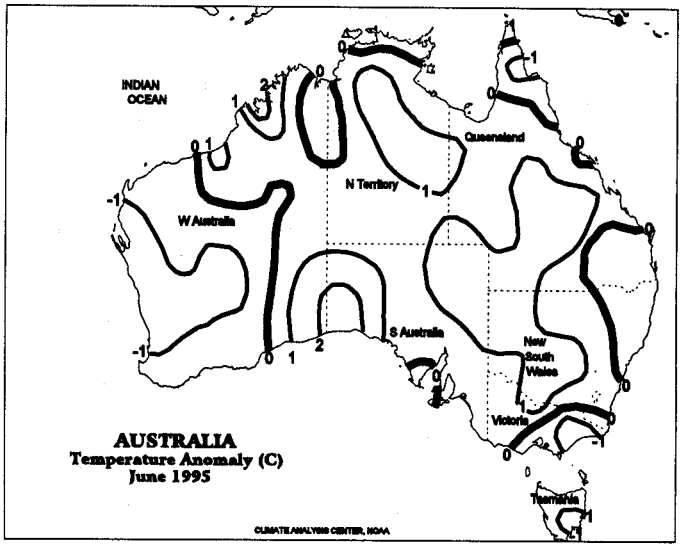
AUSTRALIA

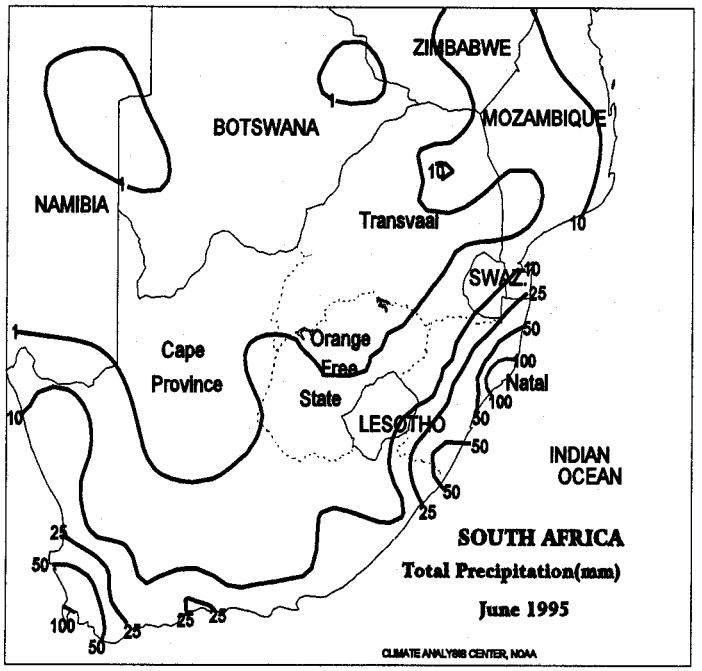
Moderate to heavy showers (10-25 mm or more, locally exceeding 50 mm) were widespread throughout winter grain areas of the west and southeast, maintaining favorable conditions for vegetative and semi-dormant crops. Since early June, these areas have experienced frequent showers, resulting in near- to above-normal June rainfall in the southeast and near- to below-normal rainfall in the west. June temperatures were slightly below normal in the west, slowing crop development. In the east, although temperatures were above normal for the month, periods of frost and freezing temperatures occurred. Unfavorable dryness has persisted in Queensland's northern winter grain areas for most of the season. Seasonal dryness along the northeast coast since early June favored sugarcane harvesting. In New Zealand, moderate to heavy rain (33-99 mm) covered northern South Island and central North Island. In June, these locations received near- to above-normal rainfall (97-241 mm).

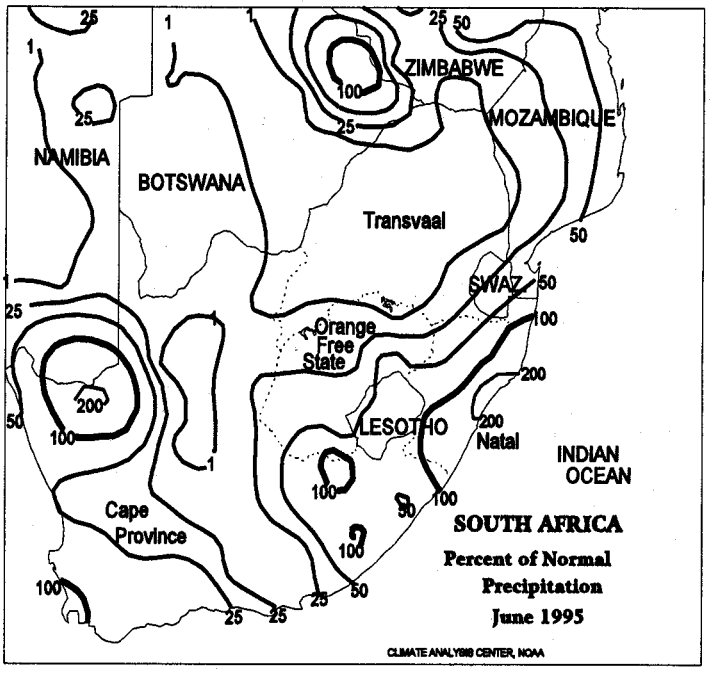









ZIMBABWE
BOTSWANA
MOZAMBIQUE
NAMIBIA
Transvaal
SWAZ.
Cape
Province
Orange
Free
State
Natal
LESOTHO
INDIAN
OCEAN
SOUTH AFRICA
Total Precipitation(mm)
June 1995
CLIMATE ANALYSIS CENTER, NOAA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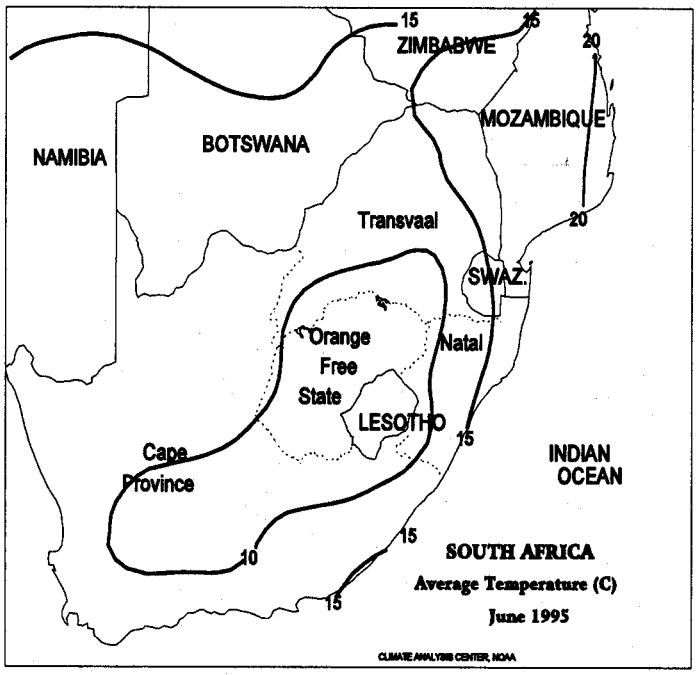
SOUTH AFRICA
Percent of Normal
Precipitation
June 1995
CLIMATE ANALYSIS CENTER, NOAA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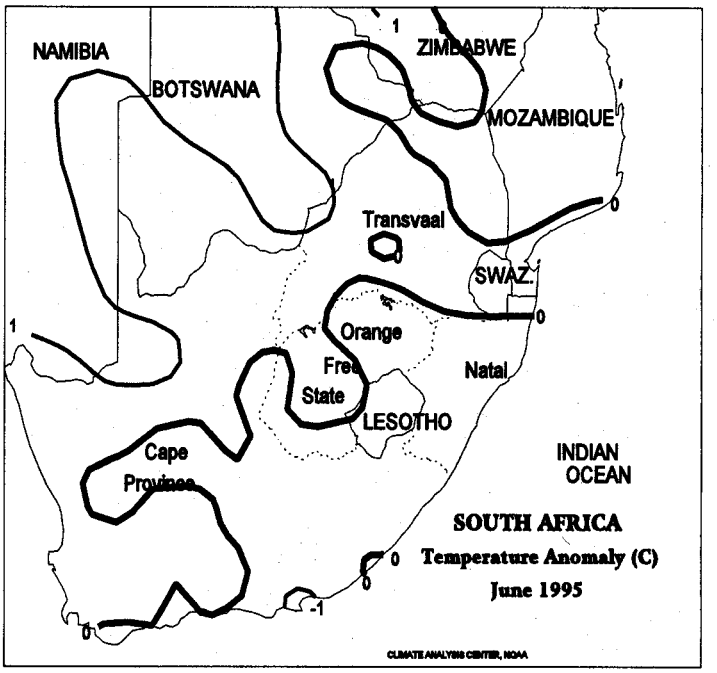
OCEAN
SOUTH AFRICA
Average Temperature (C)
June 1995
CLIMATE ANALYSIS CENTER, NOAA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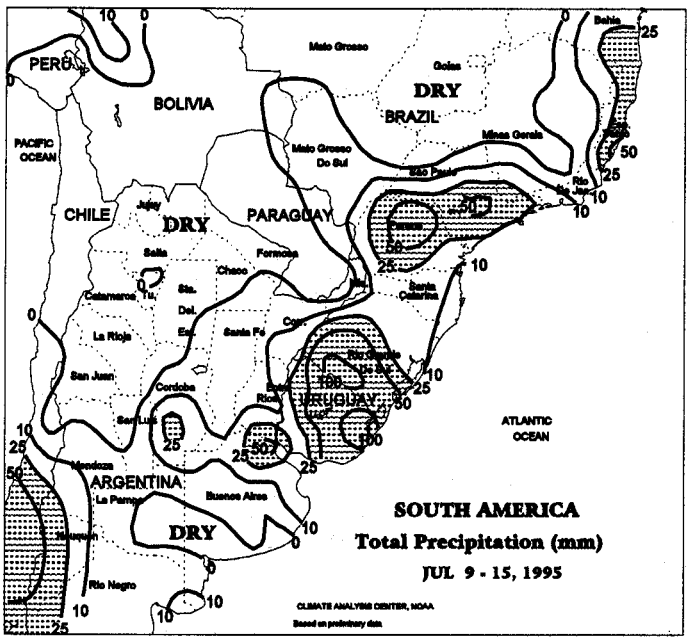
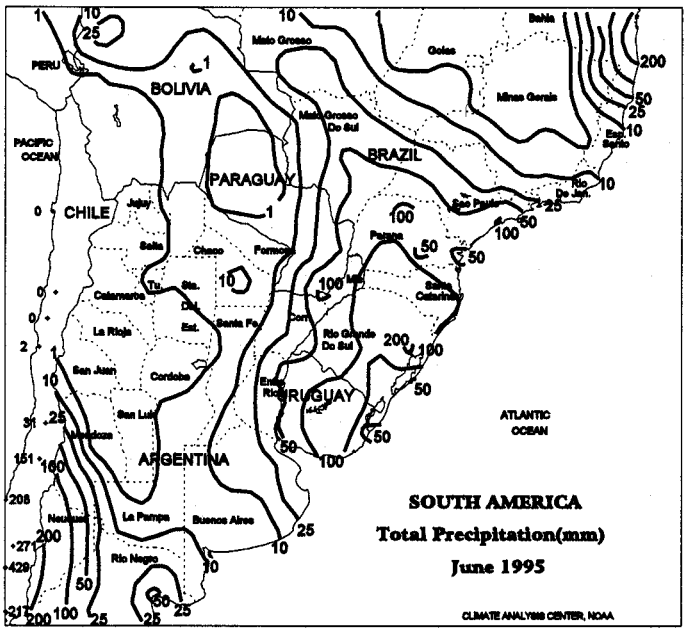
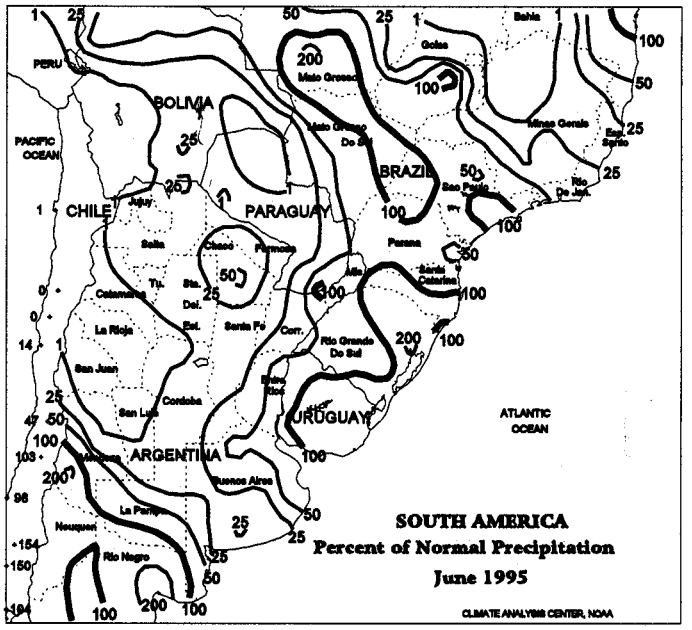
OCEAN
SOUTH AFRICA
Temperature Anomaly (C)
June 1995
CLIMATE ANALYSIS CENTER, NOAA

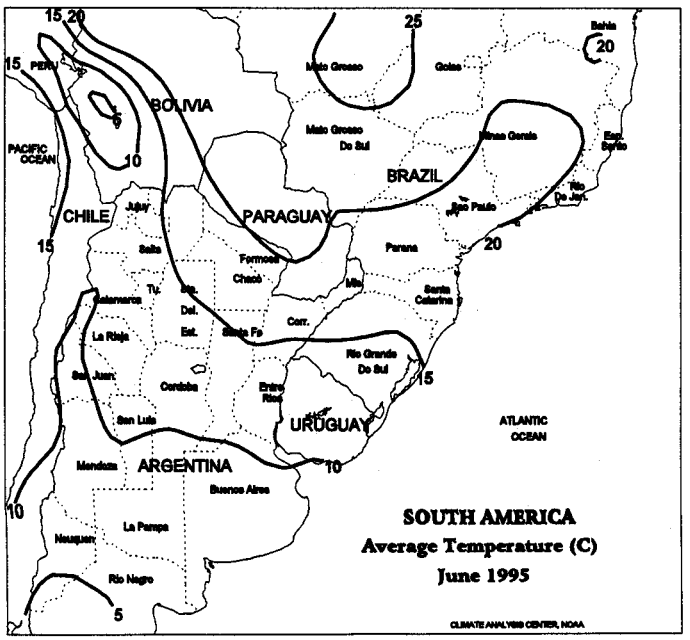


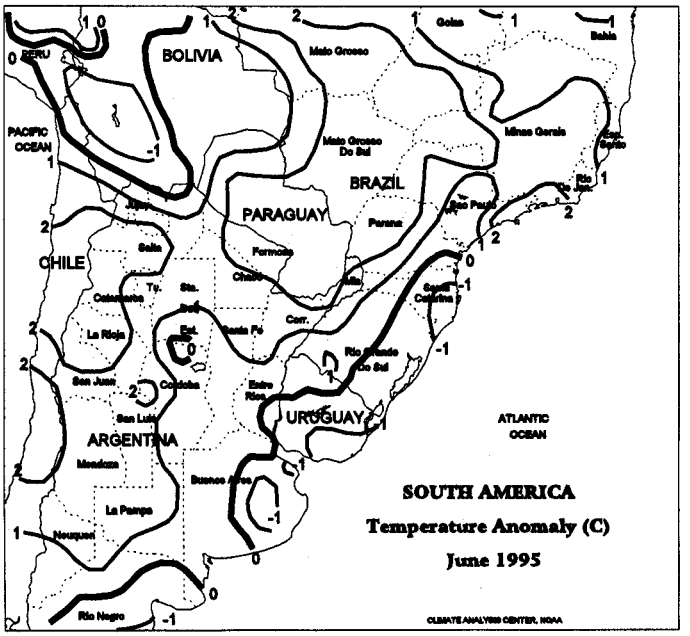
SOUTH AMERICA

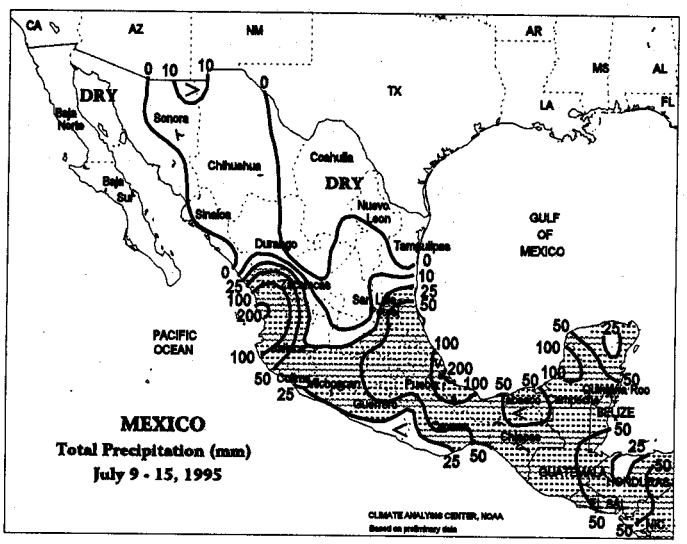
In central Argentina, light rain (5-15 mm, with an amount greater than 100 mm near the city of Buenos Aires) fell across southern Santa Fe and northern Buenos Aires, bringing some relief to vegetative winter wheat. However, little or no rain fell across southern Buenos Aires and the whole region still needs more rain. In southern Brazil, moderate rain (15-50 mm) continued to benefit vegetative winter wheat across Rio Grande do Sul and Parana. Moderate rain (20-50 mm) fell across coastal Espirito Santo and Bahia. Temperatures averaged near normal in central Argentina and 2-6 degrees C above normal in southern Brazil. In June, below- to much-below normal rainfall was reported across central Argentina, stressing wheat. Near- to above-normal June rainfall favored winter wheat growth across most of southern Brazil. Near- to below-normal June rainfall, along with above-normal temperatures, favored early coffee harvesting in Sao Paulo and Minas Gerais.





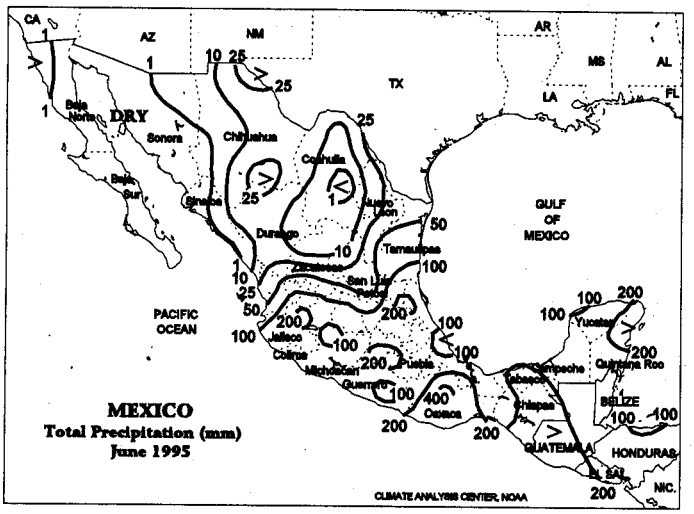


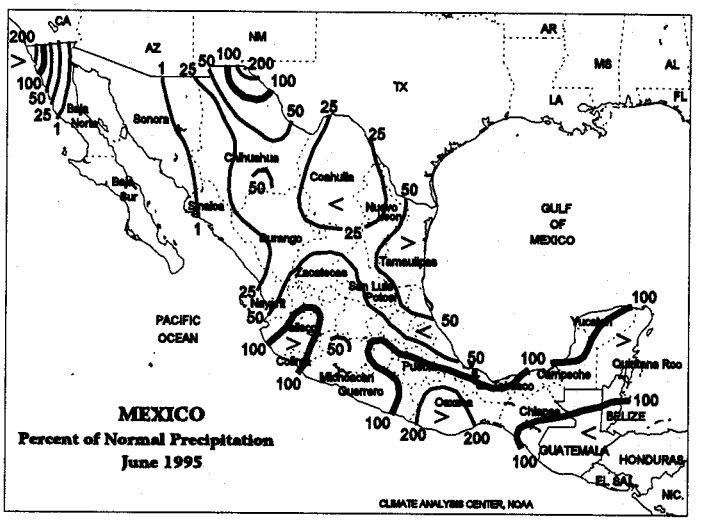


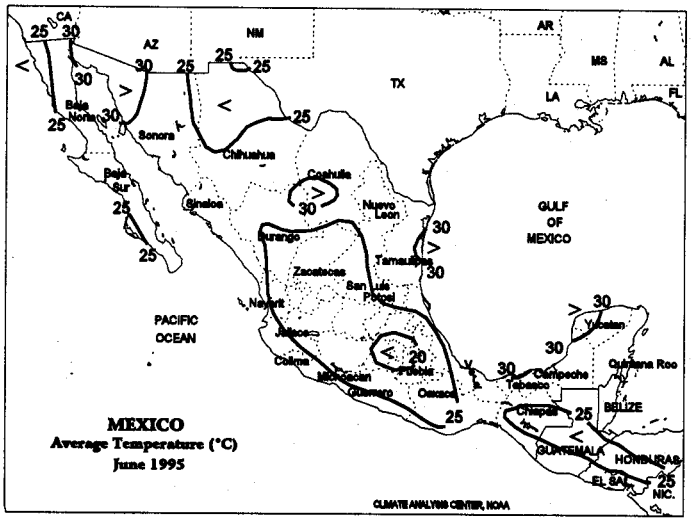


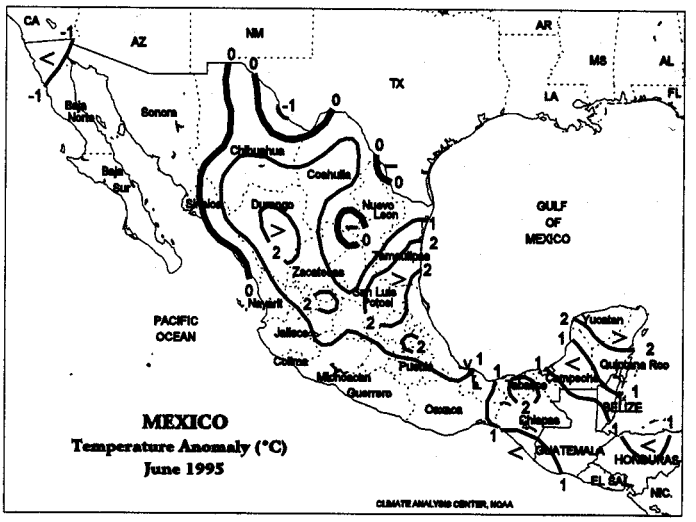
MEXICO

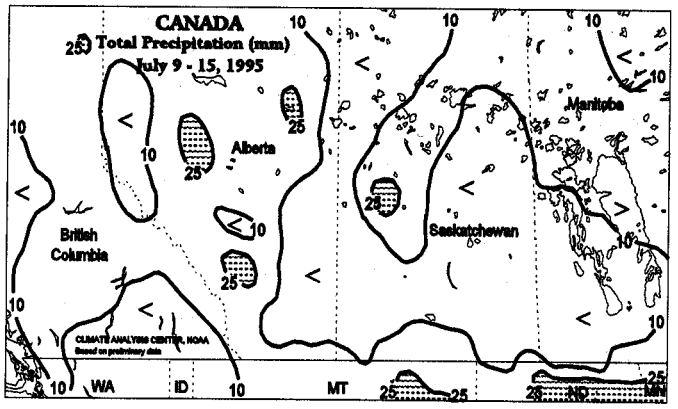
Seasonal showers (15-70 mm) continued across the southern Plateau corn belt, benefiting vegetative corn. Isolated heavy showers in excess of 200 mm were reported in the fringes of the main corn belt (Nayarit and southern Veracruz), causing some local flooding. Mostly light rain (less than 10 mm) fell across northern Mexico, bringing some relief to drought-stricken areas, but much more rain is needed. Moderate to heavy showers (20-80 mm) covered the Yucatan Peninsula, keeping moisture adequate for corn planting and germination. Weekly temperatures averaged near normal across the country. In June, near-normal rainfall was reported across portions of the eastern and western corn belt, with below normal rainfall in central areas. The north and northeast again received below normal rainfall (10-60 percent of normal), as the drought continued in those regions. Monthly temperatures averaged 1-2 degrees C above normal across north-central, central and east-central Mexico, further reducing moisture availability.





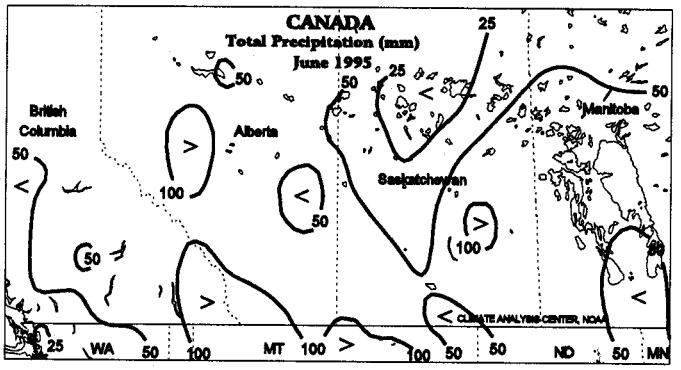


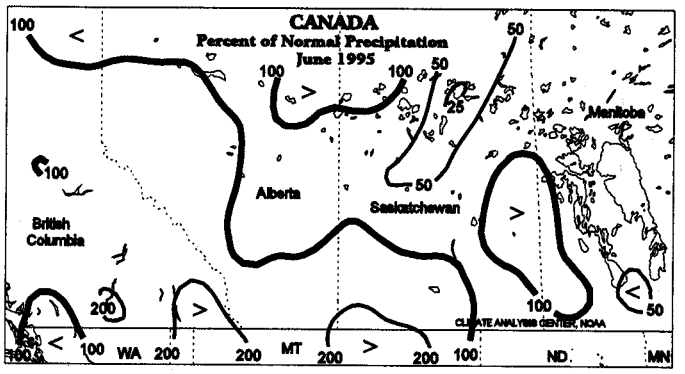


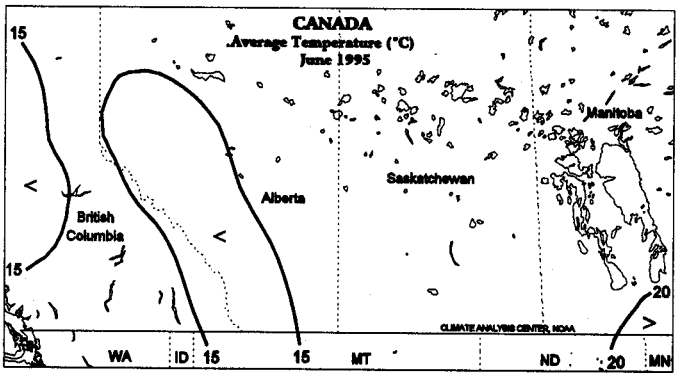


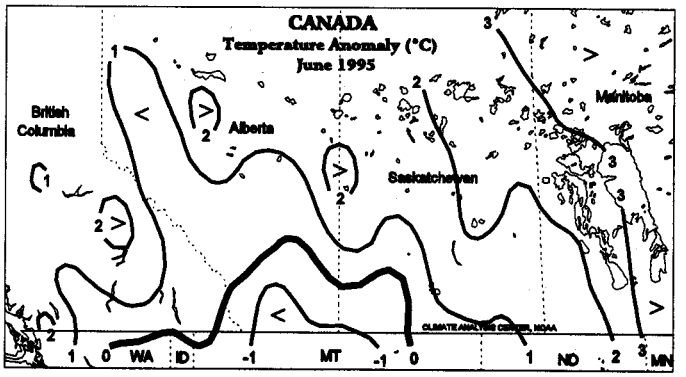
CANADA

Dry, warm weather (rainfall 10 mm or less, temperatures 1-3 degrees C above normal) increased moisture demands of vegetative to reproductive grains and oilseeds. Moderate rain (10-30 mm) brought some relief to sections of northwestern Saskatchewan but dry pockets persisted elsewhere across the north, stressing crops advancing through reproduction. During June, rainfall was near to above normal over a broad area from southern Alberta to western Manitoba, owing largely to an active storm track early in the month. Since late June, rainfall has been concentrated over central Saskatchewan, with a distinct drying trend continuing over northwestern and northeastern grain and oilseed areas. Many areas have not received a soaking rain since the crop emerged. June temperatures, while averaging above normal over all but the southwest, were highly variable during the month. In early June, an outbreak of unusually warm weather (temperatures 5-7 degrees C above normal) that warmed topsoils for germination was ended by a cold front that brought patchy frost to the northwest. A mid-June heat wave in the southeast stressed Manitoba's emerging spring wheat. A return to unfavorable coolness in late June put late-planted crops further behind in development. In eastern Canada, unfavorably warm, dry weather persisted over Ontario and Quebec, stressing corn and soybeans approaching reproduction.









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Heat Wave Records and Minutiae

All-Time Records (broken or tied)

Location	High (°F)/Date	Previous
La Crosse, WI	108 on 7/13	108 on 7/14/1936
CT (Danbury)	106 on 7/15	105 on 7/21/1991
Chicago (Midway), IL	106 on 7/13	104 on 6/20/1953
Chicago (O'Hare), IL	104 on 7/13	104 on 6/20/1988
Flint, MI	101 on 7/14	101 on 7/07/1988

First Triple-Digit Heat Since...
(for selected locations)

Location	High (°F)/Date	Previous
Toledo, OH	104 on 7/14	7/08/1988
Chicago (O'Hare), IL	104 on 7/13	8/02/1991
Williamsport, PA	103 on 7/15	7/20/1991
Topeka, KS	103 on 7/11*	8/22/1991
Boston, MA	100 on 7/14	7/21/1977
Des Moines, IA	100 on 7/12*	Aug. 1988
Pittsburgh, PA	100 on 7/15	8/17/1988
Hartford, CT	100 on 7/15	7/21/1991
Windsor Locks, CT	100 on 7/15	7/21/1991
South Bend, IN	100 on 7/14	7/22/1991
Grand Island, NE	100 on 7/10*	8/22/1991

Hottest Day Since...
(for selected locations)

Location	High (°F)/Date	Previous
Omaha, NE	109 on 7/12	110 on 7/21/1974
Philadelphia, PA	103 on 7/15	103 on 7/04/1966
Buffalo, NY	97 on 7/15	97 on 7/06/1988

Record-High Minimum Temperatures (°F)

Location	Low (°F)/Date	Previous
Milwaukee, WI	84 on 7/14	83 on 7/29/1916
Scranton, PA	79 on 7/15	76 in Aug. 1938

* The hottest day during the heat wave occurred a day later in both Topeka (105°F on July 12) and Des Moines (101°F on July 13). Grand Island peaked at 108°F on July 12.

Note: In cases where the former record was attained on multiple dates, the "previous" column indicates only the most recent occurrence.

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