

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

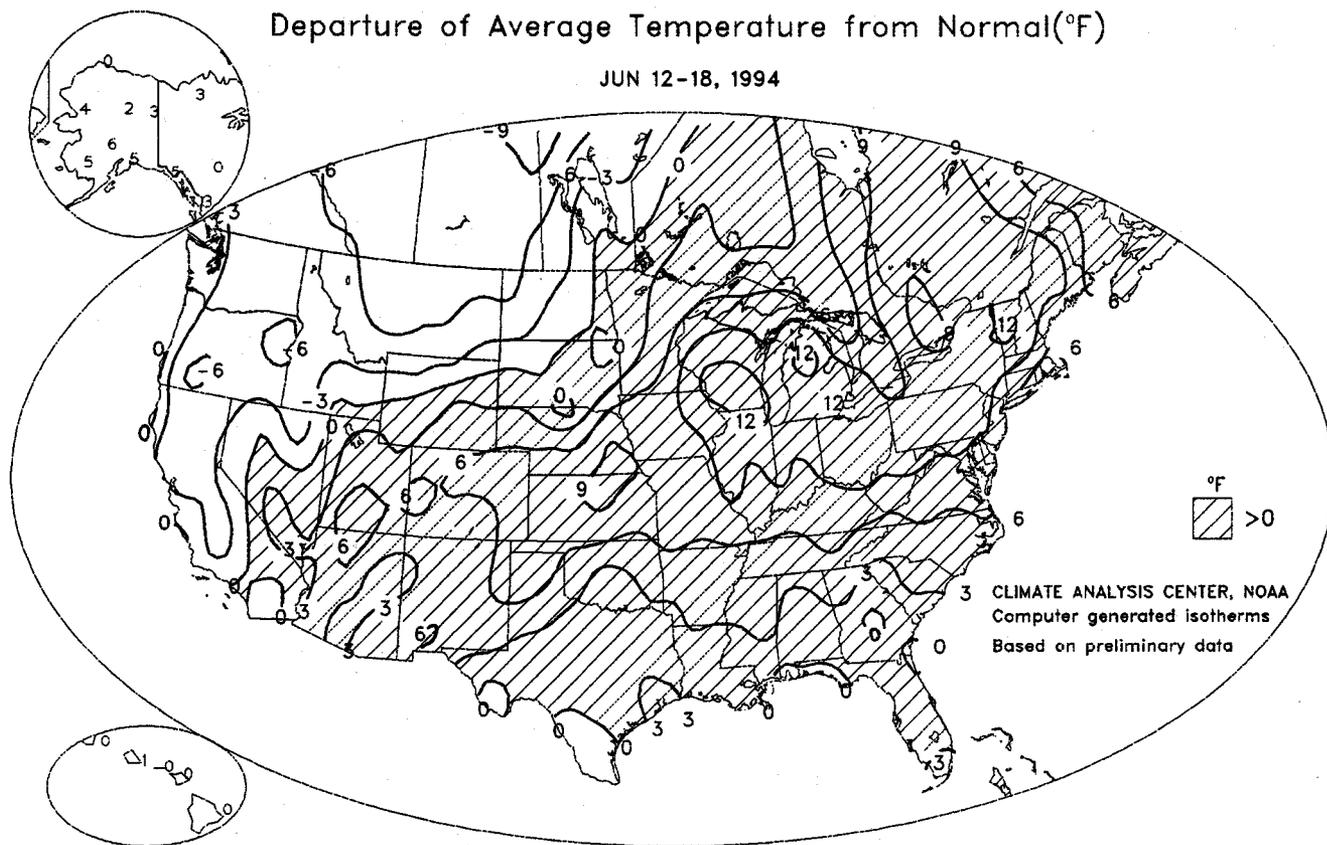
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Washington, D.C.

June 21, 1994

Departure of Average Temperature from Normal(°F)

JUN 12-18, 1994



HIGHLIGHTS

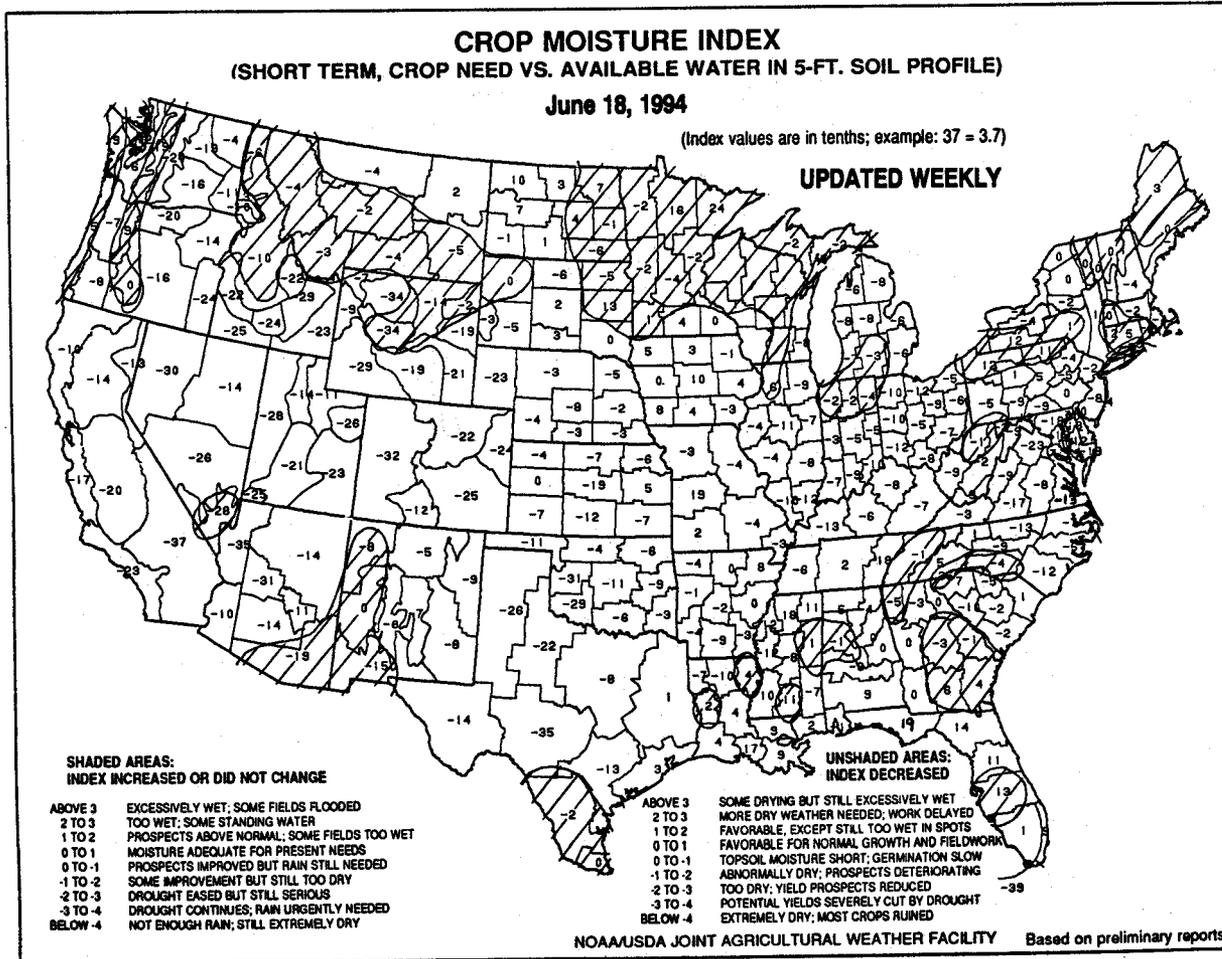
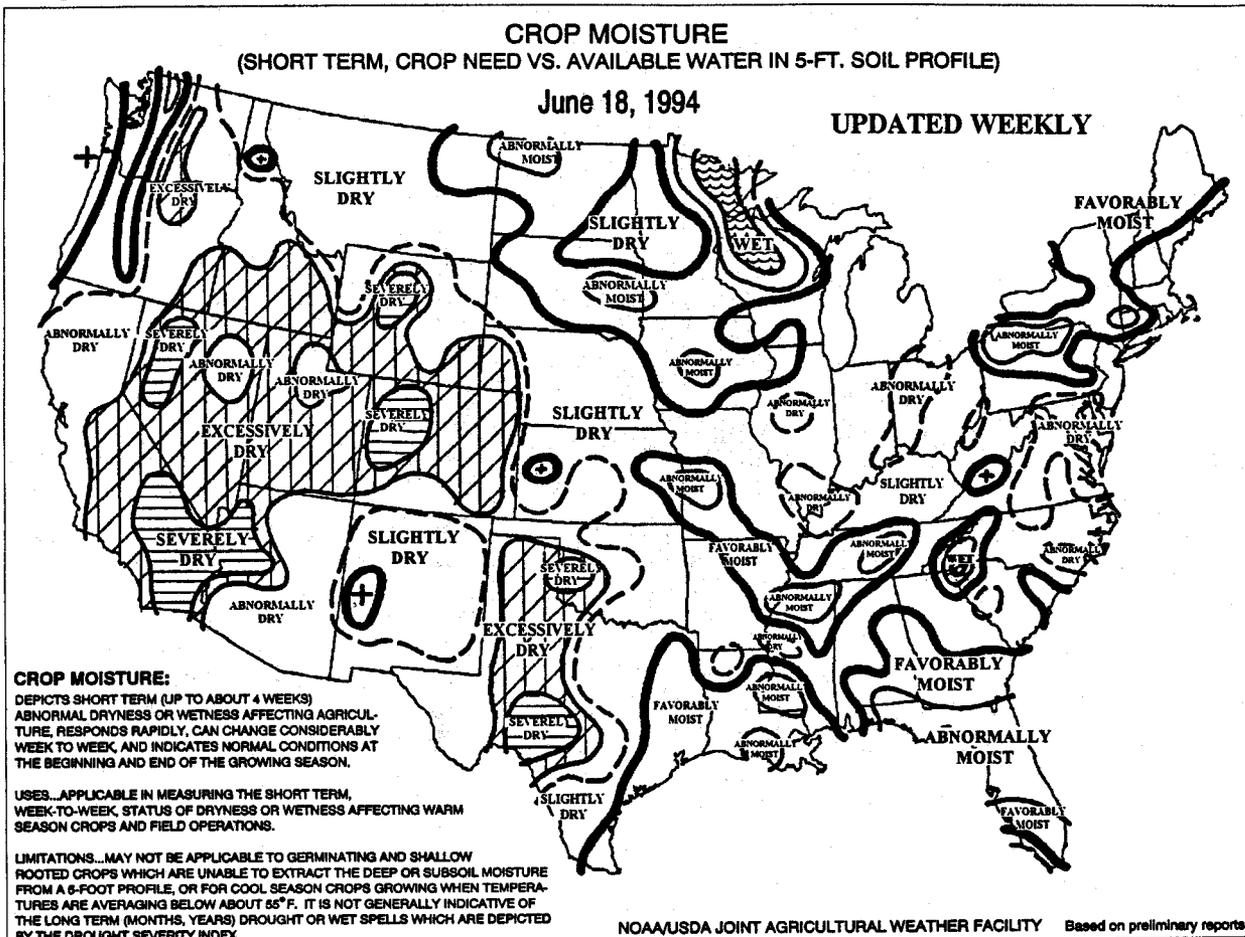
June 12 - 18, 1994

A savage early-season heatwave stressed crops and broke more than 100 daily record highs from the Midwest to the Northeast. Heat first appeared in the Corn Belt on Monday, briefly built westward into the central Plains before midweek, then settled across the eastern Corn Belt by week's end. Although scattered thunderstorms locally tempered the effects of excessive heat (late-week highs in the mid- to upper 90's), topsoil moisture continued to diminish from southeastern Wisconsin and Illinois eastward through Ohio. Corn and soybean plants in the Midwest will begin to enter their reproductive, heat- and moisture-sensitive phases of development (silking and blooming, respectively) in early July. Meanwhile, the western Corn Belt escaped with a single day of hot weather (June 14), and received significant rainfall, especially on Sunday and Friday. On the southern edge of the heat-

(Continued to p. 9)

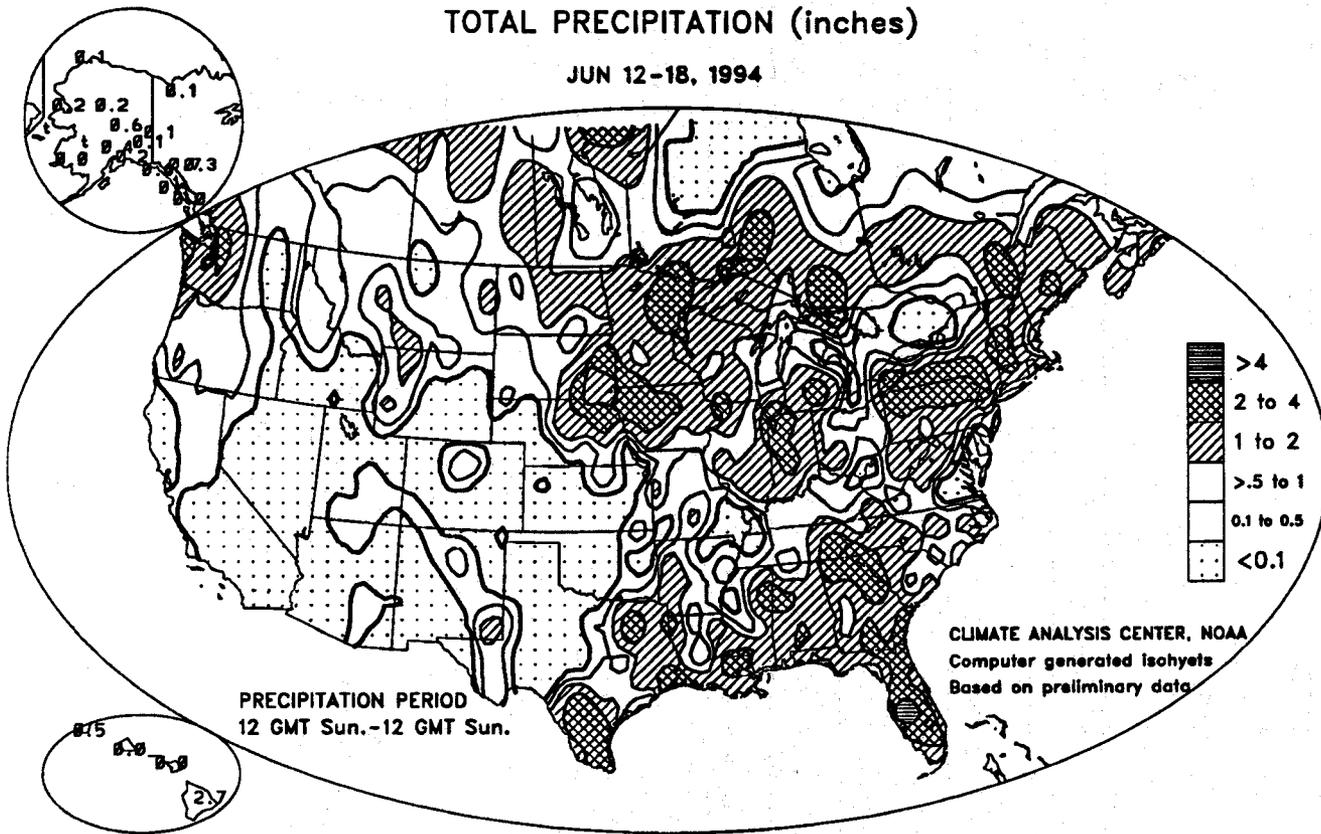
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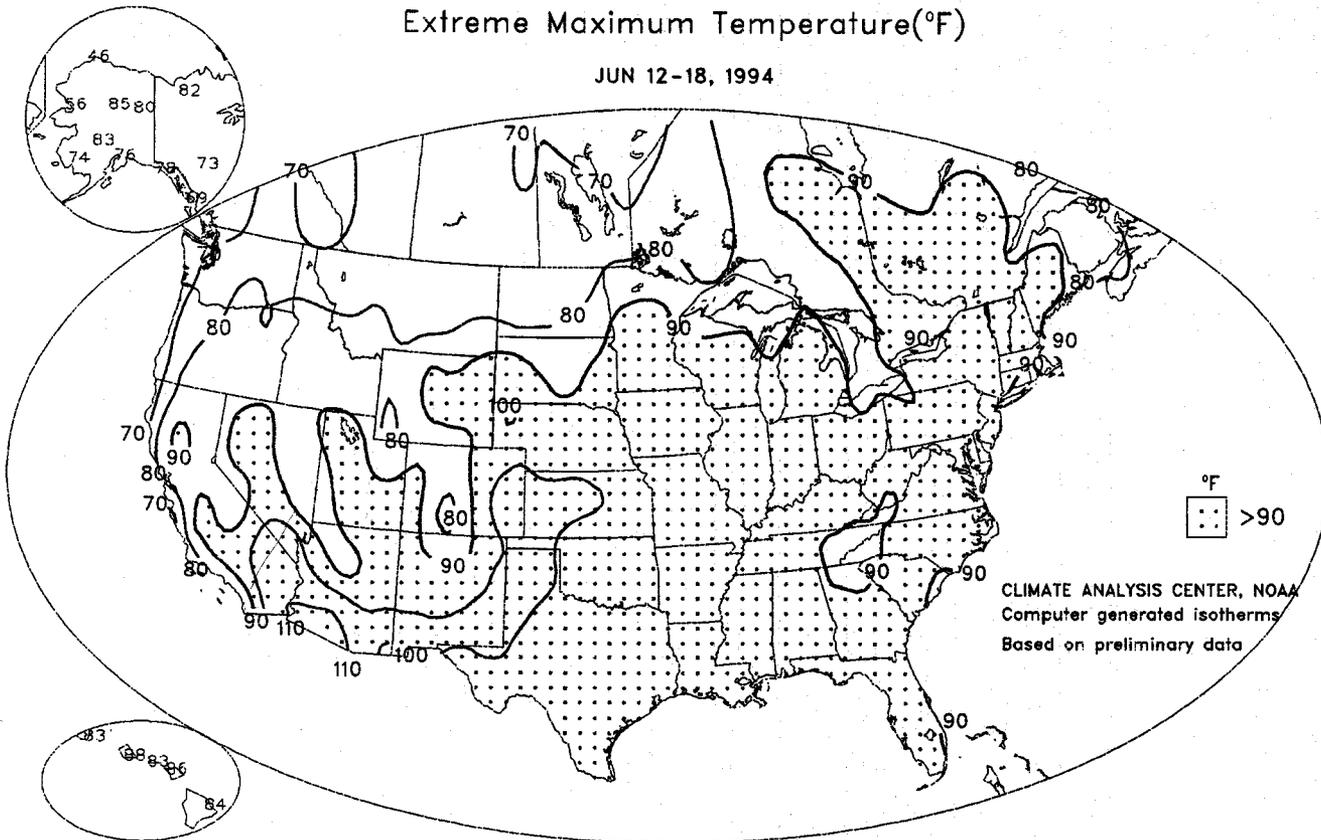
TOTAL PRECIPITATION (inches)

JUN 12-18, 1994



Extreme Maximum Temperature(°F)

JUN 12-18, 1994



National Weather Data for Selected Cities

Weather Data for the Week Ending June 18, 1994

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.		
																		.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE	
AL BIRMINGHAM	89	68	94	65	78	2	.4	-.4	.3	2.8	127	27.9	99	94	57	5	0	2	0	0	0	
MOBILE	90	71	93	70	80	0	0	0	0	1.2	93	25.0	84	97	54	4	0	4	1	0	0	
MONTGOMERY	92	70	95	66	81	3	.6	-.6	.3	2.7	95	23.6	85	94	52	6	0	5	0	0	0	
AK ANCHORAGE	70	50	76	47	60	6	.6	-.6	.3	4.6	46	3.6	83	81	46	0	0	1	0	0	0	
BARRON	38	31	46	27	34	0	0	0	0	.1	80	.6	76	90	75	0	5	3	0	0	0	
FAIRBANKS	75	55	90	51	64	4	.6	-.6	.3	1.2	2.2	.9	122	2.2	72	80	34	1	0	4	0	0
JUNEAU	66	50	73	45	58	3	.3	-.3	.3	.8	42	20.8	106	84	43	0	0	1	0	0	0	
KODIAK	64	46	72	37	55	6	.2	-.2	.2	2.0	65	44.5	148	95	54	0	0	1	0	0	0	
HOME	58	42	76	37	50	4	.4	-.4	.3	.1	12	2.9	75	87	58	0	0	1	0	0	0	
AZ PHOENIX	103	76	108	72	89	1	0	0	0	0	0	0	0	36	11	7	0	0	0	0	0	
PRESCOTT	87	59	91	57	73	6	.6	-.6	.3	0	0	0	0	55	33	2	0	0	0	0	0	
TOCSON	102	73	108	71	87	3	.3	-.3	.3	50	2.8	100	38	11	7	0	0	1	0	0	0	
YUMA	105	79	109	76	92	4	.4	-.4	.3	0	.7	71	36	12	7	0	0	0	0	0	0	
AR FORT SMITH	92	73	95	72	83	6	.3	-.3	.3	1.1	52	23.3	117	96	50	6	0	2	2	0	0	
LITTLE ROCK	91	73	92	71	82	5	1.4	-.4	1.2	4.1	153	28.7	120	96	55	6	0	2	0	1	0	
CA BAKERSFIELD	90	58	99	53	74	-4	0	0	0	0	0	4.2	111	51	12	4	0	0	0	0	0	
BUREKA	62	52	65	48	57	1	1.2	-.2	.8	221	19.5	94	88	68	0	0	1	0	0	0	0	
FRESNO	89	58	96	53	74	-3	0	0	0	0	6.3	91	81	57	3	0	0	0	0	0	0	
LOS ANGELES	71	62	78	60	67	1	0	0	0	0	0	6.2	81	81	61	0	0	0	0	0	0	
REDDING	87	57	94	51	72	-4	0	0	0	0	15.0	80	56	16	2	0	0	0	0	0	0	
SACRAMENTO	84	52	89	48	68	-3	.6	-.6	.6	814	7.3	69	84	26	4	0	0	1	1	0	0	
SAN DIEGO	72	61	75	59	66	0	0	0	0	0	8.1	131	83	67	0	0	0	0	0	0	0	
SAN FRANCISCO	67	52	74	50	60	-2	0	0	0	0	43	10.7	87	87	57	0	0	0	0	0	0	
CO DENVER	92	60	99	53	76	9	.5	-.5	.5	.8	75	6.2	82	85	26	4	0	1	1	0	0	
GRAND JUNCTION	95	66	96	63	80	7	0	0	0	0	3.0	66	78	7	7	0	0	0	0	0	0	
FURELO	97	52	100	48	74	4	.4	-.4	.3	1.2	178	7.2	172	82	15	7	0	1	0	0	0	
CT BRIDGEPORT	83	65	91	64	74	7	.7	-.7	.3	.7	34	21.0	106	96	66	1	0	3	0	0	0	
HARTFORD	86	67	95	63	76	8	2.2	1.4	1.3	2.5	106	24.0	117	96	64	3	0	3	2	0	0	
DC WASHINGTON	95	73	101	70	84	8	1.2	-.6	.1	.2	12	20.3	120	98	50	6	0	2	0	0	0	
FL APALACHICOLA	89	73	93	69	81	1	3.7	2.6	2.0	8.9	369	25.9	131	3	0	3	2	0	0	
DAYTONA BEACH	87	71	93	70	79	0	.3	-1.2	.2	5.4	155	25.3	141	100	67	1	0	2	0	0	0	
JACKSONVILLE	90	70	95	67	80	1	5.6	4.3	2.5	11.8	379	26.1	132	99	68	4	0	5	3	0	0	
KEY WEST	90	81	92	77	86	3	.7	-1.2	.7	.1	2	10.6	76	77	63	5	0	1	0	0	0	
MIAMI	90	78	91	74	84	3	.5	-1.8	.3	3.0	53	21.1	99	85	60	5	0	3	0	0	0	
ORLANDO	92	72	96	70	82	1	3.3	1.5	1.3	10.1	243	24.8	137	97	61	5	0	4	3	0	0	
TALLAHASSEE	91	69	95	67	80	1	2.0	.4	.8	5.6	145	36.2	125	92	54	5	0	4	2	0	0	
TAMPA	92	72	94	71	82	1	2.3	1.0	1.1	3.7	119	12.0	78	93	60	6	0	5	2	0	0	
WEST PALM BEACH	88	76	89	70	82	1	2.0	.1	2.0	7.3	148	31.2	137	89	61	4	0	1	1	0	0	
GA ATLANTA	90	72	93	70	81	5	.2	-.6	.1	.5	24	21.0	81	94	54	4	0	2	0	0	0	
AUGUSTA	90	67	91	66	79	1	1.3	.4	1.0	2.7	108	19.3	86	99	56	6	0	5	1	0	0	
MACON	88	68	92	66	78	0	1.1	.3	.5	3.5	168	21.7	94	99	60	2	0	5	0	0	0	
SAVANNAH	89	72	92	70	81	2	2.6	1.3	1.1	5.8	178	23.3	111	97	63	4	0	5	2	0	0	
HI HILO	82	67	84	64	75	0	2.7	1.4	1.3	4.8	131	73.1	116	90	70	0	0	7	2	0	0	
HONOLULU	88	74	88	73	81	2	0	-.1	0	0	0	11.2	102	77	55	0	0	0	0	0	0	
KAHULUI	85	69	86	65	77	0	.7	-.1	.7	.1	59	7.7	61	78	58	0	0	0	0	0	0	
LINCOLN	82	73	83	71	78	0	.5	.1	.3	.5	46	17.5	83	86	74	0	0	2	0	0	0	
ID BOISE	76	49	87	42	62	-4	.2	-.2	.2	.2	44	4.9	73	76	21	0	0	0	0	0	0	
LEWISTON	72	49	83	43	61	-6	.1	-.2	.1	.4	55	5.1	78	69	29	0	0	1	0	0	0	
POCAHONTO	76	45	86	33	61	-2	0	-.2	0	.1	11	4.1	64	85	23	0	0	0	0	0	0	
IL CHICAGO	93	69	95	60	81	12	1.4	.5	.9	1.6	71	10.1	68	86	43	6	0	3	1	0	0	
MOLINE	92	69	98	59	81	9	.6	-.4	.6	2.1	82	10.7	65	89	51	6	0	1	1	0	0	
PEORIA	93	70	98	63	82	10	.1	-.8	.1	.5	31	9.4	60	89	46	6	0	1	0	0	0	
QUINCY	90	72	92	64	81	9	.1	-.8	.1	.9	40	10.4	62	79	47	6	0	1	0	0	0	
ROCKFORD	94	68	99	60	81	12	.4	-.6	.4	.7	24	9.9	67	88	37	5	0	2	0	0	0	
SPRINGFIELD	93	72	97	64	82	9	.7	-.8	.7	3.9	191	19.5	123	87	47	6	0	1	0	0	0	
IN EVANSVILLE	95	72	97	65	84	8	.1	-.8	.1	.5	24	14.7	66	87	42	7	0	1	0	0	0	
FORT WAYNE	93	69	98	62	81	11	.6	-.2	.3	1.1	50	13.6	87	92	48	6	0	4	0	0	0	
INDIANAPOLIS	91	69	96	63	80	8	1.5	.7	1.3	1.7	82	14.3	78	85	48	5	0	3	1	0	0	
SOUTH BEND	92	69	96	60	81	12	.9	-.1	.5	1.2	48	9.5	57	90	48	5	0	2	1	0	0	
IA DES MOINES	88	70	91	59	79	9	1.4	.3	1.1	3.6	131	11.2	76	86	58	3	0	4	1	0	0	
SIOUX CITY	88	68	95	58	78	7	1.2	.3	.8	2.8	125	7.9	69	87	50	5	0	3	1	0	0	
WATERLOO	90	70	92	59	80	10	1.3	.2	1.1	1.5	56	8.5	60	87	50	5	0	2	1	0	0	
KS CONCORDIA	92	71	97	63	82	8	.6	-.4	.6	2.3	83	6.5	50	83	40	5	0	0	0	0	0	
DODGE CITY	97	68	102	63	83	8	0	-.7	0	.5	25	4.2	43	83	32	7	0	0	0	0	0	
GOODLAND	93	60	100	53	77	8	0	-.7	0	.8	42	5.7	66	87	29	6	0	0	0	0	0	
TOPEKA	91	72	93	67	81	8	.2	-1.2	.2	.7	20	7.4	48	86	46	5	0	1	0	0	0	
WICHITA	92	72	96	68	82	7	0	-1.3	0	2.3	67	7.2	47	86	45	6	0	0	0	0	0	
KY BOWLING GREEN	91	69	94	65	80	6	.3	-.7	.2	3.0	120	30.7	124	99	56	6	0	2	0	0	0	
LEXINGTON	91	69	95	63	80	8	.1	-.8	.1	.9	41	26.7	127	90	48	5	0	1	0	0	0	
LOUISVILLE	94	71	97	65	83	9	.4	-.4	.4	.7	33	19.1	88	90	45	7	0	1	0	0	0	
LA BATON ROUGE	89	72	92	71	81	0	.8	-.2	.6	3.8	152	31.7	113	100	62	5	0	2	1	0	0	
LAKE CHARLES	90	76	95	72	83	2	1.0	-.1	1.0	3.3	110	16.6	71	98	64	6	0	2	1	0	0	
NEW ORLEANS	91	72	95	69	82	2	1.7	.4	1.2	6.0	177	21.2	74	96	55	5	0	2	2	0	0	
SHREVEPORT	91	72	93	70	81	3	.2	-.8	.1	1.5	54	23.3	94	96	58	6	0	3	0	0	0	

Based on 1961-90 normals.

Weather Data for the Week Ending June 18, 1994

STATES AND STATIONS	TEMPERATURE °F							PRECIPITATION							RELATIVE HUMIDITY, PERCENT	NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE		MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.
															.01 INCH OR MORE					.50 INCH OR MORE		
ME CARIBOU	80	60	89	53	70	9	.9	.3	.9	2.1	126	17.6	126	90	50	0	0	4	1			
PORTLAND	78	60	87	56	69	7	.5	.3	.3	.8	36	21.9	108	96	67	0	0	2	0			
MD BALTIMORE	94	70	101	65	82	10	.4	.8	.1	4	23.0	124	95	49	6	0	0	1	0			
SALISBURY	91	70	98	67	81	9	.4	.4	.3	4	20	22.6	112	97	50	5	0	2	0			
MA BOSTON	82	63	94	55	72	5	.3	.4	.3	4	20	23.7	121	91	66	1	0	1	0			
CHAPEL	70	57	73	55	64	3	.6	.0	.0	1.2	60	27.0	128	99	89	0	0	3	1			
MI ALPENA	86	58	96	51	72	10	.6	.6	.6	1.2	43	9.3	78	94	51	4	0	1	1			
DETOIT	93	70	99	61	81	14	1.0	.2	1.0	1.2	57	12.9	92	85	48	4	0	1	1			
FLINT	88	65	97	57	77	11	1.0	.4	1.0	1.2	58	11.2	91	90	48	4	0	1	1			
GRAND RAPIDS	90	66	96	57	78	11	1.3	.4	1.2	1.9	82	13.6	93	92	48	4	0	2	1			
HOOVERTON LAKE	88	62	97	49	75	12	.3	.5	.2	.3	15	9.3	83	89	48	4	0	2	0			
LANSING	89	64	98	55	77	10	1.1	.3	1.1	1.5	72	11.1	87	96	45	4	0	1	1			
MARQUETTE	80	56	91	52	68	9	1.7	.9	.8	2.4	112	11.4	79	93	43	2	0	5	2			
MORSEON	86	63	91	54	74	9	.3	.0	.0	.7	50	11.1	83	89	54	2	0	1	1			
SAULT ST. MARIE	78	53	91	46	66	8	1.7	1.0	1.4	1.8	94	11.8	88	94	50	1	0	3	1			
MN ALEXANDRIA	76	59	97	51	67	2	.8	.2	.2	.9	35	7.0	66	96	57	1	0	5	0			
DULUTH	74	55	83	52	65	5	2.1	1.2	.9	2.6	114	12.2	106	90	43	0	0	4	2			
INT'L FALLS	76	54	86	47	65	3	1.1	.2	.5	2.1	93	6.6	74	93	53	0	0	5	5			
MINNEAPOLIS	85	64	95	52	74	6	1.0	.1	.7	3.0	121	11.2	93	87	58	1	0	3	1			
ROCKSPER	86	67	90	55	77	10	.8	.1	.5	2.2	101	12.6	109	88	58	1	0	1	0			
MS GREENWOOD	93	73	97	71	83	4	.2	-1.0	.2	2.9	111	22.3	79	93	51	7	0	0	0			
JACKSON	90	71	95	68	80	2	.2	-0.6	.2	2.3	116	29.0	99	95	60	5	0	0	0			
MERIDIAN	92	71	96	68	82	3	.4	-0.5	.2	3.9	185	34.3	117	93	51	6	0	2	0			
MO CAPE GIRARDEAU	93	71	95	64	82	6	.5	-0.3	.4	1.8	80	20.5	89	92	48	6	0	2	0			
COLUMBIA	91	69	93	65	80	8	.2	-0.9	.2	1.2	50	19.5	113	93	55	0	0	0	0			
KANSAS CITY	91	73	94	68	82	9	.2	-1.1	.2	1.7	60	12.4	79	83	53	6	0	1	0			
SALTF LOUIS	94	76	96	73	85	9	.1	-0.8	.1	.8	37	17.7	103	80	43	7	0	1	0			
SPRINGFIELD	89	71	92	68	80	8	.1	-1.1	.1	3.2	98	24.5	125	89	53	2	0	2	0			
MT BILLINGS	71	48	80	40	60	-5	.7	.2	.4	1.7	129	6.5	77	88	38	0	0	5	0			
GLASGOW	66	49	73	41	58	-7	.6	.1	.4	2.2	168	5.9	125	91	54	0	0	4	0			
GREAT FALLS	66	41	78	33	53	-8	1.2	.7	.8	1.5	94	6.4	79	83	37	0	0	3	1			
HAVRE	66	45	76	34	55	-8	.1	-0.3	.1	2.2	203	3.1	59	89	40	0	0	3	0			
HELENA	69	43	83	35	56	-6	.7	.2	.4	.8	67	4.4	77	83	37	0	0	3	0			
KALISPELL	64	43	73	35	53	-4	.4	.2	.3	1.7	121	6.6	82	89	46	0	0	4	0			
MILES CITY	73	52	81	44	63	-4	-1	-0.5	.1	.9	53	5.0	72	91	43	0	0	3	0			
MISSOULA	67	44	78	38	55	-4	.8	.4	.4	1.3	117	7.4	108	90	40	0	0	5	0			
NE GRAND ISLAND	91	69	97	65	80	8	.2	-0.9	.2	2.5	100	8.2	69	87	50	4	0	1	0			
LINCOLN	91	71	94	64	81	8	.2	-0.9	.2	2.1	87	6.5	52	83	49	5	0	0	0			
NORFOLK	91	68	98	60	80	9	3.3	2.2	3.3	4.4	160	9.1	77	83	50	4	0	1	1			
NORTH PLATTE	87	62	97	59	75	7	.2	-0.8	.2	3.6	173	7.1	74	87	53	3	0	0	0			
OMAHA	90	72	94	61	81	9	.0	-0.9	.0	4.3	175	9.6	74	87	53	3	0	0	0			
SCOTTSSBLUFF	87	56	100	50	72	4	.2	-0.6	.2	.2	12	5.3	67	83	32	3	0	0	0			
VALENTINE	78	57	90	50	68	-2	.2	-0.6	.2	.7	34	4.7	47	82	49	1	0	2	0			
NV RLY	84	42	89	29	63	3	.0	-0.2	.0	.2	0	5.4	108	82	11	0	2	0	0			
LAS VEGAS	101	76	105	71	89	4	.0	.0	.0	.0	0	.7	35	25	10	7	0	0	0			
RENO	81	49	89	41	65	0	.0	-0.1	.0	.0	0	3.1	74	82	12	0	0	0	0			
WINNEMOCCA	80	49	92	44	65	1	.0	-0.2	.0	.0	0	4.4	99	83	11	1	0	0	0			
NH CONCORD	88	62	98	57	75	11	.6	-0.2	.4	.8	40	16.8	107	97	47	2	0	3	0			
NJ ATLANTIC CITY	85	68	96	67	77	7	.2	-0.4	.2	.5	31	22.9	123	95	66	1	0	1	0			
NM ALBUQUERQUE	95	65	97	60	80	6	.2	-0.1	.2	.2	0	2.8	104	29	10	7	0	0	0			
CLOVIS	96	63	100	62	80	6	.2	-0.7	.2	.9	54	5.4	92	80	16	7	0	0	0			
ROSWELL	100	68	103	66	84	6	.0	-0.4	.0	.1	12	5.0	140	69	15	7	0	0	0			
NY ALBANY	87	66	95	59	77	10	2.0	1.2	1.0	2.3	103	18.3	113	94	52	3	0	3	2			
BINGHAMTON	85	64	89	54	75	10	1.7	.8	1.2	3.0	138	18.9	117	97	55	0	0	2	1			
BUFFALO	88	68	95	59	78	12	.7	-0.2	.6	.7	32	15.2	96	93	54	4	0	2	1			
NEW YORK	88	68	95	65	78	7	.2	-0.7	.2	.4	21	21.1	110	92	58	3	0	1	0			
ROCHESTER	89	64	95	59	77	11	.3	-0.4	.3	.3	17	13.0	95	92	50	4	0	2	0			
SYRACUSE	89	63	93	55	76	10	.3	-0.6	.2	.3	12	19.0	118	94	53	3	0	2	0			
NC ASHEVILLE	83	64	85	61	74	4	.7	-0.4	.5	2.3	77	25.3	98	98	60	0	0	4	0			
CHARLOTTE	92	70	97	67	81	5	1.0	.3	1.0	2.4	116	17.2	84	93	49	6	0	2	1			
GREENSBORO	89	67	93	65	78	5	.8	-0.1	.5	1.4	61	15.7	81	97	51	3	0	2	1			
HATTERAS	89	70	91	67	80	5	.2	-0.8	.2	.9	38	24.3	103	97	65	2	0	1	0			
NEW BERN	92	70	96	67	81	5	.2	-1.2	.2	.7	22	17.7	76	100	50	6	0	1	0			
RALEIGH	91	69	96	67	80	5	.6	-0.3	.6	1.4	63	17.5	89	96	55	4	0	1	0			
WILMINGTON	90	70	93	68	80	4	.2	-1.1	.2	1.5	54	23.5	101	99	52	4	0	0	0			
ND BISMARCK	73	52	78	48	62	-2	1.0	.4	.6	3.2	196	6.5	91	94	54	0	0	4	1			
FARGO	78	56	92	50	67	2	.3	-0.4	.3	1.1	67	6.8	83	85	49	1	0	2	1			
GRAND FORKS	76	56	83	52	66	2	2.6	2.0	2.6	3.0	179	7.1	98	90	46	0	0	2	0			
WILLISTON	68	47	71	42	57	-7	.5	-1.1	.3	3.7	273	9.9	157	92	62	0	0	4	0			
OH AERON-CANTON	89	66	93	57	78	10	.2	-0.6	.2	.4	20	18.4	112	90	51	4	0	2	0			
CINCINNATI	92	69	96	62	80	9	.1	-0.8	.1	1.3	55	16.9	85	90	46	5	0	4	0			
CLEVELAND	91	67	94	58	79	11	.1	-0.7	.1	.2	7	10.2	64	87	46	6	0	1	0			
COLUMBUS	93	69	98	58	81	12	.2	-0.9	.2	.0	12.7	74	85	42	6	0	0	0	0			
DAYTON	93	69	98	63	81	11	.1	-0.8	.1	.7	32	16.0	92	84	40	6	0	3	0			

Based on 1961-90 normals.

Weather Data for the Week Ending June 18, 1994

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	94	67	99	63	81	13	.1	.8	.1	.1	3	12.8	90	91	43	6	0	1	0		
YOUNGSTOWN	91	64	95	60	78	11	.3	.3	.5	19	16.4	101	92	46	4	0	1	0			
OK OKLAHOMA CITY	90	68	93	62	79	3	.3	.4	.7	25	12.7	79	92	50	6	0	0	0			
TULSA	90	73	91	69	82	4	.1	.1	2.8	96	18.4	96	87	50	5	0	1	0			
OR ASTORIA	61	50	64	45	56	-1	1.2	.7	4.4	140	33.7	100	97	67	0	0	4	0			
BURNS	68	38	83	29	53	-5	.5	.3	.5	91	2.9	59	77	24	0	2	1	0			
MEDFORD	74	48	85	41	61	-6	.4	.1	.1	29	4.9	54	89	28	0	0	1	0			
PENDLETON	72	49	80	44	60	-6	.1	.0	.1	174	7.6	120	82	26	0	0	4	0			
PORTLAND	69	52	73	50	61	-3	.4	.0	1.6	161	14.4	79	91	41	0	0	6	0			
SALM	70	48	76	42	59	-3	.3	.0	1.2	130	16.0	81	90	44	0	0	4	0			
PA ALLENTOWN	89	69	95	62	79	9	.2	.7	2.1	93	22.3	115	96	62	4	0	2	0			
ERIE	86	69	91	62	78	11	2.7	1.7	2.7	114	16.6	100	90	59	1	0	1	1			
HARRISBURG	92	71	98	66	81	10	.7	.2	.7	60	22.2	118	93	49	5	0	1	1			
PHILADELPHIA	91	73	100	70	82	12	.5	.5	1.0	39	21.5	104	92	55	5	0	1	0			
PITTSBURGH	94	67	97	61	80	12	.3	.6	.4	16	17.7	103	88	41	6	0	3	0			
SCRANTON	89	66	93	58	77	10	1.0	.0	.5	72	17.6	111	99	55	4	0	3	0			
RI PROVIDENCE	82	63	92	59	72	5	2.0	1.2	1.5	2.2	108	22.1	103	100	72	1	0	2	1		
SC CHARLESTON	88	72	91	69	80	2	1.6	.0	.8	5.4	147	21.2	99	97	62	2	0	2	2		
COLUMBIA	92	70	93	68	81	4	1.2	.1	.6	5.3	192	20.3	88	93	52	7	0	4	1		
FLORENCE	92	71	94	69	82	4	.1	.9	.1	1.7	67	16.9	86	96	48	6	0	1	0		
GREENVILLE	88	66	91	65	77	2	2.5	1.4	1.7	6.9	241	23.1	92	95	55	1	0	4	1		
SD ABERDEEN	79	57	88	52	68	1	.8	.0	.6	1.1	55	5.4	60	91	51	0	0	2	1		
BURON	77	58	90	53	68	0	2.0	1.2	.9	4.2	20.5	108	90	63	1	0	4	2			
RAPID CITY	81	53	99	48	67	2	.3	.5	.2	.4	23	4.6	55	80	36	1	0	2	0		
SIOUX FALLS	84	65	98	61	75	7	.3	.5	.1	3.3	159	9.7	93	92	61	1	0	3	0		
TX CHATTANOOGA	90	68	92	67	79	4	1.7	.9	.9	3.0	148	36.9	139	98	51	4	0	6	2		
KNOXVILLE	89	67	90	65	78	5	2.3	1.4	1.1	3.6	154	42.2	180	97	52	2	0	4	3		
MEMPHIS	93	74	97	73	84	5	.9	.0	.9	3.9	179	27.7	106	86	50	7	0	1	1		
NASHVILLE	90	70	94	67	80	4	.1	.7	.0	2.6	119	30.2	128	94	55	3	0	2	0		
TX ABILENE	90	71	92	68	80	0	.0	.7	.0	.0	14.4	141	95	43	6	0	0	0	0		
AMARILLO	96	67	102	64	81	7	.4	.9	.9	38	5.7	73	77	24	7	0	1	0			
AUSTIN	93	73	97	70	83	2	.4	.5	.2	.4	14	11.0	71	92	51	6	0	3	0		
BEAUMONT	91	77	95	72	84	3	5.0	3.7	4.2	6.1	178	32.3	134	97	65	6	0	2	2		
BROWNSVILLE	88	76	91	73	82	-1	2.1	1.5	1.0	2.2	124	8.4	89	95	66	3	0	3	2		
CORPUS CHRISTI	89	75	91	73	82	0	1.2	.4	.6	2.1	96	13.7	116	96	63	3	0	3	2		
DEL RIO	93	74	96	71	84	2	.4	.7	.4	.0	9.6	87	88	53	6	0	0	0	0		
EL PASO	102	77	106	73	90	9	.4	.7	.7	216	2.8	143	137	14	7	0	0	0	0		
FORT WORTH	91	73	96	67	82	3	.9	.2	.9	1.4	62	15.9	86	95	55	6	0	1	1		
GALVESTON	90	81	91	77	85	4	.9	.4	.9	3.3	10.1	61	85	66	4	0	1	0	0		
HOUSTON	93	76	97	72	85	4	.1	1.4	.1	1.6	42	16.0	69	92	58	6	0	2	0		
LUBBOCK	96	68	100	65	82	4	.4	.7	.3	.0	8.1	117	95	30	7	0	0	0	0		
MIDLAND	95	68	97	63	82	2	.2	.3	.7	1.0	112	3.4	63	95	33	7	0	0	0	0	
SAN ANGELO	92	72	94	69	82	2	.2	.6	.7	.8	49	7.1	79	92	43	6	0	0	0	0	
SAN ANTONIO	91	75	95	71	83	1	.9	.0	.5	1.0	40	17.5	123	89	52	5	0	3	0		
VICTORIA	90	75	94	71	82	2	1.2	.1	1.1	2.6	94	16.2	88	96	54	3	0	3	1		
WACO	91	73	94	67	82	0	.2	.6	.2	1.2	57	17.6	110	94	52	5	0	2	0		
WICHITA FALLS	92	71	93	64	81	3	.4	.9	.7	.0	6.2	40	90	45	6	0	1	0	0		
UT CEDAR CITY	87	61	92	51	74	7	.0	.1	.0	.0	3.9	76	29	11	1	0	0	0	0		
SALT LAKE CITY	88	60	97	49	74	5	.0	.2	.0	.0	7.7	87	75	17	3	0	0	0	0		
VT BURLINGTON	88	66	97	59	77	12	1.2	.3	1.0	2.6	124	16.8	124	92	47	3	0	3	1		
VA NORFOLK	91	73	95	70	82	8	.4	.9	.6	25	22.7	114	91	54	5	0	0	0	0		
RICHMOND	93	69	99	67	81	7	.3	.5	.3	.4	21	21.0	111	90	15	5	0	1	0		
ROANOKE	91	66	95	63	79	7	.1	.6	.1	.5	28	23.4	128	93	49	5	0	2	0		
WA QUILLAYOTE	61	48	65	46	54	-1	2.6	1.9	1.0	3.8	187	53.1	99	97	69	0	0	5	3		
SEATTLE-TACOMA	65	51	72	47	58	-3	.8	.5	.3	1.3	130	15.1	84	90	54	0	0	5	0		
SPOKANE	69	44	75	38	57	-5	.1	.2	.1	.6	78	5.9	70	86	36	0	0	3	0		
YAKIMA	73	44	81	35	59	-6	.1	.0	.1	.5	131	4.1	102	86	31	0	0	1	0		
WV BECKLEY	86	62	89	59	74	7	.1	.8	.1	2.6	119	27.0	143	88	47	0	0	1	0		
CHARLESTON	91	66	94	61	78	7	.4	.8	.7	1.9	94	29.4	156	96	48	6	0	0	0		
HUNTINGTON	93	68	97	62	81	11	.4	.8	.7	.3	17	25.6	132	90	43	6	0	0	0		
PARKERSBURG	92	68	95	61	80	9	.4	.8	.7	.5	24	25.1	130	94	44	6	0	1	0		
WI GREEN BAY	88	65	94	55	77	12	.7	.1	.7	1.6	79	12.9	113	90	54	4	0	3	1		
LACROSSE	91	71	95	57	81	12	.0	.0	.0	.0	.0	.0	.0	.0	83	44	5	0	3	1	
MADISON	92	68	99	62	80	12	.9	.0	.5	1.5	67	10.0	77	86	43	5	0	3	1		
MILWAUKEE	94	67	100	55	81	16	.2	.6	.2	.5	28	10.5	75	83	42	6	0	1	0		
WAUSAU	88	66	94	55	77	12	.6	.3	.2	1.1	45	8.2	66	87	41	3	0	3	0		
WY CASPER	82	52	97	48	67	5	.4	.3	.4	.0	4	2.9	44	89	24	2	0	1	0		
CHEYENNE	81	52	87	44	66	5	.4	.5	.4	1.1	82	6.6	97	87	32	0	0	0	0		
LANDER	79	51	90	41	65	2	.1	.2	.1	.2	18	4.6	60	68	24	1	0	1	0		
SHERIDAN	70	47	83	40	58	-4	.6	.1	.5	1.6	107	7.7	97	86	48	0	0	2	1		

Based on 1961-90 normals.

CUMULATIVE GROWING DEGREE DAYS (CORN*) March 1 - June 18, 1994

STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL
AL ABNISTON	1861	+ 142	RUSSELL	1470	+ 291	YOUNGSTOWN	835	+ 55
BIRMINGHAM	1855	+ 112	SALINA	1492	+ 254	ZANESVILLE	988	+ 5
MOBILE	2215	+ 67	TOPEKA/BILLARD	1398	+ 159	OK ALTUS	1846	+ 51
MONTGOMERY	2113	+ 255	WICHITA	1522	+ 126	GAGE	1624	+ 185
MUSCLE SHOALS	1751	+ 131	KY LEXINGTON	1229	+ 17	HOBART	1735	+ 138
OSARK	2118	+ 100	BOWLING GREEN	1422	+ 44	MCALESTER	1807	+ 125
TUSCALOOSA	1954	+ 109	PADUCAH	1510	+ 58	PONCA CITY	1742	+ 257
AZ DOUGLAS	1849	+ 225	LA LAFAYETTE	2310	+ 113	TULSA	1713	+ 103
FLAGSTAFF	---	---	LAKE CHARLES	2331	+ 158	OR BAKER	796	+ 173
PHOENIX	2428	+ 320	MONROE	2163	+ 216	EGGERS	882	+ 174
TUCSON	2175	+ 267	NEW ORLEANS	2312	+ 106	NORTH BEND	588	+ 169
YUMA	2661	+ 404	SHREVEPORT	2073	+ 94	PENDLETON	986	+ 164
AR PRESCOTT	1266	+ 254	ME AUGUSTA	532	+ 7	REDMOND	754	+ 92
EL DORADO	1937	+ 115	CARIBOU	430	+ 52	PORTLAND	968	+ 261
FAYETTEVILLE	1557	+ 164	HOULTON	460	+ 24	SALLEN	965	+ 269
FORT SMITH	1856	+ 209	PORTLAND	540	+ 17	SHEPSON SUMMIT	414	+ 10
JONESBORO	1708	+ 72	MD SALISBURY	1300	+ 187	PA ALLENTOWN	1034	+ 152
LITTLE ROCK	1856	+ 126	MA WORCESTER	664	+ 56	PHILADELPHIA	1253	+ 279
TEXARKANA	1978	+ 93	MI GRAND RAPIDS	846	---	WILLIAMSPORT	976	+ 123
CA BAKERSFIELD	1791	+ 91	JACKSON	872	+ 80	SC BRANTFORD	2195	+ 230
BLUE CANYON	460	- 1	LANSHING	840	+ 18	CHARLESTON	2117	+ 235
DAGGERT	2080	+ 244	MUSKOGEE	676	+ 28	COLUMBIA	2032	+ 217
EUREKA	601	+ 288	PELLSTON	610	+ 90	FLORENCE	1989	+ 193
FAIRFIELD	1439	+ 185	SAULT STE. MARIE	438	+ 43	SUMMIT/SHAW AFB	1914	+ 70
FRESNO	1739	+ 244	TRAVERSE CITY	702	+ 102	SD ABERDEEN	984	+ 288
MARYSVILLE	1646	+ 185	MN DULUTH	538	+ 130	HURON	964	+ 172
MT SEBAST	788	+ 127	INT'L FALLS	610	+ 107	PIERRE	1066	+ 254
PASO ROBLES	1515	+ 250	MINNEAPOLIS	890	---	RAPID CITY	1017	+ 293
RED BLUFF	1558	+ 112	ROCHESTER	859	---	STOCK FALLS	1078	+ 256
RIVERSIDE	1460	- 16	ALEXANDRIA	763	+ 139	WATERFALLS	800	+ 140
SANTA ANA	1725	+ 331	MS BILOXI	2312	+ 132	TX BRISTOL	1335	+ 74
SAN DIEGO	1349	+ 80	COLUMBUS	2123	+ 347	CHATTANOOGA	1681	+ 161
SACRAMENTO	1489	+ 172	JACKSON	1985	+ 119	CROSSVILLE	1363	+ 247
THERMAL	2307	+ 68	MERIDIAN	2126	+ 237	MURKIN	1937	+ 217
CO ALAMOGA	753	+ 92	GREENWOOD	2044	+ 183	MARSHVILLE	1574	+ 52
DENVER	1245	+ 378	MO COLUMBIA	1279	+ 112	ASHVILLE	1979	+ 70
EAGLE	807	+ 113	JOPLIN	1556	+ 152	AMARILLO	1499	+ 134
GRAND JUNCTION	1368	+ 228	SPRINGFIELD	1466	+ 164	AUSTIN	2328	+ 139
LA JUNTA	1414	+ 204	VT FLYING	1341	+ 79	BROWNVILLE	2751	+ 44
DOVER	1103	- 75	MT HELIX	770	+ 221	COLLEGE STATION	2291	+ 144
WILMINGTON	1165	+ 151	KALISPELL	588	+ 16	DALHART	1479	+ 204
FL DAYTONA BEACH	2463	+ 178	MILLS CITY	971	+ 233	DEL RIO	2510	+ 208
FORT MYERS	2859	+ 284	NE GRAND ISLAND	1256	+ 267	DALLAS/FT WORTH	2091	+ 144
GAINESVILLE	2300	+ 6	NORFOLK	1249	+ 317	GALLSVILLE	2532	+ 270
JACKSONVILLE	2278	+ 115	NORTH PLATTE	1208	+ 311	HOOVERTON/INTCOWL	2410	+ 247
FORT LAUDERDALE	3104	+ 395	VALENTINE	1102	+ 201	KINGSVILLE/MAS	2666	+ 89
MILAMI	3087	+ 275	SCOTTSDUFF	1179	+ 330	LAREDO	2770	+ 115
MILTON	2207	+ 122	SDENNY	1109	+ 352	LUBBOCK	1807	+ 191
PENSACOLA	2285	+ 124	NV ELKO	866	+ 173	MCALLEN	2860	+ 210
ST PETERSBURG	2744	+ 118	ELY	841	+ 217	MIDLAND	1967	+ 35
TALLAHASSEE	2262	+ 151	LAS VEGAS	2238	+ 417	PALACIOS	2408	+ 71
TAMPA	2707	+ 241	RENO	1130	+ 233	SAN ANTONIO	2432	+ 165
VERO BEACH	2702	+ 242	WINNEBOCCA	1091	+ 245	VICTORIA	2439	+ 152
GA W. PALM BEACH	2883	+ 178	NE CONCORD	772	+ 95	WACO	2115	+ 34
ATHENS	1830	+ 194	WJ NEWARK	1221	+ 263	WICHITA FALLS	1853	+ 48
AUGUSTA	1949	+ 155	MM ALBUQUERQUE	1559	+ 241	WINK	2101	+ 166
BROWNWICK	2247	+ 165	CB BRAD	2092	+ 272	UT CEDAR CITY	1122	+ 264
COLUMBUS/METRO	2087	+ 193	CLOVIS	1544	+ 160	VT BARRÉ-MONTPELIER	602	+ 84
MACON	2035	+ 118	GALLUP	1114	+ 149	BURLINGTON	695	+ 86
SAVANNAH	2233	+ 237	TRUTH OR CONSEQ.	1716	+ 175	VA CHARLOTTESVILLE	1421	+ 140
ID BOISE	1083	+ 269	NY ALBANY	805	+ 62	HAMPTON/LANGLAY	1477	+ 170
BURLEY	1049	+ 352	ELMIRA	794	+ 64	LYNCHBURG	1308	+ 74
IDARO FALLS	891	+ 300	GLENN FALLS	749	+ 93	NORFOLK	1618	+ 274
POCATELLO	952	+ 314	POUGHKEEPSIE	884	+ 82	RICHMOND	1508	+ 138
IL BELLEVILLE	1328	+ 37	ROCHESTER	733	+ 24	WA BELLINGHAM	626	+ 171
CHICAGO/MIDWAY	994	+ 95	SYRACUSE	719	+ 16	BOQUIAM	548	+ 136
DECATUR	1088	- 79	UTICA	677	+ 42	SEATTLE-TACOMA	742	+ 207
PRORIA	1141	+ 153	NC WATERFORD	635	+ 20	SPOKANE	732	+ 152
ROCKFORD	1029	+ 193	ASHEVILLE	1311	+ 80	TACOMA	769	+ 152
SPRINGFIELD	1200	+ 76	FAYETTEVILLE	1796	+ 173	WALLA WALLA	1174	+ 310
QUINCY	1122	+ 40	GREENSBORO	1484	+ 80	WENATCHEE	1080	+ 142
IN INDIANAPOLIS	1119	+ 48	HICKORY	1517	+ 118	YAKIMA	1045	+ 150
SOUTH BEND	970	+ 120	RALEIGH	1615	+ 131	WV HUNTINGTON	1289	+ 122
TERRE HAUTE	1170	+ 68	WILMINGTON	1863	+ 190	MARTINSBURG	1118	+ 52
IA DES MOINES	1137	+ 74	NEW BERN	1757	+ 109	MORGANTOWN	1074	+ 17
MASON CITY	997	+ 139	ND BISMARCK	839	+ 191	WI EAU CLAIRE	865	+ 149
OTTUMWA	1147	+ 140	DICKINSON	720	+ 133	GREEN BAY	798	+ 176
STOUC CITY	1187	---	JAMESTOWN	783	+ 153	LACROSSE	969	+ 162
WATERLOO	1081	---	MINOT	716	+ 143	MADISON	962	+ 171
KS CHANUTE	1444	+ 101	GRAND FORKS	769	+ 160	WAUSAU	787	+ 156
DODGE CITY	1449	+ 220	OH AKRON-CANTON	854	+ 9	WY CASPER	1066	+ 447
GARDEN CITY	1449	+ 228	COLUMBUS	1068	+ 57	LANDER	957	+ 371
GOODLAND	1240	+ 272	DAYTON	1061	+ 36	SHERIDAN	888	+ 270
MEDICINE LODGE	1636	+ 176	FINDLAY	911	+ 35	WORLDAND	1137	+ 391

Based on 1951-80 normals.

* Growing degree days for corn are computed to a 50°F base with the daily maximum temperature limited to 86°F or lower, and the daily minimum to 50°F or higher.

National Agricultural Summary

June 13 - 19, 1994

HIGHLIGHTS: Intense heat across the middle Mississippi and Ohio Valleys stressed field crops. Crops have withstood the dry conditions in Ohio and Kentucky, where some areas have received less than 1 inch of rain for the past month. Crops in the western Corn Belt and Southern States received much-needed rainfall that advanced crop growth and development. Hot weather combined with precipitation encouraged cotton development and dried-down the small grains. The wheat crop in Kansas was turning color, and the favorable weather conditions, combined with the threat of delays or damage from bad weather, caused the harvest to proceed quickly. Severe weather in Iowa produced hail, which caused some replanting of soybeans and corn. Despite localized thunderstorms, Pennsylvania reported the hottest week of the season. Weedy fields remained a concern for producers throughout the Nation. Rain in the Pacific Northwest interrupted the hay harvest but sustained the small grains.

SMALL GRAINS: The winter wheat condition for the major producing States was mostly fair, but was below the comparable condition for last year. Winter wheat harvested was 24 percent (%) complete, 5 percentage points ahead of the 5-year average and 14 points ahead of last year. The winter wheat harvested increased 44 points from last week in Oklahoma, to 75% complete. Kansas harvested 25% of their winter wheat last week and were 10 points ahead of the average. Spraying for armyworms continued in Illinois but at a reduced rate from the previous week. Russian wheat aphids were reported in Oregon's Columbia Basin.

The spring wheat crop was mostly good for the five major producing States. Spring wheat was 15% headed, up 12 points from last week and equal to the average.

FIELD CROPS: Corn condition was mostly good, up slightly from last year. Precipitation helped the corn in the western and central Corn Belt, while the Eastern region remained dry. The average corn height ranged from 9 inches in Pennsylvania to 24 inches in Iowa. Southeastern Kansas and Oklahoma producers reported corn was beginning to silk. Insect problems continued to be treated as necessary in parts of the Midwest.

Cotton squaring for the 14 major producing States was 39% complete, 12 points ahead of normal and up 16 points from the previous week. Cotton squaring passed the halfway mark for Arizona, Arkansas, Georgia, Louisiana, and Mississippi. Tennessee's cotton squaring increased 37 points last week, to 45% squared. Georgia reported 3% of their cotton setting bolls,

1 point ahead of the average. Cotton development was aided by the rain that helped keep temperatures down in the Southern States. Some young plants in Texas were damaged by high winds and blowing sand.

Sorghum condition was mostly good with planting 95% complete, a 7-point increase from last week, and 11 points ahead of normal. Louisiana, Mississippi, and Nebraska completed sorghum planting, with all three States ahead of the average. New Mexico reported a 27-point increase from last week for sorghum planted, while Kansas increased sorghum planting by 12 points from the previous week, 22 points ahead of the average. Nebraska sorghum was 99% emerged, 21 points ahead of last year.

Rice condition was mostly good, up sharply from the previous week with most of the increase coming from Mississippi and Texas. California rice fields were sprayed for weeds and pests. Rice fields in Texas began to head, and spraying for disease and insects continued in the Upper Coastal region.

Soybeans planted were 94% complete, 8 points ahead of the average. Soybeans planted increased 3 points from last week and were 12 points ahead of last year. Planting progress in South Carolina was behind the average by 8 points, while Kansas and Mississippi were above the average by 15 and 25 points, respectively. Plantings were 100% complete for Iowa, Michigan, and Ohio. Some soybean fields in Arkansas needed to be replanted because of insect damage. The average height of soybean plants in North Dakota was 6 inches, 1 inch above the average.

Crop Condition

for the Week Ending June 19, 1994

WINTER WHEAT

State	VP	P	F	G	EX
AR	0	1	31	60	8
CA	0	0	10	85	5
CO	10	16	35	34	5
GA	0	5	29	48	18
ID	1	2	17	62	18
IL	2	5	33	59	1
IN	0	2	29	65	4
KS	0	3	61	36	0
MI	1	4	30	55	10
MO	1	4	59	36	0
MT	0	8	23	52	17
NE	0	34	45	21	0
NC	0	0	24	64	12
OH	1	6	35	50	8
OK	8	12	45	35	0
OR	3	8	32	45	12
SD	2	5	36	52	5
TX	3	23	64	10	0
WA	1	15	30	50	4
19 State	3	10	46	38	3
Prev Week	3	10	45	38	4
Prev Year	1	3	26	57	13

CORN

State	VP	P	F	G	EX
CO	0	2	18	62	18
GA	0	1	17	68	14
IL	0	0	22	73	5
IN	0	5	45	47	3
IA	0	1	5	69	25
KS	0	1	30	68	1
KY	0	2	20	74	4
MI	1	4	30	50	15
MN	0	2	14	74	10
MO	0	3	45	48	4
NE	0	0	23	72	5
NC	0	5	25	66	4
OH	3	15	41	38	3
PA	1	3	24	53	19
SD	1	1	13	75	10
TX	0	0	17	70	13
WI	1	1	13	71	14
17 State	0	2	21	67	10
Prev Week	0	2	25	65	8
Prev Year	1	7	35	52	5

COTTON

State	VP	P	F	G	EX
AL	0	9	27	64	0
AZ	0	0	11	78	11
AR	0	6	14	80	0
CA	0	0	15	85	0
GA	0	0	16	70	14
LA	0	0	25	71	4
MS	0	0	16	83	1
MO	0	0	50	50	0
NM	0	14	43	43	0
NC	0	2	40	58	0
OK	0	0	49	51	0
SC	0	1	79	20	0
TN	0	0	13	87	0
TX	0	6	38	42	14
14 State	0	3	29	61	7
Prev Week	0	1	25	65	9
Prev Year	0	5	40	53	2

SORGHUM

State	VP	P	F	G	EX
AR	0	0	22	78	0
CO	5	18	45	32	0
IL	0	0	30	70	0
KS	0	0	37	63	0
LA	0	2	49	49	0
MS	0	0	41	45	14
MO	0	1	52	47	0
NE	0	0	27	71	2
NM	0	0	68	32	0
OK	0	0	20	80	0
SD	3	4	20	72	1
TX	0	1	29	61	9
12 State	0	1	33	63	3
Prev Week	N/A	N/A	N/A	N/A	N/A
Prev Year	0	5	27	56	12

SOYBEANS

State	VP	P	F	G	EX
AL	0	0	50	50	0
AR	0	0	29	71	0
GA	0	3	20	73	4
IL	0	0	29	67	4
IN	0	5	47	46	2
IA	0	0	13	74	13
KS	0	0	26	74	0
KY	0	1	29	65	5
LA	0	11	32	57	0
MI	3	7	30	50	10
MN	0	3	19	71	7
MS	0	0	36	54	10
MO	0	3	48	49	0
NE	0	0	31	68	1
NC	0	1	31	66	2
OH	2	12	42	40	4
SC	1	3	48	48	0
SD	0	4	16	75	5
TN	0	0	9	88	3
19 State	0	3	29	63	5
Prev Week	N/A	N/A	N/A	N/A	N/A
Prev Year	1	7	38	50	4

SPRING WHEAT

State	VP	P	F	G	EX
ID	1	1	22	65	11
MN	1	3	24	68	4
MT	1	7	24	50	18
ND	0	3	19	68	10
SD	1	7	38	53	1
5 State	0	4	23	64	9
Prev Week	0	3	20	65	12
Prev Year	0	3	13	70	14

RICE

State	VP	P	F	G	EX
AR	0	0	6	92	2
CA	0	0	15	75	10
LA	0	0	32	65	3
MS	0	0	15	85	0
TX	0	0	0	62	38
5 State	0	0	7	90	3
Prev Week	0	0	16	83	1
Prev Year	0	0	39	59	2

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

(Continued from front cover)

producing ridge of high pressure, significant moisture influx from the Gulf of Mexico and the Atlantic Ocean provided beneficial rain showers and cloudiness from eastern Texas to the Southeast.

In contrast, chilly air cloaked the Northwest, with temperatures up to 8°F below normal, scattered frost, and high-elevation snow. About a dozen daily record lows were established. In the northern Plains, Great Falls, MT bottomed out at 33°F on Wednesday and Friday. Notoriously cold western mountain valleys registered impressive lows: Wisdom, MT fell to 23°F on June 15, and Truckee, CA plummeted to 15°F a day later. Other notable daily record lows included 35°F in Yakima, WA on Wednesday, 42°F in Santa Maria, CA on Thursday, and 34°F in Pocatello, ID on Friday. In Wyoming's Big Horn Mountains, as much as 6 inches of snow blanketed areas above 8,000 feet at midweek.

But from southern Wisconsin and Illinois eastward, stifling heat held sway. Weekly temperatures averaged 16°F above normal in Milwaukee, WI and 14°F above normal in Detroit, MI. Mil-

waukee, which once went 32 years (1955 to 1987) without a 100-degree reading, touched the triple-digit mark on Thursday. Farther west, heat made a brief appearance before a slow-moving cold front nudged eastward. On Monday, Hays, KS registered 105°F. Scottsbluff, NE hit the 100-degree mark for the first time since August 25, 1991, a period of more than 1,000 days. Many other stations also notched their highest temperature since the summer of 1991, including Sault Sainte Marie, MI (91°F on Friday) and Green Bay, WI (94°F on Friday). Farther east, Newark, NJ (101°F on June 15) experienced its earliest triple-digit temperature on record. Also at midweek, Baltimore, MD, with 101°F, broke its June record. Extreme heat crept northward at week's end. On Saturday, Burlington, VT (97°F) tied its hottest June day on record. Buffalo, NY achieved its earliest ever string of 4 consecutive 90-degree days. Farther south, many cities ended the week with a 6-day string of highs at or above 90°F intact, including Moline, IL, Toledo, OH, and Washington, DC. Madison, WI closed the week with four consecutive daily record highs, while Beckley, WV set five records in 6 days. Even Fairbanks, AK got into the act, peaking at 90°F on Monday for a daily record high.

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 0.12 to 2.27 in. north; 0.06 to 2.79 in. central; 0.14 to 2.91 in. south. Temperatures 1° below normal to 5° above normal statewide. Lows 61 to 69° north; 61 to 68° central; 63 to 70° south. Highs 88 to 95° north; 90 to 96° central; 92 to 96° south.

Days suitable for fieldwork 4.8. Soil moisture 13% short, 62% adequate, 25% surplus. Corn silked 40%, 26% 1993, 57% avg.; dented 1%, 2% 1993, 3% avg.; 9% poor, 27% fair, 64% good. Sorghum planted 75%, 59% 1993, 77% avg.; 36% fair, 64% good. Peanuts pegged 9%, 4% 1993, 18% avg.; 32% fair, 68% good. Wheat turning color 95%, 93% 1993, 99% avg.; harvested 49%, 38% 1993, 63% avg. Hay first cutting 91%, 89% 1993, 86% avg. Pasture 31% fair, 60% good, 9% excellent. Livestock 17% fair, 73% good, 10% excellent. Seasonal activities: Planting sorghum, soybeans, vegetables.

ALASKA: Over the weekend, the Tanana Valley received some much-needed rain while light showers did little to alleviate dry soil conditions in the Matanuska Valley.

Days suitable for fieldwork 5. Crop growth 30% slow, 40% moderate, 30% rapid. Height of small grains 4 to 9 in., slightly less than last year. Commercial potato height averaged 2 in., compared to 5 in. 1993. Most barley, oats were in the pre-boot or earlier stages. Topsoil 40% short, 60% adequate. Subsoil 45% short, 55% adequate.

ARIZONA: Temperatures remain mostly above normal; 2° below to 7° above. Extremes 42°; 100° higher elevations; 57°; 114° deserts. Precipitation reported at a few stations; trace to 0.05 in.

Insect, weed pressure increases in cotton, crop continues mostly good; planted to date 100%, 100% 1993, 100% avg.; squaring 90%, 75% 1993, 78% avg. Weed infestations, insect, disease infestations are light to moderate. Small grains turning color 100%, 100% 1993, 100% avg.; harvested 86%, 85% 1993, 84% avg. Condition remains good. Alfalfa condition also good. Harvest progress moderate to active. Weed infestations, insect, disease infestations continue light. Citrus harvest nears completion. Grapefruit, valencia oranges, central, western groves. Grape harvest central, western vineyards. Vegetables harvested from central areas included cabbage, carrots, dry onions, green onions, mixed greens, potatoes, sweet corn. Cantaloupe, honeydew, watermelons available both areas. Dry onions, tomatoes available eastern areas.

ARKANSAS: Temperatures above normal with scattered showers. Extremes 64°; 98°. Precipitation none to 2.41 in.

Days suitable for fieldwork 6. Soil moisture 10% short, 80% adequate, 10% surplus. Crop development ahead of schedule. Wheat harvest slowed due to wet soil conditions. Cotton 95% emerged, 100% 1993, 100% avg. Soybeans replanted due to insect damage. Sunflowers in good condition. Peaches, blueberries, tomatoes, mostly good. Peach, Blueberry, Blackberry harvests ongoing. Hay harvest continuing. Alfalfa 7% poor, 21% fair, 72% good. Other hay 24% fair, 73% good, 3% excellent. Pasture 15% fair, 83% good, 2% excellent. Livestock good.

CALIFORNIA: The 12th had above normal temperatures. The 15th began a transition to cooler weather. A return to normal by the weekend.

Open weather permitted good progress field activities. Wheat, barley harvests full swing most areas. Rice sprayed weeds, shrimp, water weevils; growth improved, warmer temperatures. Cotton grew well. Fields irrigated, cultivated, thinned, weeded, treated aphids, lygus, mites, thrips, whitefly. Grain corn, silage corn planted. Emerged fields sprayed mites, weeds. Over-wintered sugarbeets harvested, new crop fields cultivated, treated aphids, mildew. Safflower, seed alfalfa irrigated, sprayed lygus. Safflower blooming southern counties. Alfalfa, small grains, sudangrass cut hay, greenchopped. Tree fruit maturing rapidly; high quality fruit. Peaches, plums, nectarines, apricots, table grapes, Valencia oranges, grapefruit, avocados harvested. Cherry harvest winding down; San Joaquin county. Heavy almond crop. Pest control; almond, apple, walnut orchards. Apples, table grapes, late peach varieties thinned. Kiwifruit sizing; heavy crop. Supplies asparagus light Delta area. Broccoli, Cauliflower light harvest central valley. Carrots packed Kern county, harvest completed Imperial County. Celery harvested central, south coast. Cucumbers harvested Fresno, Merced counties. Garlic harvested Tulare County. Harvest head lettuce shredding San Benito County. Some younger plants burned hot weather. Romaine lettuce moderate San Joaquin Valley. Leaf lettuce light. Cantaloupes, Honeydews, Watermelons harvested San Joaquin, Desert valleys. Harvest onions continued central valley, nearly completed desert areas. Peppers harvested Riverside County, planted central valley. Spring potatoes Kern County good quality. Fall potato planting

winding down Tulelake-Butte Valley. Squash harvest continued Tulare, Fresno counties. Harvest sweet corn desert winding down, while treatment earworms, harvest Fresno County. Harvest fresh market tomatoes San Joaquin Valley underway, wrapping up desert areas. Other crops harvested: radishes, string beans, turnips, taro root, tomatillos, oriental vegetables. Range and dry land pastures drying out, fire hazards. Lower range conditions mostly poor, upper ranges good. Lack of water reported few areas, water supplies remained mostly adequate. Feed quality lower rangelands continued deteriorating. Livestock movement lower elevations to higher summer pastures active. Cattle, sheep good condition.

COLORADO: Hot, dry weather continued at the beginning of the week. Record or near record high temperatures were established at many locations. A cool front pushed into the State on the night of the 14th. Severe weather returned on the 18th. Heavy rain, large hail were noted at some locations of the eastern plains. Temperatures 4 to 9° above normal.

Days suitable for fieldwork 6.4. Soil moisture 24% very short, 36% short, 40% adequate. Alfalfa first cutting 67% complete, 56% 1993, 48% avg. Spring barley 33% headed, 25% 1993, 35% avg.; 8% turning color, 4% 1993, 8% avg., condition 8% poor, 24% fair, 54% good, 14% excellent. Dry beans 98% planted, 86% 1993, 78% avg.; 73% emerged, 58% 1993, 46% avg. Oats 45% headed, 42% 1993, 44% avg.; 14% poor, 37% fair, 42% good, 7% excellent. Dry onion 1% very poor, 1% poor, 15% fair, 62% good, 21% excellent. Sugarbeets 93% thinned, 92% 1993, 83% avg.; 1% very poor, 7% poor, 39% fair, 51% good, 2% excellent. Spring wheat 18% headed, 11% 1993, 23% avg.; 1% very poor, 7% poor, 23% fair, 54% good, 15% excellent. Summer potatoes 1% very poor, 2% poor, 16% fair, 57% good, 24% excellent. Fall potatoes 88% emerged, 70% 1993, 66% avg.; 18% fair, 62% good, 18% excellent. Winter wheat 65% turning color, 42% 1993, 41% avg. Dry weather conditions continue to stress non-irrigated crops. Wheat especially affected by dry, hot weather; condition deteriorating. Livestock mostly good. Pasture, range feed condition fair to good, except east-central, northeast Plains where it is poor.

FLORIDA: Temperatures within 1 to 3° of normal. Highs; low to upper 90s. Lows; mid 60s to mid 70s. Rain on 3 to 6 days, totals highly variable. Some reports from less than 1.00 in. to over 5.00 in.

Soil moisture mostly adequate to surplus panhandle, north peninsula. Central peninsula moisture short to adequate. Southern peninsula adequate moisture with scattered areas surplus. Wet soil delaying soybean planting, completion of peanut, cotton planting. Tobacco harvest active. Corn, sugarcane making good progress. Hay cutting active. Hard rains all areas. Irrigation stopped. Abundant new growth, new crop citrus fruit making good progress. Valencias remaining to be picked good condition. Valencia harvest slowing. Grapefruit movement all but over. Caretakers cutting cover crops, spraying, fertilizing. Rain hampered harvest northern vegetable production area. Season slowing for remaining crops of snap beans, sweet corn, eggplant, peppers, potatoes, tomatoes, watermelons. Leading vegetable shipments: Watermelons, potatoes, tomatoes, sweet corn, peppers. Also available: Snap beans, cucumbers, eggplant, okra, radishes, cherry tomatoes. Pasture feed 10% fair, 75% good, 15% excellent. Cattle herds fair to excellent condition.

GEORGIA: Temperatures 2 to 5° above normal north, close to normal elsewhere. Hottest weather mid 80s mountains, mostly low or mid 90s elsewhere. Coolest near 60° mountains to mostly 65 to 70° elsewhere. Most locations at least 0.50 in. rain for week, local totals 1.00 to 3.00 in. Rain reported 3 to 6 days of week.

Days suitable for fieldwork 3.4. Soil moisture 10% short, 62% adequate, 28% surplus. Corn 91% silked, 43% 1993, 72% avg.; 48% dough, 7% 1993, 29% avg.; 20% dent, 0% 1993, 6% avg.; much improved, some worm problems. Cotton 100% planted, 100% 1993, 100% avg.; 3% setting bolls, 2% 1993, 2% avg.; weed problems increasing. Sorghum 19% fair, 77% good, 4% excellent; 95% planted, 76% 1993, 84% avg. Peanuts 14% fair, 77% good, 9% excellent; 73% blooming, 55% 1993, 59% avg.; 31% pegging, 14% 1993, 19% avg.; weed pressure increasing. Soybeans 3% blooming, 0% 1993, NA avg. Tobacco 21% fair, 77% good, 2% excellent; 6% harvested, 1% 1993, 4% avg. Rains slowing wheat harvest. Other small grains 4% poor, 27% fair, 59% good, 10% excellent. Watermelons 24% fair, 76% good; 16% harvested, 5% 1993, 4% avg. Vegetables 28% fair, 71% good, 1% excellent. Apples 12% very poor, 30% fair, 58% good. Peaches 3% fair, 97% good; 71% harvested, 37% 1993, 51% avg. Hay, pastures much improved. Cattle, hogs good. Activities: Cultivating row crops, spraying fungicides, herbicides on peanuts, harvesting wheat, routine care of livestock, poultry.

HAWAII: Continued warm, sunny weather prevailed. All islands received light showers. High pressure system north of the islands

produced trade winds mostly in the 10 to 25 mph range. Temperatures continued moderate in the mid 60s to high 80s. Rainfall none to 7.60 in.

Weather favorable for crop progress. Mostly dry, warm days necessitated increased irrigation. Regular spray programs kept insects, diseases under control. Sugar harvesting active all islands. Pineapple harvesting increasing. Papaya production heavy.

IDAHO: Temperatures 7° below to 2° above normal. Most stations several degrees below normal, especially in the north. Precipitation 0.34 to 1.32 in. north, none southw, 24% fair, 68% good, 4% excellent. Barley 2% very poor, 3% poor, 20% fair, 71% good, 4% excellent. Oats 4% very poor, 25% fair, 67% good, 4% excellent. Soybeans 3% poor, 19% fair, 71% good, 7% excellent. Sugarbeets 2% poor, 32% fair, 64% good, 2% excellent. Dry beans 1% poor, 17% fair, 78% good, 4% excellent.

ILLINOIS: High pressure held to the southeast of the State during the week, keeping exceedingly hot, humid conditions across State, resulting in high heat stress. Highs low to mid 90s with mean lows from the mid to upper 60s to low 70s. Precipitation proved lacking through all but the far northern, southern reaches of the State. Most locations noted no precipitation for the week with only spotty totals of mainly 0.10 in. or less. In the south amounts of 0.40 to 1.33 in. were noted. In the north amounts of 1.00 to 2.00 in. occurred with isolated heavier 3.00 to 6.00 in. northwest corner.

Days suitable for fieldwork 6.25. Soil moisture 58% short, 40% adequate, 2% surplus. Corn average height 22 in., 11 in. 1993, 21 in. avg. Average height most advanced 36 in., 21 in. 1993, 33 in. avg. Winter wheat filled 99%, 92% 1993, 97% avg. Turning yellow 76%, 67% 1993, 83% avg. Ripe 9%, 3% 1993, 31% avg. Oats headed 88%, 41% 1993, 70% avg. Filled 51%, 16% 1993, 36% avg. Turning yellow 5%, 3% 1993, 9% avg. Alfalfa hay first cutting 99%, 82% 1993, 90% avg. Second cutting 12%, 5% 1993, 8% avg. Red Clover hay cut 92%, 72% 1993, 72% avg. Pasture condition 86% of normal. Oat 2% poor, 34% fair, 64% good. Alfalfa 31% fair, 63% good, 6% excellent. Rescue spray treatments on corn for black cutworms, armyworms in wheat continued, much reduced pace last week. European corn borer moths continue to be reported statewide with some reports of large numbers of moths. Farmers were busy spraying and cultivating to control weeds, baling hay, hauling grain, caring for livestock. Caring for livestock became a priority last week due to the extreme heat, which has slowed livestock gains, stressed crop growth.

INDIANA: Oppressive heat, humidity dominated State weather the past 7 days. Thunderstorms brought beneficial rains to many areas, coverage was incomplete, amounts less than normal. High temperatures averaged from 90° to mid 90s, which was 9 to 13° above normal. Lows averaged in the upper 60s to lower 70s, which was 8 to 13° above normal. Rainfall varied across the State; none to 1.00 in. south, central, while the north 1.50 to 4.50 in.

Days suitable for fieldwork 6. Topsoil rated 61% short, 35% adequate, 4% surplus. Subsoil moisture 45% short, 54% adequate, 1% surplus. Showers helped corn, beans progress this week. Above normal temperatures added stress to soil moisture, crops, livestock. Insect damage is still evident in many fields. Herbicides continue having difficulty activating during the dry weather. Heat slowed livestock growth, some milk production. Farmers were busy cultivating, spraying, caring for livestock. Pastures drying, fair. Pasture feed 79% of normal, 82% last week. Corn 20 in. high, 13 in. 1993, 19 in. avg. Soybeans 7 in. high, 5 in. 1993, 6 in. avg. Oats headed 84%, 61% avg. Alfalfa 1st cutting 99%, 83% 1993, 85% avg. Tobacco set 94%, 93% 1993, 72% avg.

IOWA: Hot, humid; temperatures 8 to 11° above normal. Extremes 62°; 98°. Dry early week with scattered heavy thunderstorms at the weekend; none to 4.44 in. (normal 1.07 in.).

Days suitable for fieldwork 5.0. Topsoil 14% short, 83% adequate, 3% surplus. Subsoil 2% short, 94% adequate, 4% surplus. Average height of corn 24 in. Tallest corn 35 in. Corn cultivated 74%, 10% 1993, 53% avg. Oats headed 95%, 15% 1993, 61% avg. Oats turning color 10%, 0% 1993, 3% avg. Alfalfa hay 1st crop harvested 88%, 30% 1993, 67% avg. Clover hay 1st crop harvested 60%, 12% 1993, 38% avg. Winter wheat 18% fair, 73% good, 9% excellent. Pasture 2% poor, 26% fair, 62% good, 10% excellent. Oats 1% poor, 22% fair, 66% good, 11% excellent. Hay 3% poor, 28% fair, 63% good, 6% excellent. Severe weather with hail is causing replanting of soybeans, some corn. Heat, humidity this week caused some stress, lowered weight gain on confinement stock.

KANSAS: Temperatures 5 to 9° above normal. Precipitation mostly light. Rainfall 0.65 in. northwest to 0.02 in. central. No precipitation south central, southeast.

Days suitable for fieldwork 6.0. Surface soil moisture 65% short to very short, 35% adequate. Subsurface moisture 27% short to very short, 72% adequate, 1% surplus. Wheat harvest progressing quickly central,

southern counties. Hot, dry weather provided excellent harvesting conditions, 25% of the acreage was cut during the week. Wheat ripe 70%, 10% 1993, 40% avg. All of the wheat crop turning color with the exception of a few fields in northern counties. Dry conditions continue to stress the crop in the northwest, west central, north central districts. Corn south central, southeast beginning to silk. Dry conditions have stressed corn crop, especially in southern tier of counties. Sorghum planting stopped in some southern counties due to dry topsoil conditions. Alfalfa 2nd cutting 25%, 5% 1993, 15% avg. Pastures are in good condition in all districts except the southwest, central, south central where they are fair.

KENTUCKY: Hot, dry. Temperatures much above normal, maximum, minimum values 6 to 10° above average. Precipitation well below normal.

Days suitable for fieldwork 5.7. Soil moisture 24% very short 51% short, 25% adequate. Tobacco setting nearly complete; fair to mostly good. No major insect, disease problems. Late set tobacco very stressed by heat. Some resetting necessary. Corn fair to mostly good. Single crop soybean planting nearly complete. Double crop bean seeding underway. Wheat harvest 18% complete. Small grain yield and test prospects good. Pastures, hay under stress, need moisture soon.

LOUISIANA: Temperatures 0.4 to 1.9° above normal. Extremes 50°; 96°. Rainfall 0.56 in. north central to 1.98 in. northeast.

Days suitable for fieldwork 3.7. Soil moisture supplies 65% adequate, 35% surplus. Corn 17% fair, 62% good, 21% excellent; 94% silked, 54% 1993, 78% avg.; 50% dough stage, 19% 1993, 27% avg. Growth, development was rapid because of rains, hot weather. Cotton 5% setting bolls, 0% 1993, 1% avg. Insect control, cultivation were active. Hay 85% first cutting, 84% 1993, 71% avg. Slowed due to showers. Peaches 63% fair, 18% good, 19% excellent; 38% harvested, 23% 1993, 29% avg. Rice 100% emerged, 99% 1993, 98% avg; 20% headed, 8% 1993, 10% avg. Blast, sheath blight treatments were active in the southern parishes. Sorghum 99% emerged, 95% 1993, 90% avg.; 11% headed, 0% 1993, 7% avg. Soybeans 85% emerged, 81% 1993, 69% avg. Planting made progress but was slow. Sweet potatoes 71% planted, 56% 1993, 66% avg. Planting made good progress. Sugarcane 23% fair, 77% good. Lay-by, weed control continued. Wheat 2% poor, 46% fair, 52% good; 98% harvested, 94% 1993, 90% avg. Livestock 3% poor, 46% fair, 46% good, 5% excellent. Pasture 1% fair, 97% good, 2% excellent. Vegetables 25% fair, 69% good, 6% excellent. Commercial harvest continued.

MARYLAND & DELAWARE: MARYLAND: Precipitation 0.40 in., normal 0.90 in. Temperature 78.3°, normal 70.9°. Extremes 50°; 101°.

Days suitable for fieldwork 6.3. Topsoil 48% very short, 41% short, 11% adequate. Subsoil 8% very short, 61% short, 31% adequate. Pasture feed mostly good except east, west of bay. Small grain fair to good. Winter wheat 55% turned, 69% 1993, 75% avg.; harvest beginning. Barley 48% harvested, 38% 1993, 42% avg. Rye 18% harvested, 2% 1993, 23% avg. Corn showing some drought stress. Soybeans 65% planted, 64% 1993, 66% avg. Sorghum 90% planted, 83% 1993, 52% avg. Tobacco 88% transplanted, 82% 1993, 83% avg. Sweet corn 93% planted, 93% 1993, 98% avg. Tomato, cucumber, lima and snap bean planting active. Other hay 92% first cut, few acres cut second time; alfalfa hay 21% second cut. Excellent haymaking weather; cutting silage. Strawberry harvest active, green pea harvest active. Apples mostly fair to good, peaches fair (generally poor to good).

DELAWARE: Precipitation 1.01 in., normal 0.86 in. Temperature 77.6°, normal 71.3°. Extremes 55°; 98°.

Days suitable for fieldwork 6.2. Topsoil 17% very short, 66% short, 17% adequate. Subsoil 67% short, 33% adequate. Pasture feed good. Small grain mostly fair. Wheat 32% turned, 51% 1993, 81% avg. Barley 32% harvested, 57% 1993, 47% avg. Rye 64% turned, 58% 1993, 71% avg. Soybeans 65% planted, 63% 1993, 72% avg. Sorghum 92% planted, 86% 1993, 57% avg. Sweet corn virtually complete. Vegetable planting active. Other hay first cut virtually complete. Alfalfa hay 3% second cut, 10% 1993, 93% avg. Strawberry harvest active, green pea harvest near mid-point.

MICHIGAN: Extremes 45°; 99°. Precipitation 0.10 to 2.04 in. across the State.

Days suitable for fieldwork 6.0. Soil moisture 75% short, 25% adequate. Dry beans 85% planted, 65% 1993, 65% avg.; 70% emerged, 40% 1993, 50% avg. Oats 25% headed, 5% 1993, 20% avg.; 1% very poor, 9% poor, 30% fair, 50% good, 10% excellent. Soybeans 95% emerged, 85% 1993, 85% avg. Hay 70% First cutting, 45% 1993, 50% avg.; 5% very poor, 10% poor, 30% fair, 45% good, 10% excellent. Pasture feed 70% of normal. Major activities included hay harvesting, planting, spraying field crops, spraying fruit.

MINNESOTA: Temperatures near normal to 2° above normal in the northwest to 11° above normal in the southeast. Extremes 44°; 97°. Precipitation 0.90 in. above normal in the northwest to 0.50 in. below normal in the southeast part of the State. Greatest weekly total was 5.12 in.

Days suitable for fieldwork 4.2. Topsoil 5% very short, 11% short, 63% adequate, 21% surplus. Corn 64% cultivated once, 18% 1993, 49% avg., 20 in. average unextended height, 7 in. 1993, 11 in. avg.; soybeans 36% cultivated once, 8% 1993, 27% avg.; 8 in. average unextended height, 4 in. 1993, 4 in. avg.; spring wheat 75% jointing, 76% 1993, 72% avg.; 21% heading, 11% 1993, 20% avg.; oats 93% jointing, 59% 1993, 76% avg.; 42% heading, 6% 1993, 26% avg.; barley 73% jointing, 72% 1993, 67% avg.; 16% heading 12% 1993, 19% avg.; alfalfa 86% cut, 46% 1993, 59% avg.; corn 2% poor, 14% fair, 74% good, 10% excellent. Spring wheat 1% very poor, 3% poor, 24% fair, 68% good, 4% excellent. Barley 2% very poor, 3% poor, 20% fair, 71% good, 4% excellent. Oats 4% very poor, 25% fair, 67% good, 4% excellent. Soybeans 3% poor, 19% fair, 71% good, 7% excellent. Sugarbeets 2% poor, 32% fair, 64% good, 2% excellent. Dry beans 1% poor, 17% fair, 78% good, 4% excellent.

MISSISSIPPI: Temperatures 2.0° above normal. Extremes 62°; 97°. Soil temperature 84°. Rainfall 0.90 in., 0.02 in. above normal. Greatest precipitation occurred in the east central district with 2.70 in. Delta received a minimal amount with only 0.15 in.

Days suitable for fieldwork 3.7. Soil moisture 3% short, 66% adequate, 31% surplus. Corn 60% silked, 24% 1993, 35% avg.; 21% dough, 2% 1993, 5% avg.; 1% poor, 13% fair, 79% good, 7% excellent. Cotton 79% squaring, 25% 1993, 38% avg.; 16% fair, 83% good, 1% excellent. Rice 100% emerged, 93% 1993, 92% avg.; 15% fair, 85% good. Sorghum 100% planted, 97% 1993, 94% avg.; 100% emerged, 90% 1993, 90% avg.; 41% fair, 45% good, 14% excellent. Soybeans 93% planted, 72% 1993, 68% avg.; 90% emerged, 64% 1993, 57% avg.; 36% fair, 54% good, 10% excellent. Wheat 100% mature, 93% 1993, 95% avg.; 68% harvested, 50% 1993, 63% avg.; 8% poor, 24% fair, 47% good, 21% excellent. Hay 48% harvested, 49% 1993, 42% avg. Peaches 39% harvested, 26% 1993, 37% avg. Peanuts 100% planted, 97% 1993, 90% avg. Sweet potatoes 70% planted, 83% 1993, 80% avg.; 60% fair, 40% good. Watermelons 98% planted, 98% 1993, 99% avg.; 72% fair, 20% good, 8% excellent. Livestock 13% fair, 74% good, 13% excellent. Pasture 81% of normal. Activities: Harvesting wheat, cutting hay, cultivation, planting soybeans, insecticide, herbicide applications. Some fieldwork delayed by rain.

MISSOURI: Temperatures above normal, 6° above normal in the southeast to 9° above in the northeast, west central, east central. Rainfall 0.21 in., ranging from 0.07 in. northeast, southeast to 0.70 in. west central.

Days suitable for fieldwork 5.9. Topsoil moisture 34% short, 63% adequate, 3% surplus. Subsoil moisture 11% short, 86% adequate, 3% surplus. Wheat turning color 95%, 73% 1993, 89% avg. Wheat harvest most advanced in southeast, 35%. Alfalfa hay cut 94%, 79% 1993, 84% avg. Other hay cut 64%, 48% 1993, 51% avg. Pastures 3% poor, 43% fair, 52% good, 2% excellent.

MONTANA: Below normal temperatures, slightly above normal precipitation.

Days suitable for fieldwork 3.0. Topsoil moisture 10% short, 75% adequate, 15% surplus. Subsoil moisture 16% short, 79% adequate, 5% surplus. Barley 67% pre-boot, 91% 1993, 75% avg.; 27% boot, 8% 1993, 21% avg.; 6% headed, 1% 1993, 4% avg. Barley 2% poor, 28% fair, 52% good, 18% excellent. Oats 71% pre-boot, 88% 1993, 79% avg.; 23% boot, 12% 1993, 20% avg.; 6% headed, 0% 1993, 1% avg. Oat 2% poor, 18% fair, 66% good, 14% excellent. Sugarbeet 1% very poor, 1% poor, 13% fair, 62% good, 23% excellent. First cutting alfalfa 13%, 1% 1993, 7% avg. Other hay harvest 7%, 1% 1993, 5% avg. Cattle, calves moved to summer pastures, 92%; sheep, lambs, 92%. Pasture, range feed condition 97% of normal.

NEBRASKA: Temperatures 4° above normal north to 10° above normal east central. Precipitation 3.31 in. northeast to a trace elsewhere.

Days suitable for fieldwork 6.1. Topsoil 58% short, 42% adequate. Subsoil 23% short, 77% adequate. Winter wheat 34% poor, 45% fair, 21% good; 88% turning, 27% 1993, 50% avg.; 3% ripe, 0% 1993, 3% avg. Corn 23% fair, 72% good, 5% excellent. Soybean 31% fair, 68% good, 1% excellent. Sorghum 27% fair, 71% good, 2% excellent; 99% emerged, 78% 1993, 91% avg. Alfalfa 1% very poor, 7% poor, 46% fair, 43% good, 3% excellent; 98% first cutting harvested, 76% 1993, 81% avg.; second cutting beginning. Dry beans 99% planted, 91% 1993; 94% emerged, 63% 1993. Pasture, range condition 89% of normal.

NEVADA: Series of cold fronts brought widespread, gusty winds, trace of rain northeast. Temperatures fell well below normal north, near normal south. End of period high pressure edged temperatures above normal. Extremes 24°; 113°.

Alfalfa hay harvest continuing, third cutting started extreme south. Barley, oats harvest about complete south. Major activities: Irrigation, haying, insect, weed control, livestock management.

NEW ENGLAND: Precipitation 0.01 to 4.00 in. regionwide. Temperatures 69 to 78° north; 60 to 77° south. Maximum temperatures

80 to 98° north; 84 to 101° south. Minimum temperatures 49 to 61° north; 56 to 64° south.

Maine potatoes 99% planted, 100% 1993, 100% avg.; 45% emerged, 40% 1993, 65% avg.; good. Oats 95% planted, 100% 1993, 100% avg.; 70% emerged; good. Field corn 95% planted, 100% 1993, 95% avg.; 90% emerged; good. First crop hay 50% harvested, 50% 1993, 50% avg. Sweet corn 90% planted, 90% 1993, 90% avg.; 80% emerged; good. Apples, pears, cranberries average fruit set. Peaches light fruit set. Major farm activities: Planting field crops. Harvesting hay, early season vegetables. Applying herbicides, fertilizers.

NEW JERSEY: Temperatures much above normal. Extremes 59°; 102°. Rainfall 0.06 in. north, 0.09 in. central, 0.55 in. south. Heaviest 24-hour total 1.04 in. on 19th, 20th. Estimated soil moisture, in percent field capacity, averaged 79% north, 56% central, 35% south. Four-inch soil temperatures 74° north, 74° central, 75° south.

Days suitable for fieldwork 7. Topsoil below adequate. Irrigation of vegetables, field crops occurring throughout the State. Peaches, apples, blueberries are continuing to size well. Thinning of peaches, apples occurring. Strawberries in full harvest. Cranberries are beginning to bloom. Continued planting of melons, peppers, soybeans. Corn planting is complete. Harvesting of greens, summer squash, pickles. Increasing harvest of red, green, savoy cabbage while asparagus harvest is decreasing. Good supply of summer squash, turnips, all types of lettuce, including iceberg available. Wheat, barley are browning. Hay cutting, baling reported around the State. Pastures are in good condition.

NEW MEXICO: Third consecutive week, temperatures were above normal for the State. Overall, the average temperature for the State was between 6 to 7° above normal, with anomalies of +11° at Clayton, +9° at Tucumcari, Roswell, Des Moines. For the first time this season tropical moisture surged northward from Mexico into western areas of State, representing the first "burst" of the upcoming "monsoon" season. Greatest rainfall totals were 1.08 in. at Quemado, 0.75 in. at Gallup.

Days suitable for fieldwork 6.7. Soil moisture 71% short, 29% adequate. Severe hail damage reported on the east side, mainly Curry, Eddy counties. Cropland conditions: Alfalfa 3% poor, 18% fair, 67% good, 12% excellent. Irrigated wheat 6% poor, 41% fair, 53% good. Dryland wheat 23% very poor, 15% poor, 47% fair, 15% good. Chile 6% poor, 13% fair, 75% good, 6% excellent. Corn 10% fair, 90% good. Sorghum planting 87% complete with crop reported as 68% fair, 32% good. Cattle, sheep remained in poor to good condition. Range feed condition was reported at 67% of normal.

NEW YORK: Started cool, turned extremely hot, humid at the end of the week. Scattered thunderstorms with hail in a few locations.

Days suitable for fieldwork 5.8. Soil moisture mostly adequate. Pasture feed 93% of normal. Hay, wheat mostly good condition. Corn 96% planted, 99% 1994, 93% avg. First cutting alfalfa 60% finished, 42% 1994, 44% avg. First cutting Clo-tim 51% finished, 33% 1994, 38% avg. Ideal haying conditions pushed progress ahead at rapid pace. Regrowth good. Dry bean planting picking up speed. Upstate potatoes growing well. Tree fruits in fair to good condition. Warm weather helped promote fruit sizing. Strawberry harvest gaining momentum. Onion growth behind normal due to earlier coolness. Vegetable planting continued in full swing. Warmer weather spurred growth.

NORTH CAROLINA: Mean temperatures 81° at Charlotte to 74° at Asheville. Rainfall 1.03 in. at Charlotte to none at several locations.

Days suitable for fieldwork 5.4. Soil moisture 3% very short, 39% short, 53% adequate, 5% surplus. Crop conditions: Wheat 24% fair, 64% good, 12% excellent; pasture 10% poor, 42% fair, 47% good, 1% excellent; field tobacco 11% fair, 81% good, 8% excellent; corn 5% poor, 25% fair, 66% good, 4% excellent; cotton 2% poor, 40% fair and 58% good; peanuts 31% fair, 69% good; soybeans 1% poor, 31% fair, 66% good, 2% excellent; hay 5% poor, 51% fair, 43% good, 1% excellent; Irish potatoes 21% fair, 72% good, 7% excellent; sweet potatoes 16% fair, 79% good, 5% excellent; apples 32% fair, 64% good, 4% excellent; peaches 3% very poor, 12% fair, 76% good, 9% excellent; truck crops 32% fair, 60% good, 8% excellent; hay, roughage supplies 1% very short, 23% short, 74% adequate, 2% surplus; sorghum planted 85%, 78% 1993, 73% avg.; soybeans planted 74%, 80% 1993, 73% avg.; burley tobacco transplanted 92%, 88% 1993, 93% avg.; sweet potatoes 88%, 89% 1993, 87% avg.; Irish potatoes harvested 22%, 17% 1993, 28% avg.; wheat harvested 49%, 45% 1993, 48% avg.; oats harvested 57%, 48% 1993, 50% avg.; barley harvested 53%, 50% 1993, 54% avg.; rye harvested 48%, 47% 1993, 49% avg.; peaches harvested 26%, 13% 1993, 22% avg.; first cutting of hay is 93% complete with the second cutting 35% complete. Activities included: Cultivating tobacco, harvesting small grain, planting soybeans; cutting hay, cultivating crops. Other activities included: Transplanting burley tobacco; harvesting truck crops; tending livestock; equipment repair.

NORTH DAKOTA: Low pressure trekked east with a trailing cold front through State, producing heavy rainfall in some areas. Precipitation 0.57

in. southeast to 1.67 in. northeast. Temperatures 6° below normal west central to normal northeast, east central. Extremes 38° southwest; 92° east central, southeast.

Days suitable for fieldwork 4.7. Topsoil 4% very short, 10% short, 79% adequate, 7% surplus. Subsoil 3% short, 94% adequate, 3% surplus. Crop condition mostly good, development slowed as cool temperatures, rain passed. Hard red spring wheat 3% poor, 19% fair, 68% good, 10% excellent; durum wheat 1% poor, 13% fair, 66% good, 20% excellent; barley 2% poor, 17% fair, 70% good, 11% excellent; oats 2% poor, 21% fair, 70% good, 7% excellent; corn 24% fair, 70% good, 6% excellent; soybeans 2% poor, 30% fair, 63% good, 5% excellent; sugarbeets 1% poor, 21% fair, 72% good, 6% excellent; flaxseed 1% poor, 19% fair, 69% good, 11% excellent; dry edible beans 1% poor, 13% fair, 76% good, 10% excellent; potatoes 0% poor, 3% fair, 97% good; sunflower 1% very poor, 4% poor, 23% fair, 66% good, 6% excellent. Hard red spring wheat 8% heading to flowering and beyond, 2% 1993, 11% avg.; durum wheat 1% heading to flowering and beyond, 1% 1993, 4% avg.; barley 10% heading to flowering and beyond, 3% 1993, 14% avg.; oats 5% heading to flowering and beyond; 1% 1993, 9% avg. Corn 97% emerged, 97% 1993, 98% avg.; flaxseed 93% emerged, 97% 1993, 95% avg.; potatoes 99% emerged, 95% 1993, 95% avg.; soybeans 99% emerged, 91% 1993, 97% avg.; dry edible beans 94% emerged, 93% 1993, 96% avg.; sunflower 93% emerged, 86% 1993, 90% avg. Height of emerged late season crops: corn 10 in., 5 in. 1993, 8 in. avg.; sugarbeets 7 in., 5 in. 1993, NA avg.; soybeans 6 in., 3 in. 1993, 5 in. avg.; sunflower 6 in., 4 in. 1993, 5 in. avg.; flaxseed 4 in., 4 in. 1993, 4 in. avg.; dry edible beans 5 in., 3 in. 1993, 5 in. avg.; potatoes 6 in., 4 in. 1993, 5 in. avg. Spraying of broadleaf weeds was 70% complete, wild oats 88%. Range, pastures conditions 94%; hay crop 85% of normal. Alfalfa hay first cutting 17% complete, other hay 3%. Stockwater supplies 4% short, 91% adequate, 5% surplus.

OHIO: A summer heat wave left Ohioans sweltering. Rainfall was scattered with dryness becoming critical in many areas. Temperatures 9 to 14° above normal. Highs were generally 90 to 95° while lows averaged in the mid 60s to low 70s. Hoytville reported a high temperature of 100° on the 18th. Many areas had highs in the upper 90s. Moisture was becoming critical as crops struggled with dryness. Scattered showers, thunderstorms were the only producers of rain. Although some strong, slow moving storms produced local rain amounts in excess of 2.00 in., most areas totaled 0.75 in. or less. Much of the State has had less than 3.00 in. the last 4 weeks, some spots less than 1.00 in.

Days suitable for fieldwork 6.8. Soil moisture 86% short, 14% adequate. Winter turning color 48%, 23% 1993, 41% avg. Oats headed 65%, 35% 1993, 50% avg. Strawberries harvested 54%, 42% 1993, 54% avg. Hay 2% very poor, 9% poor, 45% fair, 39% good, 5% very good. Pasture 5% very poor, 23% poor, 45% fair, 25% good, 2% excellent.

OKLAHOMA: Temperatures 2° above normal south central to 6° above normal northeast. Precipitation none Panhandle, west central to 0.57 in. east central.

Days suitable for fieldwork 6.1 Topsoil 31% short, 64% adequate, 5% surplus. Subsoil 15% short, 85% adequate. Oats 98% soft dough, 76% 1993, 98% avg.; 41% harvested, 8% 1993, 35% avg. Barley 94% soft dough, 78% 1993, 82% avg.; 40% harvested, 9% 1993, 32% avg. Corn 60% fair, 39% good, 1% excellent; 24% tasseling, 24% 1993, 8% avg. Soybeans 84% planted, 54% 1993, 63% avg.; 72% up-to-stand, 32% 1993, 37% avg. Peanuts 90% planted, 94% 1993, 74% avg.; 78% up-to-stand, 82% 1993, 54% avg.; 4% pegging, none 1993, 4% avg. Pasture 95% normal. Feeders steady to \$2.00 higher. Calves steady.

OREGON: Temperatures: western interior 2 to 4° below normal, coast normal to 1° below normal, eastern locations 3 to 5° below normal. Precipitation: northern coast over 1.00 in., southern coast, western interior 0.25 to 0.50 in., extreme northeastern corner 0.50 to 1.00 in., elsewhere less than 0.10 in.

Soil moisture 30% short, 70% adequate. Winter wheat 3% very poor, 8% poor, 32% fair, 45% good, 12% excellent; 96% headed. Eastern areas hay harvest continued, summer fallow operations continued. Western areas rains delayed/damaged hay harvest, winter wheat, barley turned color fast. Outbreak of Russian wheat aphids reported in Columbia Basin of Oregon, northeastern corner. Frost damage reported in Klamath Basin potato region and other high elevated potato areas of the east. Willamette Valley: Vegetable development slowed, snap pea harvest underway, sugarbeets for seed setting seed, strawberry harvest past peak, raspberry, blueberry harvest underway, other caneberries developing rapidly, hazelnuts sizing nicely. Willamette Valley, The Dalles district sweet cherry harvest underway some rain splitting reported. Pear, apple districts continued normal spray schedules. Cranberry bloom past peak in Stevens beds, all cultivars in bloom, setting fruit; southern coast. Livestock good to excellent. Range, pasture 88% of normal. Grasshopper infestation reported in Klamath Basin, southeastern rangeland. Cattle movement from spring pastures to summer, private ranges underway.

PENNSYLVANIA: Hottest week of the season. Localized thunderstorms produced heavy rains giving State above-normal precipitation. Temperature 83°, 17° above normal. Extremes 46°; 100°. Precipitation 1.08 in., 0.18 in. above normal.

Days suitable for fieldwork 5. Soil moisture 40% short, 51% adequate, 9% surplus. Corn 98% planted, 98% 1993, 94% avg. Avg. corn height 9 in., 9 in. 1993, 10 in. avg.; 1% very poor, 3% poor, 24% fair, 53% good, 19% excellent. Tobacco 83% transplanted, 79% 1993, 74% avg. Soybeans 91% planted, 90% 1993, 79% avg. Soybean 1% very poor, 4% poor, 20% fair, 54% good, 21% excellent. Barley 100% boot, 100% 1993; 100% heading or headed, 100% 1993; 77% turning yellow, 61% 1993; 7% ripe, 17% 1993. Wheat 100% boot, 100% 1993; 99% heading or headed, 100% 1993; 12% turning yellow, 22% 1993; 1% ripe, 2% 1993. Wheat 2% very poor, 3% poor, 25% fair, 50% good, 20% excellent. Oats crop 7% poor, 26% fair, 51% good, 16% excellent. Alfalfa first cutting 81% complete, 73% 1993. Second cutting alfalfa 4% complete, 10% 1993. Quality of hay made 7% poor, 29% fair, 64% good. First cutting timothy clover 51% complete, 57% 1993. Feed from pastures poor to fair. Apple 26% below avg., 74% avg., 0% above avg. Planting soybeans; transplanting tobacco; making hay; spreading fertilizer; hauling manure; caring for livestock.

PUERTO RICO: Rainfall of 0.87 in. was 0.45 in. below normal. Highest total rainfall 3.10 in. at Pico del Este, 2.73 in. at Rincon power plant. Temperatures 80 to 82° on the coasts, 74 to 76° interior with mean temperature 84.4° Fajardo to 65.4° Pico del Este. Extremes 55°; 94°.

SOUTH CAROLINA: Rainfall 0.70 in. Temperatures 2 to 4° above normal.

Days suitable for fieldwork 5.6. Soil moisture 54% short, 46% adequate. Tobacco fair to good; 29% topped, 12% 1993, 25% avg. Barley fair to good; 79% harvested, 59% 1993, 59% avg. Corn fair to good; 63% silked, 28% 1993, 40% avg.; 28% doughing, 0% 1993, 9% avg. Cotton fair to good; 28% squaring, 23% 1993, 22% avg.; 2% setting bolls, 1% 1993, 3% avg. Cantaloupes fair; 29% harvested, 15% 1993, 16% avg. Watermelons fair to good; 26% harvested, 10% 1993, 9% avg. Cucumbers fair to good; 68% harvested, 54% 1993, 56% avg. Snapbeans fair to good; 97% planted, 92% 1993, 91% avg. Tomatoes good; 49% harvested, 12% 1993, 23% avg. Oats fair to good; 97% ripe, 92% 1993, 94% avg.; 83% harvested, 70% 1993, 68% avg. Rye fair to good; 87% ripe, 88% 1993, 89% avg.; 71% harvested, 57% 1993, 58% avg. Wheat good; 77% harvested, 68% 1993, 67% avg. Peaches fair to good; 19% harvested, 15% 1993, 20% avg. Sorghum fair to good; 64% planted, 72% 1993, 61% avg. Pasture feed fair to good.

SOUTH DAKOTA: Temperatures 2° below normal to 8° above normal. Extremes 37°; 100°. Precipitation greatest east; central, west less than 0.50 in. Heaviest 4.97 in. east central.

Days suitable for fieldwork 5.5. Topsoil 6% very short, 37% short, 48% adequate, 9% surplus. Subsoil 4% very short, 30% short, 57% adequate, 9% surplus. Winter wheat 96% headed, 81% 1993, 90% avg.; 25% turning color, 0% 1993, 11% avg. Winter rye 5% poor, 30% fair, 64% good, 1% excellent; 100% headed, 84% 1993, 94% avg.; 7% turning color, 0% 1993, 9% avg. Spring wheat 82% boot, 42% 1993, 75% avg.; 47% headed, 11% 1993, 42% avg. Barley 2% very poor, 4% poor, 35% fair, 58% good, 1% excellent; 83% boot, 45% 1993, 74% avg.; 43% headed, 15% 1993, 42% avg. Oats 1% very poor, 6% poor, 33% fair, 55% good, 5% excellent; 85% boot, 43% 1993, 76% avg.; 52% headed, 16% 1993, 49% avg. Flax 7% poor, 44% fair, 49% good; 87% planted, 91% 1993, 98% avg.; 84% emerged, 86% 1993, 91% avg. Sunflower 4% very poor, 5% poor, 20% fair, 67% good, 4% excellent. Corn avg. height 14 in., 5 in. 1993, 10 in. avg.; 72% cultivated once, 17% 1993, 50% avg; 19% cultivated twice, 6% 1993, 10% avg. Alfalfa 64% 1st cutting, 33% 1993, 43% avg. Other hay 14% harvested, 3% 1993, 11% avg. Livestock 2% fair, 86% good, 12% excellent. Feed supply 12% short, 82% adequate, 6% surplus. Pastures feed 90% of normal. Water supply 83% adequate, 17% surplus. Producers busy cutting alfalfa hay, cultivating row crops.

TENNESSEE: Temperatures 3 to 7° above normal, Plateau normal. Extremes 63°; 97°.

Days suitable for fieldwork 4.7. Soil moisture 1% very short, 10% short, 85% adequate, 4% surplus. Corn 5% tasseling, 3% 1993, 6% avg.; 16% fair, 74% good, 10% excellent. Cotton 45% squaring, 24% 1993, 17% avg.; 13% fair, 87% good. Sorghum 98% planted, 98% 1993, 91% avg.; 11% fair, 84% good, 5% excellent. Soybeans 70% planted, 77% 1993, 66% avg.; 9% fair, 88% good, 3% excellent. Tobacco 95% transplanted, 95% 1993, 93% avg.; 2% poor, 15% fair, 79% good, 4% excellent. Wheat 91% ripe, 72% 1993, 80% avg.; 33% harvested, 23% 1993, 32% avg. Alfalfa 26% 2nd cut., 26% 1993, 23% avg.; 11% fair, 83% good, 6% excellent. Other hay, 2% poor, 17% fair, 78% good, 3% excellent. Pasture, 3% poor, 18% fair, 75% good, 4% excellent. Cattle, 7% fair, 89% good, 4% excellent.

TEXAS: A good supply of atmospheric moisture, several upper air disturbances resulted in thunderstorms over the eastern half during the early, middle part of the week. Some heavy rains occurred over far south,

south central areas. Drier weather prevailed toward the weekend. Panhandle suffered from very hot temperatures with readings skirting the 100° mark. For the week temperatures ran much above normal on northern high plains, below normal in far southern areas. Readings were close to normal elsewhere. Rainfall was above normal in southern half of State except for the Upper Coast. Readings were generally below normal elsewhere with no rain reported in the Southern Plains areas.

Crops: Irrigation continued in full swing across the Plains, while corn in Blacklands, South Texas made good progress following the rain showers. Where moisture was limited, fields began to show signs of stress. Corn 88% normal, 83% 1993; 53% silked, 44% 1993; 32% dough, 21% 1993; 4% dented, 6% 1993. Cotton continued to progress well in Plains, however blowing sand, high winds caused some damage to young plants. Planting activities continued to wind down in Cross Timbers, Plains. Some fields received light hail damage from storms that swept across Edwards Plateau. In Rio Grande Valley, cotton continued to make good progress. Cotton 78% normal, 77% 1993; 12% setting bolls, 10% 1993; 1% open bolls, 0% 1993. Peanut planting continued in most areas, however delays occurred in Cross Timbers, South Central Texas. In Cross Timbers, delays were due to lack of moisture; South Central Texas, excess moisture caused delays. Earlier planted fields made good progress. Most fields in South Texas were emerging. Peanuts 84% normal, 83% 1993. 64% planted, 57% 1993. Rice made good progress as some fields began to head. Spraying for disease, insects continued in Upper Coast. Peanuts 98% normal, 87% 1993; 8% headed, 4% 1993. Sorghum scattered showers in Blacklands provided relief for some sorghum fields. Across southern area, sorghum continued to mature, producers in Coastal Bend, South Central Texas made preparations for harvest. In Rio Grande Valley, harvest was delayed due to wet conditions, high winds caused minor damage in some fields. Sorghum 82% normal, 81% 1993; 54% headed, 40% 1993; 30% turning color, 18% 1993; 4% mature, 3% 1993. Soybeans in Upper Coast continued to make excellent progress with little insect pressure. Soybeans in East Texas also made good progress. Soybeans 81% planted, 85% 1993. Small Grains harvest activities were in full swing in Plains. In other areas, harvest began winding down before wet conditions caused delays. Oat harvest also continued at a rapid pace in areas where conditions allowed. Wheat condition 53% normal, 76% 1993. Oats harvested 51%, 49% 1993. Sunflowers 77% planted, 76% 1993.

Commercial Vegetables: Rio Grande Valley honeydew, cantaloupe, watermelon harvest was completed. Peppers continued to make good progress, showed signs of minor insect pressure. San Antonio-Winter Garden: watermelon harvest began in a few areas. Cantaloupe, cabbage, cucumber harvest continued. Trans-Pecos: cantaloupe, onion harvest continued. East Texas: harvest of tomatoes, cucumbers, squash, onions, beans, peas continued. Peaches: Harvest continued across State. In Edwards Plateau, late peaches made good progress as they sized well. Cross Timbers pecans continued to make good progress with reports of a good crop. Nuts in South Central Texas were beginning to size as scab pressure increased. Pecans in Trans-Pecos were stressing due to heat, irrigation was active.

Range and Livestock: Delays to haying operations occurred in Central, South Texas as light to heavy rain showers fell. Some hay was ruined due to recent rains and moisture. Producers were also busy applying fertilizer in areas where conditions allowed. Pasture conditions in Plains continued to decline, improved slightly across most other areas.

UTAH: Temperature averaged 6° above normal, minimums averaged 6° above normal. Little to no precipitation.

Days suitable for fieldwork 6.9. Soil moisture 87% short, 13% adequate. Spring wheat heading or better 86%, 57% 1993, 57% avg. Barley heading or better 80%, 54% 1993, 62% avg. Oats jointed 76%, 63% 1993; heading or better 35%, 29% 1993, 20% avg. Winter wheat heading or better 93%, 95% 1993, 88% avg. Corn height 13 in., 10 in. 1993, 12.1 in. avg. Alfalfa hay 1st cutting 87% completed, 68% 1993, 69% avg. Other hay cutting 36% completed, 17% 1993, 25% avg. Sweet cherries 24% picked. Dry beans planted 73%. Cattle moved to summer range 88%, 90% 1993. Sheep moved to summer range 73%, 90% 1993, 85% avg. Pasture and range conditions good to excellent. Major farm activities were harvesting alfalfa and grass hay, irrigating, cultivating, moving cattle sheep. Dry weather, high winds have made baling alfalfa difficult. Light frost in the north last week caused damage to alfalfa.

VIRGINIA: Temperatures near to slightly above normal. Extremes 51°; 101°. Precipitation was scattered.

Days suitable for fieldwork 6.0. Topsoil 21% very short, 65% short, 14% adequate. Pasture 9% very poor, 38% poor, 46% fair, 7% good. Alfalfa hay 14% poor, 60% fair, 26% good. Other hay 8% very poor, 28% poor, 59% fair, 5% good. Apple 47% fair, 53% good. Flue tobacco 57% fair, 43% good. Fire tobacco 59% fair, 41% good. Burley tobacco 63% good, 37% excellent. Burley tobacco transplanted 99%, 90% 1993, 91% avg. Sun tobacco 80% fair, 20% good. Potato 10% fair, 90% good. Corn 17% poor, 56% fair, 27% good. Soybeans planted 63%, 63% 1993, 67% avg.; 2% very poor, 16% poor, 48% fair, 34% good. Peanut 57%

fair, 43% good. Wheat 19% harvested, 9% 1993, 28% avg. Oats 31% harvested, 21% 1993, 32% avg. Barley 67% harvested, 56% 1993, 70% avg. Livestock mostly good condition. Some producers supplementing pastures with hay feeding. Tobacco lay-by, cultivation, spraying for thrips in peanuts, irrigating tobacco, potatoes, vegetables, shearing Christmas trees.

WASHINGTON: Temperatures 3° below normal to normal west; 7° below normal to 2° below normal east. Precipitation 0.17 to 1.19 in. west; none to 0.45 in. east. Cooler temperatures, scattered showers statewide.

Days suitable for fieldwork 4.7. Soil moisture 45% short, 54% adequate, 1% surplus. Hay, other roughage supplies 2% very short, 12% short, 85% adequate, 1% surplus. Range, pasture 10% very poor, 28% poor, 23% fair, 35% good, 4% excellent. Winter wheat dryland 1% very poor, 18% poor, 33% fair, 45% good, 3% excellent; irrigated 91% good, 9% excellent. Spring wheat dryland 3% very poor, 17% poor, 52% fair, 28% good; irrigated 1% fair, 93% good, 6% excellent. Barley dryland 5% very poor, 18% poor, 48% fair, 29% good; irrigated 99% good, 1% excellent. Potatoes 2% fair, 98% good. Dry edible beans 100% good. Corn 10% fair, 90% good. Winter wheat 98% headed, 93% 1993, 95% avg. Spring wheat 86% headed, 65% 1993, 74% avg. Barley 87% headed, 44% 1993, 75% avg. Dry beans 92% planted, 95% 1993, 98% avg. Corn 99% planted, 99% 1993, 100% avg. Alfalfa, first cutting, 80% completed, 77% 1993, 83% avg.; second cutting, 6% complete, 8% 1993, 8% avg. The weather continued to help the grain crops in many areas. Hay growers continued to harvest as weather permitted; alfalfa weevil levels were high in many areas. Cherry harvest continued; rain damage was still evident, but could be less than originally feared. Some mold was seen in strawberry fields in the west. Many cattle were being moved to higher elevations due to lack of forage at lower elevations.

WEST VIRGINIA: Temperature 77°. Extremes 51°; 98°. Precipitation 0.55 in.

Days suitable for fieldwork 5.5. Soil moisture 24% very short, 65% short, 11% adequate. Barley good; ripe 95%, 70% 1993, 53% avg. Wheat 9% fair, 91% good; headed 95%, 100% 1993, 99% avg.; ripe 6%. Hay 9% poor, 49% fair, 42% good; first cutting 71%, 64% 1993, 50% avg. Apples 50% poor, 50% fair. Peaches 100% very poor. Corn 10% poor, 16% fair, 74% good; planted 94%, 93% 1993, 94% avg.; emerged 78%, 87% 1993, 89% avg. Oats 24% fair, 76% good. Tobacco 26% poor, 34% fair, 40% good; set 96%, 80% 1993, 87% avg. Gardens 14% poor, 36% fair, 50% good; planted 97%, 82% 1993, 86% avg.; emerged 83%, 70% 1993, 77% avg. Soybeans 19% fair, 81% good; planted 70%, 80% 1993; emerged 52%, 80% 1993. Pastures 12% poor, 55% fair, 33% good; 80% of normal. Cattle 12% poor, 18% fair, 70% good. Sheep 28% poor, 28% fair, 44% good. Farm activities: Cutting hay, gardening, plowing, planting, equipment maintenance.

WISCONSIN: Temperature 76°, 12° above normal. Extremes 48°; 104°. Precipitation 0.20 to 2.90 in.

Days suitable for fieldwork 6.2. Soil moisture 48% short, 52% adequate. Pasture condition: 75%, 88% 1993, 80% avg. General condition of crops: 2% poor, 21% fair, 73% good, 4% excellent. Height of corn 14 in., 5 in. 1993, 11 in. avg. Corn 1% very poor, 1% poor, 13% fair, 71% good, 14% excellent. Oats 1% very poor, 5% poor, 25% fair, 59% good, 10% excellent; headed 40%, 4% 1993, 18% avg. Winter wheat 4% poor, 21% fair, 62% good, 13% excellent. First cutting hay harvested 78%, 34% 1993, 54% avg. Moisture situation in the southeast district was critical. Whether or not the rains over the weekend helped the crops in the southeast remains to be seen. Timely scattered rains seemed to have improved the overall crop conditions slightly in the state compared to last week. Reporters indicated the recent heat helped growth, dried the soil. Corn was progressing well despite the dry weather, weedy fields. Oats condition improved in the northern areas, declined in the drier parts of the south. Price County reporter summarized that hay making was "... progressing well, drying is slow with humidity." Farmers were worried the dry weather would hamper second crop growth. There were reports of peas being harvested in the south central district.

WYOMING: Temperatures this past week were from normal to above normal. Exceptions were Casper, Powell at 3°, 5° below normal. Archer, Rawlins, Saratoga warm spots at 3 to 5° above normal. Precipitation was below normal statewide. Sundance received the largest amount of precipitation with 0.70 in.

Days suitable for fieldwork 6.4. Topsoil 89% short, 11% adequate. Subsoil 81% short, 19% adequate. Winter wheat 83% headed, 76% 1993, 53% avg.; 15% turning color, 0% 1993, 2% avg. Spring wheat 50% headed, 14% 1993, 14% avg. Oats 53% boot, 45% 1993, 35% avg.; 17% headed, 14% 1993, 9% avg. Barley 51% headed, 29% 1993, 32% avg; 7% turning color, 0% 1993, 0% avg. Sugarbeet 88% thinned, 63% 1993, 69% avg. Corn height 11.9 in. Dry beans 92% emerged, 57% 1993. Alfalfa 33% first cutting, 15% 1993, 16% avg. Other hay 19% acreage harvested, 3% 1993, 3% avg. Irrigation water supplies 32% short, 68% adequate. Percent cattle, calves moved to summer ranges 88%, 81% 1993. Percent sheep, lambs moved to summer ranges 80%, 72% 1993.

International Weather and Crop Summary

HIGHLIGHTS

June 12 - 18, 1994

FSU-WESTERN: Cooler weather accompanied light to moderate showers over Russia and Ukraine, favoring crop development.

EUROPE: Mostly dry weather promoted winter wheat maturity in the west, and more rain fell in the Balkans.

SOUTH ASIA: Beneficial rain from the advancing monsoon improved grain, oilseed, and cotton prospects.

EASTERN ASIA: Scattered rain brought some relief to the North China Plain, while heavy rains caused local flooding across southern China.

SOUTHEAST ASIA: Rainfall tapered off from recent weeks over most major rice areas.

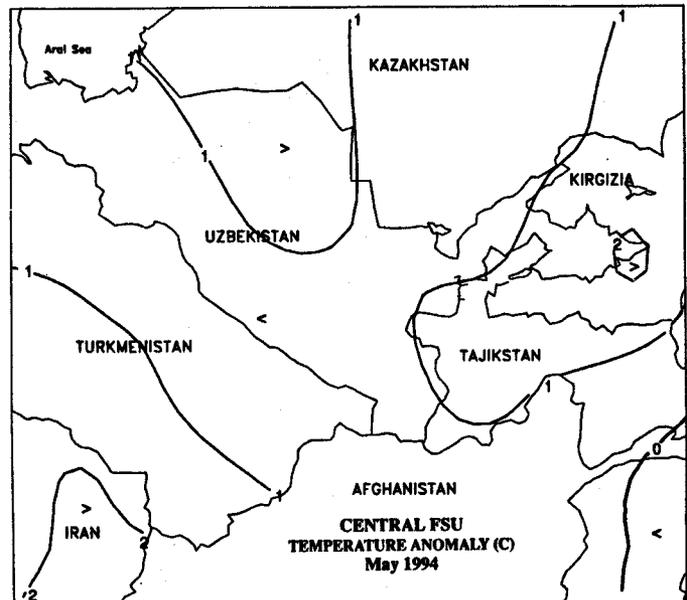
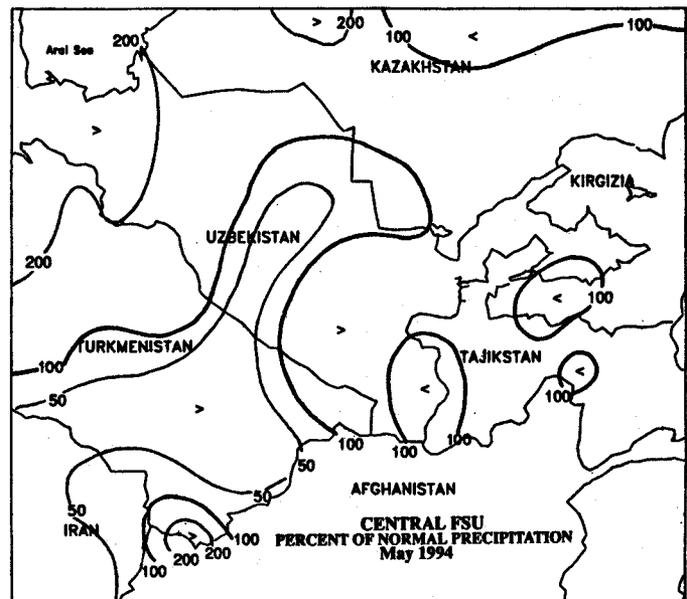
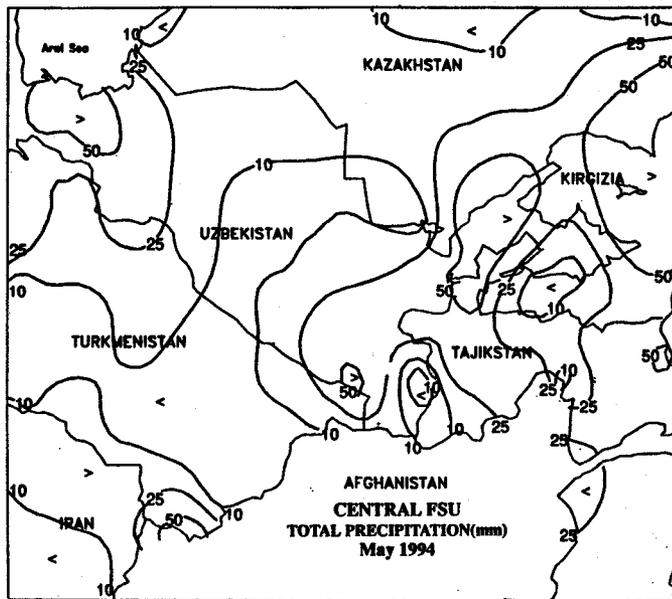
AUSTRALIA: Dry weather prevailed across the eastern wheat areas, where additional rain was still needed despite last week's rain.

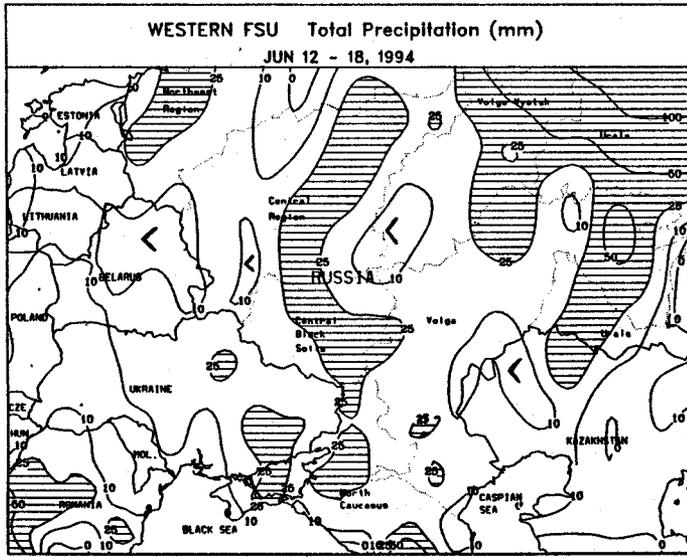
SOUTH AMERICA: Rain boosted topsoil moisture for wheat across Argentina.

MEXICO: Widespread showers increased topsoil moisture for summer crops across the main corn belt, especially in the west.

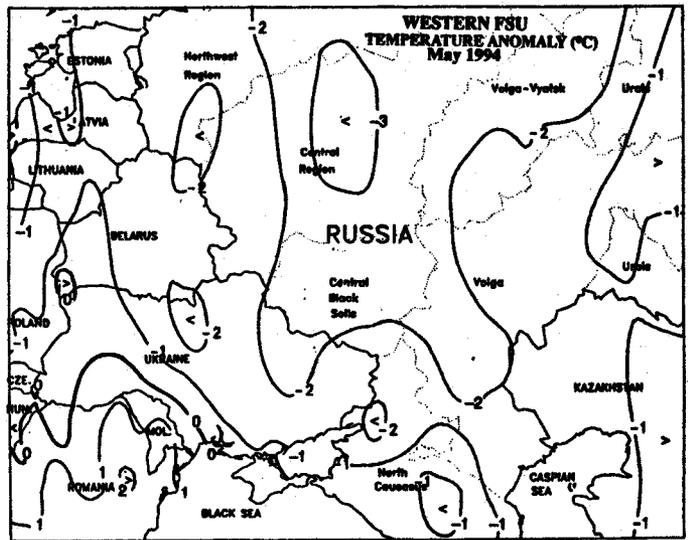
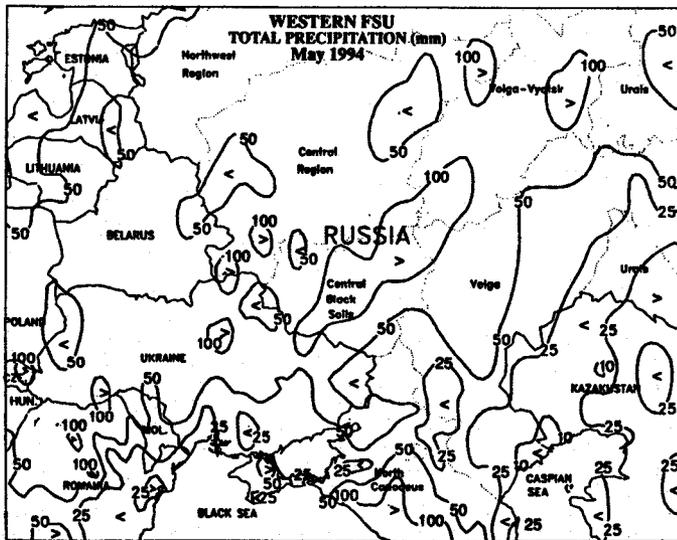
CANADA: Cool weather, with localized frost in fringe growing areas, slowed Prairie spring crop growth.

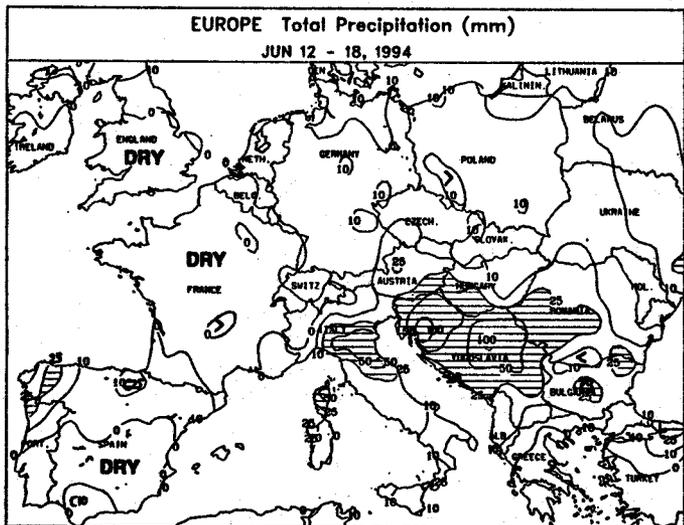
FSU-NEW LANDS: Prolonged dryness and periodic heat in Kazakhstan and adjacent areas of Russia stressed spring wheat in the vegetative stage.



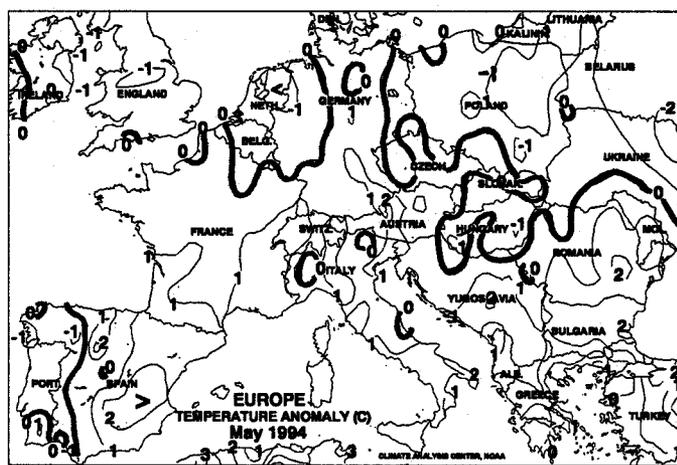
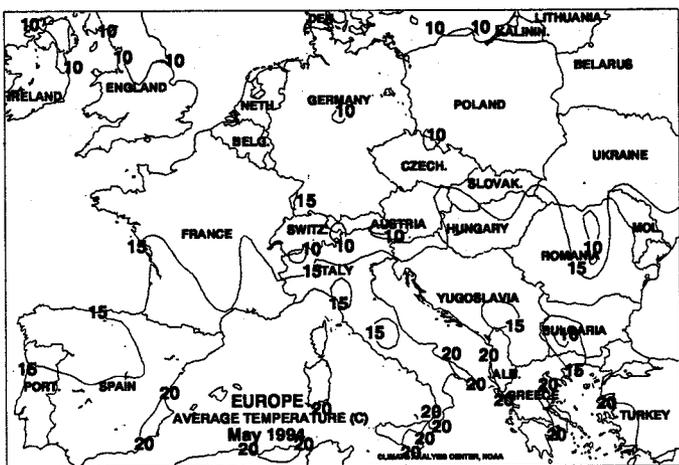
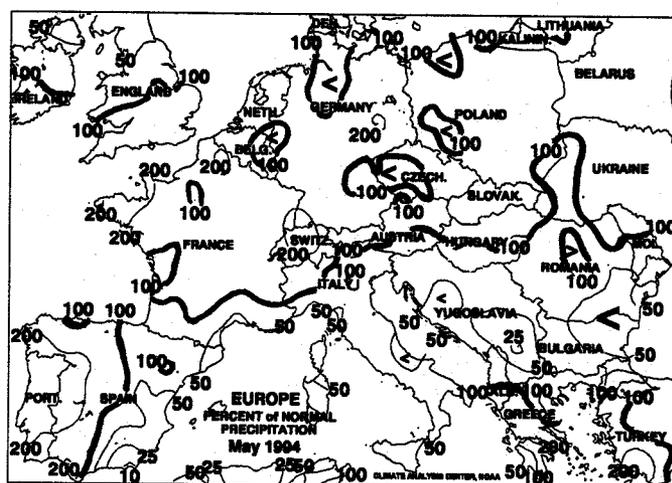
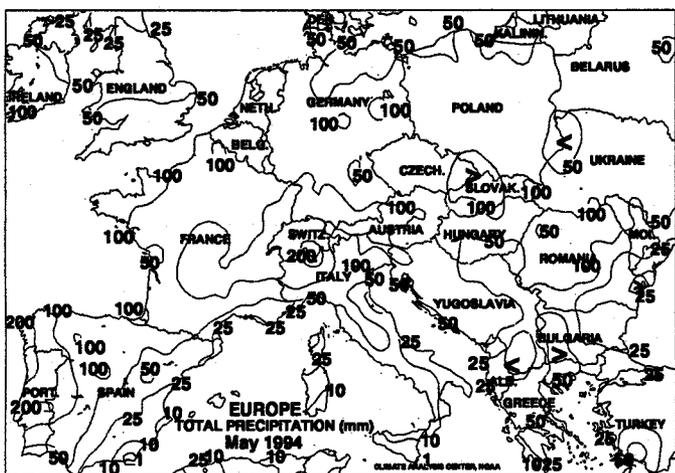


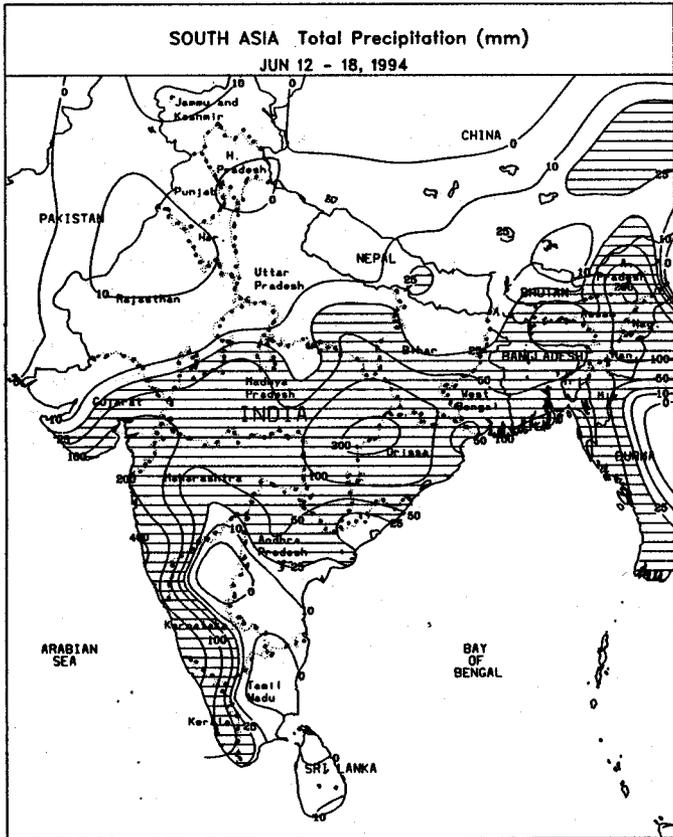
FSU-WESTERN: In Russia, cooler weather was accompanied by widespread showers and thunderstorms, favoring crop development. Precipitation amounts ranged from 10 to 25 mm, with local amounts in excess of 30 mm. In Ukraine, drier weather returned to southwestern areas, while beneficial rain (10-41 mm) covered central and eastern areas. Light showers (4-23 mm) over the Baltic States and Belarus maintained favorable moisture for crop growth. Crop progress for winter grains ranged from filling in Ukraine and North Caucasus, Russia to heading over Baltic States, Belarus, and northern Russia. Spring grains were entering reproduction in southern Ukraine and North Caucasus, Russia and were jointing over remaining areas. Corn and sunflowers were in the vegetative stage. Weekly average temperatures were 2-4 degrees Celsius (C) below normal over the region, slowing crop development. In May, above-normal precipitation provided adequate to abundant moisture for crops over most of Russia, northern Ukraine, the Baltic States, and Belarus. The rain that covered North Caucasus, Russia was timely, benefiting winter grains that entered the heading stage. In contrast, the combination of periodic heat and chronic dryness in Moldova and southwestern Ukraine hampered summer crop establishment and development of winter wheat. In late May, although subsoil moisture remained critically low, rain over these areas stabilized conditions for winter grains.



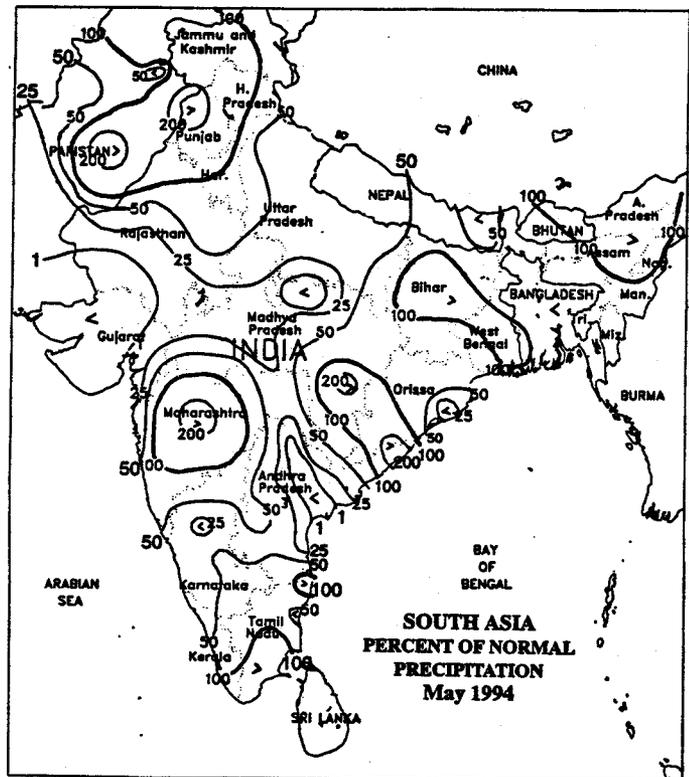
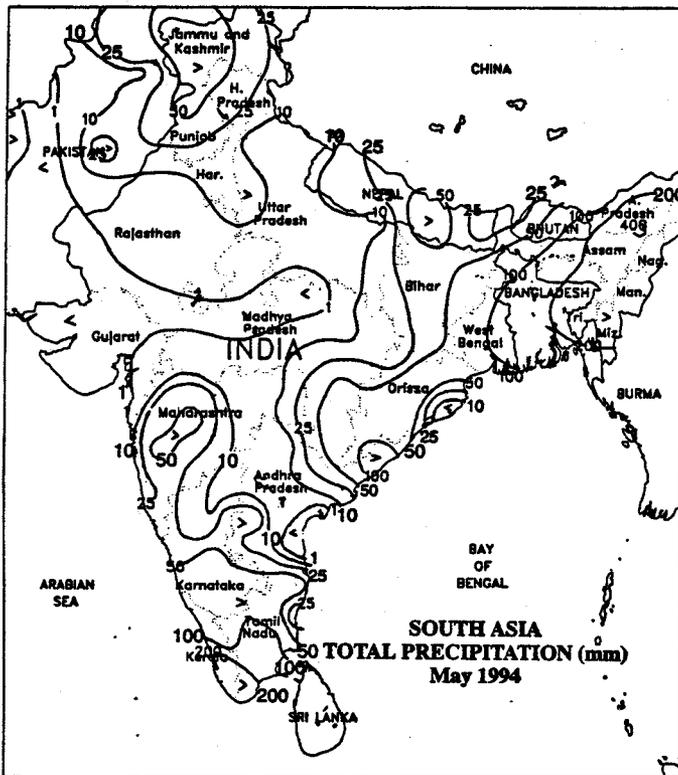


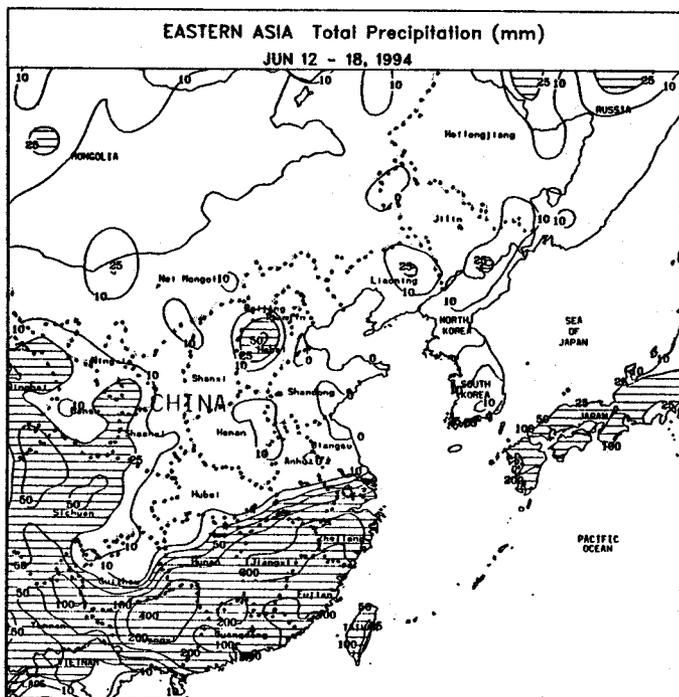
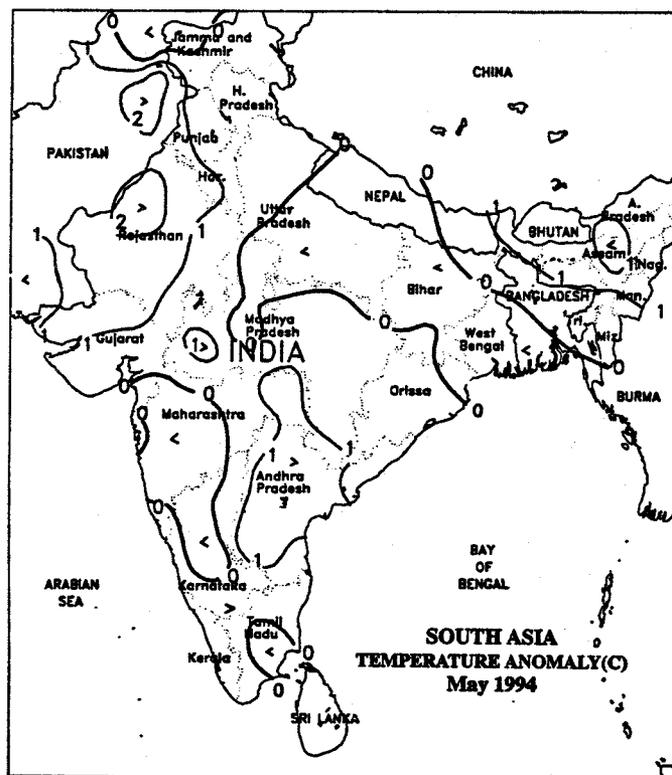
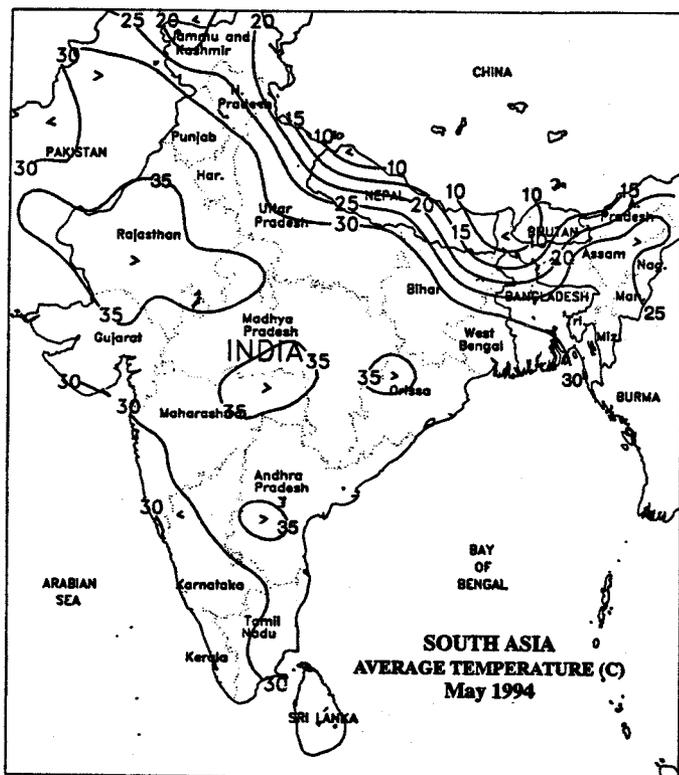
EUROPE: Drier weather prevailed over most of Europe, favoring early winter grain harvests in the south and promoting crop maturation in the northwest. Significant rain (10-50 mm) was concentrated mostly from Italy to western portions of Hungary and Romania. Heavier rain (50-148 mm) soaked former Yugoslavia for the second week. Variable showers (mostly less than 10 mm) fell over north-central and northeastern Europe, where unseasonably cool weather continued to slow crop growth. Weekly temperatures averaged 2-4 degrees C below normal in northeastern Europe. Soil moisture was generally favorable across Europe, with near- to above-normal May rainfall in the north providing beneficial topsoil moisture for crop establishment. Mostly below-average May rainfall across southern Europe, except for western Iberian Peninsula, raised some concern about sufficient soil moisture for crop development. However, early-June rains in southeastern Europe improved growing conditions.



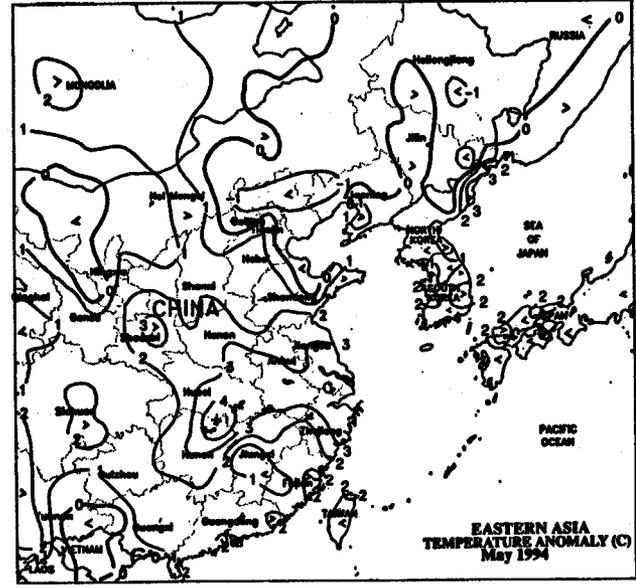
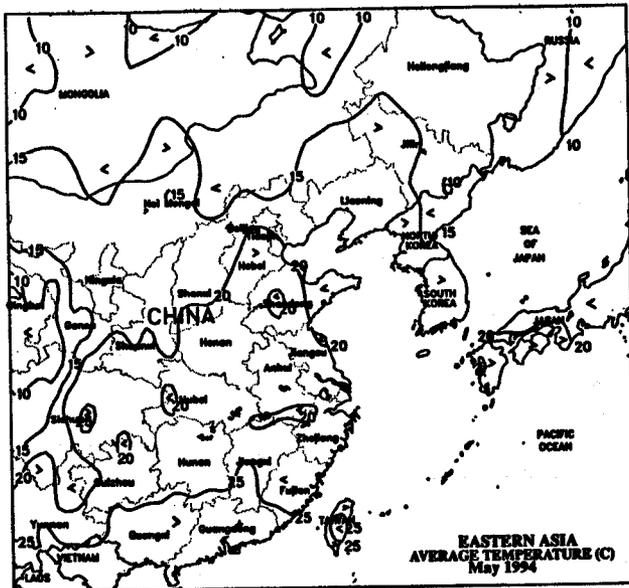
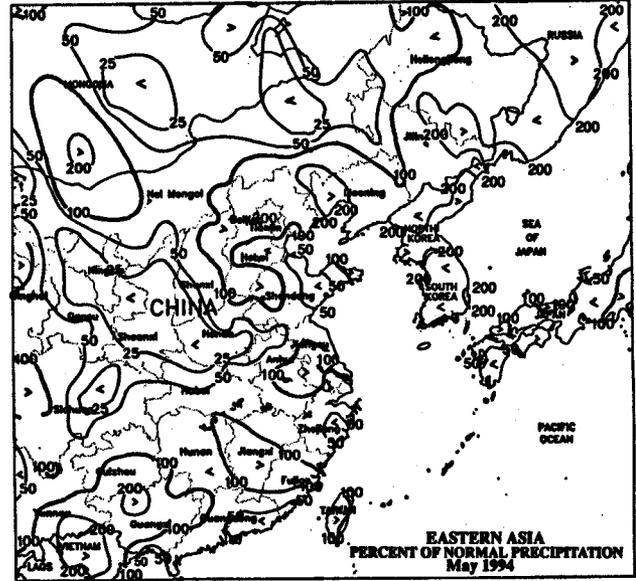
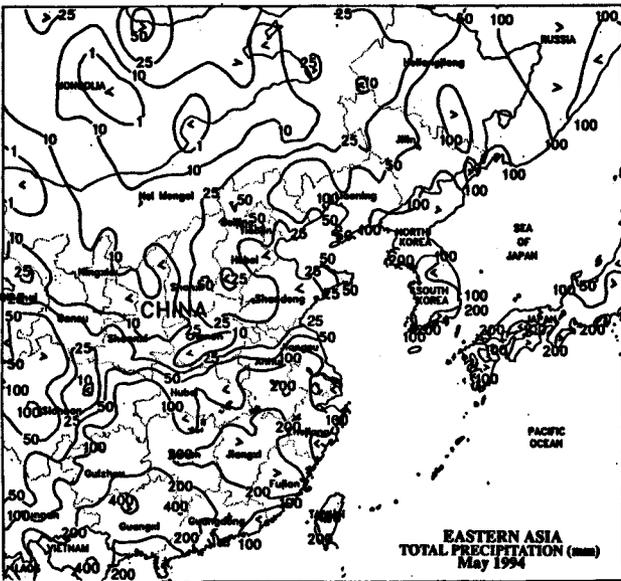


SOUTH ASIA: The southwest monsoon pushed further north, bringing beneficial pre-planting rains and somewhat lower temperatures to central India. Rainfall ranged from 50 to 100 mm or more over a broad area from Gujarat and Maharashtra eastward, increasing topsoil moisture for grain, oilseed, and cotton planting, while resulting in some isolated flooding. However, the heavy rain missed important groundnut areas of western Gujarat, as well as crop areas from central Maharashtra southward that received beneficial rain last week. In the north, hot, dry weather persisted ahead of the monsoon in Pakistan and northern India, stressing livestock and taxing moisture reserves. During May, near- to above-normal rainfall in rice areas of eastern India and Bangladesh increased moisture for summer crops. Moderate rain (25-89 mm) covered northern crop areas of Pakistan and India early in the month, boosting moisture reserves but having little impact on maturing winter wheat. Hot weather developed over central India in mid-May and spread northward by month's end.



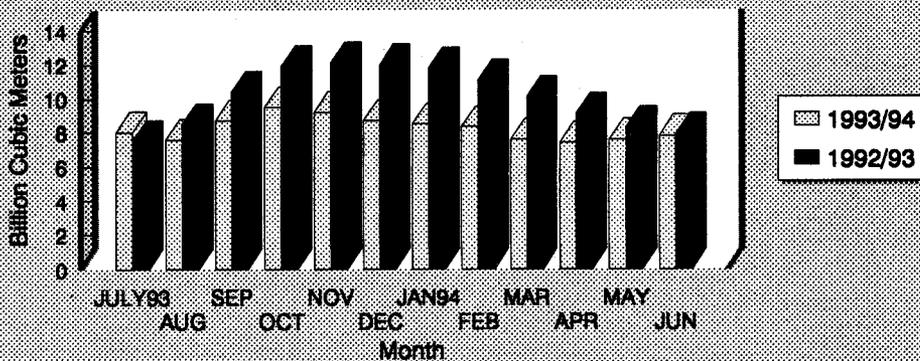


EASTERN ASIA: Scattered rain (5-20 mm, with isolated amounts greater than 50 mm) fell across the North China Plain, aiding vegetative summer crops. However, more rain is needed since the last significant rain occurred during early May. Light rain (5-15 mm) fell across Manchuria, where, along with the North China Plain, maximum temperatures ranged from 33 to 37 degrees C (2-4 degrees C above normal). Widespread showers (25-150 mm) covered southern China, keeping rice irrigation supplies high. However, extremely heavy rain (200-450 mm) fell in a band across northern Guangxi northeastward into Zhejiang, producing flooding and possible damage to rice paddies. Early double-crop rice was in the heading to mature stage, while late double-crop rice was being planting. Southern Japan (Kyushu Island) received heavy showers (100-250 mm), while the rest of Japan reported light to moderate showers (10-50 mm). During May, portions of Hebei and Shandong received near-normal rainfall due to early-month rains. Elsewhere in the North China Plain, May rainfall averaged from 25 to 60 percent of normal and, along with hot weather, stressed winter wheat. Southern China received near- to above-normal May rainfall. South Korea received much above-normal May rainfall. Northern Japan received near- to above-normal May rainfall, while the south reported near to slightly below-normal rainfall. Monthly temperatures across South Korea and Japan averaged 1-2 degrees C above normal.

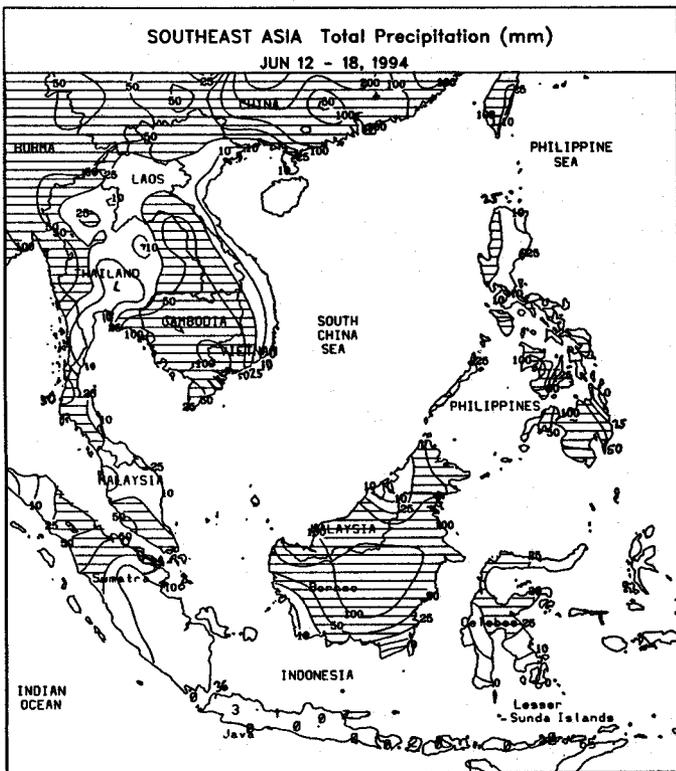


Thailand Reservoir Levels

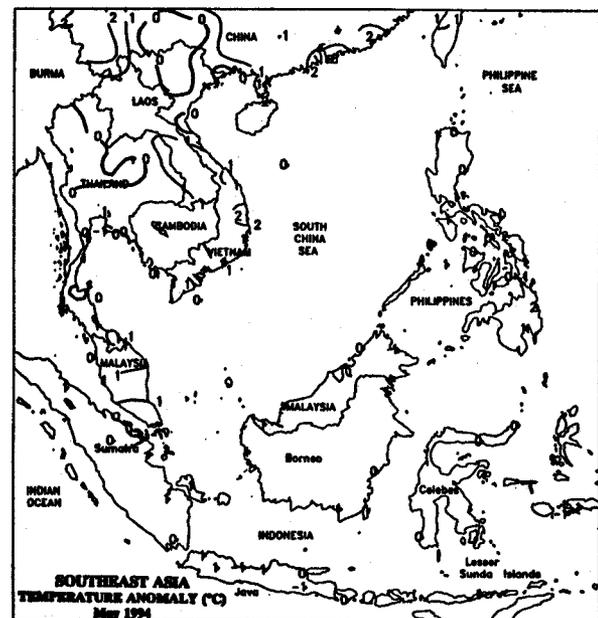
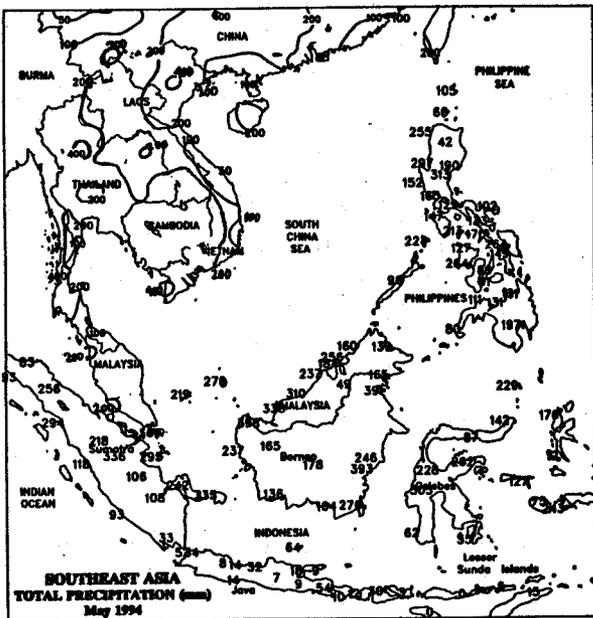
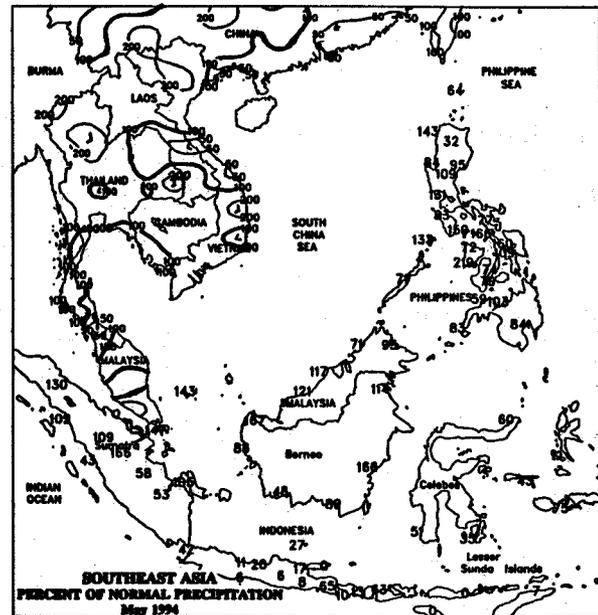
Bhumibol and Sirikit Reservoirs

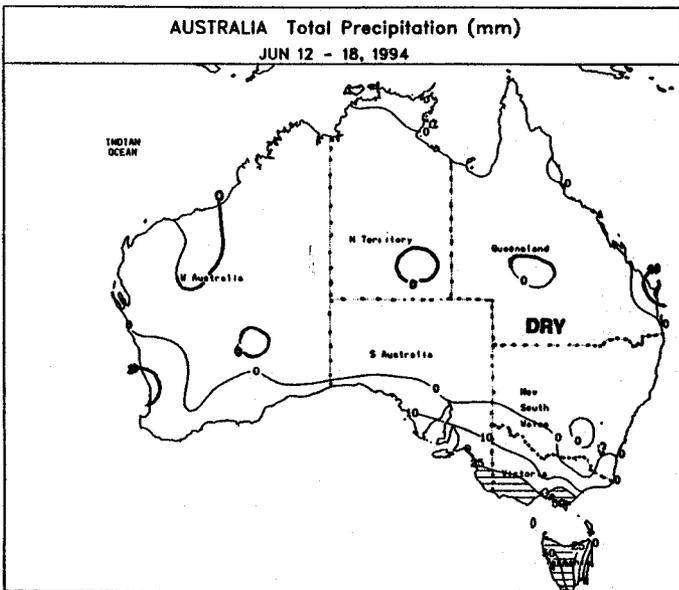


Source: U.S. Agricultural Counselor in Bangkok

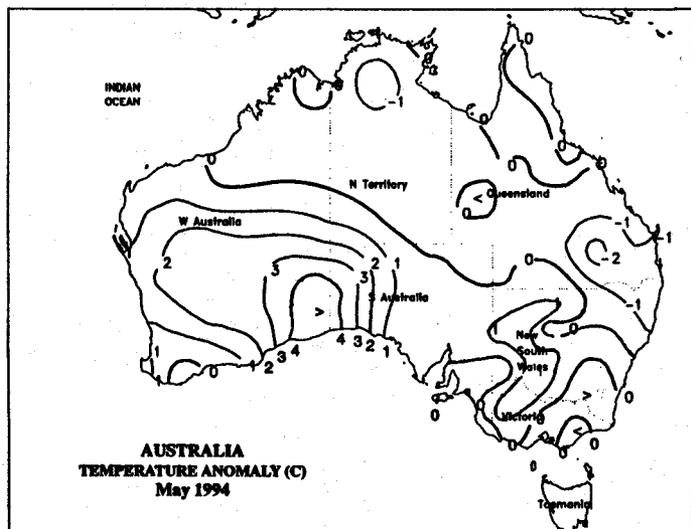
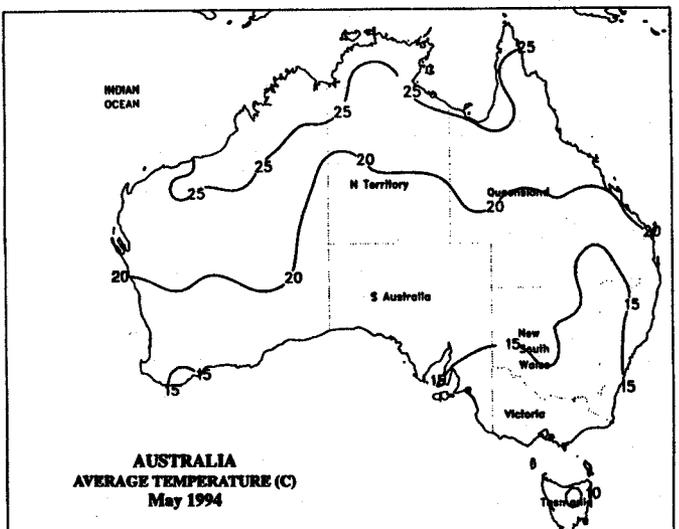
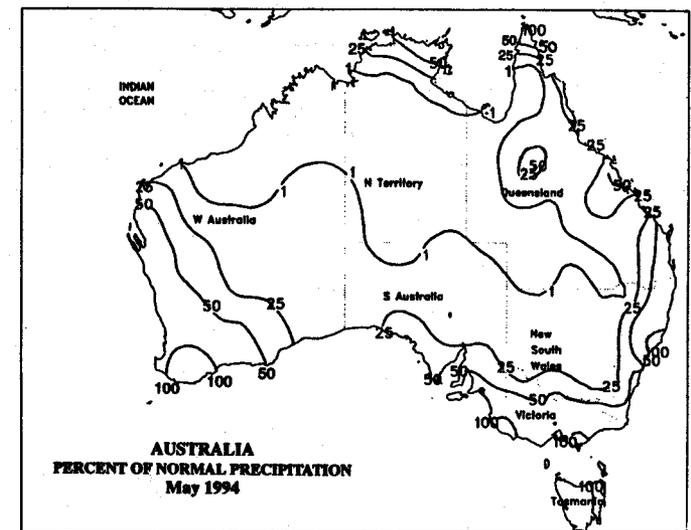
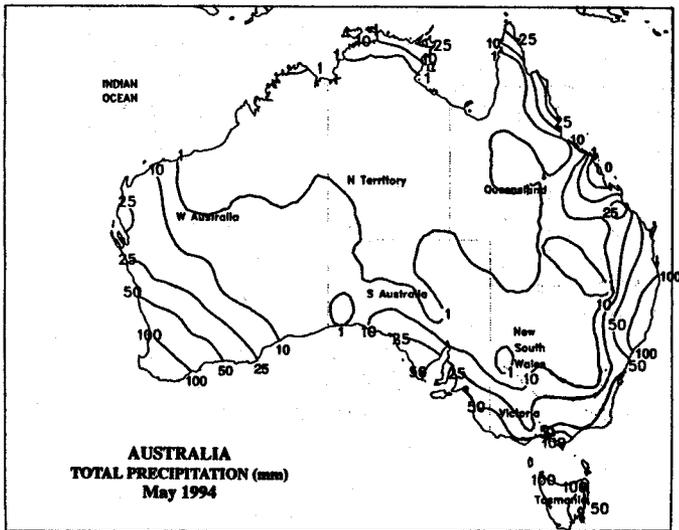


SOUTHEAST ASIA: Rainfall tapered off from recent weeks over rice areas in Indochina, with most areas reporting less than 35 mm. The exceptions were sections of the lower Mekong River from eastern Thailand to the Delta, which received 50-131 mm. More rain is needed soon for corn development in central Thailand. Variable rain (10-61 mm) covered rice and oil palm areas of Peninsular Thailand and western Malaysia. In the Philippines, moderate rain (15-35 mm, with local areas receiving 50-111 mm) benefited rice, corn, and sugarcane. In May, rainfall was near to above normal in most major crop areas, improving main-season planting prospects throughout Indochina and the Philippines. Flooding was likely in northern sections of Vietnam and Thailand from periods of inundating rain. The rainfall also brought some heat relief to Thailand's corn, but the current drying trend over the corn belt and Khorat Plateau developed in late May.



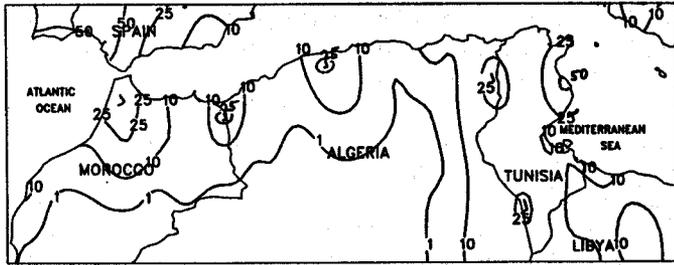


AUSTRALIA: Dry weather returned to Queensland and New South Wales wheat areas, where additional rain was still needed despite last week's rain. This region received 10-40 percent of normal May rainfall. Light to moderate rains (5-20 mm) fell across South Australia and Victoria, keeping topsoils moist for wheat planting. May rainfall averaged 50-80 percent across the wheat areas of those two states. Light rain (less than 10 mm) fell across the western wheat areas, where May rainfall averaged near to above normal. Weekly temperatures averaged 2-4 degrees C below normal across the east and near normal elsewhere.



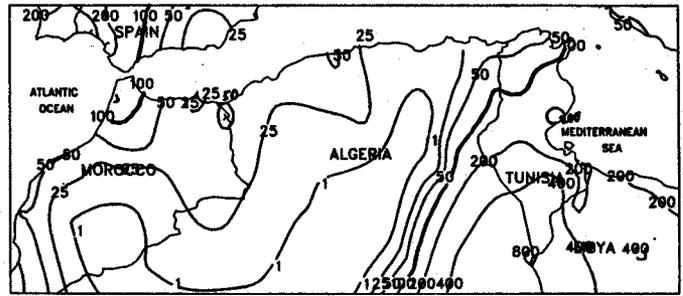
**NORTHWEST AFRICA
TOTAL PRECIPITATION (mm)**

May 1994



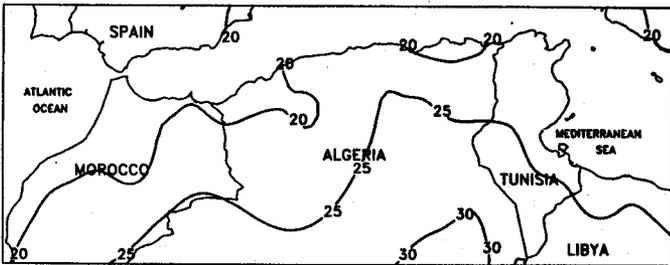
**NORTHWEST AFRICA
PERCENT OF NORMAL PRECIPITATION**

May 1994



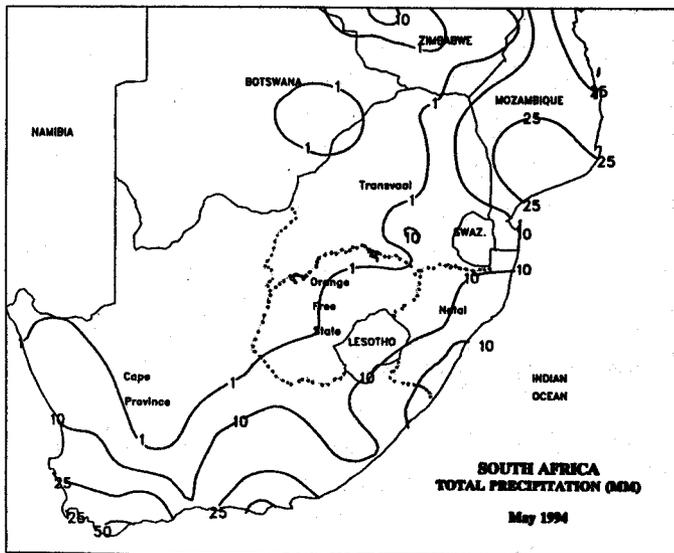
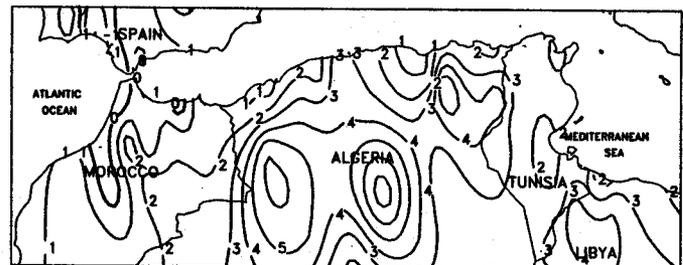
**NORTHWEST AFRICA
AVERAGE TEMPERATURE (°C)**

May 1994



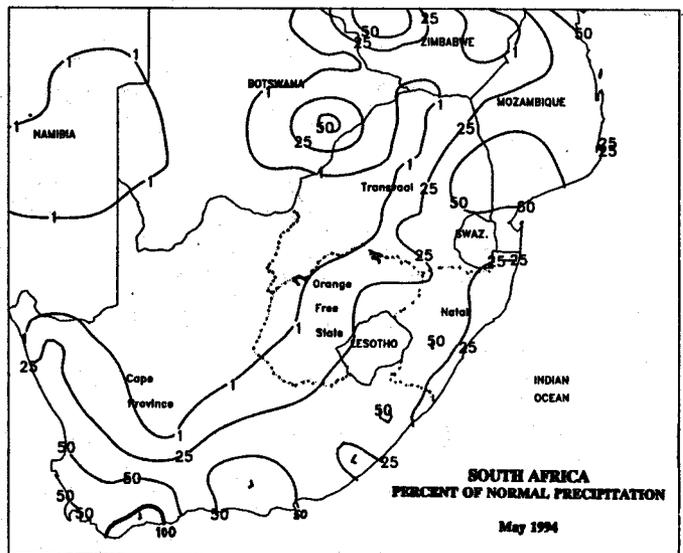
**NORTHWEST AFRICA
TEMPERATURE ANOMALY (°C)**

May 1994



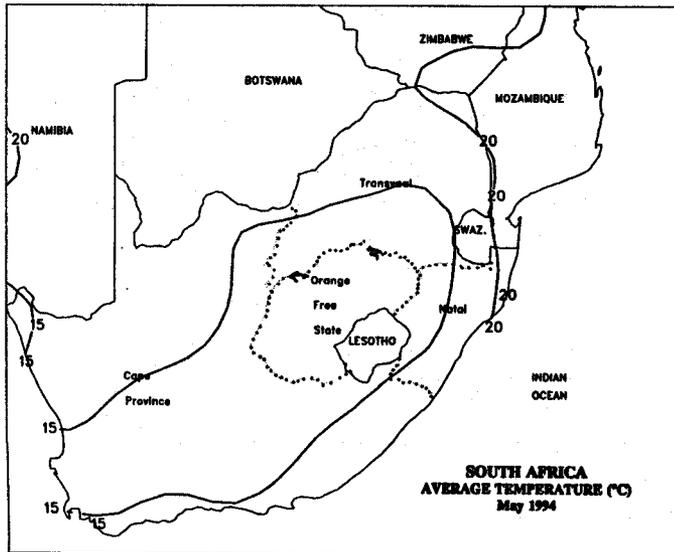
**SOUTH AFRICA
TOTAL PRECIPITATION (mm)**

May 1994



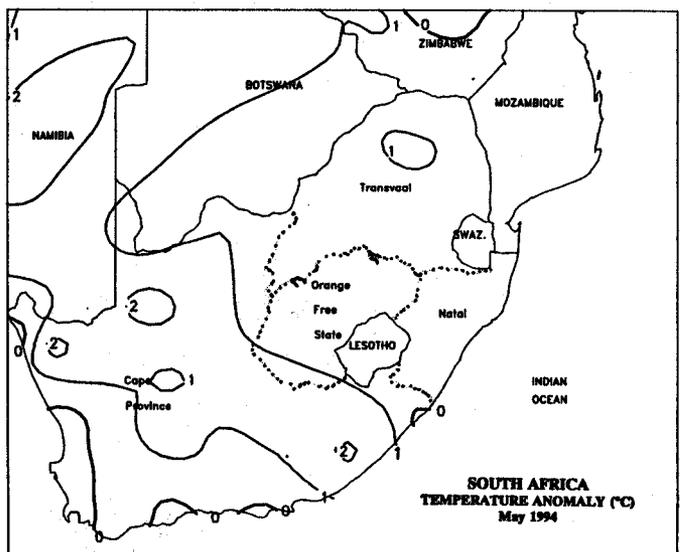
**SOUTH AFRICA
PERCENT OF NORMAL PRECIPITATION**

May 1994



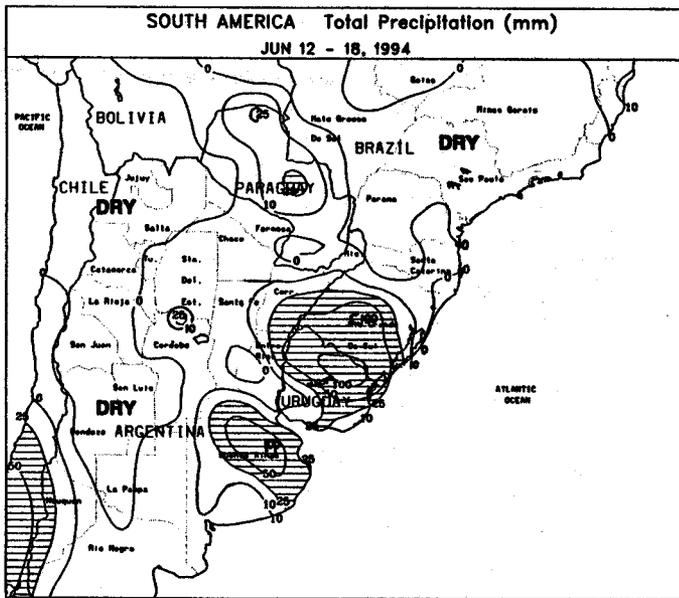
**SOUTH AFRICA
AVERAGE TEMPERATURE (°C)**

May 1994

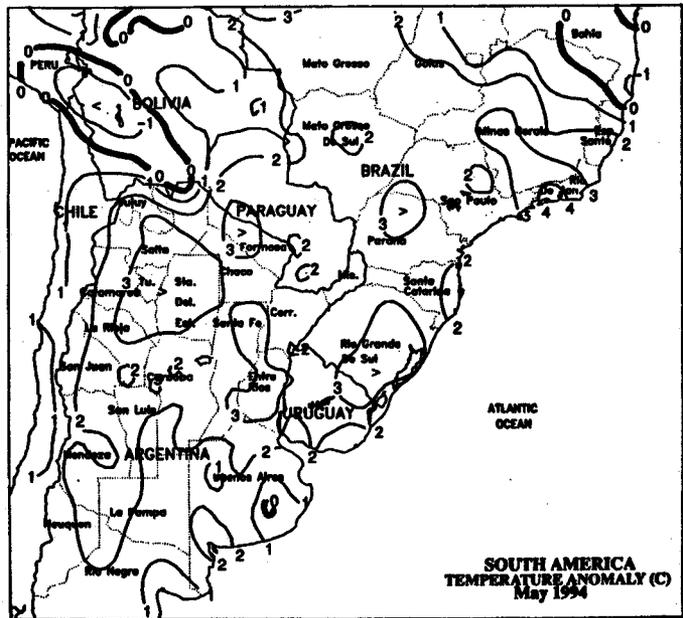
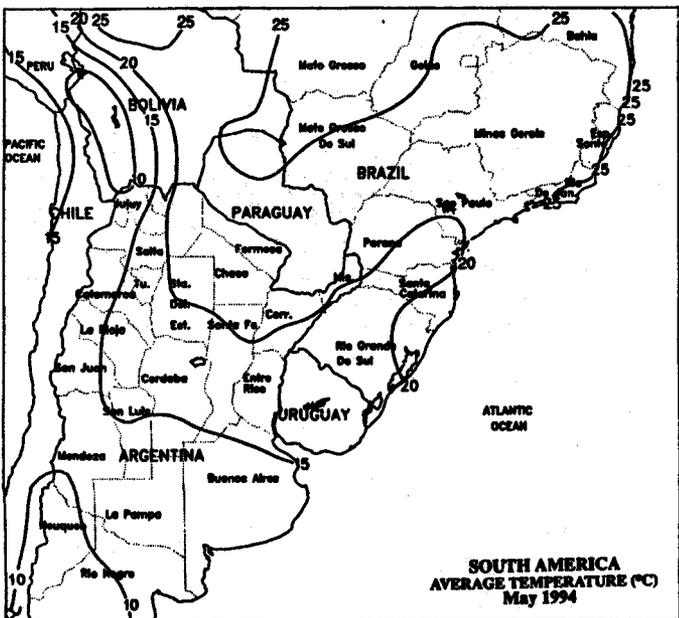
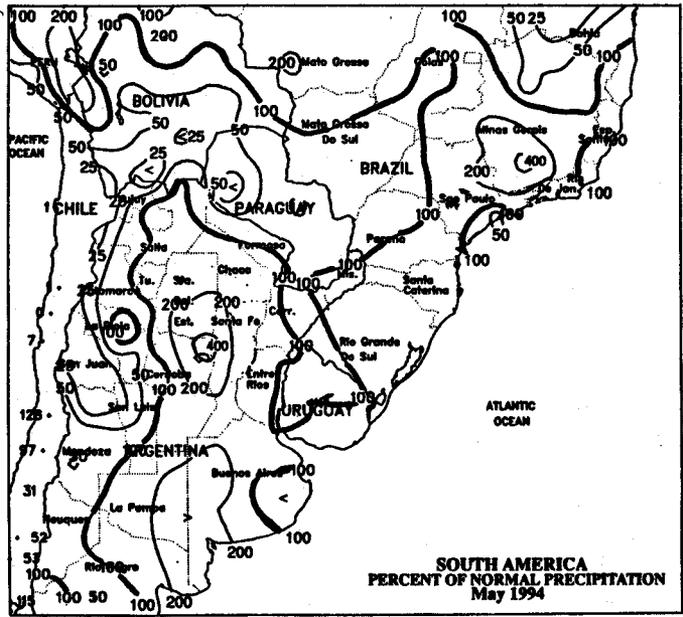
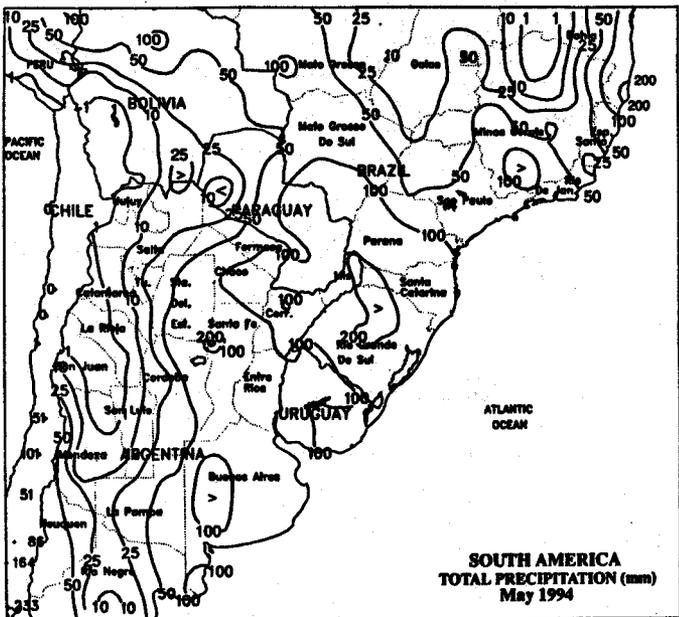


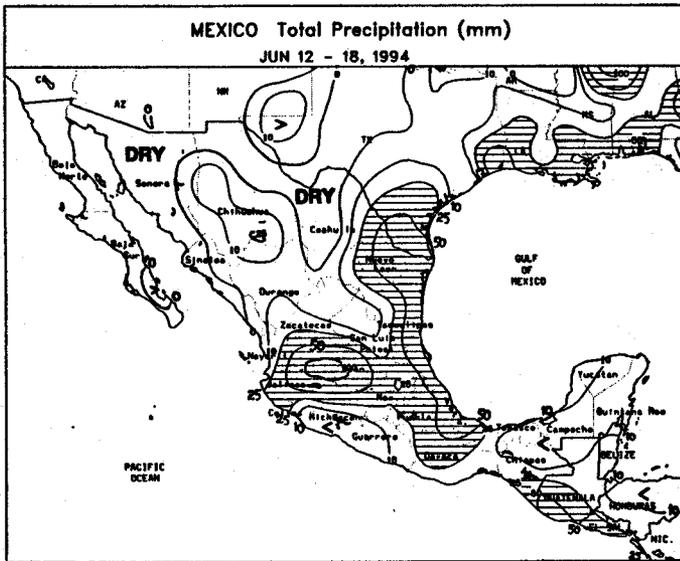
**SOUTH AFRICA
TEMPERATURE ANOMALY (°C)**

May 1994

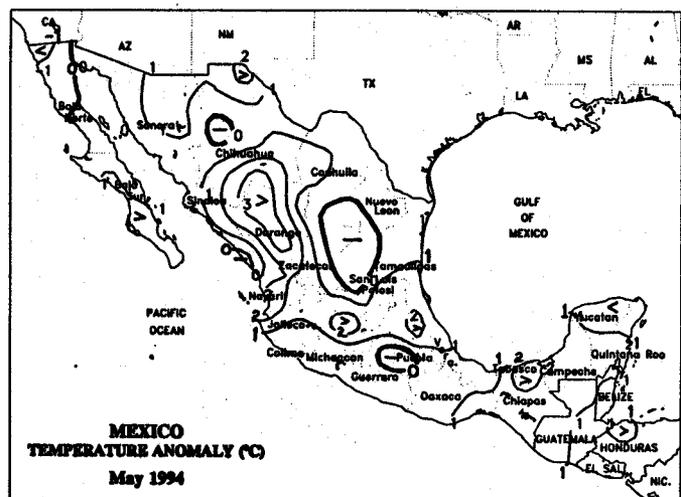
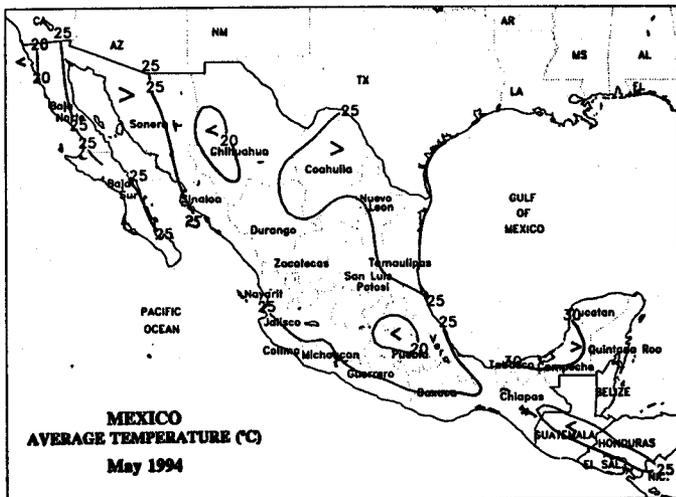
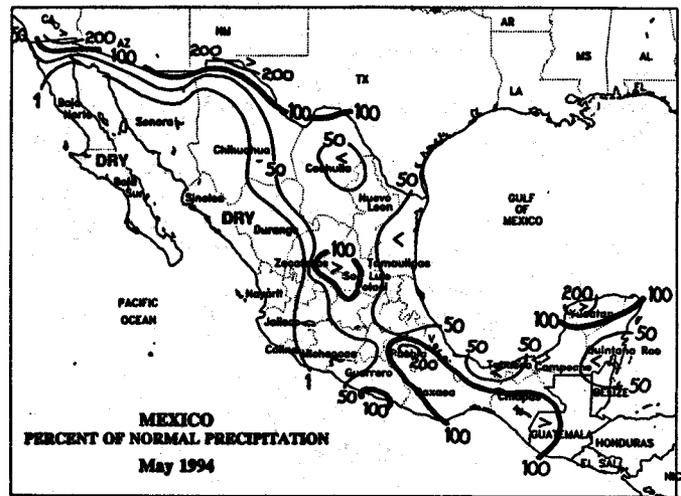
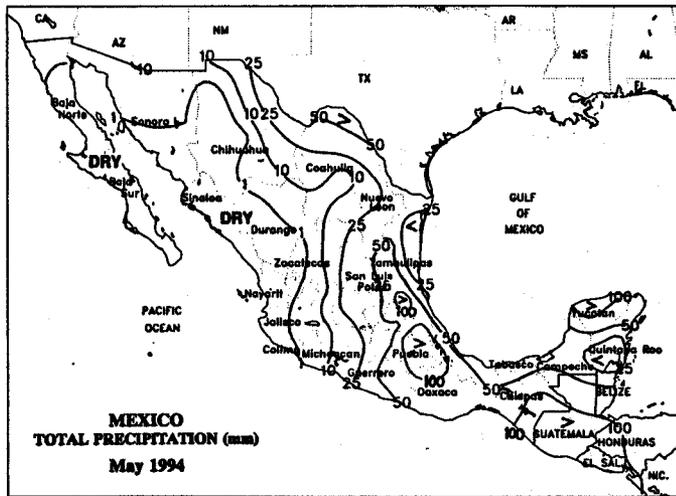


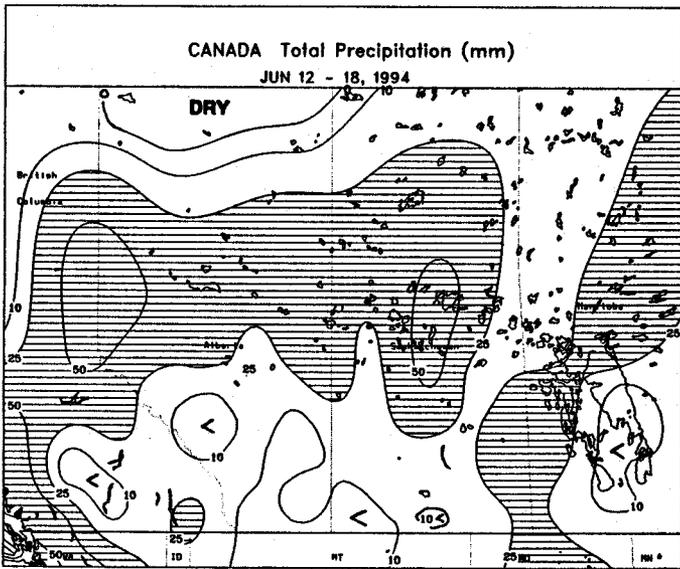
SOUTH AMERICA: In Argentina, light to moderate rain (10-35 mm, with isolated amounts ranging from 50 to 100 mm) fell across Buenos Aires, boosting topsoil moisture for winter wheat. Mostly dry weather (less than 5 mm of rain) allowed cotton harvesting to progress across northern Argentina, and southern Paraguay. During May, rainfall averaged above to much above normal across central Argentina, while the northern cotton areas received near-normal rainfall. In southern Brazil, drier weather allowed wheat planting to progress from Santa Catarina northward. Central and southern Rio Grande do Sul received moderate to heavy showers (20-80 mm), slowing wheat planting. In May, most of southern Brazil received near-normal rainfall, with portions of Rio Grande do Sul receiving greater than 150 percent of normal rainfall. Southern Minas Gerais reported over 200 percent of normal May rainfall. Weekly temperatures averaged 4-7 degrees C above normal across Argentina and southern Paraguay and 2-4 degrees C above normal across southern Brazil.



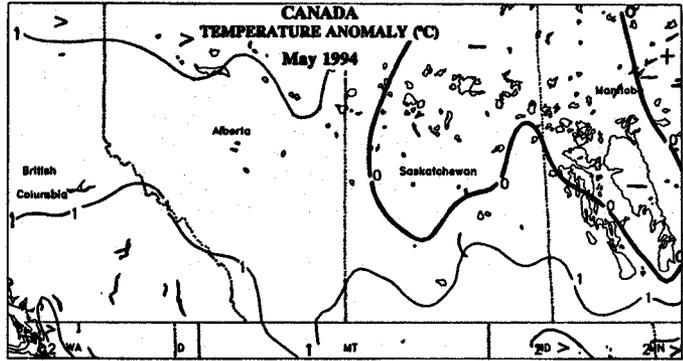
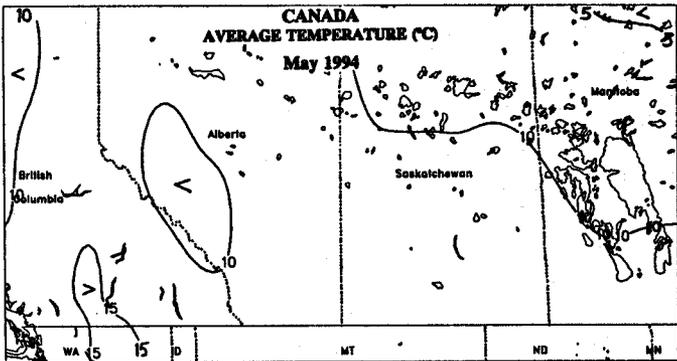
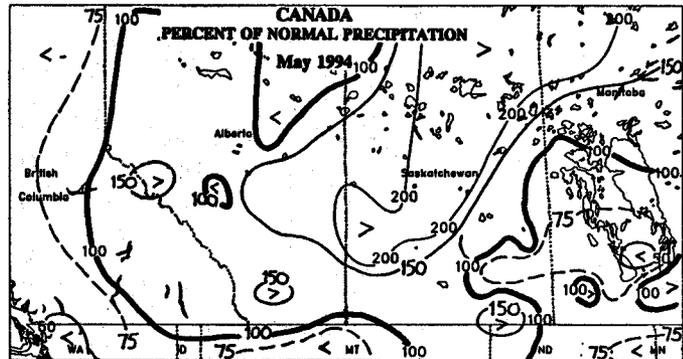
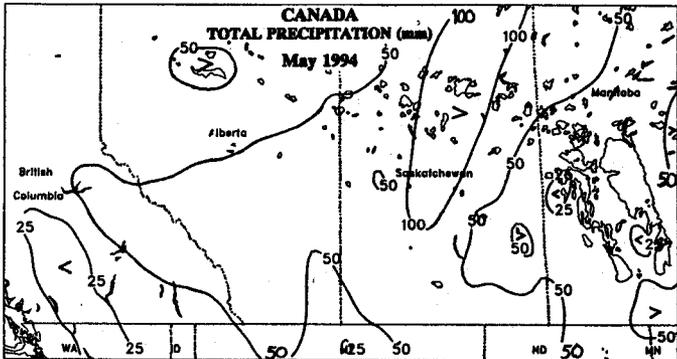


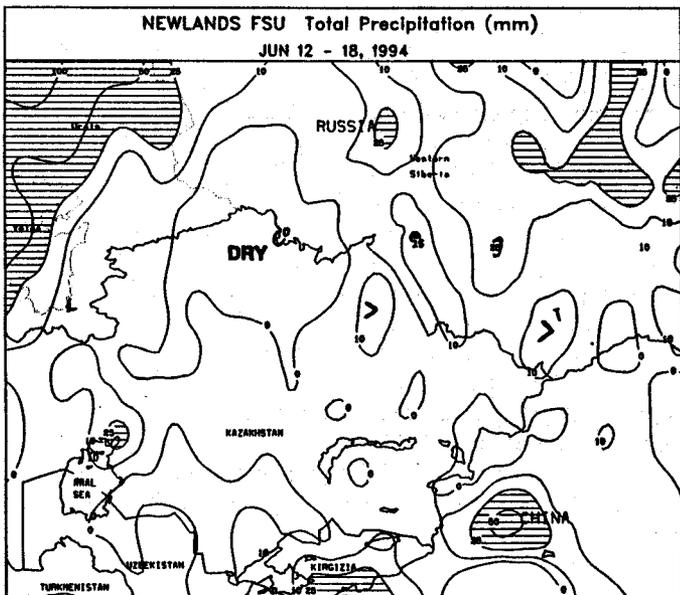
MEXICO: Widespread moderate to heavy showers (20-75 mm, with isolated amounts greater than 100 mm) fell across the Southern Plateau corn belt, increasing topsoil moisture for summer crops. The rain was especially beneficial across the western areas, where the rainy season had been slow to start. Moderate to heavy showers (40-90 mm) benefited citrus, coffee, and sugarcane along the coastal plains of Tamaulipas and Veracruz. Scattered light to moderate rain (10-30 mm) fell across southern Mexico and the Yucatan Peninsula. Weekly temperatures averaged near normal across most crop areas.



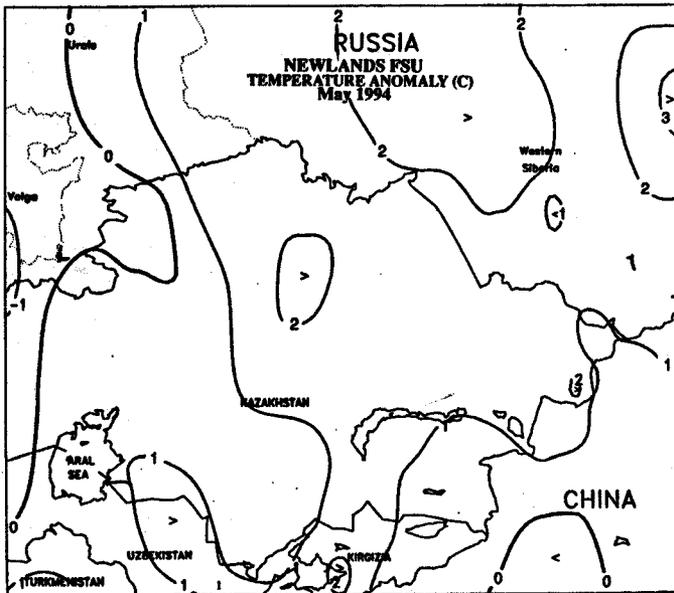
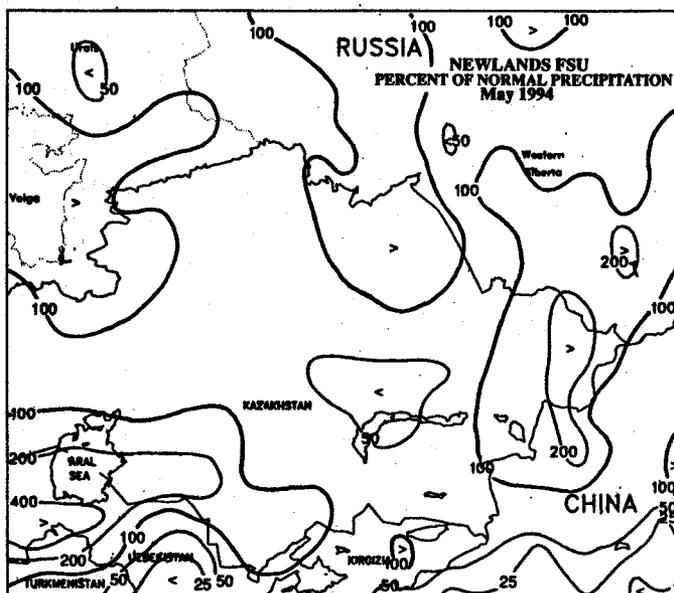
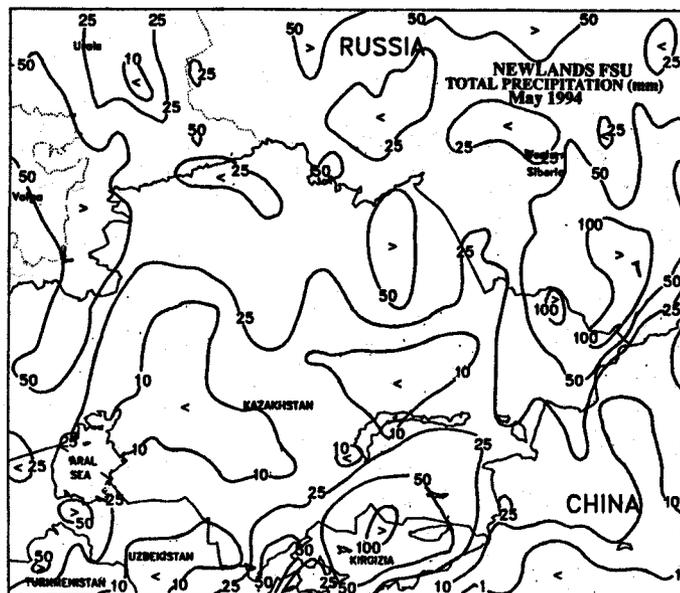


CANADA: Cool weather dominated the Prairies, with temperatures averaging 2-4 degrees C below normal. Scattered frost in western and northern fringe crop areas of Alberta and Saskatchewan burned back newly emerged crops and may have necessitated some replanting. Light to moderate showers (10-44 mm) covered most central and northern crop areas. In contrast, unusually warm weather (temperatures 5-6 degrees C above normal) dominated Ontario and Quebec, hastening crop growth and raising moisture requirements. Rainfall continued to be unfavorably light (10 mm or less) over much of Ontario, reducing moisture for corn and soybean establishment and winter wheat development. During May, timely showers improved planting prospects over most Prairie crop areas, with monthly precipitation totals reaching near- to above-normal levels over a 2-week period. Temperatures averaged slightly above normal, and the lack of frost aided crop germination and emergence. In Ontario, May rainfall was variable, with dry pockets developing over many locations by month's end.





FSU-NEW LANDS: In Kazakhstan, the fifth consecutive week of dryness was accompanied by hot weather, increasing stress on spring grains in the jointing stage. Highest weekly temperatures occurred from June 13 to 16, when maximum temperatures ranged from 33 to 35 degrees C. The prolonged dryness in Kazakhstan has likely hampered emergence of late-planted crops and reduced tillering. Widespread rain is needed to prevent significant declines in crop prospects. Cooler weather covered Kazakhstan by week's end but was accompanied by little, if any, precipitation. In contrast, moderate to heavy rain (25-50 mm, with local amounts in excess of 75 mm) soaked crop areas in the northern Urals. By week's end, scattered showers and cooler weather improved conditions for crops in the southern Urals and Western Siberia following early-week hot, dry weather. In May, significant rain over Kazakhstan was followed by drier weather that began around May 15 and continued until month's end. The dry weather favored rapid planting. In Russia, above-normal precipitation fell in the form of periodic showers.



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Crop Progress for the Week Ending June 19, 1994

SPRING WHEAT HEADED

ID	Current	Last Wk	1993	Avg.
ID	33	13	5	18
MN	21	3	11	20
MT	4	1	1	2
ND	8	0	2	11
SD	47	16	11	42
5 States	15	3	4	15

These 5 States produced 97% of the 1993 spring wheat crop.

WINTER WHEAT HEADED

AR	CA	CO	GA	ID	IL	IN	KS	MI	MO	MT	NE	NC	OH	OK	OR	SD	TX	WA
AR	44	32	34	48														
CA	35	15	35	41														
CO	0	0	0	0														
GA	94	91	86	81														
ID	0	0	0	0														
IL	0	0	0	8														
IN	1	0	0	6														
KS	25	0	0	15														
MI	0	0	0	0														
MO	8	0	5	14														
MT	0	0	0	0														
NE	0	0	0	0														
NC	49	26	45	48														
OH	0	0	0	0														
OK	75	31	17	48														
OR	0	0	0	0														
SD	0	0	0	0														
TX	44	35	53	45														
WA	0	0	0	0														
19 States	24	9	10	19														

These 19 States produced 92% of the 1993 winter wheat crop.

COTTON SQUARING

AL	AZ	AR	CA	GA	LA	MS	MO	NM	NC	OK	SC	TN	TX
AL	42	10	18	39									
AZ	90	75	75	78									
AR	56	32	18	22									
CA	25	10	25	40									
GA	62	44	40	39									
LA	67	33	31	47									
MS	79	44	25	38									
MO	12	11	14	15									
NM	28	0	11	30									
NC	15	6	14	22									
OK	7	5	4	4									
SC	28	10	23	22									
TN	45	8	24	17									
TX	24	19	25	18									
14 States	39	23	25	27									

These 14 States produced 99% of the 1993 cotton crop.

GRAIN SORGHUM PLANTED

AR	CO	IL	KS	LA	MS	MO	NE	NM	OK	SD	TX
AR	99	98	96	96							
CO	88	68	78	75							
IL	94	89	71	80							
KS	97	85	80	75							
LA	100	98	96	93							
MS	100	95	97	94							
MO	96	89	78	82							
NE	100	100	93	98							
NM	87	60	49	70							
OK	86	81	85	71							
SD	97	87	71	80							
TX	91	88	90	90							
12 States	95	88	85	84							

These 12 States produced 98% of the 1993 grain sorghum crop.

SOYBEANS PLANTED

AL	AR	GA	IL	IN	IA	KS	KY	LA	MI	MN	MS	MO	NE	NC	OH	SC	SD	TN
AL	75	72	77	75														
AR	80	73	65	63														
GA	81	74	76	75														
IL	98	96	88	93														
IN	97	97	95	89														
IA	100	100	80	93														
KS	95	90	80	80														
KY	71	65	62	64														
LA	87	84	86	75														
MI	100	100	95	95														
MN	99	99	*79	*92														
MS	93	90	72	68														
MO	87	83	70	73														
NE	100	100	94	98														
NC	74	60	80	73														
OH	100	100	100	100														
SC	62	50	70	70														
SD	100	98	65	91														
TN	70	55	77	66														
19 States	94	91	82	86														

(* Revised)
These 19 States produced 95% of the 1993 soybean crop.

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