

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

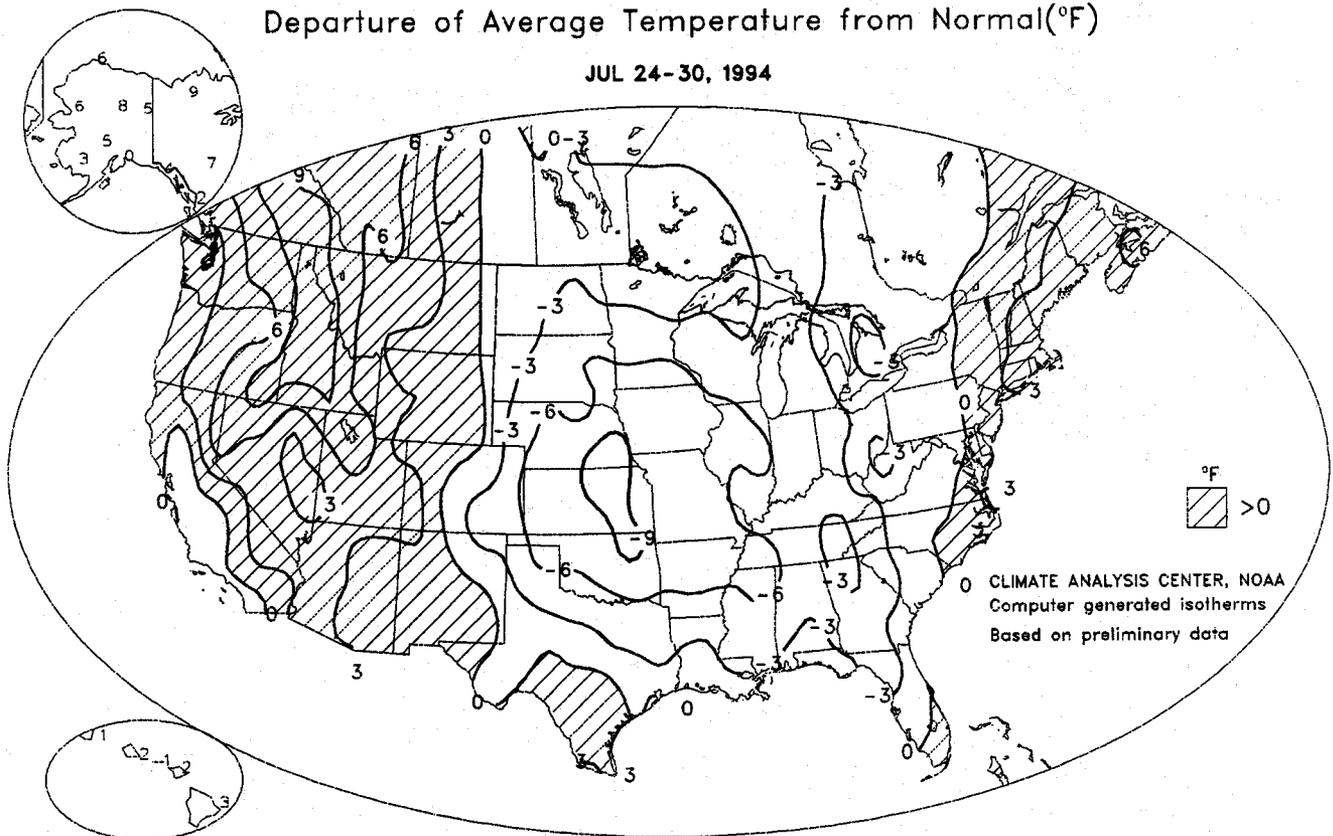
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Washington, D.C.

August 2, 1994

Departure of Average Temperature from Normal(°F)

JUL 24 - 30, 1994



HIGHLIGHTS

July 24 - 30, 1994

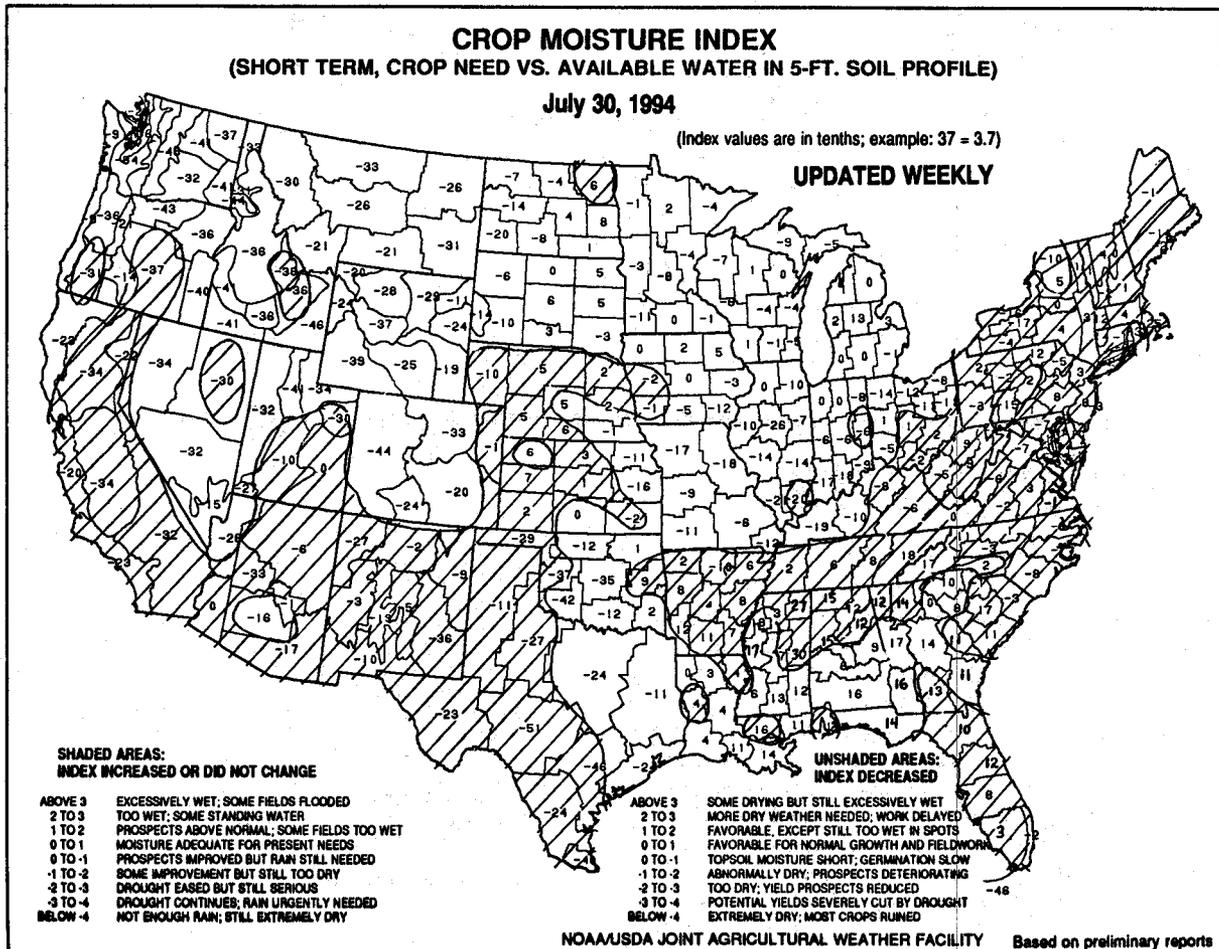
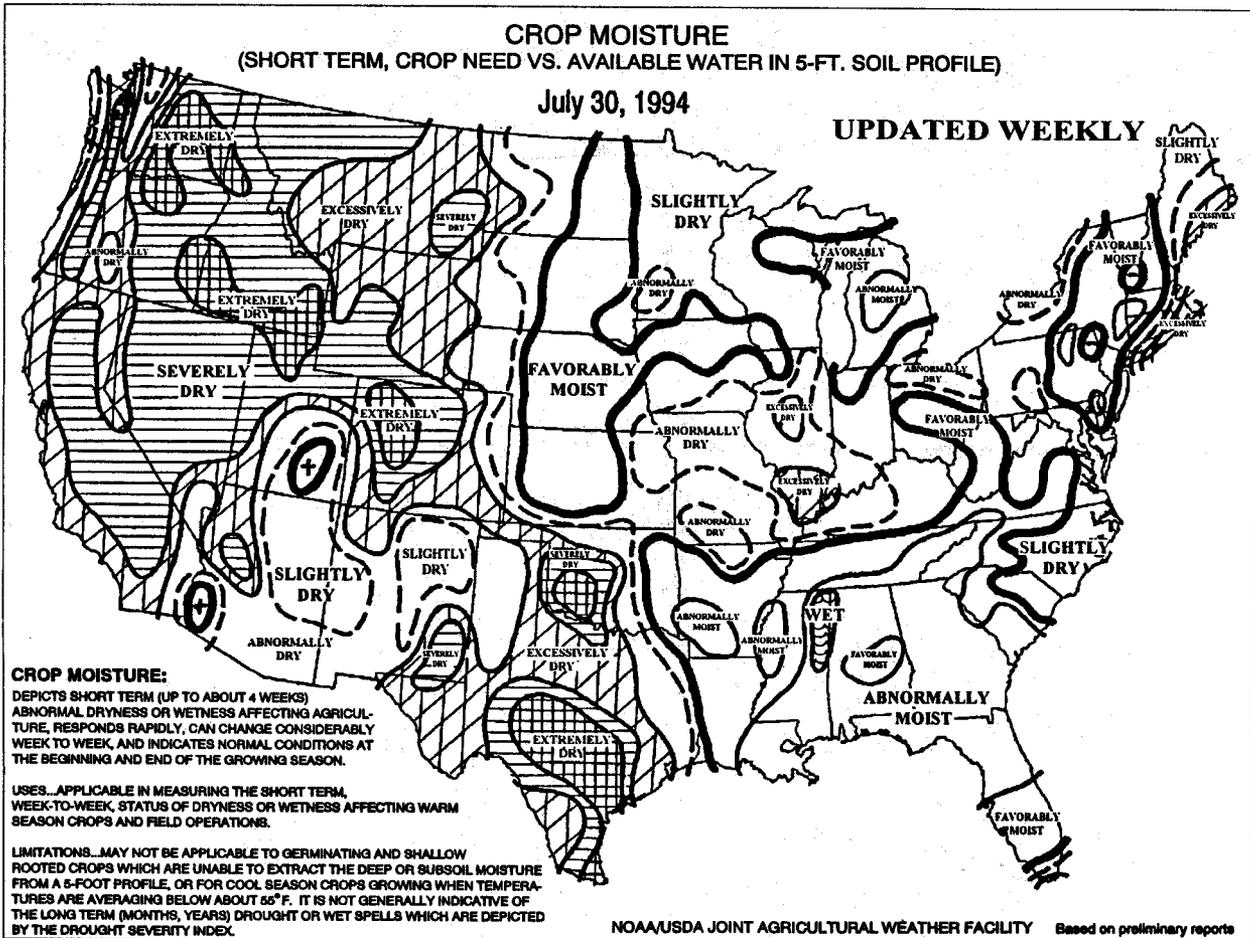
A tremendously amplified jet stream pushed a cold front southward between the Rockies and the Appalachians, keeping temperatures as much as 10°F below normal in the central Plains, and resulting in a rare late-July frontal passage for southern Texas and the Mississippi Delta. More than 100 daily record lows were established from midweek onward. Farther east, tropical moisture interacted with the slowly approaching front, generating heavy rainfall. Topsoils were favorably dampened from New England to the Middle Atlantic region, while unfavorably wet weather lingered across parts of the Southeast. In the West, jet stream energy arched northward, allowing hot, dry weather to persist. More than 40 daily record highs were set, mostly from Utah northward, and weekly temperatures averaged up to 10°F above normal in Idaho and neighboring areas. Lightning-induced fires flared in the

(Continued to p. 7)

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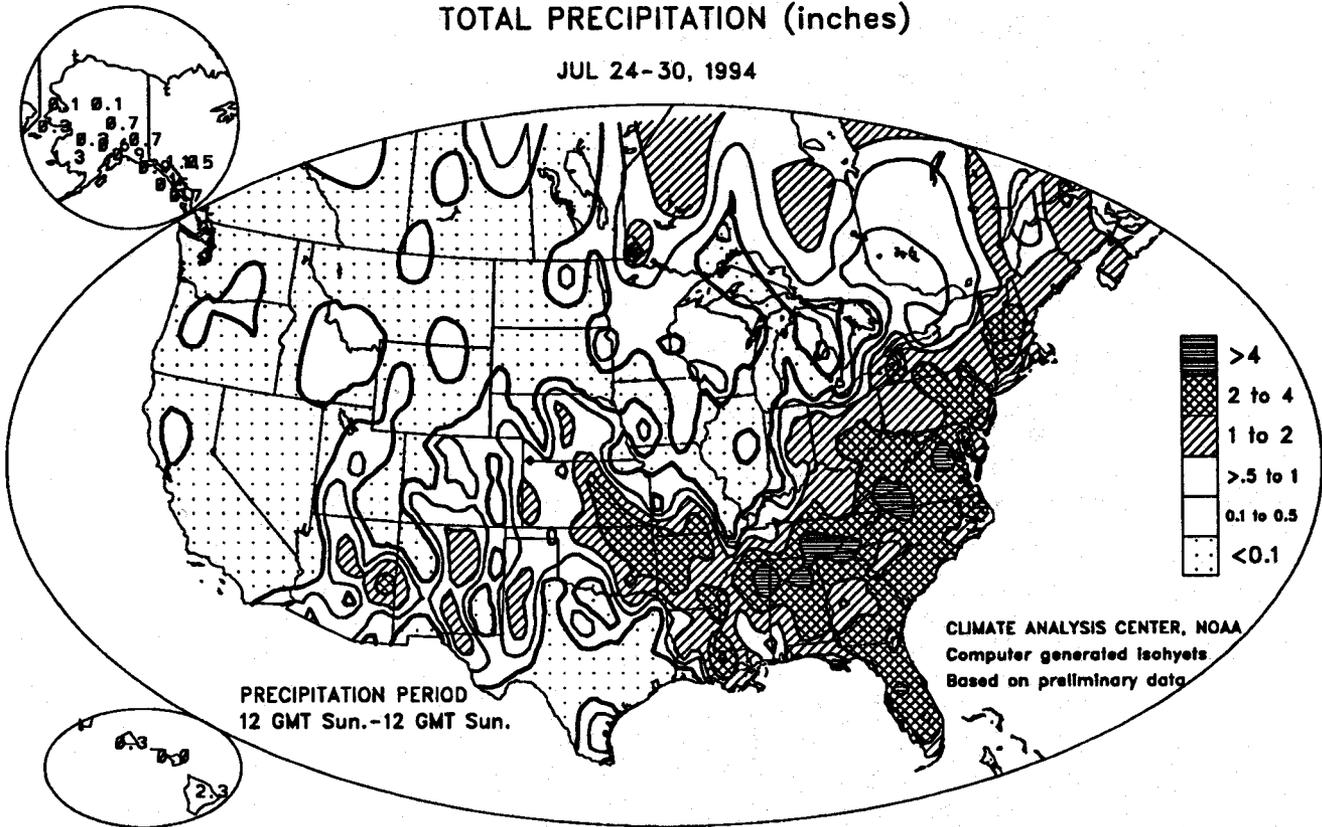
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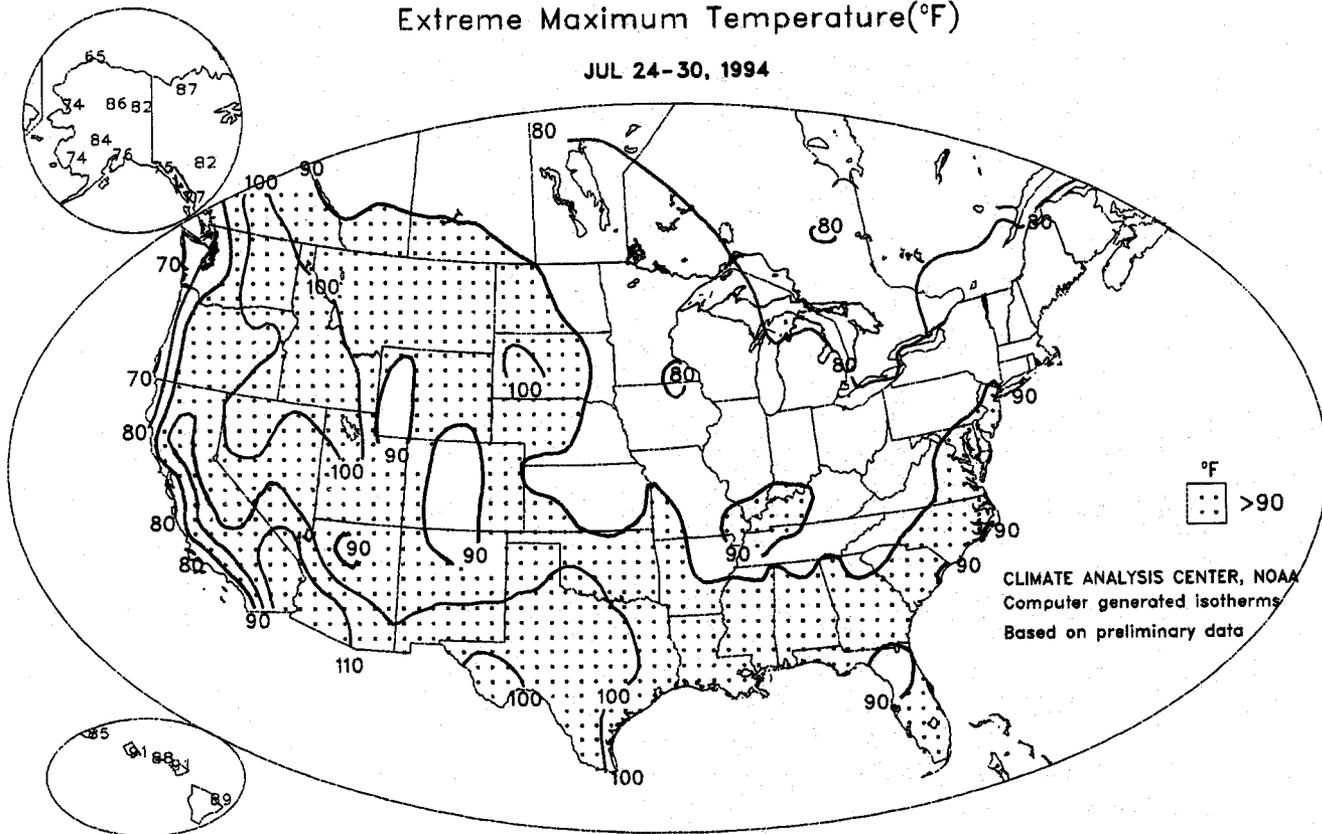
TOTAL PRECIPITATION (inches)

JUL 24-30, 1994



Extreme Maximum Temperature(°F)

JUL 24-30, 1994



National Weather Data for Selected Cities

Weather Data for the Week Ending July 30, 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	80 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE		
AL BIRMINGHAM	85	66	92	60	75	-5	2.2	1.0	1.2	13.1	149	38.2	110	95	57	1	0	0	0	3	2	
MOBILE	89	70	94	66	80	-3	1.9	-1.6	1.5	15.5	133	37.8	98	95	53	3	0	0	0	4	2	
MONTGOMERY	89	69	93	65	79	-1	1.9	0.7	1.0	15.1	144	35.9	102	93	56	3	0	0	0	4	2	
AK ANCHORAGE	57	52	76	47	60	1	.2	.3	.2	1.9	69	5.2	81	92	59	0	0	0	2	1	1	
BARROW	55	37	65	27	46	6	.7	.2	.7	56	1.2	64	96	69	0	2	2	2	1	1	0	
FAIRBANKS	80	56	86	51	68	6	.7	.3	.4	3.5	111	4.8	88	88	45	0	0	0	0	0	0	
JUNEAU	66	52	73	48	59	3	.1	-.9	.1	3.7	51	23.6	95	92	62	0	0	0	3	3	0	
KODIAK	60	50	65	46	55	-1	.4	-.5	.3	10.7	128	53.2	151	97	71	0	0	0	3	3	0	
NOME	62	48	71	43	55	3	.3	-.3	.2	1.8	56	4.6	71	92	67	0	0	0	3	1	0	
AZ PHOENIX	106	84	109	78	95	1	1.0	-.2	1.1	1.1	5	2.6	73	81	19	7	0	0	1	0	0	
PRESCOTT	92	66	96	62	80	6	1.0	-.2	.7	2.0	55	5.4	55	73	23	6	6	6	2	1	0	
TUCSON	104	76	107	68	90	4	.3	-.3	.2	2.7	26	3.4	65	62	18	7	0	0	2	2	0	
YUMA	111	87	117	84	99	4	.0	-.1	.0	11	.7	58	35	16	7	0	0	0	0	1	0	
AR FORT SMITH	86	68	97	62	77	-5	2.9	2.3	2.0	14.0	224	36.2	151	90	52	1	0	0	4	4	1	
LITTLE ROCK	84	67	87	62	75	-7	1.0	0.4	.6	12.3	169	36.9	130	92	59	0	0	0	3	1	1	
CA BAKERSFIELD	99	69	104	62	84	-1	.0	0.0	.0	1.0	0	4.2	110	61	21	7	0	0	0	0	0	
FUREEA	64	55	69	54	60	2	.0	0.0	.0	.8	125	19.5	93	92	71	0	0	0	0	0	0	
FRESNO	99	65	102	60	82	0	.0	0.0	.0	0	6.3	91	69	18	7	0	0	0	0	0	0	
LOS ANGELES	75	64	75	61	69	-1	.0	0.0	.0	0	6.2	81	89	59	0	0	0	0	0	0	0	
REDDING	101	62	104	57	82	0	.0	0.0	.0	0	4	15.0	79	60	12	7	0	0	0	0	0	
SACRAMENTO	92	56	100	54	74	-2	.0	0.0	.0	0	6.7	63	89	27	5	0	0	0	0	0	0	
SAN DIEGO	75	64	77	64	70	-2	.0	0.0	.0	.1	78	8.2	132	90	58	0	0	0	0	0	0	
SAN FRANCISCO	71	56	82	55	64	1	.0	0.0	.0	25	10.7	87	90	61	0	0	0	0	0	0	0	
CO DENVER	90	59	94	56	75	0	.0	0.0	.0	1.5	41	6.9	68	85	26	5	0	0	1	0	0	
GRAND JUNCTION	99	68	100	64	84	3	.0	0.0	.0	3	3.1	55	63	14	7	0	0	0	0	0	0	
PUEBLO	90	55	95	50	73	-5	.0	0.0	.0	2.6	80	8.6	127	91	31	5	0	0	0	0	0	
CT BRIDGEPORT	86	71	90	68	79	4	.6	-.2	.3	2.9	41	23.2	94	90	58	1	0	0	3	0	0	
HARTFORD	87	66	91	63	77	2	3.3	2.6	2.9	8.7	127	30.3	121	96	57	1	0	0	5	1	1	
DC WASHINGTON	87	70	95	66	78	-2	1.8	1.0	.7	5.2	74	25.3	115	97	63	2	0	0	5	2	0	
FL PANAMA CITY	85	72	88	70	79	-2	1.6	-.5	1.4	12.5	80	26.6	68	97	66	0	0	0	3	1	1	
DAYTONA BEACH	90	71	92	69	81	-1	2.4	1.2	.8	13.4	120	33.3	130	100	57	6	0	0	7	1	2	
JACKSONVILLE	88	73	91	72	81	-1	3.0	1.7	1.9	22.1	199	36.4	131	99	67	2	0	0	7	2	0	
KEY WEST	91	81	92	75	86	1	.3	-.5	.2	2.2	25	12.7	66	78	61	6	0	0	4	0	0	
MIAMI	90	76	91	72	83	0	.5	-.7	.3	8.0	54	26.0	86	86	57	5	0	0	3	0	0	
ORLANDO	90	72	92	71	81	-2	4.1	2.5	1.0	23.6	164	38.3	136	96	56	5	0	0	7	5	1	
TALLAHASSEE	87	70	94	67	79	-3	2.6	.6	.9	17.6	113	48.2	119	94	66	3	0	0	6	1	1	
TAMPA	89	74	91	71	82	-1	3.8	2.2	3.1	17.3	146	25.6	106	96	67	3	0	0	6	1	1	
WEST PALM BEACH	90	73	91	70	81	-2	2.4	1.1	1.6	14.7	106	38.7	122	95	59	4	0	0	7	1	1	
GA ATLANTA	86	70	92	66	78	-1	1.4	.3	1.1	18.0	214	38.6	119	91	60	1	0	0	3	1	1	
AUGUSTA	87	69	92	67	78	-3	1.2	-.2	1.2	8.4	102	25.1	89	99	62	2	0	0	3	1	1	
MACON	86	70	91	67	78	-3	1.3	.3	.7	23.2	299	41.4	143	97	58	2	0	0	4	1	1	
SAVANNAH	89	73	93	71	81	-1	2.0	-.4	.6	14.7	124	32.2	109	97	62	4	0	0	5	3	1	
HI HILO	86	72	89	69	79	3	2.3	0.0	1.4	24.2	155	92.5	124	93	68	0	0	0	6	1	0	
HONOLULU	90	77	91	76	84	3	.4	-.2	.4	.7	59	11.8	101	80	55	5	0	0	1	0	0	
KAUAI	88	75	91	73	81	2	.0	-.1	.0	1.4	219	9.0	69	80	58	1	0	0	0	0	0	
LIHUE	85	76	85	74	81	1	.0	-.4	.0	2.4	63	19.4	81	86	71	0	0	0	2	0	0	
ID BOISE	100	69	102	63	85	10	.0	-.1	.0	.3	30	5.0	69	48	19	7	0	0	0	0	0	
LEWISTON	99	69	105	65	84	8	.0	-.1	.0	1.3	68	5.9	78	40	15	7	0	0	1	0	0	
POCATELLO	99	54	102	51	76	5	.0	-.1	.0	.4	22	4.4	59	84	17	7	0	0	0	0	0	
IL CHICAGO	81	58	85	52	69	-4	.0	-.9	.0	7.7	106	16.2	82	87	40	0	0	0	0	0	0	
MOLINE	80	56	82	52	68	-7	.0	-.1	.0	10.5	116	19.1	83	97	48	0	0	0	0	0	0	
PEORIA	82	57	85	53	69	-6	.0	-.9	.0	3.2	40	12.1	56	92	44	0	0	0	1	0	0	
QUINCY	80	59	85	55	70	-7	.0	-.9	.0	3.0	36	12.4	55	83	41	0	0	0	0	0	0	
ROCKFORD	79	56	81	52	67	-6	.0	-.9	.0	8.3	97	17.5	85	99	47	0	0	0	0	0	0	
SPRINGFIELD	82	60	86	54	75	-6	.0	-.9	.0	8.0	117	23.6	114	93	46	0	0	0	1	0	0	
IN EVANSVILLE	86	64	93	60	75	-4	.2	-.9	.2	5.8	71	19.9	70	89	44	2	0	0	1	0	0	
FORT WAYNE	81	57	83	55	69	-5	.4	-.4	.2	6.8	98	19.3	95	97	49	0	0	0	4	0	0	
INDIANAPOLIS	82	62	86	57	72	-4	.3	-.8	.2	6.3	106	20.9	87	94	48	0	0	0	2	0	0	
SOUTH BEND	78	59	82	56	69	-4	.8	-.0	.5	10.1	129	18.5	84	94	53	0	0	0	3	1	0	
IA DES MOINES	81	58	85	55	70	-5	.2	-.7	.2	8.7	104	16.3	80	90	46	0	0	0	1	0	0	
SIOUX CITY	81	58	85	50	68	-8	.0	-.7	.0	7.5	109	12.6	78	96	51	0	0	0	0	0	0	
WATERLOO	79	55	81	51	67	-6	.6	-.4	.6	11.5	125	18.5	90	96	50	0	0	0	2	1	0	
KS CONCORDIA	81	58	87	51	70	-10	.7	-.1	.4	8.3	104	12.5	69	96	48	0	0	0	3	0	0	
DODGE CITY	86	60	90	54	73	-8	.3	-.3	.2	6.5	104	10.2	73	87	34	2	0	0	2	1	0	
GOODLAND	84	56	89	50	70	-6	1.2	-.6	1.1	4.9	81	9.8	77	90	35	0	0	0	2	1	0	
TOPEKA	83	59	89	54	71	-8	.2	-.5	.2	5.0	56	11.7	56	95	47	0	0	0	2	0	0	
WICHITA	82	62	87	57	72	-8	.8	-.1	.6	8.5	95	13.5	64	88	45	0	0	0	2	1	1	
KY BOWLING GREEN	85	64	91	58	74	-4	1.0	-.1	1.0	9.4	106	37.0	119	97	52	1	0	0	1	1	1	
LEXINGTON	82	62	89	56	72	-4	1.0	-.1	.6	6.1	72	31.9	117	94	56	0	0	0	3	1	1	
LOUISVILLE	85	65	91	61	75	-3	.3	-.7	.3	4.4	55	22.7	83	94	51	2	0	0	2	0	1	
LA BATON ROUGE	88	70	91	66	79	-3	2.9	1.3	2.7	15.3	139	43.2	118	97	54	2	0	0	2	1	0	
LAKE CHARLES	91	73	94	69	82	0	.0	-.2	.0	10.8	108	24.0	79	95	50	5	0	0	1	0	0	
NEW ORLEANS	89	70	93	65	79	-3	.5	-.9	.4	18.3	155	33.4	91	95	53	4	0	0	2	0	0	
SHERBOURNE	90	70	97	63	80	-2	.0	-.8	.0	9.3	118	31.1	104	90	47	4	0	0	1	0	0	

Based on 1961-90 normals.

Weather Data for the Week Ending July 30, 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	MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE		.50 INCH OR MORE	
																			OR MORE	OR MORE	OR MORE	OR MORE
ME CARIBOU	78	61	82	53	69	4	.6	-.4	.3	8.3	123	23.8	125	89	55	0	0	3	0	0	0	
ME PORTLAND	82	65	84	63	73	4	1.5	-.4	.3	3.0	46	24.2	98	97	65	0	0	4	1	0	0	
MD BALTIMORE	85	69	92	67	77	4	1.5	1.0	1.5	7.4	102	30.2	128	99	64	2	0	5	1	0	0	
MD SALISBURY	91	70	112	70	81	7	1.5	.3	.8	2.7	54	26.4	102	97	55	2	0	5	1	0	0	
MA BOSTON	89	73	91	70	81	7	1.5	.3	.8	2.7	46	25.9	110	91	51	4	0	3	1	0	0	
MA CHATHAM	80	64	83	62	72	3	.6	-.3	-.4	2.6	41	28.4	112	98	75	0	0	3	0	0	0	
MI ALPENA	77	53	80	50	65	6	.4	-.3	-.4	8.7	149	17.2	108	97	48	0	0	3	0	0	0	
MI DEPLOIT	81	62	85	58	72	1	.4	-.3	-.2	7.2	107	18.9	101	88	48	0	0	3	0	0	0	
MI FLINT	79	56	82	52	68	3	.4	-.3	-.4	9.4	160	19.5	120	92	48	0	0	3	0	0	0	
MI GRAND RAPIDS	78	58	81	54	68	3	.4	-.3	-.7	15.2	224	27.0	141	92	46	0	0	1	0	0	0	
MI HOGHTON LAKE	77	53	80	49	65	3	.5	-.1	-.5	6.5	118	15.6	98	85	47	0	0	2	0	0	0	
MI LANSING	79	55	82	51	67	2	.5	-.6	-.6	9.4	160	19.0	115	86	47	0	0	2	0	0	0	
MI MARQUETTE	75	53	84	49	64	4	.2	-.6	-.6	3.9	63	12.9	69	90	46	0	0	2	0	0	0	
MI MONTICELLO	76	56	79	50	66	2	.2	-.4	-.1	7.5	170	17.8	110	93	46	0	0	1	0	0	0	
MI SAGLE ST. MARIE	73	50	81	44	61	3	.5	-.5	-.5	6.5	113	16.5	96	97	57	0	0	1	0	0	0	
MN ALEXANDRIA	78	58	85	54	68	4	.4	-.3	-.4	3.9	55	10.0	66	90	43	0	0	2	0	0	0	
MN DULUTH	75	55	81	52	65	2	.1	-.8	-.1	6.5	88	16.1	97	88	47	0	0	3	1	0	0	
MN INT'L FALLS	77	53	85	46	65	2	.6	-.1	-.6	8.6	116	13.1	93	94	44	0	0	2	2	0	0	
MN MINNEAPOLIS	79	57	83	54	68	6	.1	-.7	-.1	7.2	96	15.4	91	87	45	0	0	0	0	0	0	
MN ROCHESTER	76	54	78	51	65	5	.1	-.9	-.1	6.1	78	16.5	96	94	53	0	0	2	2	0	0	
MS GREENWOOD	86	67	92	61	77	5	.5	-.4	-.3	12.1	144	31.5	93	98	53	1	0	0	0	0	0	
MS JACKSON	86	67	92	61	77	5	.6	-.4	-.4	11.3	159	38.0	111	95	52	2	2	2	2	1	0	
MS MERIDIAN	88	67	93	61	78	4	1.8	-.6	1.6	16.6	192	47.0	131	94	55	1	0	3	2	1	0	
MS CAPE GIRARDEAU	87	63	92	56	75	5	.1	-.7	-.1	4.4	64	23.2	83	93	43	0	0	2	2	0	0	
NC COLUMBIA	83	59	89	56	71	7	.2	-.7	-.1	4.3	57	22.6	101	93	47	0	0	0	0	0	0	
NC KANSAS CITY	83	59	90	52	71	8	.2	-.7	-.2	5.3	59	15.9	73	94	43	1	0	0	0	0	0	
NC SALT LOUIS	84	65	88	60	74	6	.4	-.8	-.8	3.6	48	20.5	91	87	44	0	0	0	0	0	0	
NC SPRINGFIELD	83	60	91	53	72	7	.3	-.3	-.3	7.7	97	29.1	120	91	48	1	0	3	0	0	0	
MT BILLINGS	90	63	97	57	77	3	.1	-.1	-.0	4.0	138	8.8	88	80	23	5	5	3	0	0	0	
MT GLASGOW	91	58	96	50	74	3	.2	-.2	-.2	2.8	75	6.4	91	78	20	5	0	1	0	0	0	
MT GREAT FALLS	93	59	96	56	76	7	.3	-.2	-.2	2.3	64	7.2	72	77	22	6	6	0	0	0	0	
MT HAVRE	94	58	97	52	76	5	.3	-.0	-.3	4.2	135	5.1	70	79	21	5	0	1	0	0	0	
MT HELENA	92	58	98	54	75	5	.1	-.1	-.1	1.6	53	5.2	69	79	26	5	0	2	0	0	0	
MT KALISPELL	91	53	95	46	72	7	.2	-.2	-.2	2.2	67	7.1	72	88	26	5	0	0	0	0	0	
MT MILLS CITY	94	60	101	50	77	1	.2	-.3	-.2	1.3	31	5.4	57	49	18	5	0	1	0	0	0	
MT MISSOULA	97	59	101	55	78	10	.1	-.1	-.1	2.4	90	8.5	101	80	26	6	0	3	0	0	0	
NE GRAND ISLAND	81	57	87	50	69	8	.2	-.4	-.2	9.2	138	14.9	93	93	48	0	0	2	0	0	0	
NE LINCOLN	80	56	86	47	68	10	.2	-.5	-.2	8.0	115	12.5	73	97	48	0	0	2	0	0	0	
NE NORFOLK	82	56	86	51	69	7	.5	-.2	-.3	14.3	189	19.1	114	92	44	0	0	2	0	0	0	
NE NORTH PLATTE	83	55	91	47	69	6	.2	-.5	-.2	9.5	149	13.0	94	94	46	1	0	1	0	0	0	
NE OMAHA	82	57	87	52	69	8	.2	-.6	-.1	12.5	172	17.9	99	94	48	0	0	3	0	0	0	
NE SCOTTSBLUFF	88	56	96	50	72	2	.1	-.3	-.1	5.4	115	10.5	95	88	26	2	0	1	0	0	0	
NE VALENTINE	86	53	99	45	70	6	.2	-.6	-.1	5.8	87	9.8	67	84	31	1	0	2	0	0	0	
NV ELY	94	52	97	47	73	5	.2	-.1	-.2	3	3	5.5	90	84	12	7	0	1	0	0	0	
NV LAS VEGAS	109	84	112	81	97	5	.0	-.1	-.0	.1	24	.8	34	32	11	7	0	0	0	0	0	
NV RENO	97	61	101	55	79	7	.2	-.1	-.2	.1	12	3.2	69	71	12	7	0	0	0	0	0	
NV WINNEVOCCA	101	60	103	50	80	7	.0	-.1	-.0	.4	33	4.7	95	73	10	7	0	0	0	0	0	
NH CONCORD	85	64	90	61	74	4	1.8	1.0	1.7	6.0	94	22.0	109	97	54	1	0	3	1	0	0	
NH ATLANTIC CITY	85	68	89	67	77	1	.4	-.6	-.2	4.7	75	27.2	116	98	69	0	0	4	0	0	0	
NH ALBUQUERQUE	94	65	98	62	79	1	.3	-.1	-.2	.7	35	3.5	81	72	24	7	0	4	0	0	0	
NH CLOVIS	90	64	98	59	77	0	.7	-.1	-.5	3.2	59	7.6	81	82	32	3	0	4	1	0	0	
NH ROSWELL	96	69	102	66	83	2	.2	-.4	-.2	.2	5	5.1	86	65	24	7	0	1	0	0	0	
NY ALBANY	82	63	88	59	73	0	.9	-.2	-.5	7.6	113	23.6	114	97	55	0	0	5	0	0	0	
NY BINGHAMTON	78	60	82	56	69	0	1.0	-.2	-.4	11.3	161	27.2	129	96	60	0	0	5	0	0	0	
NY BUFFALO	80	61	83	56	70	0	1.2	-.5	-.5	6.4	98	20.9	103	88	47	0	0	4	0	0	0	
NY NEW YORK	88	73	92	70	80	3	1.7	-.7	-.8	7.0	93	27.6	112	88	53	1	0	3	2	0	0	
NY ROCHESTER	82	61	86	54	71	1	.4	-.2	-.3	3.0	53	15.6	90	94	45	0	0	3	0	0	0	
NY SYRACUSE	81	61	86	56	71	0	.3	-.6	-.1	5.0	67	23.8	111	94	50	0	0	4	0	0	0	
NC ASHEVILLE	80	63	85	60	71	2	2.0	-.8	1.8	12.6	134	35.7	110	99	63	0	0	3	1	0	0	
NC CHARLOTTE	87	71	91	68	79	1	1.4	-.5	-.2	7.4	103	22.3	87	92	56	2	0	3	0	0	0	
NC GREENSBORO	84	67	90	64	75	2	2.5	1.5	1.1	8.1	98	22.4	89	98	64	1	0	4	3	0	0	
NC HATTIESBURG	87	74	89	70	81	2	1.6	-.4	-.8	7.1	80	30.5	101	93	69	0	0	4	2	0	0	
NC NEW BERN	89	74	93	73	82	2	1.1	-.6	1.0	4.3	35	21.3	66	97	58	3	0	2	1	0	0	
NC RALEIGH	86	70	91	68	78	0	2.6	1.7	-.9	6.7	89	22.9	91	95	68	1	0	6	2	0	0	
NC WILMINGTON	88	74	91	70	81	1	1.4	-.2	-.6	7.2	63	29.3	91	97	61	3	0	4	1	0	0	
ND BISMARCK	86	49	93	43	67	4	.0	-.4	-.0	5.1	107	8.4	82	94	35	3	0	0	0	0	0	
ND FARGO	81	55	87	50	68	3	.2	-.4	-.2	8.3	152	14.0	117	89	43	0	0	1	0	0	0	
ND GRAND FORKS	87	51	97	42	69	2	.2	-.4	-.2	10.1	184	14.2	129	88	36	0	0	0	0	0	0	
ND WILLISTON	87	55	87	50	69	2	.2	-.4	-.2	4.3	99	10.4	113	86	23	2	0	0	0	0	0	
OK AKRON-CANTON	78	60	83	57	69	3	.8	-.1	-.3	6.0	85	24.0	111	97	57	0	0	4	0	0	0	
OK CINCINNATI	81	61	86	56	71	5	.8	-.1	-.7	9.7	123	25.4	100	97	58	0	0	3	1	0	0	
OK CLEVELAND	79	61	84	57	70	2	1.3	-.5	-.1	5.8	82	15.9	76	95	50	0	0	4	0	0	0	
OK COLUMBUS	81	62	86	60	72	1	1.7	-.9	1.1	7.9	106	20.6	92	95	53	0	0	4	2	0	0	
OK DAYTON	83	62	86	57	73	2	.3	-.5	-.3	8.4	116	23.7	106	93	51	0	0	2	0	0	0	

Weather Data for the Week Ending July 30, 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	.01 INCH OR MORE		.50 INCH OR MORE	
																			90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	80	59	85	56	69	-3				5.8	84	18.5	98	95	48	0	0	0	0	0	0	
YOUNGSTOWN	79	60	85	52	70	-1				4.7	60	20.7	95	97	50	0	0	0	0	1	0	
OK OKLAHOMA CITY	88	64	99	58	76	-6				2.5	36	14.5	72	84	43	1	1	0	0	4	2	
TULSA	83	63	92	60	74	-10				1.1	149	26.7	113	92	53	1	1	0	0	3	2	
OR ASTORIA	67	55	71	51	61	0				3.1	87	34.6	97	95	65	0	0	0	0	2	0	
BURNS	95	57	98	45	74	0				.5	41	2.9	52	47	13	7	7	0	0	0	0	
MEDFORD	95	58	100	45	74	0				.0	40	5.1	54	79	19	0	0	0	0	0	0	
PENDLETON	94	52	105	58	78	4				.3	118	8.0	116	60	13	6	6	0	0	0	0	
PORTLAND	83	59	92	55	71	2				1.7	82	14.5	75	81	37	1	1	0	0	0	0	
SALEM	85	53	93	50	69	2				1.2	61	16.0	77	85	32	2	2	0	0	0	0	
PA ALLENTOWN	85	67	89	65	76	2				1.0	143	31.3	126	96	56	0	0	0	0	0	0	
ERIE	79	63	83	60	71	-1				1.4	11.1	14.3	126	96	56	0	0	0	0	1	1	
HARRISBURG	82	67	88	64	75	-2				.5	93	20.7	96	91	48	0	0	0	0	5	5	
PHILADELPHIA	88	73	95	70	80	5				2.3	132	30.7	129	96	57	0	0	0	0	0	0	
PITTSBURGH	80	63	87	59	72	-1				1.1	136	32.4	120	92	58	2	2	0	0	3	2	
SCRANTON	80	62	86	60	71	-1				1.1	84	23.5	105	91	52	0	0	0	0	4	1	
RI PROVIDENCE	85	70	89	68	77	4				.7	89	22.6	107	98	57	0	0	0	0	4	1	
SC CHARLESTON	85	70	92	70	81	-1				.4	63	24.0	93	98	58	0	0	0	0	2	2	
COLUMBIA	89	73	99	70	81	-1				2.6	148	35.0	114	92	62	3	3	0	0	5	2	
FLORENCE	88	72	93	69	79	-2				1.4	146	29.8	98	93	62	3	3	0	0	3	1	
GREENVILLE	84	66	89	63	75	-3				.9	75	22.5	83	97	60	3	3	0	0	3	0	
SD ABERDEEN	82	55	91	48	69	-4				1.1	179	32.8	104	95	58	0	0	0	0	4	0	
BURON	82	54	91	49	68	-7				.7	98	10.6	78	91	44	1	0	0	0	0	0	
RAPID CITY	90	56	101	46	73	-1				.5	134	14.3	105	94	44	1	0	0	1	0	0	
SIOUX FALLS	82	55	87	48	68	-6				1.3	26	5.5	48	65	18	3	0	0	0	0	0	
TN CHATTANOOGA	85	66	92	61	76	-3				.6	129	14.1	99	94	43	0	0	0	0	0	0	
KNOXVILLE	83	65	90	59	74	-3				2.6	179	32.4	120	92	58	2	2	0	0	3	2	
MEMPHIS	85	70	89	65	78	-5				2.6	140	50.6	170	98	62	1	0	0	0	2	2	
NASHVILLE	85	66	90	61	75	-4				.4	125	32.8	105	87	48	0	0	0	0	2	0	
TX AMARILLO	85	66	90	61	75	-4				1.8	163	39.9	138	90	50	1	0	0	0	3	1	
ABILENE	93	71	99	63	82	-3				.5	7	12.0	113	71	28	5	0	0	0	0	0	
AMARILLO	86	61	96	55	73	-5				.3	88	10.3	88	86	40	2	0	0	0	5	0	
AUSTIN	99	72	104	68	86	1				.4	18	11.6	62	78	24	7	0	0	0	0	0	
BEAUMONT	92	73	96	68	82	-1				1.0	134	40.7	129	95	48	6	0	0	0	0	0	
BROWNSVILLE	96	76	97	75	86	1				1.2	76	9.7	79	94	42	7	0	0	0	0	0	
CORPUS CHRISTI	94	74	96	71	84	-1				.1	67	15.5	101	92	45	7	0	0	0	1	0	
DEL RIO	95	74	100	68	84	1				.4	63	12.5	91	74	39	5	0	0	0	0	0	
EL PASO	99	72	105	66	85	3				.1	39	2.9	78	56	22	7	0	0	0	1	0	
FORT WORTH	92	72	101	66	82	-2				.1	111	20.5	95	80	41	5	0	0	0	0	0	
GALVESTON	89	79	91	75	84	1				.1	60	14.1	64	80	58	4	0	0	0	1	0	
HOUSTON	96	72	99	64	84	1				.9	47	19.3	65	94	40	7	0	0	0	0	0	
LOBBACK	93	66	101	61	80	0				.1	51	10.3	100	79	32	5	0	0	0	2	0	
MIDLAND	93	69	102	63	81	-1				.7	115	5.8	78	74	26	5	0	0	0	2	1	
SAN ANGELO	96	70	104	65	83	0				.4	37	7.6	70	71	26	6	0	0	0	1	0	
SAN ANTONIO	100	73	104	67	87	1				.2	36	18.6	105	78	23	7	0	0	0	0	0	
VICTORIA	96	73	98	67	85	1				.0	63	19.0	78	86	35	7	0	0	0	0	0	
WACO	93	70	102	60	83	-3				.4	44	18.6	98	80	31	6	0	0	0	0	0	
WICHITA FALLS	95	68	102	60	81	-4				.3	4	6.4	35	87	30	6	0	0	0	1	0	
UT CEDAR CITY	96	64	99	58	80	5				.1	8	4.0	63	46	16	6	0	0	0	1	0	
SALT LAKE CITY	103	71	105	68	87	8				.2	3	7.8	78	53	18	7	0	0	0	1	0	
VT BURLINGTON	81	64	87	58	73	2				1.4	128	23.3	125	92	56	0	0	0	0	4	2	
VA NORFOLK	90	73	94	71	82	3				3.5	156	35.8	135	92	60	4	0	0	0	6	1	
RICHMOND	88	70	93	69	79	1				1.6	106	29.6	117	96	35	3	0	0	0	4	1	
ROANOKE	84	66	91	63	75	-1				1.4	129	31.8	136	94	62	1	0	0	0	2	1	
WA QUILLAYOTE	68	53	72	49	61	1				.1	5.8	103	55.0	97	98	63	0	0	0	2	1	
SEATTLE-TACOMA	78	58	85	55	68	2				.2	1.5	68	15.4	80	86	44	0	0	0	1	0	
SPOKANE	95	64	100	60	79	9				.1	9	6.2	53	64	15	6	0	0	0	0	0	
YAKIMA	95	59	102	53	77	7				.0	94	4.2	98	71	18	7	0	0	0	0	0	
WV BECKLEY	75	58	81	52	67	-3				1.2	12.1	144	36.5	146	95	60	0	0	0	2	2	
CHARLESTON	83	63	89	57	73	-2				.5	8.1	97	35.6	141	97	58	0	0	0	2	1	
HUNTINGTON	82	65	88	62	73	-1				1.4	77	31.7	123	96	56	0	0	0	0	4	2	
PARKERSBURG	80	62	86	60	71	-4				1.5	125	34.7	138	100	60	0	0	0	0	3	2	
WI GREEN BAY	78	57	83	53	67	-3				.4	9.7	151	21.0	132	95	58	0	0	0	2	0	
LACROSSE	78	59	82	54	69	-5				.1	...	...	...	97	48	0	0	0	0	0	0
MADISON	79	55	83	50	67	-5				.2	...	...	...	97	48	0	0	0	0	0	0
MILWAUKEE	80	63	86	60	71	0				.7	9.8	130	18.3	100	91	45	0	0	0	2	0	
WAUSAU	76	57	81	51	66	-4				.8	7	12.7	71	91	45	0	0	0	0	0	0	
WY CASPER	92	56	97	51	74	2				.2	103	5.7	67	81	22	5	0	0	0	1	0	
CHEYENNE	83	56	89	51	69	0				.4	86	9.1	94	89	30	0	0	0	0	3	0	
LARAMIE	90	59	93	54	75	3				.1	17	4.8	54	59	19	5	0	0	0	0	0	
SHERIDAN	89	56	96	50	73	2				.1	3.2	104	9.4	98	64	19	4	0	0	1	0	

Based on 1961-90 normals.

National Agricultural Summary

July 25 - 31, 1994

HIGHLIGHTS: The rapid pace of this year's crop development was slowed slightly by cooler-than-normal weather in the central States. The progress of all fall crops remained ahead of the five-year average in the Corn Belt. At least 80 percent of the Nation's corn and soybeans were rated in good to excellent condition. Weeds flourished and were a problem in soybean fields where pods were still forming. Lower-than-normal temperatures and scattered showers brought some relief to crops stressed from last month's hot, dry weather in the south-central United States. Soil moisture supplies were reported as surplus for most States in the Southeast where continued rain saturated fields. The hot, wet weather has increased weed and insect problems in the Southeast and delayed field activities. Hot, dry weather continued over the Pacific Northwest, depleting soil moisture supplies and drying out non-irrigated ranges and pastures. In the Southwest, scattered thunderstorms provided isolated relief from the heat and the dry conditions.

SMALL GRAINS: Winter wheat harvested was 89 percent(%) complete, up 5 percentage points from last week and 6 points ahead of the 5-year average. The wheat harvested in Oregon and Washington advanced 30 and 40 points, respectively. The wheat harvest in Washington was 30 points ahead of the average.

Spring wheat harvested was 7% complete, up 6 points from last week but 1 point behind the average. The condition for spring wheat was mostly good, but was down sharply from last week, with most of the decline coming from Minnesota. South Dakota increased spring wheat harvested by 28 points from last week.

FIELD CROPS: Corn condition was mostly good, up from last year, with 85% of the corn rated as good to excellent. Corn development was slowed slightly from the cool weather in the Corn Belt but continued to out-pace the average. Corn silking for the 17 major States was 91%, up 17 points from last week and 22 points ahead of the average. Minnesota increased corn silking by 47 points from last week, while Ohio increased by 32 points. Corn in the dough stage for the 17 major producing States was 23%, 6 points ahead of the average. Iowa's corn in dough stage was 10 points ahead of the average, while Missouri was 11 points ahead.

Cotton condition was down from last week for the 14 major producing States, with 67% of the cotton crop rated as good to excellent compared to 72% last week. Most of the decline in the cotton condition was from Arkansas, New Mexico, and Texas.

Cotton squaring was 97% complete, up from last week and ahead of the average by 4 points. Cotton setting bolls was 77% for the major producing States, up 12 points from last week and 8 points ahead of the average. California cotton setting bolls was up 25 points from last week to 90%, to tie the average. California cotton producers continued to treat for aphids, lygus, mites, bollworm and whitefly. Texas cotton squaring was 94% complete, up from last week and ahead of the average by 7 points, while setting bolls was 60%, up 11 points from last week and 10 points ahead of the average. Cotton producers in Texas began defoliation activities in Central Texas and the Blacklands, while the harvest continues in the Valley and Coastal Bend region. The Texas Plains reported dry-land cotton was cutting-out due to lack of moisture and most irrigated fields showed some signs of stress.

Sorghum condition in the 12 States was unchanged from last week. Sorghum condition in Nebraska was down from last week while Texas reported a slight gain. Sorghum headed was 64% for the week, 17 points ahead of last week and 22 points ahead of the average. Sorghum headed was up 38 points in Nebraska from the previous week, and 51 points ahead of the average. Sorghum turning color at 24% was 2 points ahead of last week and the average for the 12 major producing States.

Rice condition was mostly good, unchanged from last week and up slightly from last year. Rice headed was 51%, up 11 points from last week and 15 points ahead of the average. Arkansas reported rice headed at 50%, 18 points ahead of last week and 28 points ahead of the average. Mississippi reported rice headed at 60%, up 20 points from last week and 17 points ahead of the average. Rice harvested was 1 point ahead of the average for the 5 major producing States, at 5% completed. Texas was 7 points ahead of the average, with 18% of the rice crop harvested.

Soybean condition was mostly good, down slightly from last week and up from last year. Soybeans blooming were 83% complete, 11 points over last week and 16 points ahead of the average. Soybeans blooming in Indiana and Kansas increased by over 10 points from last week. Soybeans setting pods were reported at 44% for the 19 major producing States, 19 points ahead of last week and 15 points ahead of the average. Iowa was 35 points ahead of the average for setting pods, while Mississippi was up from last week and the average by 11 points. Spraying for soybean stink bugs and aerial blight problems were reported in Louisiana. Weeds growing profusely presented a problem in some soybean fields where pods are forming in Wisconsin.

(Continued from front cover)

Northwest, including the Tyee Creek Fire in central Washington, which has burned more than 80,000 forested acres. According to the National Interagency Fire Center in Boise, ID, this year's western wildfires have consumed nearly 2 million acres (almost 3000 square miles), more than during all of 1993.

Early in the week, daily record heat continued over southern Texas and across the Northwest. Pendleton, OR hit 105°F on Sunday. San Antonio, TX reached 104°F on Monday, only 2°F shy of a July record, and notched a July-record twelfth consecutive day of 100-degree heat on Wednesday. But after a midweek cold frontal passage, San Antonio tied a daily record low (67°F) on Friday. Readings in the 40's at midweek set daily records in Bismarck, ND (43°F), Valentine, NE (45°F), and North Platte, NE (47°F). On July 28, Waco, TX (60°F) broke its daily record low by 8°F. A day later, Hot Springs, AR (56°F) and Houston, TX (64°F) set daily records by 6°F. However, no relief from the heat reached the West, where Pocatello, ID hit 102°F on Tuesday, and St. George, UT soared to

112°F on Wednesday. Heat slipped into the northern Plains by Saturday, as temperatures peaked at 101°F in Miles City, MT and Rapid City, SD. Farther south, temperatures remained unseasonably low on Saturday, with highs of 82°F in Texas at Midland and San Angelo.

Little rain fell over the Corn Belt, except for locally heavy showers in the east. However, considerable sunshine and highs in the 70's and 80's provided favorable conditions for crop development. Farther south and east, heavier weekly rainfall included 4.67 inches in Norfolk, VA, 4.04 inches in Orlando, FL, and 3.29 inches in Hartford, CT. Heavy rain dotted the Mississippi Delta and the east-central Plains early in the week, but sunshine and lower humidity arrived after midweek. However, persistently showery, humid weather plagued the southern Atlantic States, hampering recovery efforts in areas affected by Tropical Storm Alberto's remnants in early July. In fact, July 1994 was the wettest month on record in Atlanta, GA (17.71 inches) and the wettest July on record in Macon, GA (18.16 inches). Record July wetness was also observed in locations such as Philadelphia, PA (10.42 inches) and Norfolk, VA (14.37).

Crop Condition

for the Week Ending July 31, 1994

SORGHUM

State	VP	P	F	G	EX
AR	0	0	5	87	8
CO	0	3	26	53	18
IL	0	0	14	80	6
KS	0	0	11	83	6
LA	0	1	50	49	0
MS	0	0	12	69	19
MO	0	0	42	50	8
NE	0	0	13	71	16
NM	0	56	24	20	0
OK	0	3	64	33	0
SD	0	0	18	74	8
TX	0	4	35	56	5
12 State	0	3	25	65	7
Prev Week	0	3	25	64	8
Prev Year	1	8	34	46	11

CORN

State	VP	P	F	G	EX
CO	1	5	22	55	17
GA	0	0	2	78	20
IL	0	2	14	64	20
IN	0	3	22	62	13
IA	0	0	2	46	52
KS	0	0	15	73	12
KY	0	0	10	63	27
MI	3	7	20	50	20
MN	3	1	12	61	23
MO	0	5	27	55	13
NE	0	1	7	65	27
NC	2	4	33	56	5
OH	1	5	22	56	16
PA	1	4	17	48	30
SD	1	3	7	57	32
TX	0	1	21	67	11
WI	0	0	2	30	68
17 State	1	2	12	56	29
Prev Week	0	2	12	55	31
Prev Year	3	13	31	44	9

COTTON

State	VP	P	F	G	EX
AL	0	5	25	68	2
AZ	0	0	5	75	20
AR	0	0	18	82	0
CA	0	0	0	85	15
GA	0	0	23	70	7
LA	0	0	22	68	10
MS	0	0	35	50	15
MO	0	0	25	62	13
NM	0	0	33	50	17
NC	2	0	16	77	5
OK	0	0	58	39	3
SC	0	0	8	92	0
TN	0	0	1	77	22
TX	0	7	44	41	8
14 State	0	3	30	58	9
Prev Week	0	2	26	60	12
Prev Year	2	6	38	47	7

RICE

State	VP	P	F	G	EX
AR	0	0	8	92	0
CA	0	0	5	90	5
LA	0	0	66	34	0
MS	0	0	18	55	27
TX	0	0	0	68	32
5 State	0	0	20	73	7
Prev Week	0	0	19	74	7
Prev Year	0	1	29	70	0

SOYBEANS

State	VP	P	F	G	EX
AL	0	0	12	84	4
AR	0	0	28	72	0
GA	0	1	18	72	9
IL	0	0	19	68	13
IN	0	3	26	62	9
IA	0	0	4	56	40
KS	0	0	4	83	13
KY	0	0	9	83	8
LA	0	7	31	62	0
MI	3	7	25	45	20
MN	2	2	23	56	17
MS	0	0	25	57	18
MO	0	4	38	49	9
NE	0	0	8	64	28
NC	0	0	20	77	3
OH	1	5	25	54	15
SC	0	0	30	70	0
SD	0	0	6	70	24
TN	0	0	5	82	13
19 State	0	1	19	63	17
Prev Week	0	1	16	64	19
Prev Year	2	14	39	39	6

SPRING WHEAT

State	VP	P	F	G	EX
ID	1	5	27	56	11
MN	4	7	47	40	2
MT	2	9	35	31	23
ND	1	9	25	55	10
SD	0	2	42	50	6
5 State	1	7	33	49	10
Prev Week	1	8	25	57	9
Prev Year	0	3	23	61	13

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

Crop Progress

for the Week Ending July 31, 1994

SPRING WHEAT HARVESTED

	Current	Last Wk	1993	Avg.
ID	6	1	0	3
MN	6	1	0	9
MT	0	0	0	0
ND	3	0	0	6
SD	34	6	0	26
5 States	7	1	0	8

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

GRAIN SORGHUM HEADED

	Current	Last Wk	1993	Avg.
AR	86	77	49	62
CO	18	5	30	13
IL	54	21	27	43
KS	50	30	10	15
LA	91	83	81	81
MS	91	80	70	77
MO	64	42	32	47
NE	73	35	2	22
NM	18	13	18	30
OK	55	26	31	37
SD	37	12	2	13
TX	80	76	74	74
12 States	64	47	35	42

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

GRAIN SORGHUM COLORING

	Current	Last Wk	1993	Avg.
AR	37	21	11	15
CO	0	0	0	0
IL	7	4	1	5
KS	0	0	0	0
LA	44	19	23	39
MS	50	32	23	37
MO	9	2	2	6
NE	1	0	0	0
NM	0	0	0	0
OK	8	6	6	8
SD	1	0	0	0
TX	65	62	60	61
12 States	24	22	21	22

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

RICE HEADED

	Current	Last Wk	1993	Avg.
AR	50	32	17	22
CA	1	0	5	5
LA	71	65	66	70
MS	60	40	24	43
TX	89	83	58	78

5 States 51 40 30 36
 These 5 States produced 96% of the 1993 rice crop.

COTTON SQUARING

	Current	Last Wk	1993	Avg.
AL	97	93	90	98
AZ	100	100	100	100
AR	100	100	100	100
CA	100	100	100	100
GA	100	98	99	99
LA	100	100	100	99
MS	100	100	100	98
MO	100	100	100	100
NM	98	96	90	94
NC	96	90	92	93
OK	95	88	99	83
SC	93	92	96	97
TN	100	100	100	97
TX	94	87	93	87

14 States 97 93 96 93
 These 14 States produced 99% of the 1993 cotton crop.

CORN SILKING

	Current	Last Wk	1993	Avg.
CO	72	55	40	44
GA	100	100	100	100
IL	98	94	78	87
IN	95	78	80	82
IA	98	82	24	67
KS	99	90	80	85
KY	91	84	90	84
MI	70	35	35	50
MN	91	44	9	40
MO	88	78	60	80
NE	98	95	56	77
NC	100	95	100	100
OH	83	51	65	67
PA	60	34	44	44
SD	78	49	12	44
TX	89	83	91	92
WI	75	47	9	43

17 States 91 74 50 69
 These 17 States produced 91% of the 1993 corn crop.

RICE HARVESTED

	Current	Last Wk	1993	Avg.
AR	0	NA	0	0
CA	0	NA	0	0
LA	14	NA	7	12
MS	0	NA	0	0
TX	18	NA	4	11

5 States 5 NA 2 4
 These 5 States produced 96% of the 1993 rice crop.

COTTON SETTING BOLLS

	Current	Last Wk	1993	Avg.
AL	74	60	72	81
AZ	98	93	99	98
AR	90	80	80	85
CA	90	65	85	90
GA	92	82	89	90
LA	98	95	89	86
MS	95	94	73	81
MO	91	71	87	87
NM	87	77	93	85
NC	82	65	83	75
OK	66	31	76	38
SC	69	60	86	79
TN	93	69	94	75
TX	60	49	63	50

14 States 77 65 75 69
 These 14 States produced 99% of the 1993 cotton crop.

CORN DOUGHING

	Current	Last Wk	1993	Avg.
CO	8	NA	4	4
GA	99	NA	98	97
IL	38	NA	16	32
IN	18	NA	10	19
IA	12	NA	0	2
KS	40	NA	20	35
KY	20	NA	27	25
MI	10	NA	0	1
MN	0	NA	0	0
MO	49	NA	20	38
NE	28	NA	4	11
NC	79	NA	74	75
OH	16	NA	6	17
PA	2	NA	0	2
SD	9	NA	0	4
TX	68	NA	73	74
WI	7	NA	0	5

17 States 23 NA 10 17
 These 17 States produced 91% of the 1993 corn crop.

WINTER WHEAT HARVESTED

	Current	Last Wk	1993	Avg.
AR	100	100	100	100
CA	99	99	99	99
CO	99	98	85	90
GA	100	100	100	100
ID	27	8	3	10
IL	99	98	93	97
IN	100	98	100	94
KS	100	100	90	98
MI	80	50	80	80
MO	100	100	100	100
MT	9	2	0	4
NE	100	99	58	84
NC	100	100	100	100
OH	100	99	97	90
OK	100	100	100	100
OR	57	27	18	36
SD	95	71	28	66
TX	100	100	100	100
WA	60	20	11	30

19 States 89 84 76 83
 These 19 States produced 92% of the 1993 winter wheat crop.

SOYBEANS BLOOMING

	Current	Last Wk	1993	Avg.
AL	56	42	50	45
AR	54	40	33	31
GA	62	47	48	55
IL	87	78	74	80
IN	93	81	78	81
IA	98	92	54	78
KS	85	75	45	55
KY	60	54	58	55
LA	79	58	59	57
MI	60	40	65	60
MN	98	86	47	74
MS	80	62	47	49
MO	74	63	55	59
NE	99	90	50	71
NC	41	28	34	35
OH	90	70	85	73
SC	36	26	43	36
SD	83	74	31	63
TN	50	34	47	38

19 States 83 72 58 67
 These 19 States produced 95% of the 1993 soybean crop.

SOYBEANS SETTING PODS

	Current	Last Wk	1993	Avg.
AL	31	14	27	21
AR	27	17	11	11
GA	37	22	22	26
IL	49	27	26	45
IN	30	13	20	28
IA	74	55	15	39
KS	35	20	15	25
KY	22	18	17	17
LA	48	26	30	29
MI	20	5	15	15
MN	50	27	11	27
MS	33	22	14	22
MO	37	16	14	21
NE	53	34	10	21
NC	14	0	9	10
OH	43	14	29	33
SC	12	7	14	12
SD	49	26	3	26
TN	18	7	12	11

19 States 44 25 17 29
 These 19 States produced 95% of the 1993 soybean crop.

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 0.79 to 4.43 in. north; 0.05 to 5.29 in. central; none to 3.29 in. south. Temperatures 3 to 8° below normal statewide. Lows 51 to 63° north; 57 to 65° central; 59 to 66° south. Highs 83 to 87° north; 84 to 92° central; 88 to 94° south.

Days suitable for fieldwork 3.5. Soil moisture 43% adequate, 57% surplus. Corn dented 66%, 62% 1993, 72% avg.; mature 28%, 30% 1993, 42% avg.; harvested 7%, 7% 1993, 12% avg.; 8% poor, 7% fair, 70% good, 15% excellent. Sorghum 13% poor, 23% fair, 54% good, 10% excellent. Peanuts pegged 65%, 80% 1993, 93% avg.; 28% poor, 58% fair, 14% good. Pasture feed 11% fair, 55% good, 34% excellent. Livestock 13% fair, 76% good, 11% excellent. Seasonal activities: Planting, harvesting vegetables, scouting, spraying fields for insects, controlling weeds.

ALASKA: Partly sunny skies covered the State most of the week with clear skies appearing by weekend. Precipitation since May 2nd has been below normal throughout the State's agricultural areas.

Days suitable for baling hay 5. First crop hay harvest was 90% complete, approximately 10% behind last year. Crop growth was 40% slow, 50% moderate, 10% rapid. Barley was 75% in dough or earlier with 25% turning color, 85% 1993 had turned color. Barley 20% poor, 35% fair, 40% good, 5% excellent. Oats 60% in dough or earlier with 40% turning color, compared to 100% turning color in 1993. Commercial potatoes were 70% in bloom, 20% fair, 50% good, 30% excellent. Topsoil moisture 70% short, 30% adequate. Subsoil moisture supplies were 50% short, 50% adequate.

ARIZONA: Temperatures 1 to 5° above normal. Extremes 50°; 109° higher elevations; 68°; 115° deserts. Precipitation reported at most stations; trace to 2.83 in.

Cotton growers controlling insects very well, condition continues mostly good; squaring 100%, 100% 1993, 100% avg. Setting bolls 98%, 99% 1993, 98% avg. Weed infestations light; insect, disease infestations reported moderate. Alfalfa good to excellent. Harvest moderate to active. Weed, insect, disease infestations light to moderate. Citrus harvest complete. Vegetables harvested from central areas included cabbage, carrots, green onions, chili pepper. Cantaloupe, honeydew available central areas. Potatoes available eastern areas. Range, pasture feed continued to deteriorate from previous months. Seasonal monsoon rains have been sparse across most of State. Range feed 58% normal, 6% points lower than last month, lowest since July 1990. Cattle, calves remained mostly in fair condition. Stockwater, soil moisture supplies were rated mostly short. Below average to average amounts feed supplies continued available range, pastureland. Light insect damage reported with grasshopper infestations in northern, central areas.

ARKANSAS: Temperatures well below normal with showers, thunderstorms, heaviest in south central. Extreme 52°; 96°. Precipitation 0.35 to 4.83 in.

Days suitable for fieldwork 5. Soil moisture 6% short, 69% adequate, 25% surplus. Crop development ahead of schedule. Hail damage to rice, cotton, soybeans in Lonoke county. Peaches, tomatoes, watermelons mostly good with harvest ongoing. Alfalfa 57% fair, 38% good, 5% excellent. Other hay 5% poor, 38% fair, 47% good, 10% excellent. Pasture feed 6% poor, 20% fair, 59% good, 15% excellent. Livestock good. Producers spraying cattle for flies.

CALIFORNIA: Low pressure off the coast, cooler air. Spotty precipitation, mainly mountains.

Light rain briefly interrupted fieldwork southern San Joaquin Valley. Elsewhere, field activities progressed normally. Small grain harvest complete except higher elevations. Straw baled, small grain stubble. Second crop corn planting virtually complete. Rice grew well, hot weather; development one week behind normal. Few fields sprayed weeds. Cotton good growth. San Joaquin Valley fields blooming, setting bolls; bolls opening desert areas. Irrigation, treatments aphids, lygus, mites, pink bollworm, whitefly ongoing. Corn cut silage, sprayed mites. Dry beans treated insects. Garbanzo beans, over-wintered sugarbeets harvested. Alfalfa, sudangrass cut, baled. Some alfalfa sprayed weevils. Picking of summer fruit active. Fresh use table grape harvest active; good quality. Apple, pear, stonefruit picking continued. Grape vineyards treated for mildew, worms, leafhoppers. Dates dusted for pests. Walnuts treated for huskfly, codling moth. Almond hulls split. Valencia orange, summer grapefruit, lemon harvests active. Along central coast, harvest broccoli, cabbage, celery light. Cauliflower planted westside Merced County. Carrots packed Kern County. Lettuce harvest coastal areas went for shredding. Fields fall lettuce plantings bedded up, treated herbicides. Harvest cantaloupe, honeydew, water-

melons continued most areas. Fresh market dry onion harvest active central coast. Peas planted West side Merced County. Peppers harvested central valley. Fall potatoes Tulalake-Butte Valley progressing well. Winter potatoes Western Riverside County planted. Sweet corn picked San Joaquin Valley. Processing, fresh market tomato harvests active Sacramento, San Joaquin Valleys. Vineseed crop growing well Sutter County. Other crops harvested: garlic, squash, eggplant, cucumbers, taro, various oriental vegetables. Rangeland, pastures continued dry with low nutrient value. Higher pastures dried quicker than normal. Feeding of hay and supplements in many lower areas continued. Water supply mostly adequate, few areas short supplies. Cattle and sheep good condition. Some calving reported.

COLORADO: Strong, unusually persistent high pressure system kept temperatures above normal with below normal precipitation. Heavy thunderstorms swept through the northeast plains at the start of the week, most of the east on the 28th with large hail and 1.00 to 2.00 in. of rainfall reported. Meanwhile areas west of the Continental Divide remained hot and dry.

Days suitable for fieldwork 6.3. Soil moisture 26% very short, 44% short, 29% adequate, 1% surplus. Alfalfa second cutting 72% complete, 59% 1993, 48% avg. Spring barley 66% turning color, 90% 1993, 81% avg.; 25% harvested, 27% 1993, 32% avg.; 3% very poor, 4% poor, 18% fair, 68% good, 7% excellent. Dry beans 61% flowered, 43% 1993, 42% avg.; 2% poor, 23% fair, 62% good, 13% excellent. Oats 94% turning color, 81% 1993, 73% avg.; harvested 60%, 29% 1993, 37% avg. Dry onion 3% poor, 17% fair, 56% good, 24% excellent. Sugarbeets 4% poor, 21% fair, 60% good, 15% excellent. Spring wheat 72% turning color, 49% 1993, 51% avg.; 16% harvested, 4% 1993, 12% avg.; 2% very poor, 7% poor, 29% fair, 50% good, 12% excellent. Summer potatoes 6% harvested, 3% 1993, 4% avg.; 2% very poor, 4% poor, 16% fair, 45% good, 33% excellent. Fall potatoes 8% poor, 15% fair, 52% good, 25% excellent. Only a few fields of winter wheat remain to be harvested on west slope. Scattered rain maintaining some range forage, hot weather still drying out soil as fast as it rains. Livestock fair to good. Pasture, range feed condition poor to fair, except the northeast very poor.

FLORIDA: Temperatures 0 to 4° below normal. Highs; low to mid 90s. Lows; low 60s to 70. Precipitation on 2 to 7 days. Most of the weekly totals between 2.00 and 3.00 in., locally more.

Soil moisture adequate to surplus Panhandle, northern Peninsula. Central, southern Peninsula adequate moisture, scattered areas surplus. Tobacco harvesting, marketing active. Corn harvest active. Sugarcane good progress. Haying active weather permitting. Some waterlogged cotton, peanut fields, yellow stunted plants. Hard rains all citrus areas, abundant moisture. New growth, all age trees. Fruit making excellent progress with good sizes. Some fruit splitting due to rains. Caretakers cutting cover crops, herbiciding, spraying, fertilizing. Growers preparing fields for fall crops north, central, east coast vegetable areas. Tomato transplanting continued north. Growers planting bell peppers east coast. Pasture feed 15% fair, 60% good, 25% excellent. Cattle herds good to excellent.

GEORGIA: Temperatures 2 to 5° below normal. Warmest highs mid to upper 80s north, low to mid 90s center, south. Coolest lows 60s, except some mid to upper 50s mountains, a few low 70s southeast. Rained 3 to 6 days during week. Totals varied from less than 0.50 in. to locally over 4.00 in.; most stations in 1.00 to 3.00 in. range.

Days suitable for fieldwork 2.7. Soil moisture 29% adequate, 71% surplus. Corn 94% dent, 83% 1993, 86% avg.; 63% mature, 38% 1993, 48% avg.; 4% harvested for grain, 2% 1993, 5% avg. Sorghum 15% fair, 79% good, 6% excellent. Peanuts 18% fair, 76% good, 6% excellent; 100% pegging, 96% 1993, 99% avg. Tobacco 3% very poor, 3% poor, 24% fair, 67% good, 3% excellent; 60% harvested, 37% 1993, 57% avg. Watermelons 10% very poor, 23% poor, 39% fair, 27% good, 1% excellent; 94% harvested, 91% 1993, 93% avg. Other vegetables 5% very poor, 11% poor, 41% fair, 43% good. Apples 12% very poor, 47% fair, 41% good; 7% harvested, 6% 1993, 8% avg. Peaches 7% very poor, 10% poor, 45% fair, 38% good; 97% harvested, 93% 1993, 94% avg. Pecans 2% poor, 30% fair, 68% good; Spray schedules interrupted. Hay fair to good, rains causing delays, loss. Pasture feed mostly good to excellent. Cattle, hogs good.

HAWAII: Mostly sunny during the week. Shower activities on most islands during evenings, early mornings. Humid during first half of week, less humid during second half with return of normal trade winds. Winds 10 to 30 mph. Temperatures low 70s to low 90s. Rainfall none to 1.90 in.

Weather fair for crop progress. Mostly dry with some wet areas. Irrigation necessary in the drier areas. Regular spray programs to keep insects, disease under control. Sugar harvesting active all islands. Pineapple harvesting increasing. Papaya production heavy.

IDAHO: Hot, dry. Most of State recorded temperatures over 100°. Temperatures 2 to 9° above normal. Precipitation none to 0.06 in. north, none to 0.16 in. southwest, none south central, none to 0.46 in. east. Extremes 44°; 106°.

Days suitable for fieldwork 7. Soil moisture 29% very short, 42% short, 29% adequate. Range, pasture feed 61%. Potato progress: 12" high 5%, closing middles 79%, turning 14%, vines dying/killed 2%. Potato 1% poor, 13% fair, 73% good, 13% excellent. Barley harvested 14%, 1% 1993, 6% avg.; 5% very poor, 3% poor, 20% fair, 60% good, 12% excellent. Alfalfa hay harvested (2nd cutting) 59%, 32% 1993, 43% avg. Dry pea acreage harvested 36%, 10% avg.; 2% 1993. Lentil acreage harvested 29%, 6% avg.; 0% 1993. Mint acreage harvested 62%, 16% 1993, 35% avg. Peaches harvested 50%, 17% 1993, 32% avg. Irrigation water supplies 14% very poor, 20% poor, 29% fair, 34% good, 3% excellent. Activities: irrigating, cutting alfalfa, grain harvest, hauling water to livestock.

ILLINOIS: Cooler, drier than normal weather occurred the past 7 days across State. High temperatures upper 70s to lower 80s in the north to the low to mid 80s south which was 3 to 6° below normal across State. Lows averaged in the mid 50s to lower 60s across much of the State, which was 3 to 9° below normal. Rainfall averaged less than 0.15 in., except for up to 0.65 in. far south.

Days suitable for fieldwork 6.75. Soil moisture 57% short, 43% adequate. Corn dented 6%, 1% 1993, 7% avg. Oats ripe 98%, 69% 1993, 89% avg. Harvested 89%, 29% 1993, 63% avg. Alfalfa hay second cutting 95%, 75% 1993, 87% avg. Third cutting 19%, 10% 1993, 17% avg.; 12% excellent, 69% good, 16% fair, 3% poor. Pasture feed 83% of normal. Soil moisture supplies decreased to short in almost all but the two northern districts where moisture is adequate. Crop conditions fell slightly with little to no rain but cool weather. Aerial spraying for corn rootworm beetles, spider mites continue in dry areas primarily in the central, east districts. Farm activities included crop scouting, preparing storage facilities for harvest, cutting hay, harvesting oats, vegetable, melon crops and mowing weeds.

INDIANA: Temperatures averaged several degrees below normal during the period. High temperatures averaged from the upper 70s to the low 80s, which was mostly 3 to 6° below normal. Lows averaged in the mid 50s to around 60°. This was 4 to 8° below normal. Rainfall less than a tenth of an inch over a good portion of State. Totals only exceeded an inch at Tipton, Farmland.

Days suitable for fieldwork 6. The lack of rain has allowed for quicker harvesting of oats, mint, hay. Detasseling seed corn, topping tobacco were other major field activities. Livestock conditions improved with the drier, cooler weather. Pastures in fair condition. Pasture feed 80% of normal, 83% last week. Topsoil 52% short, 46% adequate, 2% surplus. Subsoil moisture 36% short, 63% adequate, 1% surplus. Oats harvested 87%, 77% 1993, 66% avg. Alfalfa 2nd cutting 95%, 85% 1993, 77% avg.

IOWA: Temperatures 5 to 7° below normal. Extremes 47°; 91°. Widely scattered showers first half-week, dry second half of week until 31st night thunderstorms. No rain parts of east central, southeast and far northwest; up to 2.22 in. central; State average 0.38 in. (normal 0.88 in.).

Days suitable for fieldwork 6.5. Topsoil 31% short, 68% adequate, 1% surplus. Subsoil 9% short, 82% adequate, 9% surplus. Corn in or past milk stage 50%, 6% 1993, 19% avg. Oats harvested for grain 90% 1994, 25% 1993, 69% avg. Alfalfa hay 2nd crop harvested 90%, 30% 1993, 71% avg. Clover hay 2nd crop harvested 58%, 12% 1993, 58% avg. Winter wheat harvested for grain 98%, 38% 1993, 82% avg. Pasture feed 1% very poor, 2% poor, 23% fair, 56% good, 18% excellent. Hay 1% very poor, 2% poor, 21% fair, 58% good, 18% excellent. Cool weather provided excellent conditions for the State's livestock herds. However, there were scattered reports of pinkeye, face fly problems.

KANSAS: Temperatures were well below normal across the State. District temperatures 7° below normal. Precipitation received in all districts. Rainfall 0.19 in. east central to 0.95 in. north central.

Days suitable for fieldwork 4.5. Surface soil moisture 23% short to very short, 72% adequate, 5% surplus. Subsurface moisture 20% short to very short, 79% adequate, 1% surplus. Fall crops' progress toward maturity was slowed by cool temperatures during the week. Corn, sorghum, soybeans still all ahead of average maturity. At least 85% corn, sorghum, soybeans good to excellent. Corn silking is virtually complete across the State. Spider mites, corn borers reported in the western, southern districts. Across the State sorghum heading has reached the halfway mark. Chinch bugs are reported in mostly the

central, eastern districts. Some moderate infestations are reported mostly in the south central district. Soybeans are doing exceptionally well with 96% good to excellent. Alfalfa 3rd cutting 60%, 25% 1993, 35% avg. Pastures good condition in all districts except the southwestern district where they are fair.

KENTUCKY: Temperatures 3 to 6° below normal. Daytime highs middle 70s, 80s; overnight lows 55 to 65°. Rainfall frequent but scattered. Most areas 0.50 to 1.50 in.

Days suitable for fieldwork 4.5. Soil moisture 2% very short, 28% short, 62% adequate, 8% surplus. Rains improved crop yields, pasture. Tobacco 15% fair, 75% good, 10% excellent. Burley tobacco topped 27%, 23% 1993, 27% avg. Dark tobacco nearly 50% topped. Tobacco harvest just beginning Pastures mostly fair.

LOUISIANA: Temperatures 1.5 to 3.6° below normal. Extremes 60°; 97°. Rainfall 0.12 in. northwest to 2.06 in. east central.

Days suitable for fieldwork 3.6. Soil moisture 7% short, 45% adequate, 48% surplus. Corn 27% fair, 61% good, 12% excellent; 99% dough stage, 95% 1993, 98% avg.; 64% mature, 42% 1993, 67% avg.; 6% harvested, 2% 1993, 8% avg. Cotton 0% open bolls, 0% 1993, 1% avg. Hay 99% first cutting, 98% 1993, 95% avg.; 18% second cutting, 16% 1993, 14% avg. Excellent hay making weather. Peaches 92% harvested, 77% 1993, 88% avg. Rice 19% ripe, 16% 1993, 25% avg; 14% harvested, 7% 1993, 12% avg. Sorghum 6% ripe, 1% 1993, 10% avg.; 0% harvested, 0% 1993, 1% avg. Soybean stink bug spraying, aerial blight problems, south. Sugarcane 15% fair, 85% good. Borer spraying continued. Sweet potatoes 99% planted, 93% 1993, 97% avg.; 3% harvested, 0% 1993, 5% avg. Livestock 4% very poor, 15% poor, 63% fair, 18% good. Broiler growers welcomed record low temperatures. Pastures feed 8% fair, 90% good, 2% excellent. Vegetables 37% fair, 63% good.

MARYLAND & DELAWARE: **MARYLAND:** Precipitation 2.37 in., normal 0.92 in. Temperature 76.5°, normal 76.1°. Extremes 52°; 96°.

Days suitable for fieldwork 3.6. Topsoil moisture 5% short, 76% adequate, 19% surplus. Subsoil moisture 11% short, 84% adequate, 5% surplus. Pasture feed condition good. Winter wheat, rye harvest virtually complete. Barley harvest is complete. Oats fair to good; turning virtually complete, 66% harvested, 49% 1993, 55% avg. Corn fair to mostly good; 81% silking, 70% 1993, 73% avg; 15% dough, 24% 1993, 26% avg. Soybeans fair to mostly good; planting virtually complete; 37% bloomed, 36% 1993, 43% avg. Sorghum fair to mostly good; 28% headed, 14% 1993, 39% avg. Tobacco good; 48% bloomed, 32% 1993, 43% avg. Sweet corn 54% harvested, 32% 1993, 45% avg. Potatoes 91% harvested, 43% 1993, 43% avg. Vegetable, melon harvest active. Green pea harvest complete. Other hay 77% second cutting, 69% 1993, 55% avg. Alfalfa hay 41% third cutting, 54% 1993, 33% avg. Peaches poor, short crop; 47% harvested, 30% 1993, 30% avg. Apples fair to mostly good. Hay supplies adequate.

DELAWARE: Precipitation 2.41 in., normal 0.98 in. Temperature 76.7°, normal 77.0°. Extremes 65°; 94°.

Days suitable for fieldwork 4.4. Topsoil 100% adequate. Subsoil moisture 100% adequate. All small grain harvest completed. Corn mostly fair to good condition; 84% silked, 95% 1993, 92% avg.; 16% dough, 17% 1993, 20% avg. Soybeans fair to good; planting virtually complete; 44% bloomed, 38% 1993, 35% avg. Sorghum 40% heading, 8% 1993, 29% avg. Sweet corn 57% harvested, 53% 1993, 46% avg. Other vegetable, melon harvest active. Green pea harvest complete. Other hay 76% second cut, 80% 1993, 77% avg. Alfalfa hay 92% second cut, 99% 1993, 98% avg.; 43% third cut, 28% 1993, 27% avg. Hay supplies adequate; pastures poor to fair. Peaches fair to mostly good; 48% harvested, 30% 1993, 46% avg. Apples good condition.

MICHIGAN: Extremes 42°; 85°. Precipitation none to 0.77 in. across the State.

Days suitable for fieldwork 5.0. Soil moisture 10% short, 70% adequate, 20% surplus. Dry beans 45% blooming, 60% 1993, 55% avg.; 10% very poor, 20% poor, 30% fair, 30% good, 10% excellent. Oats 85% turning, 65% 1993, 80% avg.; 25% ripe, 20% 1993, 35% avg.; 1% very poor, 9% poor, 30% fair, 45% good, 15% excellent. Wheat 95% ripe, 100% 1993, 95% avg.; 80% harvested, 80% 1993, 80% avg. Potatoes 10% harvested, 15% 1993, 10% avg. Hay second cutting, 55% harvested, 55% 1993, 50% avg.; 3% very poor, 7% poor, 25% fair, 45% good, 20% excellent. Pasture feed 85% of normal. Major activities included cultivating, cutting hay, harvesting cherries, sweet corn, wheat, spraying field crops.

MINNESOTA: Temperatures 2 to 7° below normal for the State. Extremes 45°; 91°. Precipitation 0.50 to 0.80 in. below normal for the State. Greatest weekly total was 1.56 in.

Days suitable for fieldwork 5.6. Topsoil 3% very short, 8% short, 72% adequate, 17% surplus. Corn 97% tasseled, 25% 1993, 65% avg.; 18% milk, 0% 1993, 14% avg.; 0% Dough, 0% 1993, 0% avg.; soybeans 98% blooming, 47% 1993, 74% avg.; 50% setting pods, 11% 1993, 27% avg. Spring wheat 79% turning ripe, 49% 1993, 74% avg.; 13% cut/swathed,

1% 1993, 18% avg.; 6% combined, 0% 1993, 9% avg.; oats 98% turning ripe, 72% 1993, 87% avg.; 32% cut/swathed, 8% 1993, 44% avg.; 37% combined, 3% 1993, 28% avg.; barley 89% turning ripe, 52% 1993, 78% avg.; 13% cut/swathed, 2% 1993, 42% avg.; 12% combined, 0% 1993, 26% avg.; corn 3% very poor, 1% poor, 12% fair, 61% good, 23% excellent. Spring wheat 4% very poor, 7% poor, 47% fair, 40% good, 2% excellent. Barley 3% very poor, 5% poor, 49% fair, 42% good, 1% excellent. Oats 2% poor, 13% very poor, 41% fair, 42% good, 2% excellent. Soybeans 2% very poor, 2% poor, 23% fair, 56% good, 17% excellent.

MISSISSIPPI: Temperatures 4.7° below normal. Extremes 45°; 97°. Soil temperature 82°. Rainfall 1.71 in., 0.66 in. above normal. East central district accumulated the most precipitation for the week with 3.64 in. The greatest 1-day precipitation also occurred in the same district at Columbus with 5.00 in.

Days suitable for fieldwork 2.3. Soil moisture 29% adequate, 71% surplus. Corn 88% dough, 66% 1993, 74% avg.; 52% dent, 36% 1993, 52% avg.; 17% mature, 11% 1993, 23% avg.; 37% silage harvested, 9% 1993, 29% avg.; 80% good, 20% excellent. Cotton 95% setting bolls, 73% 1993, 81% avg.; 35% fair, 50% good, 15% excellent. Rice 60% heading, 24% 1993, 43% avg.; 18% fair, 55% good, 27% excellent. Sorghum 91% heading, 70% 1993, 77% avg.; 50% turning color, 23% 1993, 37% avg.; 9% mature, 4% 1993, 11% avg.; 12% fair, 69% good, 19% excellent. Soybeans 80% blooming, 47% 1993, 49% avg.; 33% setting pods, 14% 1993, 22% avg.; 25% fair, 57% good, 18% excellent. Hay 70% harvested, 74% 1993, 65% avg. Peaches 92% harvested, 87% 1993, 91% avg. Pecans 25% poor, 50% fair, 25% good. Watermelons 75% harvested, 51% 1993, 66% avg.; 10% poor, 35% fair, 55% good. Livestock 8% fair, 80% good, 12% excellent. Pasture 90% of normal. Activities: Cotton insect control, hay harvest.

MISSOURI: Temperatures 9° below normal in the western counties to 6° below normal east central, southeast. Rainfall 0.25 in., varying from 0.04 in. northeast to 1.11 in. southwest.

Days suitable for fieldwork 6.3. Topsoil moisture 56% short, 43% adequate, 1% surplus. Corn in dough stage 49%, 20% 1993, 38% avg., most advanced in southeastern district 90%, least advanced northeastern district 28% dough. Soybeans most advanced north-central districts with 49% setting pods, least advanced southeast 25%. Sorghum heading most advanced southeastern district 89%. Alfalfa third cutting 38, 0% 1993, 10% avg. Other hay 93%, 78% 1993, 88% avg. Pasture 6% very poor, 7% poor, 62% fair, 18% good, 7% excellent.

MONTANA: Temperatures were above normal except in the extreme east. Scant precipitation for most of state.

Days suitable for fieldwork 6.8. Topsoil moisture 82% short, 18% adequate. Subsoil moisture 70% short, 30% adequate. Winter wheat 42% ripe, 0% 1993, 23% avg. Spring wheat 65% turning color, 7% 1993, 38% avg. Barley 14% ripe, 0% 1993, 6% avg.; 2% harvested, 0% 1993, 1% avg.; 1% very poor, 9% poor, 42% fair, 31% good, 17% excellent. Oats 13% ripe, 0% 1993, 6% avg.; 3% harvested, 0% 1993, 1% avg.; 1% very poor, 8% poor, 38% fair, 34% good, 19% excellent. Sugarbeet 2% fair, 71% good, 27% excellent. Second cutting alfalfa 24%, 0% 1993, 11% avg. Other hay harvest 85%, 38% 1993, 67% avg. Pasture, range feed condition 85% of normal.

NEBRASKA: Temperatures 2 to 9° below normal. Precipitation varied from a trace northwest and north central districts to 1.14 in. east central.

Days suitable for fieldwork 5.7. Topsoil 28% short, 70% adequate, 2% surplus. Subsoil 12% short, 86% adequate, 2% surplus. Corn condition 1% poor, 7% fair, 65% good, 27% excellent; 98% silked, 56% 1993, 77% avg.; 28% dough, 4% 1993, 11% avg. Soybean condition 8% fair, 64% good, 28% excellent; 99% blooming, 50% 1993, 71% avg.; 53% setting pods, 10% 1993, 21% avg. Sorghum 13% fair, 71% good, 16% excellent; 73% heading, 2% 1993, 22% avg. Dry bean 27% fair, 61% good, 12% excellent; 89% blooming, 39% 1993; 49% setting pods, 3% 1993. Pasture, range feed 89% of normal.

NEVADA: High pressure, a dry, southwesterly flow dominated the weather pattern, confining thunderstorm activity mainly to the north, east. Only stations in the Northeast reported any measurable precipitation, with Mountain City reporting the highest total at 0.37 in. Lightning touched off many fires and high winds exacerbated suppression. Temperatures were above normal statewide, with the south 6° above normal, other regions 4 to 5° above normal. Ely recorded record high temperatures of 97°, 96°, 95° on 27th through 29th.

Small grain harvest underway north. Winter wheat 10% harvested, 5% 1993, 30% avg. Spring wheat 5% harvested, 5% 1993, 25% avg. Barley 50% harvested, 30% 1993, 35% avg. First cutting of alfalfa complete, second cutting 50% complete, third cutting 5%. Dry weather continues to deplete soil moisture, dry ranges. Some public grazing land closing due to lack of water.

NEW ENGLAND: Precipitation 0.22 to 3.75 in. regionwide. Temperatures 61 to 74° north; 70 to 79° south. Temperatures 4° above normal regionwide. Maximum temperatures 82 to 92° north; 84 to 92° south. Minimum temperatures 53 to 63° north; 51 to 68° south.

Days suitable for fieldwork 5.5. Soil moisture 10% very short, 25% short, 65% adequate. Available grazing 5% very short, 45% short, 50% adequate. Fieldwork 2 days behind schedule. Late blight contained thus far to isolated potato fields in Aroostook County, Maine. Condition on unaffected Maine potato fields good. Maine oats condition good. Field corn condition good. Shade tobacco condition good, 25% harvested, 20% 1993. Outdoor tobacco condition good, 5% harvested, <5% 1993. First crop hay 99% harvested, 99% 1993, 99% avg.; good to fair. Second crop hay 45% harvested, 30% 1993, 35% avg.; good. Third crop hay 5% harvested, 0% 1993, 0% avg.; good to fair. Sweet corn 25% harvested, 20% 1993; good. Apples size medium, good, color good to fair. Peaches size medium, 10% harvested, fair to good. Pears size medium, condition good. Raspberries size medium, 40% harvested, condition good. Highbush blueberries size medium, 40% harvested, condition good. Wild blueberries size medium, condition good. Cranberries size large, condition excellent. Major farm activities: Harvesting vegetables, top dressing fields, insect, weed control.

NEW JERSEY: Temperatures near normal. Extremes 58°; 92°. Rainfall 1.59 in. north, 2.76 in. central, 2.00 in. south. Heaviest 24 hour total 2.50 in. on 26th, 27th. Estimated soil moisture, in percent field capacity, averaged 89% north, 93% central, 76% south. Four inch soil temperatures 75° north, 78° central, 77° south.

Days suitable for fieldwork 5. Rainfall reported statewide. Topsoil moisture supply remained at an adequate level. Active harvest of Lodi, Jersey mac apples. Good supply of green, yellow squash, cucumbers, green beans, tomatoes, eggplants, peppers, cantaloupes. Moderate supply of cabbage, beets, okra, turnips, watermelon. Light volume of herbs, green onions, parsley. Fall vegetables are being planted, including spinach, snap beans, cabbage, escarole, endive, lettuce. Potatoes are starting to be harvested statewide.

NEW MEXICO: An increase in summer-season thunderstorms brought some welcome relief from both heat, dryness. Western areas of the State saw the least rain, continued to have average temperatures 2 to 4° above normal. Nearly all eastern areas averaged at least one-half inch of new moisture, although showers remained scarce along the Pecos Valley of the southeastern plains. Mountain stations in both the north, south enjoyed 4 to 5 days with showers, totals of 1.00 to 2.00 in. of rain.

Days suitable for fieldwork 6.3. Soil moisture is 89% short, 11% adequate. Cropland conditions: Alfalfa 4% fair, 92% good, 4% excellent. Chile was reported at 23% fair, 77% good. Corn 6% poor, 29% fair, 59% good, 6% excellent. Irrigated sorghum was reported as 21% fair, 79% good. Dryland sorghum was 75% poor, 25% fair. Pecan 44% fair, 56% good. Cattle, sheep conditions varied across the State from poor to excellent. Range feed 53% of normal.

NEW YORK: Hot, humid weather prevailed. Scattered thunderstorms common during week. Severe storms caused property damage in localized areas.

Days suitable for fieldwork 4.1. Soil moisture mostly adequate except short in southeast. Very short on Long Island. Pasture feed 92% of normal. Hay in good condition. Second cutting alfalfa 55% finished, 55% 1993, 46% avg. Wet weather hindered harvesting. Corn in good to excellent condition. Crop is tasselling in north, silking in southern areas. Oat, wheat harvest underway. Early potato harvest continued. Tree fruits sizing well, helped by hot, humid weather. Insect pressure high. Vegetable harvest gained momentum. Orange County onions in good condition, growth good, decent bulbing. Early onions being readied for harvest.

NORTH CAROLINA: Mean temperatures at the seven reporting stations 71° at Asheville to 82° at New Bern. Rainfall 0.44 in. at Charlotte to 2.65 in. at Raleigh.

Days suitable for fieldwork 4.4. Soil moisture 7% short, 59% adequate, 34% surplus. Crop conditions: Pasture 4% poor, 17% fair, 77% good, 2% excellent; tobacco 8% fair, 80% good, 12% excellent; corn 2% very poor, 4% poor, 33% fair, 56% good, 5% excellent; cotton 2% very poor, 16% fair, 77% good, 5% excellent; peanuts 10% fair, 74% good, 16% excellent; soybeans 20% fair, 77% good, 3% excellent; hay 2% very poor, 10% poor, 25% fair, 63%; sweet potatoes 12% fair, 78% good, 10% excellent; apples 10% fair, 90% good; peaches 17% fair, 81% good, 2% excellent; sorghum 9% fair, 83% good, 8% excellent; truck crops 32% fair, 68% good; hay, roughage supplies 18% short, 78% adequate, 4% surplus; peaches harvested 80%, 70% 1993, 74% avg.; flue-cured tobacco harvested 17%, 16% 1993, 23% avg.; cotton squared 96%, 92% 1993, 93% avg.; cotton bloomed 82%, 83% 1993, 75% avg.; corn soft dough 79%, 74% 1993, 75% avg.; corn dent 61%, 46% 1993, 48% avg.; soybeans flowered 41%, 34% 1993, 35% avg.; second cutting of hay is 60% complete with the third cutting 23% complete. Activities included: Topping tobacco; harvesting flue-tobacco, peaches, truck crops, applying pesticides. Other activities

included: Harvesting hay; cultivating crops; tending livestock; equipment repair, general farm maintenance.

NORTH DAKOTA: Dry week with widely scattered thunderstorms. Precipitation none south central to 0.20 in. northeast. Temperatures 1° below normal northwest to 5° below normal east central, south central, southeast. Extremes 38° southwest; 100° west central.

Days suitable for fieldwork 6.9. Topsoil 3% very short, 34% short, 59% adequate, 4% surplus. Subsoil 2% very short, 19% short, 74% adequate, 5% surplus. Small grain development made good progress but varying level of disease reported in the east. Hard red spring wheat 8% swathed or combined, 0% 1993, 17% avg.; durum wheat 1% swathed or combined, 0% 1993, 7% avg.; barley 14% swathed or combined, 0% 1993, 32% avg.; oats 12% swathed or combined, 0% 1993, 23% avg. Hard red spring 1% very poor, 9% poor, 25% fair, 55% good, 10% excellent; durum wheat 5% poor, 20% fair, 59% good, 16% excellent; barley 1% very poor, 3% poor, 23% fair, 59% good, 14% excellent; oats 1% very poor, 5% poor, 23% fair, 61% good, 11% excellent. Late season crop development ahead of last year and at or ahead of average. Flaxseed 9% turning to ripe and beyond, 0% 1993, 11% avg.; corn 18% milk to dough and beyond, 0% 1993, 8% avg.; dry edible beans 10% fully podded, 0% 1993, avg. NA; soybeans 14% fully podded, 0% 1993, 6% avg.; sunflower 38% blooming and beyond, 1% 1993, 20% avg.; potatoes 89% rows filled, 71% 1993, 60% avg. Flaxseed 2% poor, 17% fair, 69% good, 12% excellent; corn 1% very poor, 2% poor, 17% fair, 61% good, 19% excellent; dry edible beans 1% very poor, 7% poor, 29% fair, 48% good, 15% excellent; soybeans 4% poor, 17% fair, 59% good, 20% excellent; sunflower 2% poor, 13% fair, 67% good, 18% excellent; sugarbeets 4% poor, 25% fair, 58% good, 13% excellent; potatoes 2% very poor, 3% poor, 35% fair, 41% good, 19% excellent. Range, pastures 87% of normal, hay 85% of normal. Alfalfa hay first cutting 99% complete, second cutting 39%, other hay 72%. Stockwater supplies 1% very short, 4% short, 90% adequate, 5% surplus.

OHIO: High temperatures the upper 70s north to the low 80s in the south were 2 to 5° below normal across central, southern areas, 1 to 3° below normal in most of the north. On the warmest days, temperatures held in the 80s. Highs of 87° at Hoytville, Dayton, Jackson. Low temperatures upper 50s to lower 60s, 1 to 3° below normal in most areas. Lowest reported was 52° at Fremont on the morning of the 29th. Growing degree day totals, from April 1st to present, range from around 1900 in parts of the north to near 2100 in the south. Degree day totals are typically from 150 to nearly 300 above normal for that period. Precipitation totals for the week exceeded 1.00 in. at a few locations, ranged to less than 0.10 in. at Toledo, Hoytville, Dayton, Wilmington. That leaves totals since April 1st more than 1.00 in. below normal in most of Ohio with deviations as much as 3.00 in. below normal at many sites.

Days suitable for fieldwork 5.6. Crop development is ahead of schedule. Crops are rated in good to excellent condition. Soil moisture 17% short, 78% adequate, 5% surplus. Corn silking is 51%. Oat harvest 59% complete. Potato harvest 7% complete. Summer Apple harvest 36% complete. Hay 3% poor, 28% fair, 59% good, 10% very good. Alfalfa hay second cutting 89% complete. Other hay second cutting 59% complete. Pasture feed 1% very poor, 5% poor, 30% fair, 56% good, 8% excellent.

OKLAHOMA: Temperatures 9° below normal southeast to 6° below normal Panhandle. Precipitation 0.06 in. Southwest to 1.86 in. east central.

Days suitable for fieldwork 5.2. Topsoil moisture 24% short, 69% adequate, 7% surplus. Subsoil moisture 28% short, 72% adequate. Corn 5% fair, 91% good, 4% excellent; 77% milk-to-soft, 59% 1993, 50% avg.; 7% mature, 5% 1993, 5% avg. Soybeans 67% flowering, 28% 1993, 35% avg.; 36% setting pods, 9% 1993, 10% avg. Peanuts 7% fair, 93% good, 83% pegging, 79% 1993, 82% avg.; 47% setting pods, 53% 1993, 35% avg. Pasture feed 91% normal. Cattle prices steady to \$2 per cwt. below preceding week.

OREGON: Temperatures very warm statewide except along coast. Eastern locations 5 to 10° above normal with high temperatures in the 90s, western interior 1 to 5° above normal, coast 2° below normal to 3° above normal. Precipitation: Dry statewide except scattered thundershowers. Redmond and Medford received 0.43, 0.21 in., respectively, elsewhere under 0.05 in.

Soil moisture: 62% short, 38% adequate. Winter wheat 57% harvested. Barley 31% harvested. Grain harvest underway all areas, except Klamath Basin where harvest expected shortly. Hay activities continued statewide. Some wheat damaged by wind shatter, north central locations. Peppermint harvest expected soon, central areas. Grass seed harvest, field burning continued, Willamette Valley. Field corn tasseling northwestern locations. Columbia Basin of Oregon onion, green pepper, potato harvests full swing. Central area potatoes sizing well, vegetable seed crops were pollinating. Willamette Valley: Onion, green bean, cucumber, kale, sweet corn, table beet harvest underway,

irrigating transplanted cauliflower, blueberry, boysenberry harvest continued, Marion blackberries harvest winding down, peach harvest continued, Gravenstein apple harvest underway, hazelnuts were sizing. Hood River Valley apple producers reported some sunburn damage. Hood River Valley Bartlett pear harvest expected in next 10 days. Cranberry sizing continued; southern coast. Livestock good to excellent. Range, pasture feed 71% of normal. Supplemental feeding underway Willamette Valley. Range, forest fires continued to threaten due to extreme dry, hot, windy conditions. Lighting strikes have caused numerous range fires.

PENNSYLVANIA: Above normal temperatures for the 21st week in a row. Precipitation was also above normal. Temperature 76°, 5° above normal. Extremes 48°; 93°. Precipitation 1.12 in., 0.26 in. above normal.

Days suitable for fieldwork 3. Soil moisture 17% short, 50% adequate, 33% surplus. Corn 60% silk, 44% 1993, 44% avg.; height 71 in., 62 in. 1993, 60 in. avg.; 1% very poor, 4% poor, 17% fair, 49% good, 30% excellent. Soybean 4% poor, 20% fair, 51% good, 25% excellent. Barley 100% turning yellow, 100% 1993; 98% ripe, 95% 1993; 89% harvested, 85% 1993. Wheat 100% turning yellow, 100% 1993; 95% ripe, 94% 1993; 73% harvested, 79% 1993. Oats 89% turning yellow, 95% 1993; 60% ripe, 70% 1993; 20% harvested, 39% 1993. Oats 2% very poor, 11% poor, 25% fair, 45% good, 17% excellent. Second cutting alfalfa 70% complete, 79% 1993. Quality of hay made 62% poor, 32% fair, 6% good. First cutting timothy clover 97% complete, 100% 1993. Feed from pastures poor to fair. Apple 22% below avg., 77% avg., 1% above avg. Activities: Harvesting small grains; repairing equipment; fixing fences; hauling manure; caring for livestock.

PUERTO RICO: Rainfall of 0.44 in. was 0.85 in. below normal. Highest total rainfall 2.22 in. at Pico del Este, 1.81 in. at Lajas Aes, 1.48 in. at Ponce 4E. Island temperatures 81 to 82° on the coasts, 75 to 78° interior with mean station temperature 84.2° at Coamo 2S to 66.1° at Pica del Este. Extremes 57°; 95°.

SOUTH CAROLINA: Rainfall 1.60 in.; temperatures averaged near normal to 3° below normal.

Days suitable for fieldwork 4.6. Soil moisture 12% short, 74% adequate, 14% surplus. Tobacco fair to good; 43% harvested, 25% 1993, 39% avg.; 1% stalks destroyed, 0% 1993, 0% avg. Corn fair to good; 95% doughing, 89% 1993, 90% avg.; 56% mature, 50% 1993, 50% avg.; 4% harvested, 9% 1993, 6% avg. Cotton 8% fair, 92% good; 93% squaring, 96% 1993, 97% avg.; 69% setting bolls, 86% 1993, 79% avg. Soybeans 30% fair, 70% good; 36% blooming, 43% 1993, 36% avg.; 12% setting pods, 14% 1993, 12% avg. Cantaloupes fair to good; 82% harvested, 75% 1993, 80% avg. Watermelons fair; 85% harvested, 79% 1993, 83% avg. Cucumbers fair to good; 92% harvested, 87% 1993, 87% avg. Peaches fair to good; 78% harvested, 66% 1993, 71% avg. Sorghum fair to good; 6% harvested, 8% 1993, 8% avg. Snap beans fair to good; 74% harvested, 85% 1993, NA avg. Fall hay fair to good; 20% harvested, 30% 1993, 29% avg. Pasture condition fair to good.

SOUTH DAKOTA: Temperatures 1 to 5° below normal. Extremes 38°; 101°. Very light precipitation, most locations less than 0.10 in. Heavier amounts 0.55 in. Black Hills, 0.54 in. northeast.

Days suitable for fieldwork 6.3. Topsoil 18% very short, 32% short, 46% adequate, 4% surplus. Subsoil 15% very short, 19% short, 56% adequate, 10% surplus. Winter rye 25% fair, 70% good, 5% excellent; 73% harvested, 9% 1993, 52% avg. Barley 5% poor, 41% fair, 51% good, 3% excellent; 44% harvested, 0% 1993, 40% avg. Oats 1% very poor, 4% poor, 40% fair, 48% good, 7% excellent; 61% harvested, 5% 1993, 47% avg. Flax 29% fair, 60% good, 11% excellent; 12% ripe, 1% 1993, 23% avg. Row crop progress well ahead of average. Sunflower 11% fair, 71% good, 18% excellent; 45% blooming, 9% 1993, 23% avg. Alfalfa 2nd cutting 63% harvested, 32% 1993, 45% avg. Other hay 70% harvested, 45% 1993, 60% avg. Livestock 1% fair, 78% good, 21% excellent. Feed supply 15% short, 74% adequate, 11% surplus. Pastures 88% of normal. Water supply 3% short, 87% adequate, 10% surplus.

TENNESSEE: Unseasonably cool weather; rainfall exceeded normal in all but extreme west. Extremes 56°; 88°.

Days suitable for fieldwork 3.1. Soil moisture 4% short, 63% adequate, 33% surplus. Corn 93% tasseling, 96% 1993, 88% avg.; 50% dough, 44% 1993, 46% avg.; 18% dent, 10% 1993, 15% avg.; 1% fair, 59% good, 40% excellent. Cotton 93% setting bolls; 94% 1993, 75% avg.; 1% fair, 77% good, 22% excellent. Sorghum 59% headed, 73% 1993, 62% avg.; 6% fair, 70% good, 24% excellent. Soybeans 50% blooming, 47% 1993, 38% avg.; 18% setting pods, 12% 1993, 11% avg.; 5% fair, 82% good, 13% excellent. Tobacco 40% topped, 29% 1993, 34% avg.; 10% fair, 84% good, 6% excellent. Other hay, 1% poor, 10% fair, 82% good, 7% excellent. Alfalfa, 7% fair, 83% good, 10% excellent. Cattle, 4% fair, 87% good, 9% excellent.

TEXAS: A midweek cold front brought milder temperatures to most areas in North, Central Texas; scattered showers fell in portions of the

Plains, Cross Timbers giving most crops a minimum amount of relief. However, additional rainfall continued to be needed throughout the State. Harvest operations pushed forward across much of South, Central Texas. Hot, dry conditions continued to deplete range, pasture quality, most field crops continued to show signs of stress from lack of moisture, high temperatures.

Crops: Corn harvest moved at a slow pace in the Blacklands due to varying degrees of corn maturity. Throughout southern portions, harvest activities continued to make good progress. In Plains, irrigation remained active, spraying for corn borers, mites occurred. Corn 85% normal, 85% 1993, 54%; dented, 54% 1993; 46% mature, 36% 1993; 23% harvested, 15% 1993. Cotton harvest was in full swing in the Valley, throughout Coastal Bend. Stalk destruction was also active in the Valley. Defoliation activities began in Central Texas, Blacklands in early maturing fields. In the Plains, dryland stands were cutting out due to lack of moisture, while most irrigated fields continued to show signs of stress. Irrigation, cultivation, insect scouting activities continued. Cotton 74% normal, 79% 1993; 11% open bolls, 7% 1993; 4% harvested, 2% 1993. Peanuts dryland fields remained stressed while most irrigated fields made excellent progress. Spraying for leaf spot continued. Peanut 79% normal, 75% 1993. Rice harvest operations continued along Upper Coast, South Central Texas. Rice 96% normal, 81% 1993. Sorghum harvest was active throughout Central Texas, Blacklands, continued to wind down throughout the southern areas. Sorghum in the Plains received minimal relief from scattered showers as most fields remained stressed. Sorghum 78% normal, 78% 1993. Soybeans made good progress again. A few more fields along Upper Coast were harvested, irrigation on Plains remained constant. Small grains land preparations for fall grain planting was active as most producers were either applying fertilizer for next year's crop or plowing this year's late harvested fields. Oats 99% harvested, 95% 1993.

Commercial Vegetables: Rio Grande Valley land preparations for fall vegetable planting continued, few fields were planted. Irrigation continued, some mite control activities in citrus occurred. San Antonio-Winter Garden: pre-watering, land preparation activities for fall vegetable plantings were active. Watermelon and cantaloupe harvest neared completion. Trans-Pecos: watermelon harvest began, cantaloupe harvest continued. East Texas: first fields of sweet potatoes were harvested. Harvest of tomatoes, peppers, watermelon continued. High Plains: watermelon harvest got underway, onion harvest continued. Peaches: Harvest of early varieties was virtually completed. In Blacklands, late varieties continued to produce while production was decreasing in Edwards Plateau. Pecans: In Cross Timbers, most trees continued to make good progress. Some trees were still shedding nuts due to high temperatures, lack of moisture during past several weeks. Irrigation was active in areas where available.

Range and Livestock: Range, pasture conditions continued to decline with most pastures turning brown. Hay cutting, baling decreased. Irrigation and fertilizer application increased in many hay fields. Livestock condition remained fair to good, as most producers increased supplemental feeding.

UTAH: Temperature maximums 6° above normal; minimums 5° above normal. Precipitation generally none to light. Seven stations received 0.11 to 0.46 in.

Days suitable for fieldwork 6.9. Soil moisture 92% short, 8% adequate. Irrigation water supply 28% very short, 69% short, 3% adequate. Stockwater supply 13% very short, 83% short, 4% adequate. Hay, roughage supplies 37% short, 61% adequate, 2% surplus. Spring wheat ripe 80%, 49% 1993; harvested 50%, 3% 1993, 28% avg. Barley ripe 73%, 57% 1993; harvested 47%, 15% 1993, 37% avg. Oats harvested hay/silage 83% completed, 68% 1993, 55% avg.; harvested for grain 18%. Winter wheat harvested 79%, 7% 1993, 46% avg. Corn height 63 in., 43 in. 1993, 50.8 in. avg.; tasseling 59%, 37% 1993, 45% avg. Alfalfa hay 2nd cutting 74% completed, 65% 1993, 71% avg. Other hay cutting 80% completed, 68% 1993, 74% avg. Tart cherries 99% picked. Pasture, range conditions poor to fair. Major farm activities were irrigating, harvesting alfalfa, oats, grass hay, barley, wheat, tart cherries, peaches, vegetables.

VIRGINIA: Temperatures near to slightly above normal. Extremes 57°; 95°. Rainfall above normal. Rainfall 0.76 in.; 6.14 in.

Days suitable for fieldwork 3.3. Topsoil moisture 3% very short, 3% short, 69% adequate, 25% surplus. Corn 5% very poor, 23% poor, 31% fair, 33% good and 8% excellent; silked 72%, 72% 1993, 72% avg.; dough stage 35%, 39% 1993, 40% avg.; dented 10%, 16% 1993, 19% avg. Soybean 55% fair, 44% good, 1% excellent; bloom 41%, 39% 1993, 41% avg.; setting pods 17%, 20% 1993, 22% avg. Peanut 1% fair and 99% good. Flue tobacco condition was 17% poor, 13% fair, 53% good, 17% excellent; harvested 8%, 15% 1993, 14% avg. Burley tobacco 18% fair, 82% good. Fire tobacco 15% fair, 58% good, 27% excellent. Sun tobacco 60% fair, 40% good. Cotton 8% fair, 92% good. Apple condition was 19% fair and 81% good. Summer apple harvest 10%, 5% 1993, 9% avg. Peaches harvested 45%, 38% 1993, 49% avg.

Potato harvested 75%, 95% 1993, 90% avg. Pasture feed 5% poor, 32% fair, 53% good, 10% excellent. Alfalfa hay condition was 1% poor, 32% fair, 51% good, 16% excellent. Other hay condition 12% poor, 38% fair, 45% good, 5% excellent. Topping tobacco, harvesting flue-cured tobacco continues. Harvesting vegetables including potatoes, cucumbers, tomatoes, peppers, squash. Apple, peach harvest continues. Spraying peanuts for leaf spot.

WASHINGTON: Temperatures 1° to 7° above normal west; 2° to 12° above normal east. Precipitation none to 0.12 in. west; none to 0.18 in. east. Weather continued hot, dry. High temperatures were at or above 100° throughout most of eastern areas.

Days suitable for fieldwork 6.9. Soil moisture 66% short, 34% adequate. Hay, other roughage supplies 1% very short, 7% short, 91% adequate, 1% surplus. Range, pasture feed 15% very poor, 40% poor, 40% fair, 5% good. Winter wheat dryland 20% poor, 40% fair, 38% good, 2% excellent; irrigated 1% poor, 3% fair, 86% good, 10% excellent. Spring wheat dryland 5% very poor, 45% poor, 40% fair, 10% good; irrigated 5% fair, 91% good, 4% excellent. Barley dryland 10% very poor, 30% poor, 45% fair, 15% good; irrigated 5% fair, 91% good, 4% excellent. Potatoes 9% fair, 85% good, 6% excellent. Dry edible beans 5% fair, 95% good. Corn 5% fair, 90% good, 5% excellent. Winter wheat 60% harvested, 11% 1993, 30% avg. Spring wheat 45% harvested, 0% 1993, 19% avg. Barley 58% harvested, 5% 1993, 24% avg. Potatoes 6% harvested, 5% 1993, 7% avg. Dry peas 75% harvested, 7% 1993, 27% avg. Alfalfa, second cutting, 80% complete, 62% 1993, 75% avg. The hot, dry weather favored harvesting activities, especially grains, hay. Wheat yields continued to be variable; barley yields were reported as poor. Water stress was showing up in some orchards. Smoke in the Wenatchee Valley helped to lessen sunburn problems in apple orchards. Raspberry harvest was nearly complete. The hot, dry weather continued to dry out non-irrigated ranges and pastures. Fire danger was still extremely high with many fires raging out of control in the central areas of the State.

WEST VIRGINIA: Temperature 70°. Extremes 52°; 96°. Precipitation 1.70 in.

Days suitable for fieldwork 2.9. Soil moisture 70% adequate, 30% surplus. Wheat 2% fair, 98% good; harvested 90%, 100% 1993, 79% avg. Hay 29% fair, 71% good; first cutting 98%, 100% 1993, 94% avg; second cutting 31%, 40% 1993, 31% avg. Apples 50% poor, 50% fair. Corn 6% poor, 8% fair, 81% good, 5% excellent; silked 47%, 52% 1993, 61% avg.; dough stage, 20%, 7% 1993, 16% avg. Oats 38% fair, 62% good; ripe 87%, 100% 1993, 89% avg.; harvested 54%, 79% 1993. Tobacco 20% fair, 80% good, topped 11%. Gardens 33% fair, 67% good. Soybeans 25% fair, 75% good; blooming 61%, 40% 1993; podding 35%. Pastures feed 20% fair, 80% good; 88% of normal. Cattle good. Sheep good. Farm activities: Cutting hay, harvesting oats, wheat, gardening.

WISCONSIN: Temperature 66°, 3° below normal. Extremes 39°; 90°. Precipitation trace to 1.40 in.

Days suitable for fieldwork 5.3. Soil moisture 8% short, 82% adequate, 10% surplus. Pasture feed 85%, 93% 1993, 78% avg. General condition of crops: 7% fair, 69% good, 24% excellent. Average height of corn 82 in., 56 in. 1993, 68 in. avg. Corn silked 75%, 9% 1993, 43% avg.; dough or beyond 7%, none 1993, 5% avg.; 2% fair, 30% good, 68% excellent. Oats 1% very poor, 11% poor, 35% fair, 46% good, 7% excellent. Soybean 5% fair, 42% good, 53% excellent. Second cutting hay harvested 57%, 36% 1993, 55% avg. Winter wheat harvested 61%, 12% 1993, 38% avg. Oats harvested 29%, 4% 1993, 17% avg. The crops are continuing to progress well, but as a Waupaca county reporter put it, "the weeds are growing profusely." Corn increased to 82 in., was 75% silked. Some corn is even beginning to advance to the dough stage. Small rainfalls remain a problem for farmers attempting to complete second cutting hay. Third crop is coming back well. Weeds, wet weather are causing difficulties in the harvesting of oats. Weeds are presenting a problem in soybeans, where pods are continuing to form. Winter wheat looks good with early reports indicating yields about normal. Reporters mentioned tobacco being topped in the southern part of the State.

WYOMING: Temperatures last week were mostly above normal. Moran 8° was above normal while Redbird was 3° below normal. Precipitation 0.10 to 0.40 in. below normal. Cheyenne, Laramie received the largest amount of precipitation at 0.43 in.

Days suitable for fieldwork 6.7. Topsoil moisture 82% short, 18% adequate. Winter wheat 99% mature, 80% 1993, 78% avg.; 78% harvested, 25% 1993, 36% avg. Spring wheat 54% mature, 7% 1993, 30% avg.; 4% harvested, 4% 1993, 8% avg. Oats 28% mature, 9% 1993, 25% avg.; 7% harvested, 2% 1993, 5% avg. Barley 46% mature, 19% 1993, 44% avg.; 12% harvested, 6% 1993, 10% avg. Corn 61% silked, 2% 1993, 16% avg.; 17% in milk, 0% 1993, 1% avg.; 4% in dough. Dry beans 53% setting pods, 33% 1993, 34% avg.; 6% leaves turning color, 0% 1993, 0% avg. Alfalfa 32% second cutting harvested, 5% 1993, 17% avg. Other hay 75% harvested, 64% 1993, 62% avg. Irrigation water supplies 62% short, 38% adequate.

July 1994
MONTHLY DATA FROM SELECTED FOREIGN CITIES
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
***** = DATA NOT AVAILABLE**

International Weather and Crop Summary
HIGHLIGHTS

July 24 - 30, 1994

FSU-WESTERN: Dry weather favored winter grain harvesting but adversely affected summer crop development.

FSU-NEW LANDS: Rain benefited spring grains in the filling stage.

EUROPE: Unseasonably warm, dry weather stressed corn and other summer crops in northeastern Europe.

SOUTH ASIA: Heavy showers soaked northern India's grain, cotton, and sugarcane regions.

SOUTHEAST ASIA: Dry, warm weather returned to Thailand's rainfed grain areas.

CANADA: Hot, dry weather stressed grains and oilseeds in the southwest Prairies.

EASTERN ASIA: Rain increased rice irrigation supplies in South Korea and southern Japan after several weeks of hot and dry weather.

AUSTRALIA: The drought continued in the east while the southern wheat areas received beneficial rains.

SOUTH AMERICA: Scattered frost possibly caused local damage to reproductive winter wheat in southern Brazil.

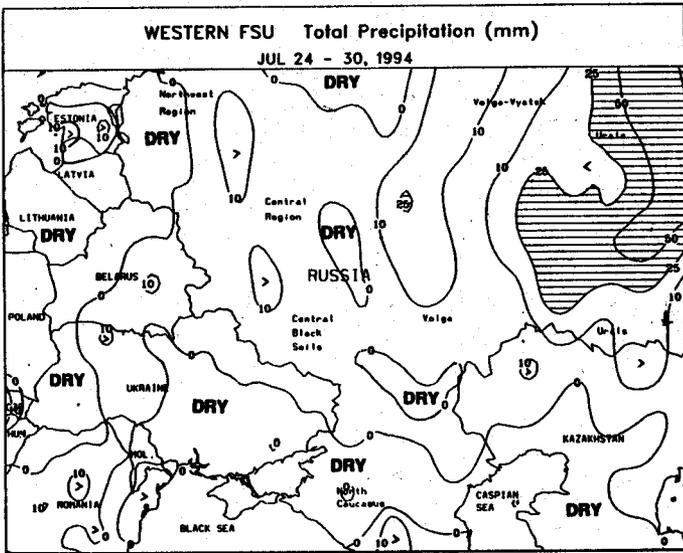
MEXICO: Despite recent scattered showers, rainfall has been below normal the past few weeks.

COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DEPART F/NRM	TOTAL	DEPART F/NRM
NORWAY	OSLO	27	13	30	8	20	4.4	7	-71
SWEDEN	STOCKHOLM	27	14	34	8	21	3.9	16	-55
FINLAND	HELSINKI	26	13	32	7	19	2.7	6	-66
U KING	GLASGOW	20	11	25	6	16	-0.1	54	-28
	EDINEBURGH	20	11	25	6	15	0.8	35	-23
	BIRMINGHAM	24	12	31	8	18	2.0	35	-14
	LONDON	25	14	31	8	19	2.3	31	-14
IRELAND	DUBLIN	19	11	22	5	15	-0.3	79	29
ICELAND	REYKJAVIK	15	10	18	9	12	1.9	45	-7
DENMRK	COPENHAGEN	25	15	31	9	20	2.2	7	-64
LUXEMB	LUXEMBOURG	28	17	34	9	22	5.2	23	-44
SWITZL	ZURICH	27	17	33	13	22	4.3	42	-77
	GENEVA	29	17	34	11	23	4.0	17	-51
FRANCE	PARIS/ORLY	28	17	34	13	23	***	36	**
	STRASBOURG	29	17	35	10	23	3.9	55	-1
	BOURGES	29	17	34	11	23	3.5	41	-11
	BORDEAUX	28	17	35	12	23	2.7	53	7
	TOULOUSE	30	19	36	13	24	3.0	14	-28
	MARSEILLE	32	21	36	17	27	3.1	0	-14
SPAIN	VALLADOLID	33	16	37	12	24	2.9	5	-12
	MADRID	36	18	38	14	27	2.4	3	-4
	SEVILLE	38	21	44	17	30	1.9	0	-1
PORTUG	LISBON	27	17	32	15	22	-0.5	1	-2
GERMNY	HAMBURG	28	16	35	9	22	5.2	16	-66
	BERLIN	29	17	37	12	23	4.2	40	-12
	DUSSELDORF	29	16	34	10	23	4.1	53	-22
	LEIPZIG	29	16	35	11	22	4.4	42	-21
	DRESDEN	28	16	36	11	22	4.3	45	-64
	STUTTGART	27	16	34	11	22	4.1	180	102
	NURNBERG	30	16	36	9	23	4.5	76	7
AUSTRI	VIENNA	29	16	34	13	23	2.6	87	18
	INNSBRUCK	28	14	33	10	21	3.2	98	-30
CZECH	PRAGUE	28	14	36	10	21	3.7	27	-40
POLAND	WARSAW	28	14	36	10	21	3.4	31	-36
	LODZ	29	14	37	8	21	3.6	36	-55
	KATOWICE	28	13	35	9	20	2.7	42	-52
	PRZEMYSL	27	14	33	10	20	2.8	22	-78
HUNGAR	BUDAPEST	30	18	36	13	24	3.5	53	1
F YUGO	BELGRADE	30	19	34	15	25	3.0	37	-32
ROMANI	BUCHAREST	29	17	37	12	23	0.6	147	82
BULGAR	SOFIA	27	16	32	13	21	1.2	47	-12
ITALY	MILAN	31	21	34	17	26	2.8	52	-12
	VERONA	32	20	35	15	26	2.3	63	2
	VENICE	31	21	34	17	26	2.4	59	-6
	GENOA	29	23	34	20	26	1.9	24	-4
	ROME	31	20	34	18	25	1.5	3	-11
	NAPLES	32	21	37	18	27	2.5	44	20
GREECE	THESSALONIKA	32	21	36	18	26	0.2	36	12
	LARISSA	33	19	38	15	26	-1.1	25	4
	ATHENS	32	23	35	19	28	-0.1	12	10
TURKEY	ISTANBUL	29	21	32	18	25	1.8	29	8
	ANKARA	32	14	37	8	23	-1.1	10	-10
CYPRUS	LARNACA	32	21	34	19	26	-0.7	0	-1
ESTONI	TALLINN	25	13	34	1	19	2.4	4	-72
FSU	ST. PETERSBURG	24	15	32	8	20	1.8	8	-70
LITHUA	KAUNAS	27	14	35	9	20	3.4	9	-62
FSU	MINSK	26	13	32	8	20	2.5	10	-92
	KAZAN	20	13	27	7	17	-2.9	63	-6
	MOSCOW	22	13	28	8	18	-0.7	60	-31
	YEKATERINEBURG	19	12	26	9	16	-2.9	207	127
	OMSK	23	14	30	10	19	-0.9	138	77
	KUSTANAY	22	14	28	10	18	-3.2	78	20
	KRASNOYARSK	25	14	31	9	20	1.5	74	-7
	NOVOSIBIRSK	25	15	32	9	20	1.4	119	60
	BARNAUL	26	15	32	11	21	0.8	44	-18
	KHABAROVSK	26	17	32	12	22	0.5	126	-6
	VLADIVOSTOK	22	17	30	12	20	2.5	87	-56
	KIEV	26	17	31	12	21	1.8	67	-19
	LVOV	27	13	33	9	20	2.6	16	-84
	KIROVOGRAD	28	14	34	9	21	-0.4	13	-48

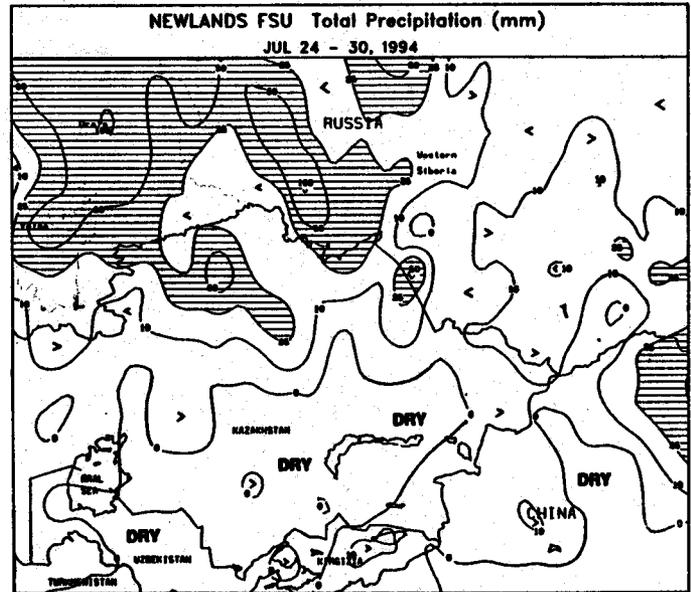
Based on Preliminary Reports

July 1994

COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)			
		AVG MAX	AVG MIN	HI	LO	DEPART	DEPART	F/NRM	TOTAL	F/NRM
FSU	ODESSA	28	20	32	17	24	2.6	12	-37	
	YALTA	29	22	34	18	26	1.3	54	6	
	VORONEZH	24	12	29	9	18	-1.5	37	-37	
	SARATOV	23	14	29	11	18	-2.0	50	-2	
	KHARKOV	26	15	35	12	20	0.0	5	-53	
	VOLGOGRAD	26	15	30	11	20	-3.6	13	-14	
	ROSTOV	28	17	31	13	22	-0.9	7	-49	
	ASTRAKHAN	31	18	35	15	24	-0.8	0	-22	
	KRASNODAR	30	16	34	12	23	-0.7	13	-33	
	ORENBURG	22	13	28	10	17	-4.5	69	32	
	TSELINOGRAD	24	14	33	9	19	-1.1	97	47	
	KARAGANDA	26	14	34	10	20	-1.1	25	-16	
	TBILISI	29	19	35	16	24	-0.3	11	-34	
	TASHKENT	35	19	39	16	27	-0.5	0	-3	
	ASHKHABAD	37	23	40	18	30	-0.9	0	-3	
SYRIA	DAMASCUS	36	18	41	11	27	0.0	0	0	
ISRAEL	JERUSALEM	29	18	36	16	23	0.2	0	0	
PAKIST	KARACHI	32	26	36	24	29	-1.3	170	81	
INDIA	AMRITSAR	34	27	38	25	31	0.2	93	-108	
	NEW DELHI	34	27	38	24	30	-0.8	436	212	
	AHMEDABAD	31	25	33	24	28	-1.5	389	133	
	INDORE	29	23	34	21	26	-0.9	205	-71	
	CALCUTTA	33	26	35	24	29	0.4	378	56	
	VERAVAL	30	26	34	25	28	-0.1	270	0	
	BOMBAY	30	25	31	23	27	0.2	951	6	
	POONA	26	22	28	20	24	-1.1	299	111	
	BEGANPET	30	22	34	20	26	-0.6	124	-45	
	VISHAKHAPATNAM	30	26	34	25	28	***	252	**	
	MADRAS	35	26	37	23	31	0.1	73	-55	
	MANGALORE	28	23	31	21	25	-0.6	1547	488	
H KONG	KINGS PEAK	30	26	34	22	28	***	943	**	
N KREA	PYONGYANG	29	22	35	20	26	2.1	289	-108	
S KREA	SEOUL	33	25	38	21	29	4.5	140	-218	
JAPAN	SAPPORO	27	19	32	14	23	2.8	42	-27	
	NAGOYA	34	25	38	23	30	3.8	72	-144	
	TOKYO	32	26	35	23	29	3.5	102	-25	
	YOKOHAMA	31	25	35	22	28	3.4	89	-52	
	KYOTO	35	25	38	24	30	3.7	84	-167	
	OSAKA	35	27	38	25	31	3.4	56	-102	
THAILAN	PHETCHABUN	32	24	35	22	28	0.8	162	-36	
	BANGKOK	32	26	35	24	29	0.1	74	-81	
MALAYS	KUALA LUMPUR	33	24	34	22	28	1.6	30	-101	
VIEINAM	HANOI	32	26	36	24	29	0.1	326	3	
CHINA	HARBIN	28	20	32	15	24	0.8	273	129	
	HAMI	34	18	39	13	26	-0.5	2	-4	
	LANCHOW	29	17	34	13	23	0.6	81	25	
	BEIJING	32	24	37	21	28	2.0	460	284	
	TIENTSIN	33	24	35	21	28	1.6	205	28	
	LHASA	25	10	28	8	17	1.3	100	-24	
	KUNMING	25	17	27	14	21	1.1	342	140	
	CHENGCHOW	33	24	35	22	29	1.8	191	45	
	YEHCHANG	33	25	39	23	29	1.6	142	-64	
	HANKOW	34	27	38	22	30	1.4	316	165	
	CHUNGKING	34	25	38	22	30	***	125	**	
	CHIHKIANG	32	23	37	21	28	0.1	223	107	
	WU HU	36	26	39	24	31	***	32	**	
	SHANGHAI	34	27	37	22	30	***	89	**	
	NANCHANG	34	27	37	23	30	0.6	83	-38	
	TAIPEI	33	27	35	25	30	1.6	199	-35	
	CANTON	32	26	37	24	29	0.4	380	167	
	NANNING	32	25	37	23	29	0.0	545	345	
CNRY I	LAS PALMAS	27	21	33	19	24	0.8	0	0	
MOROCC	CASABLANCA	26	21	33	19	24	1.2	0	0	
	MARRAKECH	40	22	46	13	31	2.7	1	-1	
ALGERI	ALGER	34	20	42	15	27	2.8	0	-1	
	BRINA	36	16	40	12	26	1.3	2	-6	
TUNISI	TUNIS	34	22	40	20	28	1.5	0	-2	
NIGER	NIAMEY	34	25	38	20	30	0.8	200	48	
MALI	TIMBUKTU	**	**	41	**	**	***	**	**	
	BAMAKO	31	22	34	17	27	0.0	258	28	
MAURIT	NOUAKHOTT	30	23	33	21	27	-0.7	0	-13	
SENEGAL	DAKAR	30	24	31	21	27	-0.1	3	-57	
CHAG A	DIEGO GARCIA	**	**	31	24	**	***	57	-84	
LIBYA	TRIPOLI	34	20	40	11	27	-0.6	0	0	
	BENGHAZI	30	22	37	20	26	-0.1	0	0	
EGYPT	CAIRO	35	23	40	21	29	0.5	0	0	
	ASWAN	41	26	43	20	34	0.2	0	0	
ETHIOP	ADDIS ABABA	20	12	23	10	16	0.6	241	-10	
KENYA	NAIROBI	23	12	27	8	18	0.8	9	-3	
TANZAN	DAR ES SALAAM	**	19	30	15	**	***	247	219	
GABON	LIBREVILLE	27	21	32	20	24	-0.3	5	4	
TOGO	LOME	28	24	29	22	26	0.8	**	**	
B FASO	OUAGADOUGOU	32	23	36	19	28	0.5	141	-44	
IVRY C	ABIDJAN	27	23	29	21	25	-0.2	57	-213	
MOZAMB	MAPUTO	25	12	33	7	19	-0.5	0	-20	
ZAMBIA	LUSAKA	22	7	29	3	15	-1.4	0	0	
ZIMBAB	HARARE	21	7	35	2	14	0.9	0	-2	
S AFRI	PRETORIA	19	2	24	0	10	-1.3	0	-3	
	JOHANNESBURG	16	0	20	-5	8	-1.9	0	-4	
	BEITHAL	18	-4	21	-8	7	-1.5	0	-8	
	DURBAN	23	10	30	6	16	-0.1	97	58	
	CAPE TOWN	18	7	24	2	12	0.3	69	-14	
CANADA	TORONTO	27	16	32	11	22	1.0	83	6	
	MONREAL	27	17	33	12	22	1.0	51	-35	
	WINNIPEG	24	12	31	8	18	-1.6	119	46	
	REGINA	25	11	32	7	18	-1.0	55	-4	
	SASKATOON	24	11	31	8	18	-1.1	45	-13	
	LETHBRIDGE	27	10	35	2	18	0.1	29	-16	
	CALGARY	25	10	33	5	17	1.0	38	-31	
	EDMONTON	24	13	30	5	18	0.6	**	**	
	VANCOUVER	23	14	29	9	19	1.3	27	-9	
MEXICO	GUADALAJARA	28	17	32	14	22	0.5	125	-132	
	MEXICO CITY	25	12	26	9	18	1.6	103	-22	
	ACAPULCO	34	25	36	18	30	1.0	40	-131	
	BERMUD ST. GEORGES	31	27	33	23	29	2.1	122	14	
	BAHAMA NASSAU	32	25	33	23	28	0.2	83	-58	
	CUBA HAVANA	32	24	38	22	28	0.8	78	-27	
	JAMAIC KINGSTON	33	26	35	23	30	0.7	12	-28	
	P RICO SAN JUAN	32	25	33	24	28	0.2	88	-23	
	GUADAL RAZET	32	24	33	22	28	0.9	11	-67	
	MARINQ LAMENTIN	31	25	32	23	28	1.2	24	-192	
	BARBAD BRIDGETOWN	31	25	32	23	28	0.8	38	-93	
	TRINID PORT OF SPAIN	31	24	32	23	27	1.1	87	-166	
	COLOMB BOGOTA	**	**	28	6	**	***	**	**	
	VENEZU CARACAS	**	**	31	22	**	***	**	**	
	F GUIA CAYENNE	30	22	32	21	26	0.6	250	5	
BRAZIL	FORTALEZA	**	22	29	21	**	***	52	-50	
	RECIFE	27	22	28	20	**	***	224	-155	
	HELO HORIZONTE	24	15	50	9	20	0.9	0	-39	
	CAMPO GRANDE	27	14	31	2	21	0.3	31	-15	
	FRANCA	25	14	28	7	20	4.2	5	-17	
	RIO DE JANEIRO	**	**	**	**	**	***	**	**	
	LONDRINA	**	**	**	**	**	***	**	**	
	SANTA MARIA	**	**	31	1	**	***	**	**	
	PORTO ALEGRE	20	11	31	0	16	1.2	133	5	
PERU	LIMA	19	15	21	13	17	-0.2	1	0	
BOLIVI	LA PAZ	14	-4	17	-7	5	-0.9	4	-5	
CHILE	SANTAGO	14	3	21	-3	9	0.4	53	-28	
ARGENT	IGUAZU	23	12	31	-1	17	***	86	**	
	FORMOSA	22	13	32	-1	18	0.7	71	23	
	CERES	18	7	28	-4	13	0.1	2	-17	
	CORDOBA	18	4	31	-7	11	0.5	1	-12	
	RIO CUARTO									

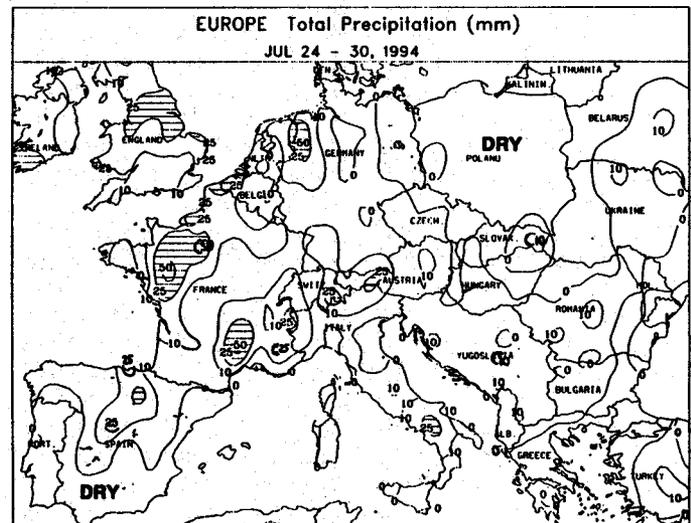


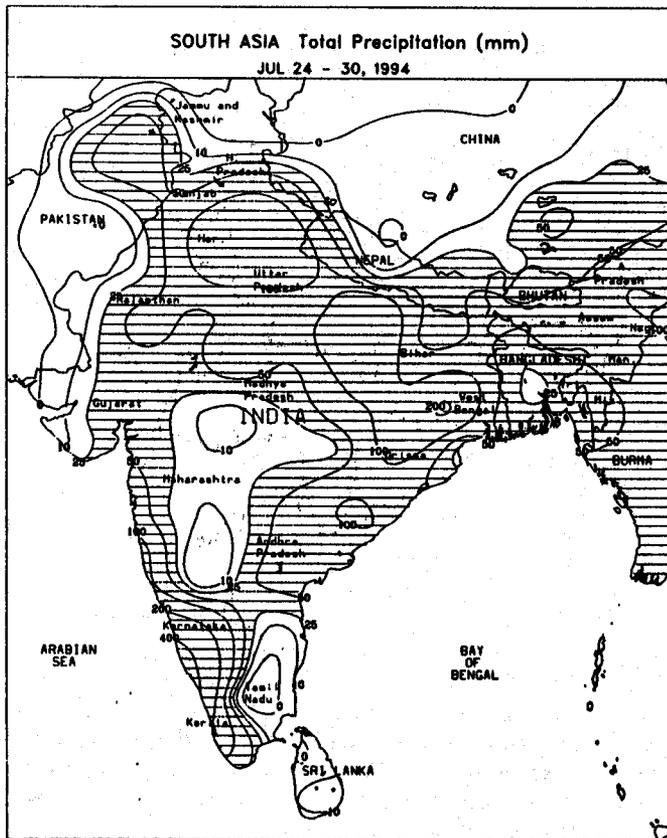
FSU-WESTERN: Mostly dry weather returned to Russia, Ukraine, Belarus, and the Baltic States. While the dryness benefited winter grain maturation and harvesting, below-normal precipitation since mid-June has adversely affected corn, sunflower, and sugarbeet development. In addition, extreme maximum temperatures in Ukraine, Belarus, the Baltic States, and the North Caucasus in Russia ranged from 33-35 degrees Celsius (C), further increasing stress on crops. Spring grain harvesting began in Ukraine and North Caucasus and was aided by the dry weather. Unseasonably cool weather continued over northern Russia (central Region, Volga Vyatsk, Central Black Soils, and upper Volga Valley), slowing spring grain development.



FSU-NEW LANDS: Rainfall increased over spring grain areas in the Urals, most of northern Kazakhstan, and adjacent areas in Western Siberia. Precipitation amounts ranged from 12 to 40 mm, with local amounts in excess of 50 mm. Periodic rain in July has reversed June's unfavorably dry weather pattern in most spring grain producing areas in Kazakhstan and Russia. While this past week's rain was mostly beneficial for spring grains in the filling stage, conditions were likely becoming too wet in parts of Russia where rainfall has been locally heavy, hindering crop growth. Weekly average temperatures were 1-3 degrees C below normal over most areas.

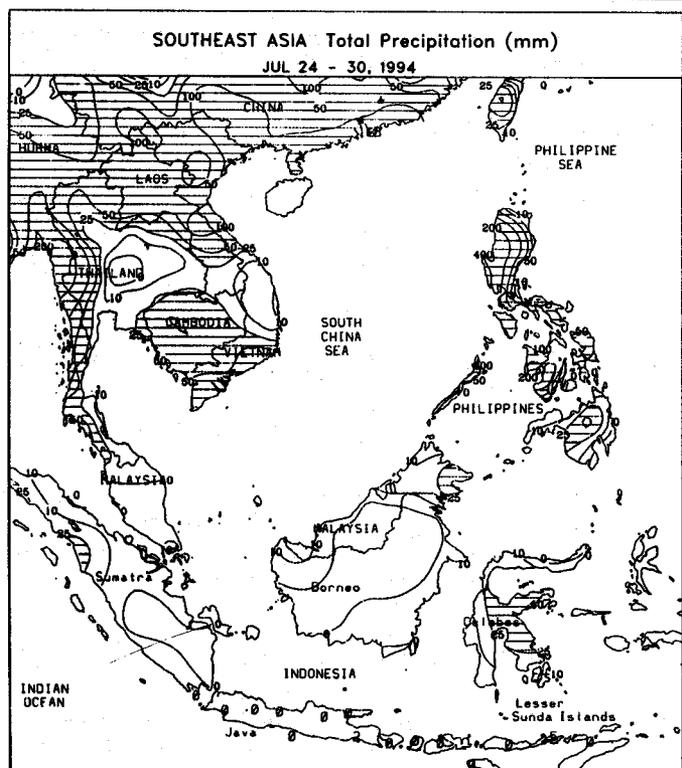
EUROPE: Hot, dry weather in northeastern Europe hastened winter crop harvest but stressed reproductive to filling summer crops. The dry weather in eastern Germany, Poland, and south to Hungary was accompanied by weekly temperatures averaging 4-8 degrees C above normal and high temperatures reaching 35 degrees C. Low soil moisture and the unseasonable heat hindered corn, sunflower, and sugar beet development. Drier weather in southeastern Europe favored winter crop harvesting following previous wetness. Showers (10-50 mm) covered much of western Europe, from north-central Spain to England. The rain was favorable for summer crop development, although only light showers fell on corn areas of southwestern France. The moisture, however, slowed winter crop harvesting in central England, northwestern France, and extreme northwestern Germany. Warm weather also promoted crop development in the west with weekly temperatures averaging 2-5 degrees C above normal. Dry, unseasonably warm weather also prevailed across most Scandinavian crop areas.



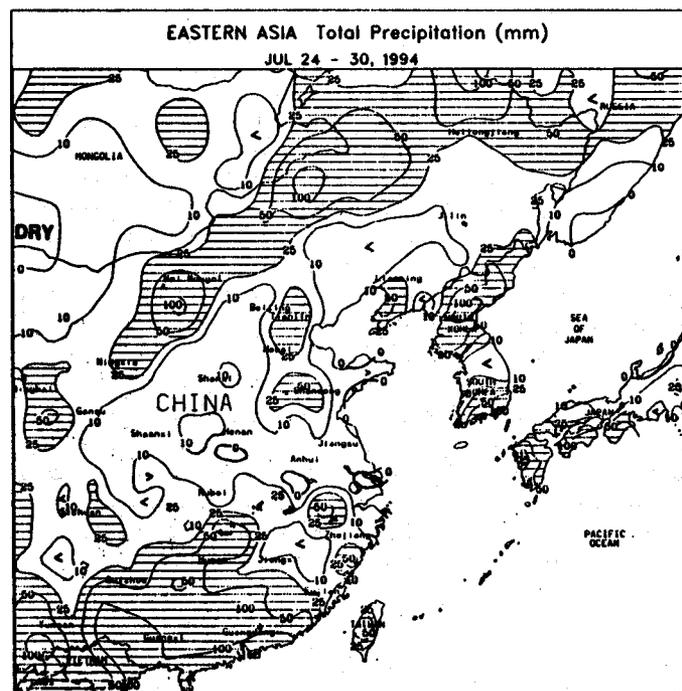


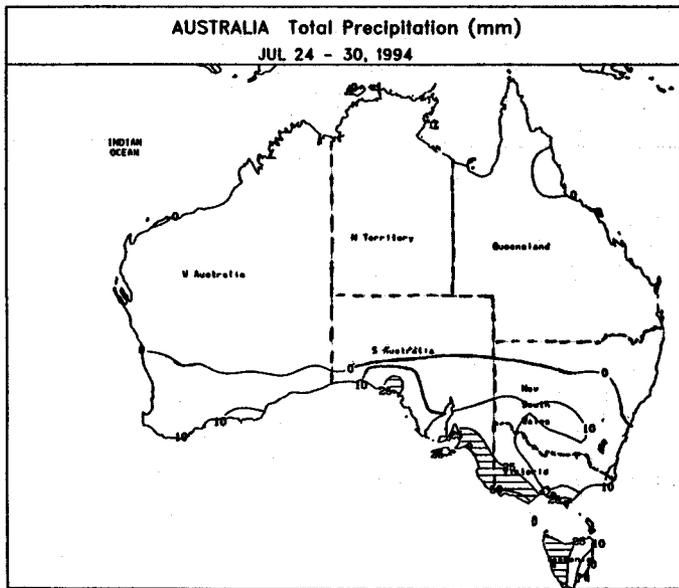
SOUTH ASIA: Heavy monsoon showers (50-100 mm) covered India's northern crop areas, providing ample moisture to primary grain, cotton, and sugarcane areas. In contrast, rainfall was lower (8-34 mm) compared to recent weeks over west-central India, bringing some relief to groundnut, soybean, sorghum, and cotton areas that had been too wet. Moderate to heavy showers (25-50 mm or more) returned to grain and oilseed areas of the southern interior, and continued throughout eastern rice areas from India's southeast coast northeast into Bangladesh. In Pakistan, heavy showers (50-100 mm) continued north of the major crop areas, boosting irrigation reserves.

EASTERN ASIA: Beneficial rains (15-100 mm, with isolated amounts greater 150 mm) fell across southern South Korea and southern Japan, increasing rice irrigation supplies which were being depleted by previous hot and dry weather. Temperatures, however, remained 2-4 degrees C above normal across both countries. Mostly dry weather prevailed across northern Japan and northern South Korea. At the end of the week, Typhoon Brendan approached South Korea. Very heavy showers (60-125 mm, with amounts along the coast greater than 150 mm) prevailed again over across southern China (Guangxi and Guangdong), exacerbating previous flooding and delaying early double-crop rice harvesting and late double-cropped rice transplanting. The showers were associated with Tropical Storm Amy which moved into northern Vietnam. Guangxi and Guangdong typically account for 15 percent of China's total rice production. Moderate to heavy showers (15-70 mm) fell across the remainder of southern China, keeping rice irrigation supplies abundant. Portions of central China (Hubei, Anhui, Jiangsu, and southern Henan) received only scattered light to moderate rain (5-25 mm). This region has received below normal rainfall the past several weeks. Light to moderate rain (8-30 mm, with isolated amounts greater than 50 mm) fell across the North China Plain, favoring reproductive to filling summer crops. Mostly light rain (5-20 mm) kept soils moist for summer crops across Manchuria. Temperatures averaged 2-4 degrees C above normal across central and northern China and near normal across southern China.

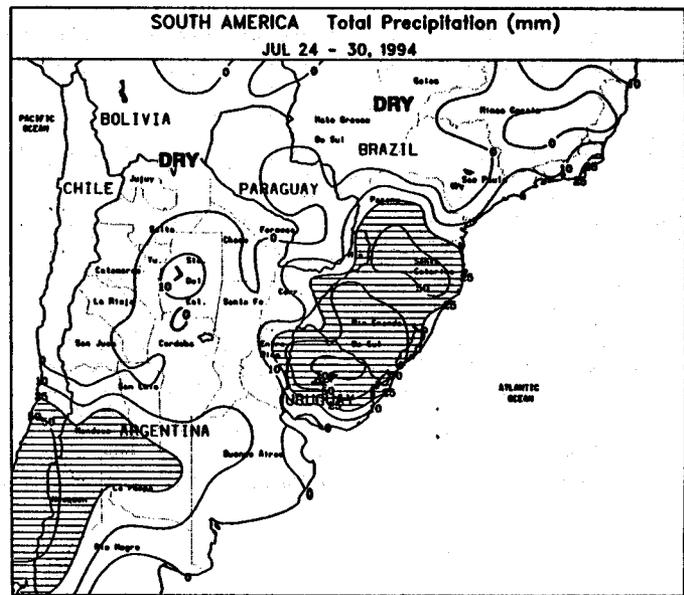


SOUTHEAST ASIA: Warm, dry weather persisted over central Thailand's rainfed rice and corn areas. While early planted rice and corn are filling to maturing, the month-long drying trend has reduced moisture for secondary crop planting. Moderate to heavy rain (25-50 mm or more) continued in northern and western Thailand, increasing irrigation reserves. The rain was partly from the remnants of Tropical Storm Amy, which struck northern Vietnam and moved west into Burma (Myanmar). Consequently, heavy rain (86-105 mm) fell along Vietnam's northern coast, with moderate to heavy showers (31-106 mm) continuing over southern Vietnam's primary rice areas. In the Philippines, inundating rains (100-382 mm) continued along Luzon's west coast, aggravating flood conditions. Moderate to heavy showers (25-50 mm or more) elsewhere in Luzon and in the northern Visayas benefited rice, corn, and sugarcane.

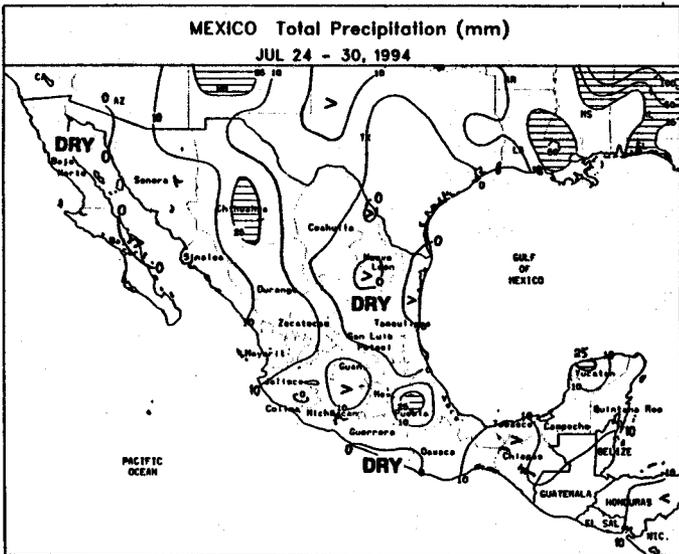




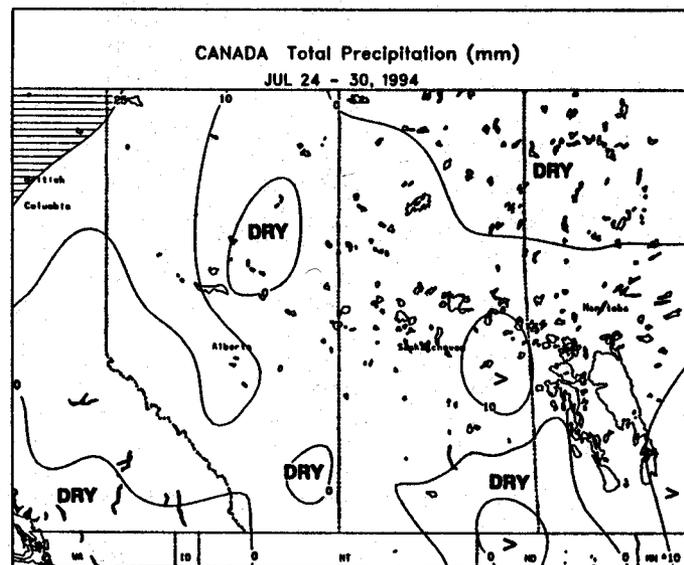
AUSTRALIA: Light to moderate rain (10-40 mm) fell across South Australia, Victoria, and the southern half of New South Wales, benefiting semi-dormant winter grains. However, the drought continued across northern New South Wales and southern Queensland. Light rain (less than 10 mm) fell across the western wheat areas. Seasonably dry weather favored sugarcane harvesting across the northeast coast of Queensland. Temperatures averaged 1-2 degrees C below normal across the east and near normal in the west.



SOUTH AMERICA: In southern Brazil, moderate showers (20-70 mm) covered Parana, Santa Catarina, and Rio Grande do Sul, keeping soil moisture abundant for winter wheat. However, isolated near to freezing temperatures in southeastern Parana and Santa Catarina may have damaged reproductive winter wheat. Dry weather aided citrus, coffee, and sugarcane harvesting in Sao Paulo. In Argentina, light showers (6-25 mm) were confined to northeastern La Pampa and northern Buenos Aires. Temperatures averaged 1-2 degrees C below normal across Argentina and 2-4 degrees C above normal across southern Brazil.



MEXICO: Only light rain (5-20 mm, with one amount greater than 50 mm) fell across the Southern Plateau corn belt, where rainfall has been trending below normal the past several weeks. Scattered showers (10-40 mm) helped to replenish reservoirs across the northwest (Sinaloa, western Chihuahua, and eastern Sonora). Dry, hot (maximum temperatures above 40 degrees C and averaging 2-3 degrees C above normal) weather prevailed across the northeast, depleting reservoirs for citrus. Temperatures averaged 2-3 degrees C above normal across the main corn belt.



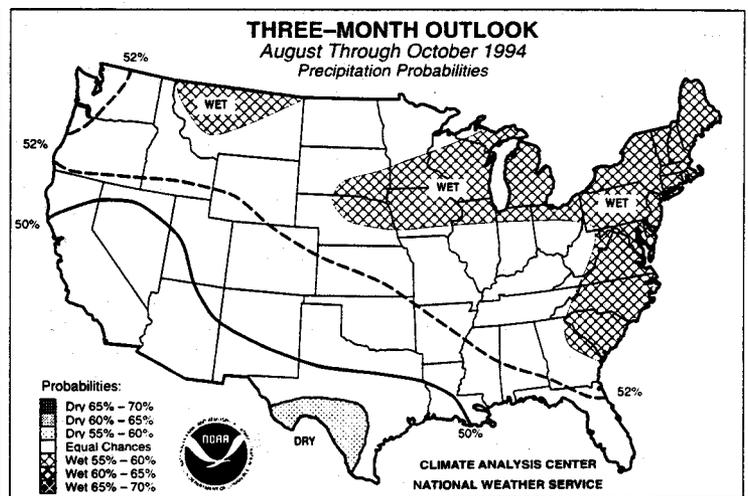
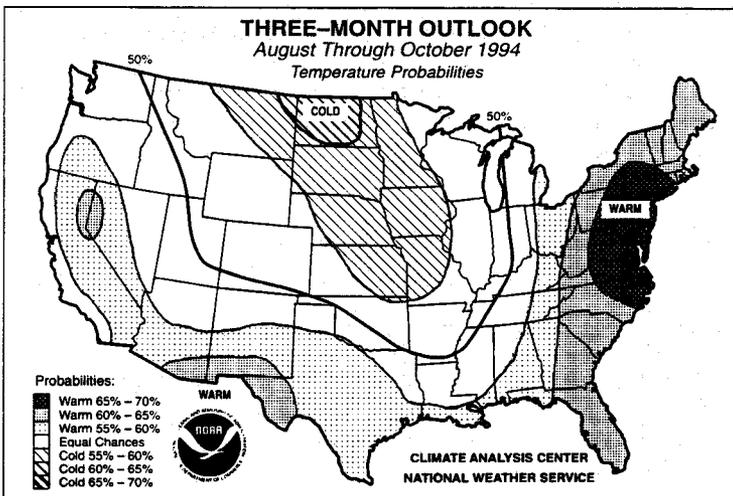
CANADA: Dry weather dominated the Prairies, and temperatures averaged 1-4 degrees C above normal over Alberta and western Saskatchewan. Highs frequently reached 32-35 degrees C over the southwestern Prairies, stressing reproductive to filling crops in areas that had been trending dry since mid-June. Despite a brief incursion of warm weather, temperatures were near to below normal in the eastern Prairies, where crops are generally doing well. In Ontario and Quebec, light to moderate rain (10-40 mm) and seasonable temperatures benefited corn and soybeans in or nearing the reproductive stage.

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