

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

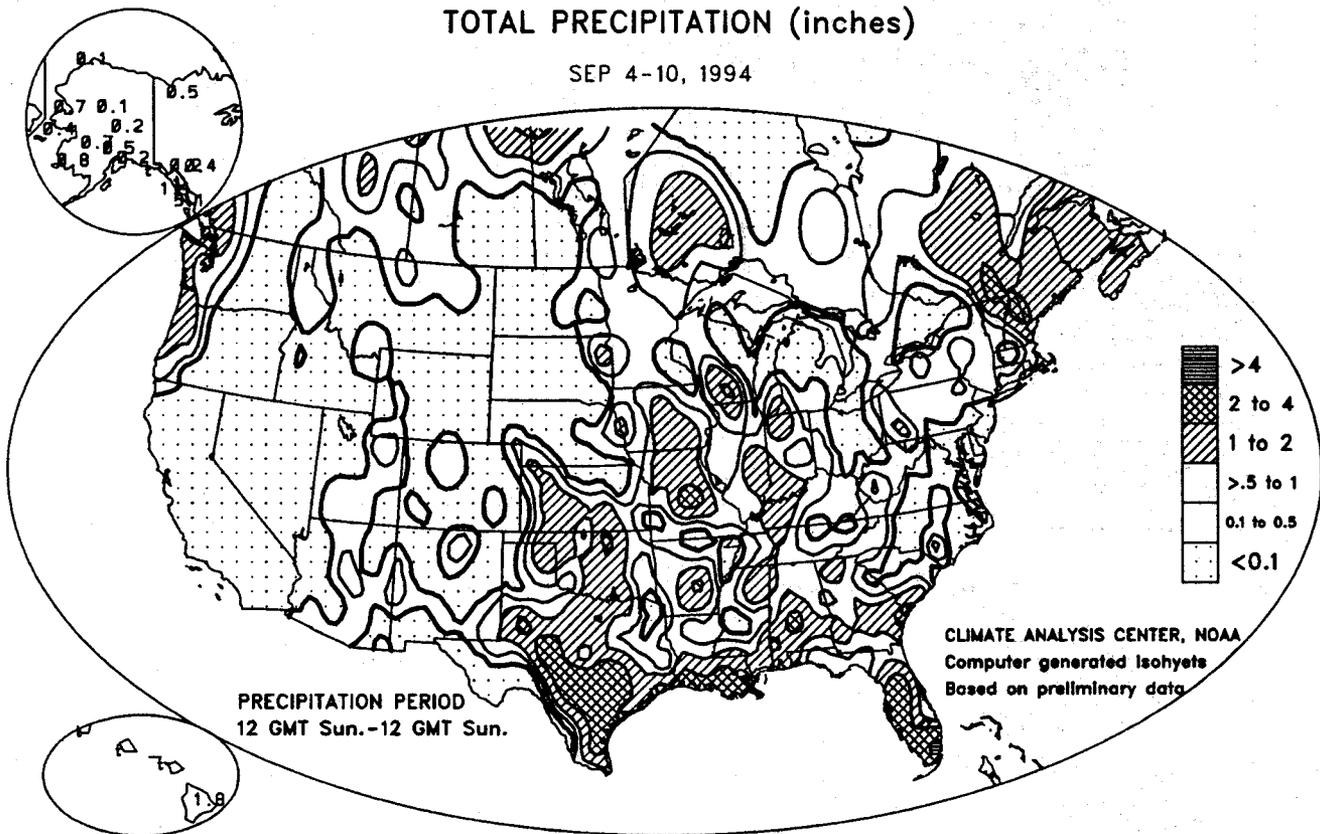
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Washington, D.C.

September 13, 1994

TOTAL PRECIPITATION (inches)

SEP 4-10, 1994



HIGHLIGHTS

September 4 - 10, 1994

Early in the week, a storm lashed coastal New England with gale-force winds, while a cold front's passage delivered scattered showers to the Midwest. Light rain moistened Kansas and Oklahoma at midweek. During the latter half of the week, the front stalled across the Southern Atlantic and Gulf Coast States, fueling locally heavy rainfall, and ensuring a cool regime for the East. Elsewhere, another week of harsh heat baked the Southwest, while an intense, but short-lived, late-season heat wave overspread the northern Plains. In the Pacific Northwest, late-week showers were primarily confined to areas from the Cascades westward.

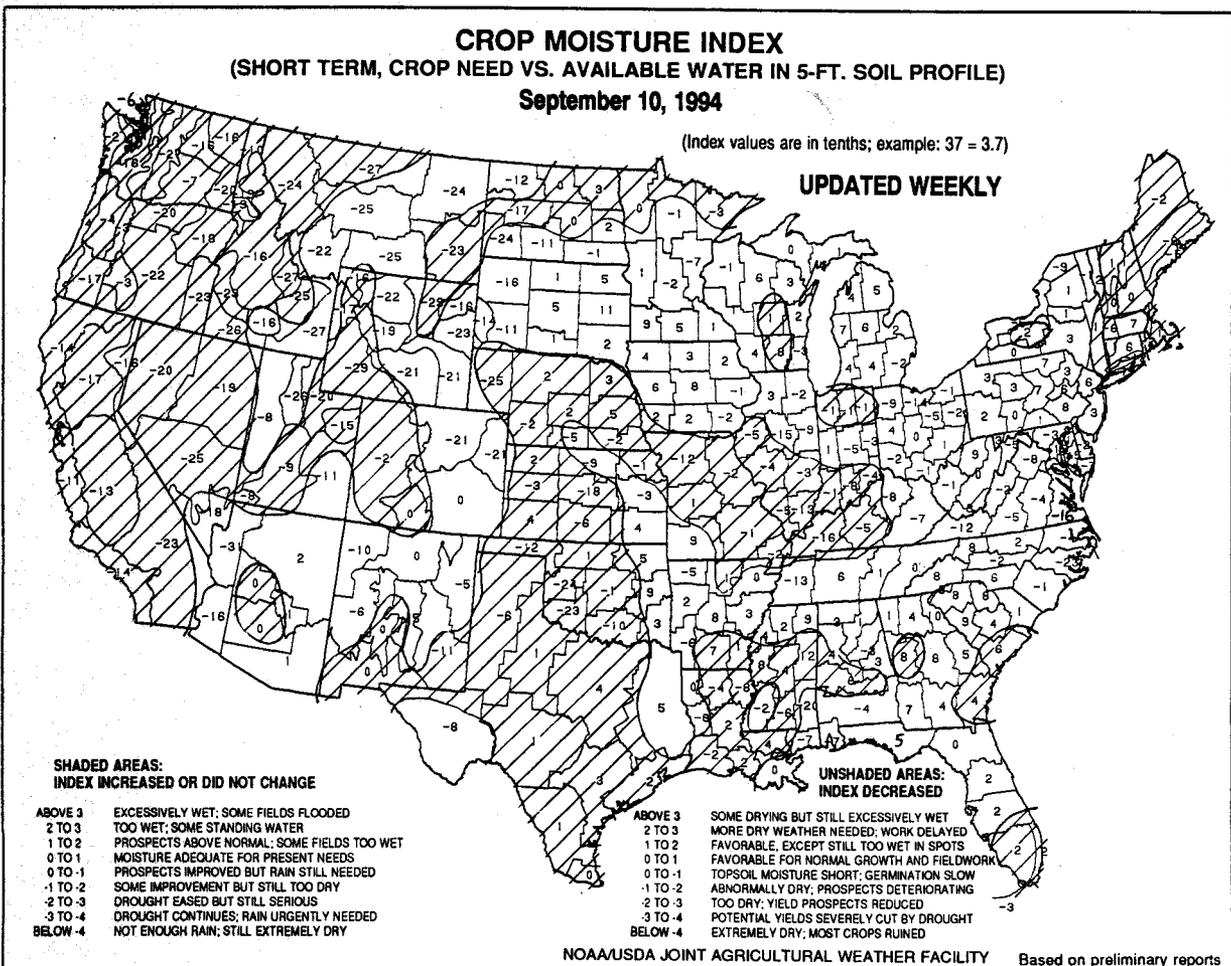
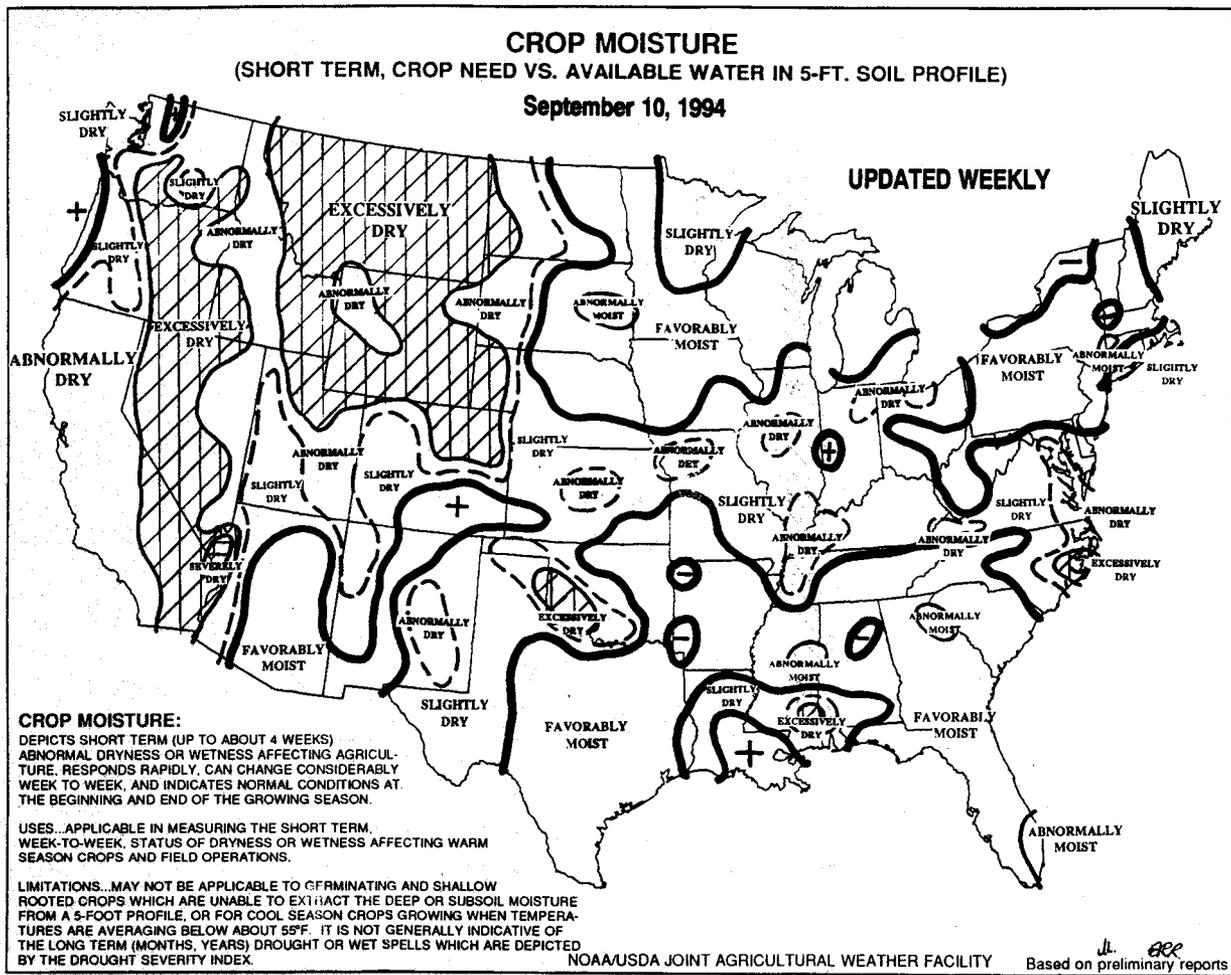
On Monday, New England's coastal storm produced a peak wind gust to 58 mph at Nantucket, MA, and wave heights of up to 18 feet off the coast of

(Continued to back cover)

Contents

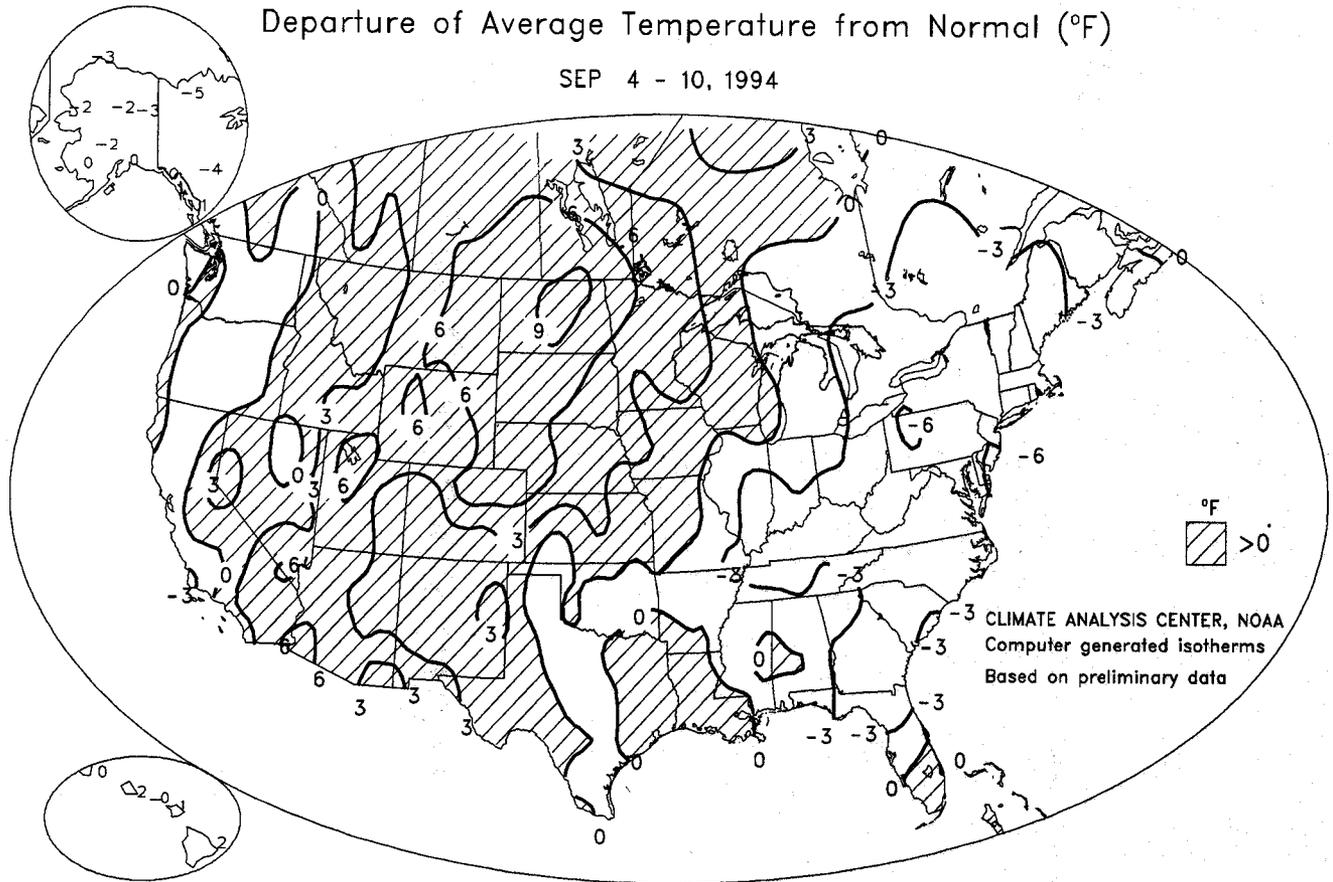
Page

Highlights & Total Precipitation Map	1
Crop Moisture Maps	2
Temperature Departure & Extreme Maximum Temperature Maps	3
National Weather Data for Selected Cities	4
August Weather in Historical Perspective	7
Summer Weather in Historical Perspective	8
Growing Degree Day Table	10
National Agricultural Summary	11
Crop Progress and Condition Tables	12
State Summaries of Weather and Agriculture	14
International Weather and Crop Summary	20
Subscription and Mailing Permit Information & U.S. Crop Production Highlights	24



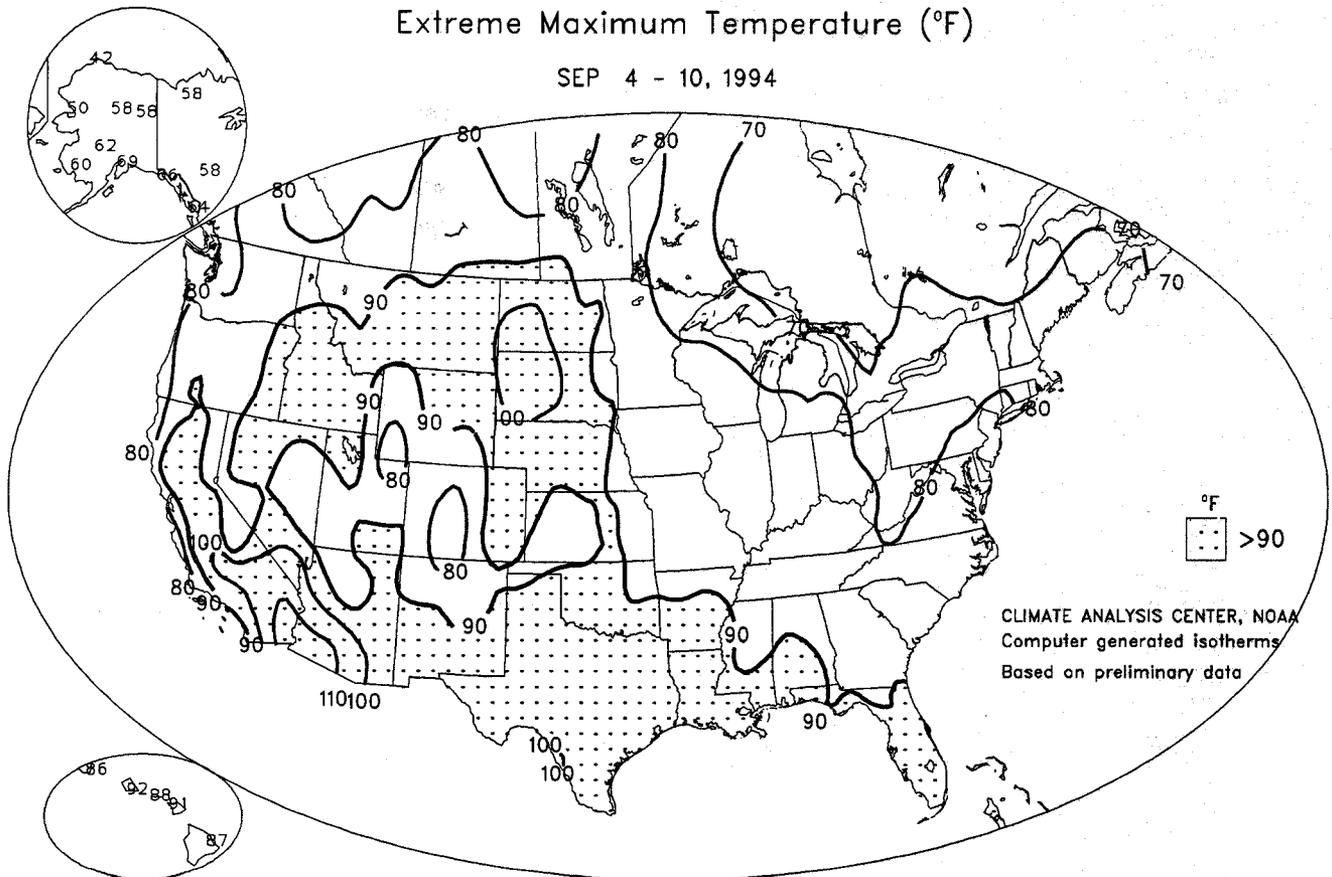
Departure of Average Temperature from Normal (°F)

SEP 4 - 10, 1994



Extreme Maximum Temperature (°F)

SEP 4 - 10, 1994



National Weather Data for Selected Cities

Weather Data for the Week Ending September 10, 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 Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL, IN., SINCE Jan 1		PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.
													90 AND ABOVE				32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	84	64	88	60	74	-2	.1	-.8	.1	.1	10	42.5	107	95	59	0	0	2	0
MOBILE	87	68	93	64	78	-2	1.1	-.5	.6	1.1	49	41.2	86	98	55	3	0	2	1
MONTGOMERY	87	68	93	61	77	0	1.1	-.2	1.1	2.6	195	43.0	105	94	56	1	0	1	1
AK ANCHORAGE	61	43	69	40	52	0	.7	-.1	.5	.7	76	6.9	70	93	53	0	0	2	0
BARROW	35	26	42	23	31	-3	.1	-.1	.1	.3	143	3.6	115	93	76	0	7	2	0
FAIRBANKS	57	35	61	27	46	-4	.2	-.1	.2	.4	100	6.6	84	91	49	0	3	2	0
JUNEAU	59	46	65	41	53	1	.2	-1.3	.2	.4	21	26.9	83	99	68	0	0	1	0
KODIAK	62	49	66	43	55	3	1.0	-.6	.6	1.0	46	54.9	128	92	61	0	0	3	1
NOME	53	39	56	31	46	0	.4	-.2	.4	1.1	119	14.1	139	89	65	0	1	1	0
AZ PHOENIX	103	80	107	75	92	4	T	-.2	T	1.4	439	4.2	86	52	23	7	0	0	0
PRESCOTT	86	59	91	55	73	6	.6	-.1	.6	1.2	146	10.0	71	79	29	1	0	2	1
TUCSON	101	73	105	70	87	4	.2	-.3	.2	1.4	224	5.2	64	73	24	7	0	1	0
YUMA	109	84	112	81	96	7	.0	-.1	.0	.0	0	.7	36	59	21	7	0	0	0
AR FORT SMITH	87	65	90	56	76	-1	T	-.7	T	.1	7	39.2	140	95	49	1	0	0	0
LITTLE ROCK	85	66	90	62	75	-1	.8	-.3	.6	.9	60	41.5	126	86	50	1	0	2	1
CA BAKERSFIELD	93	62	101	55	78	-1	.0	-.0	.0	.0	0	4.2	106	66	21	5	0	0	0
SUREKA	68	54	69	53	61	3	T	-.1	T	T	20	19.5	90	94	64	0	0	1	0
FRESNO	93	61	100	58	77	1	.0	-.0	.0	.0	0	6.3	90	70	20	5	0	0	0
LOS ANGELES	78	64	80	62	71	1	.0	-.1	.0	.0	0	6.2	78	90	56	0	0	0	0
REDDING	90	56	98	50	73	-3	.0	-.2	.0	.0	0	15.0	76	64	17	4	0	0	0
SACRAMENTO	89	55	96	52	72	-1	.0	-.1	.0	.0	0	6.7	62	90	25	3	0	0	0
SAN DIEGO	81	68	83	67	74	2	.0	-.1	.0	.0	0	8.2	128	91	57	0	0	0	0
SAN FRANCISCO	72	55	81	52	63	-1	.0	-.0	.0	.0	0	10.7	87	92	62	0	0	0	0
CO DENVER	89	58	94	54	74	8	T	-.3	T	T	2	7.5	62	77	17	3	0	0	0
GRAND JUNCTION	90	58	92	54	74	3	T	-.2	T	.1	19	3.6	53	76	14	3	0	1	0
PUEBLO	89	53	95	49	71	2	T	-.3	T	T	10	12.8	138	92	25	3	0	0	0
CT BRIDGEPORT	76	55	82	51	65	-3	.1	-.7	.1	.1	6	28.6	98	77	41	0	0	1	0
HARTFORD	75	52	81	48	63	-3	.3	-.6	.3	.3	21	36.3	121	82	40	0	0	1	0
DC WASHINGTON	81	60	86	57	70	-4	.0	-.8	.0	.0	0	29.7	109	82	38	0	0	0	0
FL PANAMA CITY	84	70	88	66	77	-2	1.2	-.3	.7	1.2	54	35.9	73	98	65	0	0	2	1
DAYTONA BEACH	86	70	89	67	78	-2	.6	-1.0	.5	1.4	64	41.8	122	98	66	0	0	2	0
JACKSONVILLE	86	67	91	62	76	-4	.2	-1.5	.2	2.5	105	42.3	118	98	59	2	0	1	0
KEY WEST	89	80	91	77	85	1	.3	-1.1	.1	.3	14	22.0	83	83	65	3	0	4	0
MIAMI	89	76	94	73	83	0	9.0	7.2	4.3	9.2	347	51.8	127	88	61	3	0	4	4
ORLANDO	90	71	92	69	80	-2	1.7	-.2	1.2	1.8	81	46.3	124	98	62	4	0	3	2
TALLAHASSEE	86	66	90	60	76	-4	1.3	-.2	1.3	1.8	85	63.1	125	95	55	2	0	2	1
TAMPA	90	73	93	73	82	0	3.1	1.5	1.2	3.1	133	37.1	108	96	58	3	0	4	3
WEST PALM BEACH	89	75	90	73	82	-1	1.4	-.2	1.1	1.4	60	47.5	116	92	62	2	0	6	1
GA ATLANTA	83	66	89	60	75	0	.9	-.1	.9	1.1	91	45.9	123	93	55	0	0	2	1
AUGUSTA	83	61	88	51	72	-5	T	-.8	T	1.1	6	32.7	96	100	60	0	0	1	0
MACON	83	64	88	58	73	-4	.3	-.4	.3	1.1	109	47.1	140	99	60	0	0	2	0
SAVANNAH	85	67	89	62	76	-3	1.2	-.1	.5	4.4	240	39.2	100	94	56	0	0	3	0
HI HILO	84	72	87	70	78	2	1.8	-.2	.7	5.7	199	113.6	130	95	70	0	0	6	1
HONOLULU	90	78	92	76	84	3	T	-.1	T	.1	40	12.1	98	78	57	6	0	1	0
KAHULUI	89	73	91	69	81	2	T	-.0	T	T	25	9.5	70	77	53	1	0	1	0
LIHUE	85	76	86	74	81	2	T	-.4	T	T	6	20.3	77	80	65	0	0	1	0
ID BOISE	84	50	95	44	67	1	.0	-.2	.0	.0	0	5.0	63	51	15	3	0	0	0
LEWISTON	80	54	93	48	67	0	.2	-.0	.2	.3	96	6.6	76	58	25	2	0	2	0
POCATELLO	85	45	95	32	65	3	.0	-.2	.0	.0	0	5.1	61	89	12	2	1	0	0
IL CHICAGO	77	58	86	53	67	0	.3	-.7	.3	.4	27	20.6	81	92	49	0	0	2	0
MOLINE	78	56	88	49	67	0	.5	-.5	.5	.5	33	23.0	80	96	50	0	0	1	0
PEORIA	79	56	90	51	68	-1	.2	-.7	.2	.2	17	15.2	59	96	45	1	0	1	0
QUINCY	77	58	86	54	68	-2	.2	-.9	.2	.2	12	14.4	51	85	49	0	0	1	0
ROCKFORD	76	55	86	48	65	-1	1.1	-.2	1.1	1.3	99	25.2	96	100	59	0	0	2	1
SPRINGFIELD	80	57	88	50	68	-2	.2	-.7	.2	.2	13	26.9	107	93	48	0	0	1	0
IN EVANSVILLE	83	59	88	54	71	-2	.6	-.1	.5	.6	59	23.0	70	91	48	0	0	2	1
FORT WAYNE	79	53	87	45	66	-2	.5	-.2	.5	.5	53	22.0	88	92	40	0	0	1	1
INDIANAPOLIS	79	56	87	51	67	-2	.2	-.5	.1	.2	18	23.7	82	90	46	0	0	3	0
SOUTH BEND	76	55	84	46	65	-2	1.6	-.7	1.0	1.6	127	24.3	90	95	51	0	0	3	2
IA DES MOINES	81	58	87	54	69	3	2.0	1.1	2.0	2.0	156	22.0	86	95	44	0	0	2	1
SIOUX CITY	83	58	87	52	71	4	1.1	-.4	1.1	1.7	170	18.1	90	94	44	0	0	1	1
WATERLOO	80	55	88	44	68	3	.3	-.6	.3	.9	70	26.9	105	96	46	0	0	1	0
KS CONCORDIA	85	61	87	52	73	2	.2	-.6	.1	.2	17	13.4	59	91	49	0	0	2	0
DODGE CITY	83	59	85	53	71	-1	.6	-.1	.6	.7	99	14.4	82	90	50	0	0	2	1
GOODLAND	88	56	93	50	72	5	T	-.4	T	T	5	11.3	75	91	27	3	0	0	0
TOPEKA	83	60	86	55	72	1	.1	-.8	.1	.1	8	19.5	74	96	49	0	0	1	0
WICHITA	85	64	87	59	74	2	.4	-.5	.4	.7	49	16.5	64	92	47	0	0	2	0
KY BOWLING GREEN	82	55	86	50	68	-4	.5	-.4	.5	.5	42	42.5	118	99	54	0	0	1	0
LEXINGTON	77	55	85	49	66	-5	.6	-.2	.6	.6	53	36.3	111	96	55	0	0	2	1
LOUISVILLE	80	59	88	54	70	-3	.6	-.2	.6	.6	52	24.6	76	94	46	0	0	1	1
LA BATON ROUGE	89	70	91	68	80	-1	1.9	-.7	1.4	2.2	126	48.1	108	99	59	2	0	2	1
LAKE CHARLES	90	74	93	72	82	2	1.1	-.3	1.0	2.3	115	31.2	82	98	60	5	0	3	1
NEW ORLEANS	91	70	93	65	80	0	.4	-1.0	.2	2.4	117	40.4	89	97	52	4	0	2	0
SHEREVEPORT	91	70	94	67	80	2	T	-.8	T	T	2	34.9	103	93	49	6	0	0	0

Based on 1961-90 normals.

Weather Data for the Week Ending September 10, 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 Sep 1	PCT. NORMAL SINCE Sep 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	
																		TEMP. °F	PRECIP.		
ME CARIBOU	62	45	69	35	54	-3	1.2	.4	.4	1.2	99	28.8	118	93	45	0	0	0	0	0	0
PORTLAND	68	48	75	43	58	-4	1.4	.7	1.3	1.4	141	28.4	99	97	59	0	0	0	6	2	1
MD BALTIMORE	80	56	84	53	68	-4	.0	.0	.0	.0	0	33.7	117	89	38	0	0	0	0	0	0
SALISBURY	80	52	84	48	66	-6	.0	.0	.0	.0	4	29.8	91	97	38	0	0	0	0	0	0
MA BOSTON	72	56	81	52	64	-3	.6	.9	.4	.6	4	33.6	120	79	47	0	0	0	3	3	1
CHATHAM	67	57	71	51	62	-2	1.8	1.0	1.7	1.8	152	34.4	115	81	59	0	0	0	0	0	0
MI ALPENA	70	44	76	38	57	-3	.2	.2	.2	.2	4	23.5	115	98	52	0	0	0	2	2	1
DETROIT	77	55	83	51	66	-2	.2	.6	.1	.2	12	22.3	96	88	45	0	0	0	1	1	0
FLINT	75	49	80	44	62	-2	.2	.9	.1	.2	0	22.9	109	97	46	0	0	0	0	0	0
GRAND RAPIDS	75	52	81	42	63	-1	.2	.9	.2	.2	13	34.6	142	96	53	0	0	0	1	0	0
Houghton Lake	73	49	78	37	61	-1	.2	.9	.2	.2	0	21.6	110	94	45	0	0	0	0	0	0
LANSING	75	49	78	38	62	-2	.1	.9	.1	.1	5	24.4	114	98	49	0	0	0	1	1	0
MARQUETTE	68	47	75	39	57	-1	.2	.7	.2	.2	22	17.4	74	93	45	0	0	0	1	1	0
MARQUETTE	74	53	80	44	63	-1	.4	.5	.4	.4	31	23.5	112	95	54	0	0	0	1	1	0
SOUTH ST. MARIE	64	44	67	38	54	-4	.2	.9	.2	.2	1	20.8	93	98	41	0	0	0	1	1	0
MN ALEXANDRIA	76	54	83	49	65	4	.6	.1	.6	1.1	114	13.1	66	94	51	0	0	0	1	1	1
DULUTH	70	52	77	48	61	4	.9	.0	.9	.9	68	20.7	94	90	49	0	0	0	2	2	1
INT'L FALLS	73	51	80	42	62	5	.9	.2	.9	.9	85	16.7	91	94	54	0	0	0	2	2	1
MINNEAPOLIS	78	57	86	50	68	4	.1	.6	.1	.4	39	18.8	86	95	49	0	0	0	3	3	0
ROCHESTER	76	55	83	49	66	3	.3	.6	.2	.4	35	24.1	107	96	56	0	0	0	2	2	0
MS GREENWOOD	89	66	92	63	78	0	1.0	.3	1.0	1.0	96	33.7	90	95	49	2	2	0	1	1	0
JACKSON	87	66	89	63	77	-1	.2	.7	.2	.5	48	43.9	113	95	49	0	0	0	1	1	0
MERIDIAN	89	68	91	62	79	1	.3	.6	.3	1.1	94	49.8	122	95	53	3	3	0	1	1	0
MO CAPE GIRARDEAU	82	59	86	55	70	-3	.7	.2	.7	.8	64	29.8	92	96	49	0	0	0	1	1	1
COLUMBIA	83	59	86	55	71	0	.4	.5	.4	.4	29	27.1	101	94	53	0	0	0	1	1	0
KANSAS CITY	83	61	87	54	72	2	.1	-1.0	.1	.1	8	19.6	71	94	47	0	0	0	1	0	0
SAINT LOUIS	83	63	87	60	73	0	.2	.5	.2	.2	23	24.5	93	83	45	0	0	0	2	0	0
SPRINGFIELD	82	61	85	56	72	0	.2	.1	.2	.9	55	34.8	115	86	47	0	0	0	2	0	0
MT BILLINGS	85	54	96	45	69	7	.2	.3	.2	.2	5	8.9	78	43	11	3	0	0	1	0	0
GLASGOW	83	51	93	44	67	6	.1	.2	.1	.1	30	7.6	84	83	18	2	2	0	0	0	0
GREAT FALLS	80	43	92	37	62	2	.2	.3	.2	.2	0	7.8	64	79	21	2	0	0	0	0	0
HAVRE	82	42	92	36	62	2	.2	.3	.2	.2	2	5.7	64	86	18	2	0	0	0	0	0
HELENA	82	44	93	36	63	4	.2	.3	.2	.2	7	5.7	62	86	21	2	0	0	0	0	0
KALISPELL	74	39	85	33	56	0	.2	.3	.2	.5	104	7.5	64	94	32	0	0	0	0	0	0
MILES CITY	86	52	96	44	69	6	.1	.2	.1	.1	21	6.3	57	64	21	3	0	0	1	0	0
MISSOULA	78	41	92	35	60	0	.3	.0	.3	.3	79	9.1	91	88	24	1	0	0	1	0	0
NE GRAND ISLAND	86	58	94	50	72	5	.2	.7	.2	.2	0	16.2	81	92	42	1	0	0	0	0	0
LINCOLN	83	58	86	50	71	2	.1	.8	.1	.1	4	16.0	73	96	48	0	0	0	1	0	0
NORFOLK	85	58	91	51	72	6	.1	.5	.1	.8	97	23.6	117	90	42	1	0	0	1	0	0
NORTH PLATTE	88	54	92	45	71	6	.1	.3	.1	.4	65	14.6	90	95	28	4	0	0	1	0	0
OMAHA	84	59	88	52	72	3	3.2	2.3	3.2	3.2	249	24.1	106	93	44	0	0	0	1	1	0
SCOTTSBLUFF	91	52	97	47	71	7	.0	.3	.0	.2	6	11.0	88	82	17	6	0	0	1	1	0
VALENTINE	88	55	97	45	72	5	.2	.6	.2	.2	2	15.8	86	78	27	4	0	0	0	0	0
NV ELY	83	47	85	34	65	6	.2	.2	.2	.2	0	6.0	83	89	15	0	0	0	0	0	0
LAS VEGAS	101	78	104	75	90	6	.0	.1	.0	.0	0	.9	29	40	12	7	0	0	0	0	0
RENO	86	50	91	44	68	5	.0	.1	.0	.0	0	3.2	63	89	15	3	0	0	0	0	0
WINNEMUCCA	86	40	93	32	63	0	.0	.1	.0	.0	0	4.8	86	95	10	3	1	0	0	0	0
NE CONCORD	70	42	76	35	56	-6	.5	.1	.5	.5	56	25.4	103	98	49	0	0	0	2	1	1
NJ ATLANTIC CITY	77	48	82	43	63	-6	.0	.7	.0	.0	0	32.6	114	92	41	0	0	0	0	0	0
NM ALBUQUERQUE	88	61	91	58	75	3	.2	.1	.1	.6	158	7.0	110	79	24	3	0	0	4	0	0
CLOVIS	87	62	91	59	74	4	.2	.6	.2	.2	4	8.6	63	88	33	2	0	0	1	0	0
ROSWELL	89	65	93	63	77	2	.3	.2	.3	.3	44	5.8	62	88	35	4	0	0	1	0	0
NY ALBANY	72	47	77	44	60	-5	.2	.6	.2	.2	15	27.9	110	88	42	0	0	0	2	0	0
BINGHAMTON	67	48	73	42	58	-5	.2	.8	.2	.2	2	33.1	129	90	49	0	0	0	1	0	0
BUFFALO	70	49	74	43	59	-5	.1	.7	.1	.1	11	25.1	97	87	46	0	0	0	2	0	0
NEW YORK	77	50	85	57	68	-3	.1	.8	.1	.1	11	33.2	112	69	39	0	0	0	1	0	0
ROCHESTER	72	49	78	43	60	-4	1.2	.5	.9	1.2	116	21.2	97	96	41	0	0	0	4	1	0
SYRACUSE	69	49	74	42	59	-5	.2	.7	.2	.2	17	29.2	111	91	47	0	0	0	1	0	0
NC ASHEVILLE	75	56	81	53	66	-3	.7	.4	.4	1.7	109	43.4	108	99	61	0	0	0	2	0	0
CHARLOTTE	81	62	86	57	72	-3	.2	.8	.2	.5	45	28.4	92	91	53	0	0	0	1	0	0
GREENSBORO	79	58	84	53	68	-4	.2	.8	.2	.8	66	29.5	97	94	53	0	0	0	1	0	0
HATTERAS	80	64	84	58	72	-4	.2	1.3	.2	2.9	158	42.1	110	90	60	0	0	0	0	0	0
NEW BERN	81	61	89	55	71	-5	.0	1.3	.0	2.3	120	28.5	69	97	51	0	0	0	0	0	0
RALEIGH	80	59	86	52	70	-4	.2	.8	.2	1.8	154	29.0	95	91	47	0	0	0	1	0	0
WILMINGTON	82	63	87	56	72	-4	.2	1.7	.2	1.1	45	36.7	87	97	53	0	0	0	1	0	0
ND BISMARCK	87	52	98	38	69	9	.2	.4	.2	.3	63	9.1	72	91	27	2	0	0	0	0	0
FARGO	80	56	90	45	68	7	.1	.4	.1	.2	21	17.0	112	88	43	1	0	0	2	0	0
GRAND FORKS	81	56	91	47	69	9	.4	.1	.4	.4	52	16.8	117	86	42	1	0	0	2	0	0
WILLISTON	85	48	100	38	66	6	.0	.3	.0	.1	24	12.3	112	87	23	2	0	0	0	0	0
OH AKRON-CANTON	74	51	78	47	62	-4	.3	.5	.3	.3	25	31.9	121	92	45	0	0	0	1	0	0
CINCINNATI	76	56	83	50	66	-4	.1	.6	.1	.1	9	30.6	102	97	57	0	0	0	1	0	0
CLEVELAND	75	52	79	48	63	-3	.2	.8	.2	.2	1	21.3	83	88	46	0	0	0	1	0	0
COLUMBUS	78	53	83	48	66	-1	.1	.7	.1	.1	12	24.0	89	96	48	0	0	0	1	0	0
DAYTON	76	54	84	46	65	-3	.3	.4	.3	.3	29	26.8	101	92	49	0	0	0	2	0	0

Based on 1961-90 normals.

Weather Data for the Week Ending September 10, 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 Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE		
TOLEDO	78	51	84	47	65	-1	T	-.7	T	0	21.6	93	94	42	0	0	0	0	0	0	
YOUNGSTOWN	72	47	77	42	60	-5	.2	-.6	.1	.2	17	27.5	104	94	49	0	0	2	2	0	
OK OKLAHOMA CITY	83	64	91	59	74	-2	.4	-.5	.3	.6	51	17.4	72	95	53	1	0	0	2	1	
TULSA	84	65	89	59	74	-2	.7	-.4	.7	.8	56	34.6	122	96	51	0	0	0	1	1	
OR ASTORIA	68	51	76	47	60	0	1.3	.8	1.1	2.4	329	38.5	102	98	63	0	0	0	3	1	
BURNS	78	37	87	30	58	0	.0	-.1	.0	.0	0	2.9	45	59	16	0	1	0	0	0	
MEDFORD	84	51	95	47	68	-1	.2	.0	.2	.2	75	5.3	52	91	29	3	0	0	1	0	
PENDLETON	79	52	87	47	66	-1	.1	.0	.1	.1	70	8.1	107	57	19	0	0	0	1	0	
PORTLAND	77	55	90	53	66	1	1.3	.5	.4	1.1	212	15.7	75	89	21	1	0	0	3	0	
SALEM	77	51	88	47	64	0	1.9	1.0	.5	1.4	346	17.5	79	92	26	0	0	0	3	2	
PA ALLENTOWN	76	51	82	48	63	-4	.1	-.9	.1	.1	8	37.6	123	89	43	0	0	0	1	0	
ERIE	70	53	75	49	62	-5	.3	-.8	.2	.3	17	28.7	105	86	46	0	0	0	3	0	
HARRISBURG	75	53	80	48	64	-5	.2	-.7	.1	.1	10	18.3	64	85	48	0	0	0	1	0	
PHILADELPHIA	77	57	83	53	67	-2	T	-1.0	T	T	0	37.2	115	77	39	0	0	0	0	0	
PITTSBURGH	74	52	77	48	63	-4	.7	.0	.4	.7	71	32.0	120	86	48	0	0	0	2	0	
SCRANTON	72	48	77	43	60	-6	1.0	.2	1.0	1.0	89	30.3	118	93	47	0	0	0	1	1	
RI PROVIDENCE	72	53	80	49	62	-4	.4	-.4	.2	.6	49	30.9	100	88	48	0	0	0	2	0	
SC CHARLESTON	84	67	89	60	76	-3	1.8	.5	.7	3.5	184	44.4	111	89	56	0	0	0	4	2	
COLUMBIA	84	62	89	54	73	-4	.1	-.9	.1	.3	19	35.4	93	94	49	0	0	0	1	0	
FLORENCE	85	63	90	57	74	-3	T	-.9	T	T	16	29.1	87	94	49	1	0	0	1	0	
GREENVILLE	79	61	85	55	70	-4	.5	-.4	.3	1.0	80	39.7	108	96	60	0	0	0	3	0	
SD ABERDEEN	83	53	90	42	68	6	T	-.5	T	.6	77	15.2	88	90	43	1	0	0	0	0	
BURON	83	56	90	47	69	5	T	-.4	T	1.7	288	17.4	107	94	49	1	0	0	0	0	
RAPID CITY	88	54	102	46	71	8	.0	-.3	.0	.1	30	6.6	48	58	18	3	0	0	0	0	
SIOUX FALLS	82	58	91	53	70	6	T	-.7	T	2.4	225	19.2	105	95	51	1	1	0	0	0	
TX CHATTANOOGA	81	63	84	59	72	-3	.5	-.5	.4	.7	50	58.8	156	99	52	0	0	0	3	0	
KNOXVILLE	81	61	85	56	71	-2	.1	-.7	.1	.1	8	54.8	161	98	53	0	0	0	2	0	
MEMPHIS	86	64	88	61	75	-2	.1	-.7	.1	.5	37	35.3	98	91	49	0	0	0	0	0	
NASHVILLE	81	60	85	56	71	-4	.6	-.3	.6	.7	58	46.7	138	93	52	0	0	0	1	1	
TX ABILENE	84	67	95	62	75	-3	1.3	.5	.7	3.3	302	20.4	118	93	54	2	0	0	3	0	
AMARILLO	84	59	91	54	72	0	.5	.0	.4	.5	68	14.5	92	93	44	1	0	0	3	0	
AUSTIN	90	71	96	68	80	-2	3.6	2.9	3.2	4.3	433	24.4	112	91	49	4	5	0	3	1	
BEADMONT	89	72	93	67	81	0	1.3	-.2	.9	4.6	214	49.5	126	100	63	5	0	0	3	1	
BROWNSVILLE	91	72	94	70	82	-1	.9	-.5	.7	1.7	89	14.8	87	95	49	6	0	0	3	1	
CORPUS CHRISTI	92	71	95	68	82	-1	3.0	1.7	1.6	3.2	173	19.8	96	93	47	5	0	0	3	2	
DEL RIO	94	71	100	67	83	2	.2	-.5	.2	.2	16	15.4	85	88	44	5	0	0	1	0	
EL PASO	94	69	99	64	81	5	T	-.4	T	.2	5	3.0	50	66	26	6	0	0	0	0	
FORT WORTH	88	72	94	66	80	2	T	-1.0	T	1.3	92	26.7	105	90	50	3	0	0	0	0	
GALVESTON	88	77	92	74	83	1	1.4	.0	.7	2.2	106	18.6	65	87	66	2	0	0	3	2	
HOUSTON	91	74	97	70	82	2	.3	-1.0	.2	1.0	52	25.8	72	99	60	5	0	0	2	0	
LOBBOCK	88	62	96	59	75	2	.3	-.3	.3	.3	35	10.9	79	92	44	2	0	0	1	0	
MIDLAND	87	65	95	63	76	0	.1	-.7	.1	.3	24	7.8	75	91	46	2	0	0	2	0	
SAN ANGELO	89	68	99	65	78	1	2.0	1.2	2.0	2.2	200	11.1	80	91	45	3	0	0	2	1	
SAN ANTONIO	92	72	100	68	82	0	3.9	3.1	1.7	4.2	386	25.3	119	89	44	4	0	0	3	3	
VICTORIA	91	72	95	70	82	1	1.8	.3	1.2	2.6	130	27.6	92	96	54	5	0	0	3	2	
NACO	92	70	98	64	81	0	.1	-.6	.1	.3	30	20.1	92	91	41	5	0	0	2	0	
WICHITA FALLS	89	69	97	65	79	1	1.4	.4	1.4	1.5	111	8.0	36	91	44	2	0	0	1	1	
UT CEDAR CITY	86	58	89	52	72	6	T	-.2	T	T	5	4.7	57	51	17	0	0	0	1	0	
SALT LAKE CITY	90	62	95	51	76	7	T	-.3	T	T	3	8.4	75	65	25	3	0	0	0	0	
VT BURLINGTON	67	46	74	41	57	-5	.2	-.7	.1	.2	16	27.9	117	92	55	0	0	0	3	0	
VA NORFOLK	80	62	86	57	71	-3	1.1	.1	.5	1.4	102	42.9	130	90	50	0	0	0	4	2	
RICHMOND	82	56	86	51	69	-4	T	-.8	T	.1	5	32.3	104	90	38	0	0	0	1	0	
ROANOKE	80	54	85	50	67	-3	T	-.8	T	T	0	36.1	125	91	37	0	0	0	0	0	
WA QUILLAYUTE	67	49	75	42	58	0	1.8	1.0	1.3	2.2	190	58.1	96	98	67	0	0	0	3	1	
SEATTLE-TACOMA	71	55	78	52	63	0	1.0	.6	.6	1.5	290	17.2	82	89	50	0	0	0	4	1	
SPOKANE	75	49	87	42	62	0	.2	.0	.2	.5	188	6.7	64	85	28	0	0	0	1	0	
YAKIMA	79	45	86	41	62	-2	T	-.1	T	.1	57	4.4	91	86	30	0	0	0	1	0	
WV BECKLEY	71	51	76	47	61	-4	.6	-.2	.5	.6	50	41.7	140	95	49	0	0	0	2	0	
CHARLESTON	76	55	81	50	66	-5	.4	-.4	.2	.4	32	42.2	138	98	57	0	0	0	2	0	
HUNTINGTON	76	54	83	51	65	-4	.1	-.7	.1	.1	8	37.3	120	98	53	0	0	0	1	0	
PARKERSBURG	76	54	81	48	65	-5	T	-.7	T	T	0	39.5	130	96	53	0	0	0	0	0	
WI GREEN BAY	73	53	80	49	63	1	.1	-.8	.1	.1	6	22.9	111	91	58	0	0	0	1	0	
LACROSSE	78	57	87	51	67	3	...	...	...	...	...	...	97	51	0	0	0	0	0	0
MADISON	77	54	88	46	65	2	2.5	1.6	2.5	2.7	201	25.6	109	94	52	0	0	0	3	1	
MILWAUKEE	76	60	81	55	68	3	.1	-.7	.1	.1	11	20.6	87	91	53	0	0	0	3	0	
WAUSAU	75	52	83	50	64	3	.1	-1.0	.1	.1	4	14.7	62	92	46	0	0	0	1	0	
WY CASPER	85	49	92	37	67	6	.0	-.2	.0	.1	21	6.7	71	92	13	1	0	0	0	0	
CHEYENNE	83	51	88	45	67	7	T	-.3	T	.1	10	10.7	90	91	16	0	0	0	0	0	
LANDER	84	53	88	42	68	7	.0	-.2	.0	.2	48	5.4	56	41	11	0	0	0	0	0	
SHERIDAN	86	46	95	38	66	6	T	-.3	T	T	2	9.9	91	60	14	3	0	0	0	0	

Based on 1961-90 normals.

August Weather in Historical Perspective

The Nation's average temperature of 72.7°F was 0.4°F above normal, making August 1994 the 35th warmest such month on record (fig. 1). Temperatures were above normal in the western half of the country, including August-record heat in the Southwest (table 1). In the Southeast, however, it was the ninth coldest August during the 100-year period of record.

With seven of nine climatic divisions reporting below-normal to normal precipitation, August 1994 was the 26th driest such

month since 1895. The Nation's areally averaged precipitation of 2.35 inches was 0.31 inches below normal (fig. 2). Regional rankings ranged from an 8th driest August in the Northwest to a 17th wettest August in the Northeast.

State rankings of temperature and precipitation appear in Figure 3. Precipitation ranks should be used with caution due to the high variability of precipitation on a small space and time scale.

--Brad Rippey

Figure 1

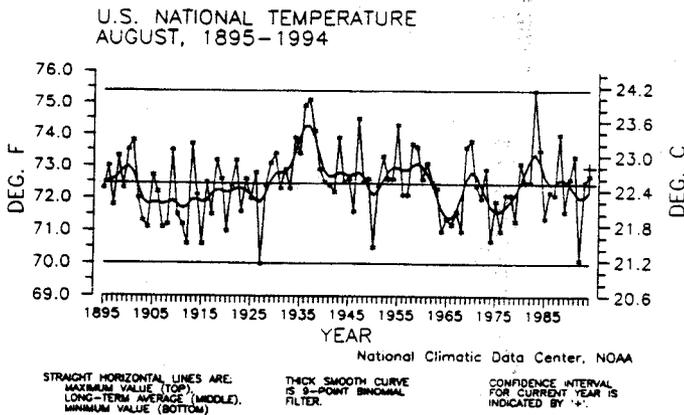


Table 1

Temperature and precipitation rankings for August 1994, based on the period 1895-1994. 1 = Driest/Coldest, 100 = Wettest/Hottest.

Region	Precipitation	Temperature
Northeast	84	24
East North Central	43	15
Central	70	15
Southeast	47	9
West North Central	7	73
South	46	35
Southwest	18	100
Northwest	8	89
West	17	90
National	26	66

Figure 2

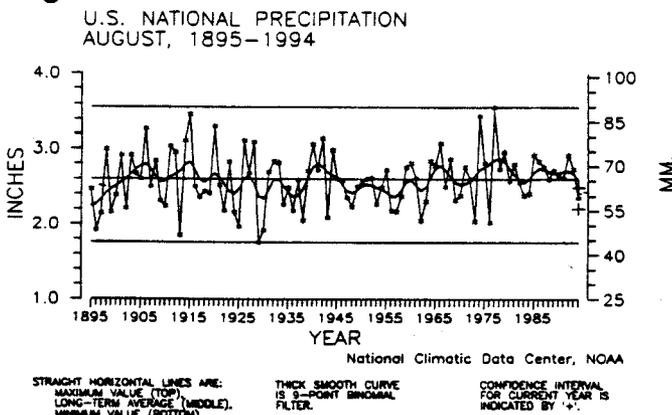
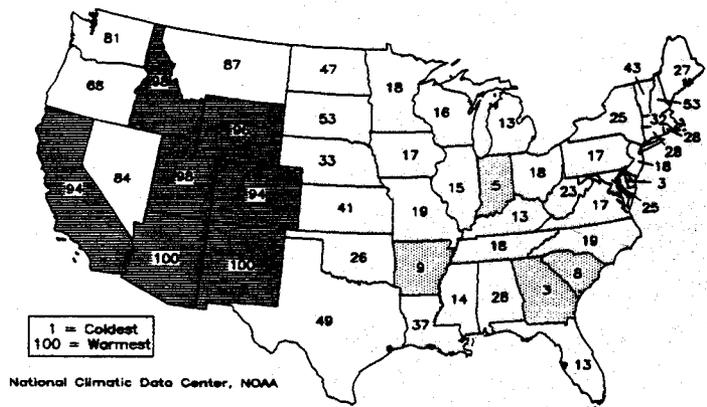


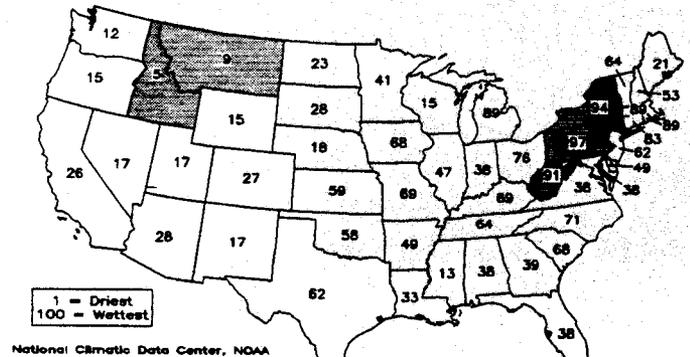
Figure 3

AUGUST 1994 STATEWIDE TEMPERATURE RANKS



Temperature Ranks for the contiguous United States. Each state is ranked based on its data from 1895-1994. States having a rank of top ten coldest (rank 1-10) or top ten warmest (rank 91-100) are shaded.

AUGUST 1994 STATEWIDE PRECIPITATION RANKS



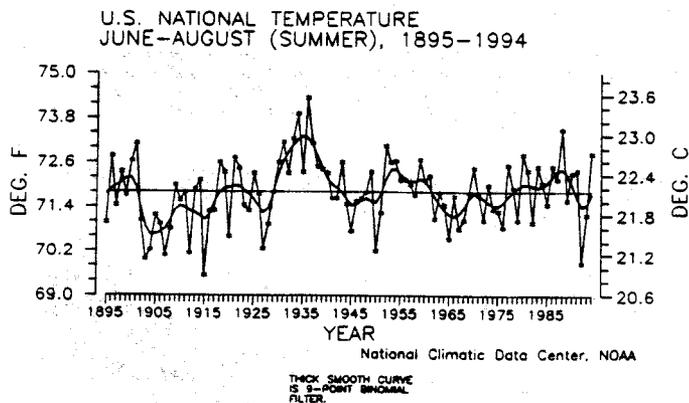
Precipitation Ranks for the contiguous United States. Each state is ranked based on its data from 1895-1994. States having a rank of top ten driest (rank 1-10) or top ten wettest (rank 91-100) are shaded.

Summer Weather in Historical Perspective

Note: Opting for simplicity, we have introduced an areally-averaged national precipitation ranking (see table 1 of both historical perspectives) beginning with this issue. Formerly, the national ranking was obtained by standardizing the precipitation data for each climate division using the gamma distribution (so that wet and dry areas would not dominate the index), weighting the resulting values by area, and normalizing the weighted values over the period of record.

The Nation's average temperature of 72.8°F was 1.0°F above normal, making the summer of 1994 the ninth warmest June-August period on record, and the warmest since 1988 (fig 1). Heat in the Western and the Northeastern States fueled the top-ten ranking, with all-time record summer temperatures measured in the Southwest (table 1). The Southwest's average temperature of 74.4°F was 3.6°F above normal, and 1.7°F above this century's previous record, set in 1981 (fig. 2). Salt Lake City, UT (78.6°F), Las Vegas, NV (92.2°F), and El Paso, TX (87.8°F) were among the stations that set summer average temperature records. In the Northeast, where it was the 12th warmest summer despite a cool August, individual station records were established at Philadelphia, PA (78.4°F) and Bridgeport, CT (74.1°F).

Figure 1



Precipitation was below-normal to near-normal in eight of nine climatic divisions, resulting in the 22nd driest summer on record. An average of 7.5 inches of rain fell on the contiguous States, which was about 91 percent of normal (fig. 3). The Southwest, in addition to record heat, also tallied its driest summer (fig. 4). Serious summer dryness also afflicted the West (seventh driest summer) and the Northwest (5th driest). Only the Southeast region (26th wettest) ranked in the "wet" third of the historical distribution. For Georgia, the primary recipient of Tropical Storm Alberto's remnant rainfall in early July, it was the 9th wettest summer. Complete State rankings appear in figure 5.

As a result of the West's dryness, the Nation's areal coverage of severe to extreme drought increased to 26.9 percent by the end of August (fig. 6). The core area of drought includes the Colorado River Basin (upper and lower), the Great Basin, the Rio Grande Basin, and the Pacific Northwest Basin (table 2 and fig. 7). The wettest basins during the summer were the Tennessee River and the Great Lakes. In the Tennessee Valley, wetness has been observed for the entire year. In Chattanooga, TN, the January-August precipitation of 58.10 inches set a record, while the summer rainfall of 24.24 inches was the second highest on record. In the Great Lakes Basin, Grand Rapids, MI, with 22.63 inches of rain, had its wettest summer on record.

Figure 2

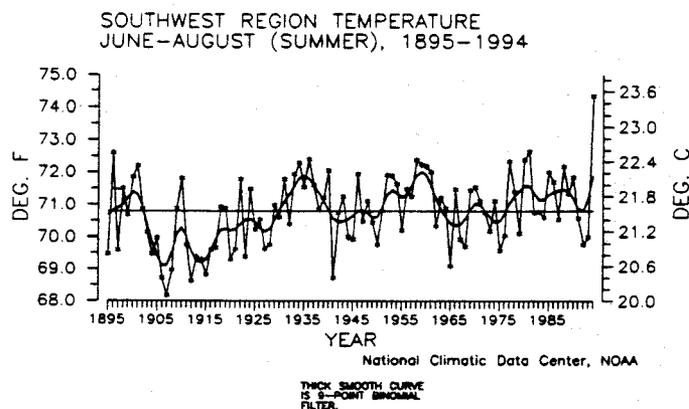


Table 1

Temperature and precipitation rankings for Summer 1994, based on the period 1895 to 1994. 1 = Driest/Coldest, 100 = Wettest/Hottest.

Region	Precipitation	Temperature
Northeast	50	89
East North Central	62	31
Central	35	52
Southeast	75	45
West North Central	17	73
South	36	64
Southwest	1	100
Northwest	5	90
West	7	95
National	22	92

Figure 3

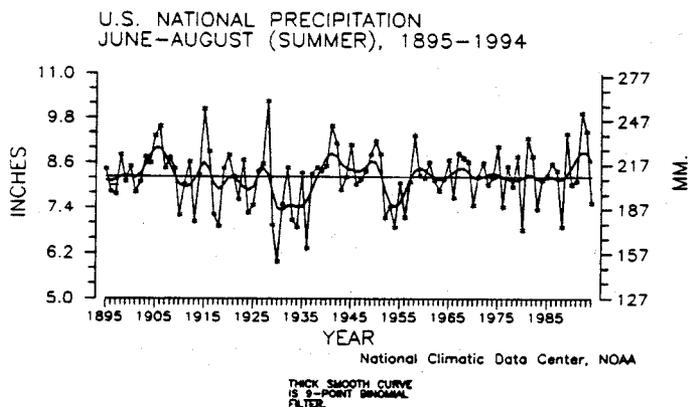


Figure 4

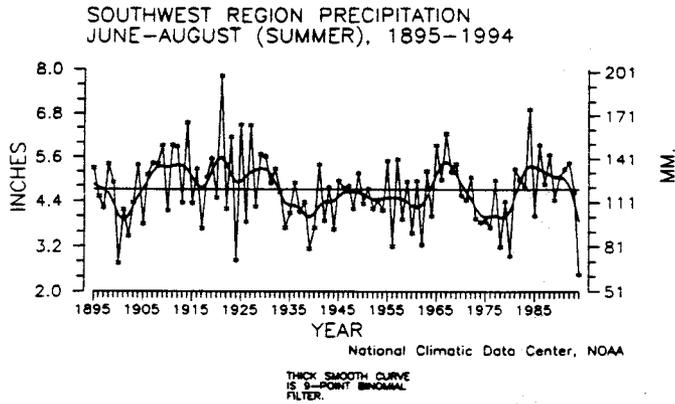


Table 2

STATISTICS FOR SELECTED RIVER BASINS: PRECIPITATION RANKING FOR JUN-AUG 1994, WHERE RANK OF 1 = DRIEST, 100 = WETTEST, BASED ON THE PERIOD 1895 TO 1994, AREAL PERCENT OF THE BASIN EXPERIENCING SEVERE OR EXTREME LONG-TERM (PALMER) DROUGHT, AND AREAL PERCENT OF THE BASIN EXPERIENCING SEVERE OR EXTREME LONG-TERM (PALMER) WET CONDITIONS, AS OF AUG 1994. RIVER BASIN REGIONS AS DEFINED BY THE U.S. WATER RESOURCES COUNCIL.

RIVER BASIN	PRECIPITATION RANK	% AREA DRY	% AREA WET
MISSOURI BASIN	16	29.8%	17.3%
PACIFIC NORTHWEST BASIN	5	83.9%	.0%
CALIFORNIA RIVER BASIN	25	28.8%	.0%
GREAT BASIN	1	85.5%	.0%
UPPER COLORADO BASIN	1	75.0%	.0%
LOWER COLORADO BASIN	6	35.1%	.0%
RIO GRANDE BASIN	3	46.4%	.0%
ARKANSAS-WHITE-RED BASIN	32	6.7%	5.9%
TEXAS GULF COAST BASIN	28	.0%	.0%
SOURIS-RED-RAINY BASIN	81	.0%	48.8%
UPPER MISSISSIPPI BASIN	31	4.8%	17.2%
LOWER MISSISSIPPI BASIN	70	.0%	5.7%
GREAT LAKES BASIN	84	.0%	26.5%
OHIO RIVER BASIN	41	1.8%	20.5%
TENNESSEE RIVER BASIN	94	.0%	81.4%
NEW ENGLAND BASIN	17	.0%	.0%
MID-ATLANTIC BASIN	61	2.0%	18.8%
SOUTH ATLANTIC-GULF BASIN	80	6.6%	5.3%

Figure 5
JUN-AUG 1994 STATEWIDE TEMPERATURE RANKS

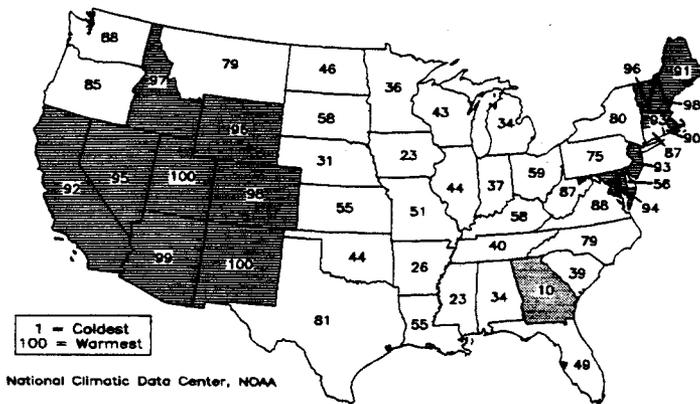
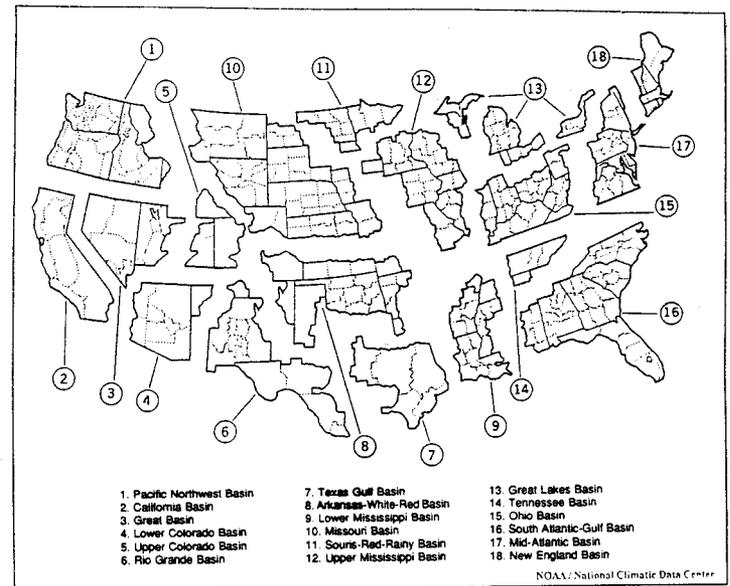


Figure 7



JUN-AUG 1994 STATEWIDE PRECIPITATION RANKS

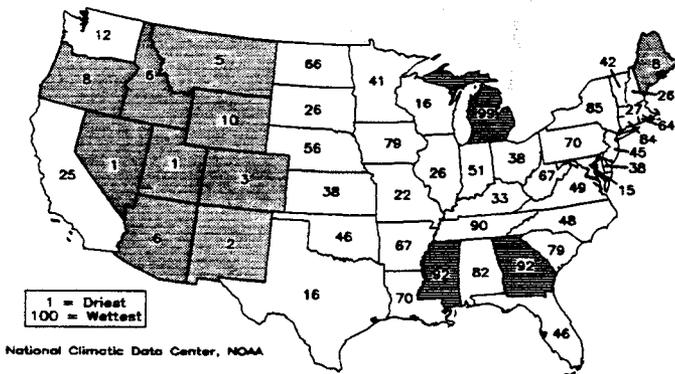
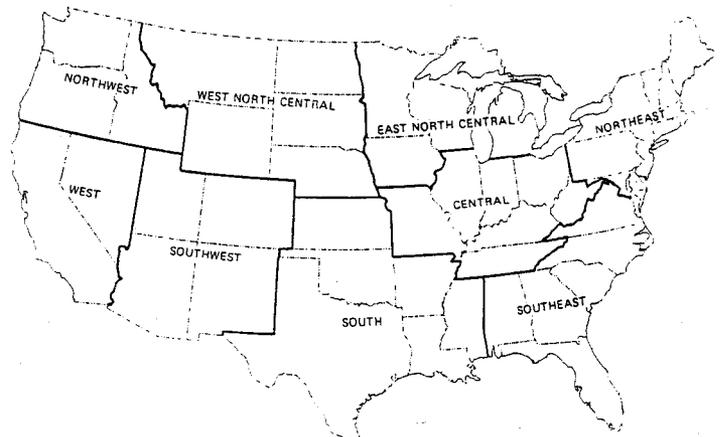
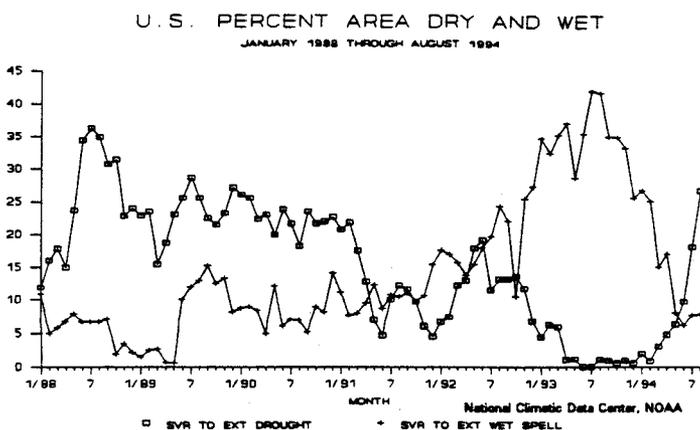


Figure 6



CUMULATIVE GROWING DEGREE DAYS (CORN*) March 1 - September 10, 1994

STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL
AL ANNISTON	4126	+ 208	RUSSELL	3556	+ 301	YOUNGSTOWN	2412	+ 56
BIRMINGHAM	4121	+ 122	SALINA	3618	+ 237	ZANESVILLE	2728	+ 3
MOBILE	4605	+ 30	TOPEKA/BILLARD	3443	+ 134	OK ALTUS	4246	+ 153
MONTGOMERY	4480	+ 372	WICHITA	3700	+ 152	GAGE	3757	+ 165
MUSCLE SHOALS	4009	+ 170	KY LEXINGTON	3204	- 1	HOBART	4046	+ 147
OSARK	4449	+ 165	BOWLING GREEN	3486	+ 19	MCALESTER	4080	+ 91
TUSCALOOSA	4257	+ 111	PAUDCAH	3595	+ 13	PONCA CITY	4031	+ 279
AZ DOUGLAS	4045	+ 351	LA LAFAYETTE	4778	+ 165	TULSA	3969	+ 34
FLAGSTAFF	-----	---	LAKE CHARLES	4885	+ 230	OR BAKER	2267	+ 340
PHOENIX	5326	+ 570	MONROE	4589	+ 291	ROGERS	2295	+ 284
TUCSON	4808	+ 471	NEW ORLEANS	4764	+ 116	NORTH BEND	1500	+ 310
YUMA	5615	+ 658	SHREVEPORT	4498	+ 263	FENDLETON	2713	+ 264
PRESCOTT	3308	+ 627	ME AUGUSTA	2059	+ 86	REDMOND	2149	+ 209
AR EL DORADO	4248	+ 125	CARIBOU	1691	+ 176	PORTLAND	2560	+ 502
FAYETTEVILLE	3607	+ 155	HOULTON	1789	+ 128	SALEM	2397	+ 417
FORT SMITH	4163	+ 248	PORTLAND	2067	+ 213	SEXTON SUMMIT	1525	- 2
JONESBORO	3917	+ 14	MD BALTIMORE	3375	+ 248	PA ALLENTOWN	2960	+ 276
LITTLE ROCK	4157	+ 201	MA WORCESTER	2203	+ 90	PHILADELPHIA	3459	+ 619
LEAKANSANA	4341	+ 80	MI GRAND RAPIDS	2376	- 59	WILLIAMSPORT	2755	+ 176
CA BAKERSFIELD	4051	+ 84	JACKSON	2395	- 59	SC BEAUFORT	4666	+ 346
BLUJE CANYON	2099	+ 222	LANSING	2308	- 94	CHARLESTON	4543	+ 324
DAGGETT	4627	+ 403	HURKISON	2117	- 94	COLUMBIA	4316	+ 234
HUREKA	1395	+ 553	PELLSTON	1845	+ 68	FLORENCE	4337	+ 264
FAIRFIELD	3153	+ 285	SAULT STE. MARIE	1452	+ 70	SUMNER/SHAW AFB	4176	+ 100
FRESNO	3910	+ 409	TRAVERSE CITY	2120	+ 70	SD ABERDEEN	2527	+ 269
MARYSVILLE	3657	+ 304	MN DULUTH	1707	+ 149	HURON	2544	+ 45
MT SHASTA	2275	+ 251	INT'L FALLS	1829	+ 118	FERRIS	2789	+ 282
PASO ROBLES	3116	+ 263	MINNEAPOLIS	2484	- 118	RAPID CITY	2707	+ 369
RED BLUFF	3581	+ 46	ROCHESTER	2250	- 118	SIOUX FALLS	2765	+ 212
RIVERSIDE	3542	+ 187	ALEXANDRIA	2210	+ 83	WATERTOWN	2252	+ 38
SANTA ANA	3816	+ 604	MS BILOXI	4846	+ 179	TN BRISTOL	3281	+ 81
SAN DIEGO	3201	+ 153	COLUMBUS	4491	+ 487	CHATTAHOOGA	3876	+ 189
SACRAMENTO	3274	+ 191	JACKSON	4298	+ 186	CROSSVILLE	3299	+ 407
THERMAL	4774	- 18	MERIDIAN	4502	+ 332	MEMPHIS	4316	+ 248
CO ALAMOSA	2018	+ 83	GREENWOOD	4407	+ 87	WASHVILLE	3777	+ 59
DENVER	3097	+ 557	MO COLUMBIA	3247	+ 210	TX ABILENE	4391	+ 100
ENGLE	2207	+ 144	JOPLIN	3692	+ 96	AMARILLO	3503	+ 83
GRAND JUNCTION	3510	+ 414	SPRINGFIELD	3538	+ 181	AUSTIN	4859	+ 197
LA JUNTA	3411	+ 270	VICHY	3399	+ 64	BROWNSVILLE	5349	+ 88
DE DOVER	3144	- 79	MT HELENA	2307	+ 452	COLLEGE STATION	4781	+ 187
WILMINGTON	3260	+ 261	KALISPELL	1974	+ 138	DALHART	3473	+ 253
FL DAYTONA BEACH	4897	+ 186	WILEY CITY	2741	+ 331	DEL RIO	5074	+ 432
FORT MYERS	5402	+ 324	NE GRAND ISLAND	3050	+ 167	DALLAS/FT WORTH	4589	+ 251
GAINESVILLE	4647	- 10	NORFOLK	3031	+ 250	GALVESTON	5283	+ 353
JACKSONVILLE	4717	+ 123	NORTH PLATTE	2938	+ 311	HOUSTON/IMCMTL	4959	+ 410
FORT LAUDERDALE	5862	+ 638	VALENTINE	2765	+ 66	KINGSVILLE/MAS	5204	+ 133
MIAMI	5743	+ 341	SCOTTSBLUFF	2893	+ 368	LAREDO	5405	+ 214
MILTON	4641	+ 239	SIDNEY	2823	+ 489	LUBBOCK	4065	+ 330
PENSACOLA	4741	+ 92	NV ELKO	2393	+ 230	MCALEEN	5506	+ 380
ST PETERSBURG	5302	+ 103	ELY	2385	+ 362	MIDLAND	4277	+ 122
TALLAHASSEE	4617	+ 134	LAS VEGAS	5025	+ 712	PALACIOS	5069	+ 152
TAMPA	5227	+ 261	RENO	2894	+ 546	SAN ANTONIO	5010	+ 258
VERO BEACH	5178	+ 283	WINNEBUCCA	2743	+ 395	VICTORIA	5002	+ 248
W. PALM BEACH	5460	+ 289	NH CONCORD	2352	+ 194	WACO	4619	+ 34
GA ATHENS	4050	+ 216	NJ NEWARK	3456	+ 462	WICHITA FALLS	4221	+ 48
AUGUSTA	4187	+ 139	NM ALBUQUERQUE	3768	+ 664	WINK	4514	+ 292
BRUNSWICK	4722	+ 176	CARLEBAD	4435	+ 392	UT CEDAR CITY	3045	+ 493
COLUMBUS/METRO	4414	+ 201	CLOVIS	3674	+ 361	VT BARRIE-MONTPELIER	1965	+ 167
MACON	4311	+ 92	GALLUP	2723	+ 203	BURLINGTON	2295	+ 216
SAVANNAH	4684	+ 328	TRUTH OR CONSEQ.	4016	+ 398	VA CHARLOTTESVILLE	3485	+ 175
ID BOISE	2930	+ 451	NY ALBANY	2436	+ 82	HAMPTON/LANGLEY	3729	+ 216
BURLEY	2777	+ 611	ELMIRA	2366	+ 121	LYNCHBURG	3295	+ 98
IDAHO FALLS	2428	+ 452	GLENS FALLS	2263	+ 116	NORFOLK	3969	+ 443
POCAHONTO	2534	+ 403	POUGHKEEPSIE	2702	+ 210	RICHMOND	3686	+ 233
IL BELLEVILLE	3377	+ 55	ROCHESTER	2390	+ 68	WA BELLINGHAM	1773	+ 351
CHICAGO/MIDWAY	2751	- 39	SYRACUSE	2326	+ 26	HOQUIAM	1470	+ 208
DECATUR	2917	- 223	UTICA	2206	+ 57	SEATTLE-TACOMA	2123	+ 459
PEORIA	3004	+ 140	WATERTOWN	2106	- 59	SPOKANE	2291	+ 303
ROCKFORD	2650	+ 73	NC ASHEVILLE	3138	+ 139	TACOMA	-----	---
SPRINGFIELD	3139	+ 45	FAYETTEVILLE	4087	+ 286	WALLA WALLA	3155	+ 567
QUINCY	2996	- 50	GREENSBORO	3561	+ 87	WENATCHEE	2946	+ 333
IN INDIANAPOLIS	3008	+ 31	HICKORY	3615	+ 168	YAKIMA	2663	+ 305
SOUTH BEND	2628	+ 50	RALEIGH	3804	+ 216	WV HUNTINGTON	3231	+ 228
TERRE HAUTE	2986	- 38	WILMINGTON	4229	+ 226	MARTINSBURG	3041	+ 96
IA DES MOINES	2954	+ 15	NEW BERN	4075	+ 180	MORGANTOWN	2873	+ 20
MASON CITY	2504	- 77	ND BISMARCK	2316	+ 194	WI EAU CLAIRE	2383	+ 140
OTUMWA	2996	+ 55	DICKINSON	2150	+ 146	GREEN BAY	2287	+ 188
SIOUX CITY	2917	- 118	JAMESTOWN	2237	+ 158	LACROSSE	2578	+ 64
WATERLOO	2701	- 118	MINOT	2175	+ 210	MADISON	2534	+ 84
KS CHANOTE	3552	+ 69	GRAND FORKS	2234	+ 227	WAUSAU	2192	+ 116
DODGE CITY	3460	+ 150	OH AKRON-CANTON	2508	- 16	WY CASPER	2742	+ 614
GARDEN CITY	3420	+ 164	COLUMBUS	2920	+ 143	LANDER	2662	+ 570
GOODLAND	3046	+ 297	DAYTON	2904	+ 1	SHERIDAN	2491	+ 443
MEDICINE LODGE	3867	+ 266	FINDLAY	2508	- 118	WORLAND	2829	+ 589

Based on 1951-80 normals.

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

National Agricultural Summary

September 5 - 11, 1994

HIGHLIGHTS: Favorable rains and cooler weather in the Pacific Northwest slightly improved soil moisture supplies and crop conditions. Clear, dry weather in California promoted small grain field preparation. The rest of the West remained hot and dry for the week, which slowed winter wheat planting progress. Harvest activity across the southern Great Plains and the middle Mississippi Valley was slowed by thunderstorms, but producers were thankful to receive the precipitation that improved the crop condition. Scattered showers across the Midwest aided wheat germination in early-planted fields. In the Great Lakes region, some emerged wheat fields were up 2 inches already. Continued warmer weather is needed in the Midwest for corn to mature past the threat of frost. Lodging in some soybean fields that had excessive growth was reported in Wisconsin. Cool, autumn weather across the Eastern States brought low humidity that helped dry-out the crops for the harvest. Clear, dry weather in the northern Great Plains allowed the small grain harvest to make good progress.

SMALL GRAINS: Spring wheat harvested was 90 percent(%) complete, up 25 percentage points from last week and 10 points ahead of the 5-year average. The warm, dry weather in the upper Mississippi Valley and northern Great Plains advanced the spring wheat harvest. The wheat harvested in Montana advanced 10 points from last week, and was 33 points ahead of the average. North Dakota's wheat harvest advanced 17 points from last week, and was 3 points ahead of the average. Planting of winter wheat started the season 3 points ahead of the average at 13% planted. Soil crusting was reported in parts of the Columbia Basin that obstructed the emerging plants.

FIELD CROPS: Corn condition was mostly good, up from last week with 84% of the corn rated as good to excellent. Corn condition in Illinois improved from last week, with 79% of the corn rated as good to excellent this week compared to 72% last week. Corn was 90% dented, up 17 points from last week and 19 points ahead of the average. Iowa corn dented was up 14 points from last week, 30 points ahead of the average. Corn maturing was 33%, up 16 points from last week and 5 points ahead of the average. Minnesota increased corn mature by 5 points from last week, but was 5 points behind of the average. Corn harvested started the year 1 point behind the average.

Cotton condition was up slightly from a week ago for the 14 major producing States, with 55% of the cotton crop rated as good to excellent. The cotton condition for Oklahoma declined from last week, while Texas cotton condition had 2% rated as very poor. Bolls opening were 51% complete, up 15 points from last week and 3 points ahead of the average. California reported

bolls opening at 80%, up 30 points from last week and 9 points ahead of the average. Texas bolls opening were up 10 points from last week but 2 points behind the average.

Sorghum condition in the 12 States was up from last week, with 61% of the sorghum reported as good to excellent. The sorghum condition in Texas and New Mexico improved from the previous week. Sorghum turning color at 86% was up 9 points from last week and 18 points ahead of the average for the 12 major producing States. Sorghum maturing at 43% was up 10 points from last week and 6 points ahead of the average. The sorghum harvest was delayed in parts of the southern Great Plains by thunderstorms but still started the year 1 point ahead of the average.

Rice condition was mostly good, up slightly from a week ago. Rice harvested was 36% complete, up 10 points from last week and 5 points ahead of the average for the five major producing States. Arkansas reported rice harvested at 26% for the week, up 14 points from last week and 13 points ahead of the average. Draining of California rice fields was virtually complete.

Soybean condition was up from the previous week, with 74% of the soybean crop rated as good to excellent. Soybean condition was rated good to excellent in Missouri at 43%, compared to 37% last week. Soybeans dropping leaves was 23%, up 14 points from last week and 5 points ahead of the average. Iowa soybeans dropping leaves was up 24 points from last week and 19 points ahead of the average. Spraying for loopers was reported in the Delta on some fields.

Crop Condition

for the Week Ending September 11, 1994

SORGHUM

State	VP	P	F	G	EX
AR	0	0	18	65	17
CO	2	2	30	56	10
IL	0	4	28	66	2
KS	0	2	20	72	6
LA	0	1	46	53	0
MS	0	0	19	77	4
MO	0	5	46	45	4
NE	3	1	8	74	14
NM	0	30	56	14	0
OK	0	0	21	79	0
SD	0	0	27	67	6
TX	1	9	54	34	2
12 State	1	5	33	56	5
Prev Week	0	7	36	54	3
Prev Year	0	3	33	53	11

CORN

State	VP	P	F	G	EX
CO	1	6	20	60	13
GA	0	3	14	71	12
IL	0	1	20	64	15
IN	0	3	29	60	8
IA	0	0	4	62	34
KS	0	1	20	71	8
KY	0	0	14	66	20
MI	3	7	20	45	25
MN	1	1	9	67	22
MO	0	9	41	50	0
NE	0	1	8	68	23
NC	0	0	34	62	4
OH	1	5	22	54	18
PA	0	2	14	50	34
SD	0	0	7	66	27
TX	0	0	18	82	0
WI	0	0	2	60	38
17 State	0	2	14	63	21
Prev Week	0	2	18	61	19
Prev Year	3	12	32	46	7

COTTON

State	VP	P	F	G	EX
AL	0	2	24	74	0
AZ	0	0	10	80	10
AR	0	0	0	100	0
CA	0	0	0	75	25
GA	0	0	15	76	9
LA	0	0	23	67	10
MS	0	1	47	51	1
MO	0	0	62	38	0
NM	0	7	36	43	14
NC	0	0	5	86	9
OK	0	20	50	30	0
SC	0	0	27	70	3
TN	0	0	6	66	28
TX	2	13	62	20	3
14 State	1	6	38	49	6
Prev Week	0	10	36	49	5
Prev Year	0	9	37	52	2

RICE

State	VP	P	F	G	EX
AR	0	0	0	96	4
CA	0	0	0	80	20
LA	0	0	42	58	0
MS	0	0	0	84	16
TX	0	0	0	67	33
5 State	0	0	8	82	10
Prev Week	0	0	10	80	10
Prev Year	0	1	26	72	1

SOYBEANS

State	VP	P	F	G	EX
AL	0	0	24	68	8
AR	0	0	32	68	0
GA	0	0	7	80	13
IL	0	2	31	61	6
IN	0	4	30	62	4
IA	0	0	4	66	30
KS	0	3	34	57	6
KY	0	0	26	66	8
LA	0	6	27	67	0
MI	2	8	25	50	15
MN	1	2	17	70	10
MS	0	0	19	67	14
MO	0	10	47	41	2
NE	0	1	15	70	14
NC	0	0	15	74	11
OH	0	5	22	55	18
SC	0	0	27	67	6
SD	0	0	3	73	24
TN	0	4	20	69	7
19 State	0	3	23	62	12
Prev Week	0	3	25	62	10
Prev Year	2	11	40	41	6

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

Crop Progress

for the Week Ending Sept. 11, 1994

GRAIN SORGHUM COLORING

	Current	Last Wk	1993	Avg.
AR	98	94	93	87
CO	55	39	41	48
IL	89	63	65	67
KS	85	75	65	50
LA	100	98	96	95
MS	100	99	95	93
MO	89	82	70	73
NE	95	81	52	66
NM	45	41	24	42
OK	77	56	68	76
SD	77	62	32	57
TX	87	82	88	83
12 States	86	77	70	68

GRAIN SORGHUM MATURE

	Current	Last Wk	1993	Avg.
AR	84	67	78	70
CO	5	1	18	11
IL	26	5	11	20
KS	25	10	5	10
LA	88	78	83	85
MS	92	83	75	75
MO	37	29	29	34
NE	24	5	1	15
NM	15	6	7	6
OK	20	8	18	11
SD	21	15	9	19
TX	73	69	73	74
12 States	43	33	33	37

GRAIN SORGHUM HARVESTED

	Current	Last Wk	1993	Avg.
AR	56	NA	28	29
CO	0	NA	0	0
IL	0	NA	0	1
KS	4	NA	1	2
LA	39	NA	53	66
MS	58	NA	32	42
MO	6	NA	0	6
NE	0	NA	0	1
NM	0	NA	0	0
OK	4	NA	6	2
SD	0	NA	0	2
TX	65	NA	68	64
12 States	26	NA	25	25

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

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RICE HARVESTED

	Current	Last Wk	1993	Avg.
AR	26	12	12	13
CA	1	0	0	1
LA	60	53	69	75
MS	35	23	10	20
TX	83	73	60	79
5 States	36	26	26	31

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

COTTON BOLLS OPENING

	Current	Last Wk	1993	Avg.
AL	28	18	48	40
AZ	92	86	95	90
AR	38	22	41	33
CA	80	50	75	71
GA	40	22	68	47
LA	79	65	74	71
MS	78	63	59	61
MO	32	20	44	36
NM	68	56	40	46
NC	37	30	63	48
OK	41	18	13	11
SC	34	17	68	54
TN	56	26	69	43
TX	39	29	43	41
14 States	51	36	53	48

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

SOYBEANS DROPPING LEAVES

	Current	Last Wk	1993	Avg.
AL	9	5	17	13
AR	8	7	0	4
GA	14	8	25	14
IL	27	7	8	22
IN	15	4	10	21
IA	31	7	1	12
KS	35	20	15	25
KY	16	10	13	15
LA	18	9	17	16
MI	25	10	15	15
MN	15	7	4	25
MS	27	17	5	12
MO	13	6	4	10
NE	42	11	5	17
NC	9	0	8	7
OH	24	11	30	26
SC	0	0	1	0
SD	44	32	15	39
TN	10	7	12	11
19 States	23	9	8	18

These 19 States produced 95% of the 1993 soybean crop.

SPRING WHEAT HARVESTED

	Current	Last Wk	1993	Avg.
ID	98	92	40	79
MN	97	66	65	80
MT	96	86	12	63
ND	84	67	52	81
SD	100	100	92	97
5 States	90	75	52	80

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

CORN DENTING

	Current	Last Wk	1993	Avg.
CO	88	69	53	58
GA	100	100	100	100
IL	96	74	69	78
IN	88	60	80	79
IA	98	84	30	68
KS	98	96	75	80
KY	95	86	91	93
MI	50	25	40	40
MN	90	66	23	61
MO	98	95	78	88
NE	98	91	62	79
NC	96	88	93	94
OH	83	61	81	68
PA	68	38	54	41
SD	84	64	37	65
TX	96	94	95	96
WI	61	39	32	45
17 States	90	73	56	71

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

CORN MATURE

	Current	Last Wk	1993	Avg.
CO	12	10	3	20
GA	99	99	100	99
IL	32	12	14	32
IN	17	4	14	26
IA	43	23	3	26
KS	65	45	45	55
KY	65	35	63	54
MI	10	0	3	5
MN	10	5	4	15
MO	75	37	23	44
NE	33	14	5	22
NC	89	81	86	87
OH	12	5	16	12
PA	9	4	6	7
SD	33	11	5	25
TX	75	65	72	75
WI	13	6	7	13
17 States	33	17	14	28

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

CORN HARVESTED

	Current	Last Wk	1993	Avg.
CO	0	NA	0	0
GA	72	NA	79	73
IL	1	NA	0	3
IN	1	NA	0	5
IA	3	NA	0	2
KS	10	NA	10	10
KY	5	NA	9	8
MI	0	NA	0	2
MN	0	NA	0	0
MO	11	NA	5	10
NE	3	NA	0	2
NC	26	NA	33	24
OH	0	NA	0	0
PA	0	NA	0	1
SD	0	NA	0	0
TX	63	NA	63	63
WI	0	NA	0	0
17 States	5	NA	4	6

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

WINTER WHEAT PLANTED

	Current	Last Wk	1993	Avg.
AR	2	NA	0	0
CA	0	NA	0	0
CO	25	NA	20	20
GA	0	NA	0	1
ID	9	NA	4	8
IL	0	NA	0	0
IN	2	NA	2	2
KS	10	NA	5	5
MI	10	NA	5	4
MO	2	NA	2	1
MT	3	NA	0	5
NE	20	NA	20	17
NC	0	NA	0	0
OH	0	NA	0	0
OK	16	NA	11	10
OR	1	NA	4	3
SD	20	NA	22	28
TX	20	NA	19	17
WA	37	NA	30	30
19 States	13	NA	10	10

These 19 States produced 92% of the 1993 winter wheat 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 0.02 to 0.42 in. north; 0.08 to 4.06 in. central; 0.10 to 1.87 in. south. Temperatures 3° below normal to 1° above normal statewide. Lows 56 to 66° north; 57 to 66° central; 55 to 66° south. Highs 85 to 90° north; 86 to 93° central; 88 to 94° south.

Days suitable for fieldwork 5.7. Soil moisture 35% short, 65% adequate. Corn mature 96%, 93% 1993, 95% avg.; harvested 43%, 45% 1993, 53% avg.; 16% fair, 61% good, 23% excellent. Sorghum harvested 20%, 15% 1993, 31% avg.; 8% poor, 26% fair, 49% good, 17% excellent. Peanuts dug 25%, 8% 1993, 25% avg.; combined 16%, 7% 1993, 25% avg.; 32% poor, 51% fair, 17% good. Pasture feed 38% fair, 57% good, 5% excellent. Livestock 8% fair, 90% good, 2% excellent. Seasonal activities: Harvesting vegetables, spraying fields for insects, weeds, ground preparation for fall planting.

ALASKA: Weather stations around the railbelt last week recorded light to severe freezes. Most areas received some rain or light drizzle.

Days suitable for haymaking 4, 3 days for grain harvest, 5 days for potato harvest. Barley harvest was virtually complete, compared to 80% complete in 1993. Second crop hay harvest was 20% complete, 10% behind 1993. Commercial potato harvest was 45% complete, 5% more than a year ago. Topsoil moisture supplies were 50% short, 50% adequate. Subsoil moisture supplies were 65% short, 35% adequate.

ARIZONA: Temperatures 4 to 7° above normal. Extremes 45°; 96° higher elevations; 57°; 113° deserts. Scattered precipitation reported across State; 0.01 to 0.61 in.

Cotton harvest picking up, Yuma County. Cotton condition remains mostly good; opening bolls 92%, 95% 1993, 90% avg. Weed infestations remain light to moderate; insect, disease infestations continue moderate. Field activities: Harvesting, defoliation, final irrigations, pesticide applications, pest monitoring. Alfalfa condition good. Harvest moderate. Weed, insect, disease infestations light to moderate. Crops harvested from central areas included cantaloupe, chili pepper, olives. Raisin grapes harvested central, western vineyards. Lemons harvested western groves. Available eastern areas were apples, chili peppers.

ARKANSAS: Temperatures were slightly below normal with scattered showers, thunderstorms, heaviest rainfall in south central region. Extremes 52°; 96°. Precipitation none to 2.02 in.

Days suitable for fieldwork 6. Soil moisture 29% short, 68% adequate, 3% surplus. Producers irrigating soybeans. Rice, grain sorghum, corn harvest in progress with good yields reported. Desha county reported some cotton being picked. Several counties reported cotton being defoliated. Producers planting fall forages. Apples in good condition with harvest ongoing. Corn 85% good, 15% excellent. Alfalfa 54% fair, 46% good. Other hay 5% poor, 34% fair, 54% good, 7% excellent. Pasture feed 11% poor, 30% fair, 52% good, 7% excellent. Livestock good condition.

CALIFORNIA: Weak upper-level trough brought slightly cooler temperatures. No precipitation reported Statewide.

Field activities good progress, open weather. Rice field draining virtually complete, harvest underway most growing areas. Cotton progressed; defoliation gained momentum San Joaquin Valley. Some fields treated worms; irrigation water shut off most fields. Harvest ongoing desert areas. Grain corn, silage corn, dry beans, seed alfalfa, sugarbeets, sunflowers harvested. Safflower harvest nearing completion. Sugarbeets

sprayed worms. Alfalfa treated weevils. Harvest alfalfa, sudan grass hay seasonally normal. Ground preparation fall-planted small grains active. Wine, juice grape harvests picked up speed Fresno County; Alicante, Muscats, Grenache, Carigane, Palomino, French Colombard, Chenin Blanc main varieties picked. Raisin harvest continued Fresno, Tulare counties. Table grape varieties continued to be harvested. Peach harvest continued San Joaquin Valley; Sacramento Valley complete. Plum harvest continued; Casselman, Angeleno major varieties picked. Prune harvest winding down Sacramento Valley. Nectarines continued packed, harvested. Harvest almonds, apples, figs, dates continued. Walnut harvest began San Joaquin Valley. Valencia orange, grapefruit, lemon harvests continued. Fall broccoli, cauliflower planted, treated insects central coast, Riverside County. Cabbage irrigated, treated worms Fresno County. Harvest carrots Kern County continued. Celery harvested Oxnard area. Sweet corn harvest Sacramento Valley continued. Fall head, leaf lettuce fields treated worms, weeds San Joaquin Valley; some planting still ongoing. Seed lettuce harvested Fresno County, good yields. Leaf, Romaine lettuce harvests continued. Melon harvest central valley, Riverside County slowed. Fall melons planted Riverside County, treated whitefly damage. Onions harvested central coast. Peppers harvested San Joaquin Valley. Spring Potato harvest nearing completion Riverside County. Sweet potatoes harvested Merced County. Spinach ground being prepared Tulare County. Processing, fresh market tomato harvests slowed central valley. Herbs, spices harvested Riverside County. Vine seed harvest Colusa, Sutter counties. Other crops harvested: squash, cucumbers, green beans, green onions, okra, eggplant. Pasture, range conditions poor. Feed, water supplies below normal. Ranchers reducing numbers, shipping livestock feedlots, market. Supplemental feeding necessary most ranches. Calving occurring some areas. Sheep grazing safflower, wheat, tomato stubble fields. Cattle, sheep good condition.

COLORADO: Cold front moved across the State on the 5th dropping temperatures back to near normal. Temperatures rebounded to much above normal in the east for the rest of the week. Scattered rainfall except for isolated heavy thunderstorms in the northeast, southeast corners. West received much needed rain on the 11th.

Days suitable for fieldwork 6.2. Soil moisture 26% very short, 40% short, 31% adequate, 3% surplus. Alfalfa third cutting 51% complete, 40% 1993, 38% avg.; 4% very poor, 7% poor, 33% fair, 49% good, 7% excellent. Spring barley 93% harvested, 89% 1993, 86% avg. Dry beans 79% cut, 50% 1993, 35% avg.; 53% harvested, 31% 1993, 20% avg. Oats 88% harvested, 87% 1993, 82% avg. Dry onions 69% harvested, 47% 1993, 55% avg. Sugarbeets 2% poor, 14% fair, 67% good, 17% excellent. Spring wheat 88% harvested, 34% 1993, 57% avg. Summer potatoes 68% harvested, 62% 1993, 63% avg. Fall potatoes 20% harvested, 15% 1993, 6% avg.; 10% poor, 15% fair, 57% good, 18% excellent. Corn silage 28% harvested, 14% 1993, 17% avg. Moist weather slowed corn, sorghum grain maturity in the southeast. Winter wheat 25% seeded, 20% 1993, 20% avg. Vegetable, fruit harvests are underway. Livestock fair to good. Pasture, range feed conditions are very poor over most of the State, except the southeast plains where conditions are rated poor to fair.

FLORIDA: Temperatures 1 to 3° below normal. Highs; middle 90s. Lows; low 60s. Rain 2 to 5 days. Rainfall 1.00 to 7.00 in. locally.

Soil moisture short to adequate in Panhandle. Peninsula adequate moisture. Tobacco harvesting complete. Tobacco marketing active. Corn, peanut harvest active. Growers making

preparations for cotton harvest. Sugarcane good progress. Haying active weather permitting. Citrus groves good to excellent condition, moisture adequate, lots of new growth. New fruit doing well. White, colored grapefruit, navel, Robinson tangerines have all been packed, shipped. Caretakers cutting cover crops, spraying, fertilizing. Dead tree removal continues. Wet weather over most southern vegetable areas slowed fieldwork, hindered crop development; drier conditions, north. Southern vegetables in variable condition, fair to good; northern acreage, mostly good. Pasture feed 5% poor, 15% fair, 70% good, 10% excellent. Cattle herds fair to excellent condition.

GEORGIA: Temperatures 1 to 3° below normal. Warmest temperatures low 80s northeast mountains to mostly upper 80s elsewhere, a few low 90s extreme south. Coolest temperatures upper 40s to mid 50s northeast mountains to mostly upper 50s to low 60s elsewhere. Rain less than 0.25 in. to 2.00 in. or more. Most showers and thunderstorms 8th through 11th. Heaviest rainfall 3.65 in. near Savannah.

Days suitable for fieldwork 5.5. Soil moisture 2% very short, 22% short, 70% adequate, 6% surplus. Corn harvest slowing because of peanuts. Cotton 0% harvested, 2% 1993, 3% avg.; opening rapidly, defoliation, harvest just underway earliest fields. Sorghum 9% fair, 91% good; 47% harvested for grain, 40% 1993, 32% avg. Peanuts 6% fair, 87% good, 7% excellent; 30% dug, 13% 1993, 19% avg.; 19% threshed, 5% 1993, 9% avg.; harvest in full swing, grades good. Soybeans 96% setting pods, 90% 1993, 93% avg.; 14% dropping leaves, 25% 1993, 14% avg. Wheat 0% planted, 0% 1993, 1% avg. Rye 1% planted, 1% 1993, 1% avg. Other small grains 1% planted, 1% 1993, 1% avg. Vegetables 30% fair, 70% good. Apples 12% very poor, 9% fair, 79% good; 29% harvested, 46% 1993, 46% avg. Pecans 10% poor, 36% fair, 54% good. Hay 9% fair, 80% good, 11% excellent. Pasture feed 7% fair, 78% good, 15% excellent. Cattle 3% fair, 90% good, 7% excellent. Hogs 6% fair, 88% good, 6% excellent.

HAWAII: Mostly sunny, normal trade wind weather. Daily scattered showers in windward sections. Temperatures mid 70s to low 90s. Rainfall none to 3.20 in.

Most crops made fair to good progress during the week. Spraying active to control moderate to heavy presence of insects and diseases. Papaya harvesting steady. Sugar, pineapple harvesting active.

IDAHO: Temperatures 5° above to 3° below normal. Precipitation 0.18 to 0.99 in. north, none southwest, none south-central, none to 0.01 in. east. Extremes 29°; 98°.

Days suitable for fieldwork 7. Potato progress: turning 18%, vines killed 68%, harvested 14%, 7% 1993, 10% avg. Potato 1% poor, 7% fair, 75% good, 17% excellent. Soil moisture 53% very short, 30% short, 17% adequate. Range, pasture feed 53%. Barley harvested 98%, 55% 1993, 83% avg. Alfalfa hay harvested (3rd cutting) 63%, 24% 1993, 38% avg. Apples harvested 17%, 6% 1993, 9% avg. Corn for silage acreage harvested 12%, 17% 1993, 16% avg. Peaches harvested 93%, 74% 1993, 89% avg. Plums, prunes harvested 71%, 45% 1993, 80% avg. Onions harvested 52%, 30% 1993, 37% avg. Hops harvested 64%, 70% 1993, 55% avg. Dry beans harvested 55%, 11% 1993, 28% avg. Irrigation water supplies 33% very poor, 18% poor, 28% fair, 20% good, 1% excellent. Activities: Harvesting potatoes, killing, rolling potato vines, managing grain stubble, moving livestock.

ILLINOIS: Seasonably cool air early in the week gave way to mild temperatures by late week. Temperatures mid 60s to low 70s were some 2 to 4° above normal north, some 0 to 2° below normal south. Highs 80° to the low 80s with average lows in the mid 50s to around 60°. Late week an area of thunderstorms rumbled through the far north leaving scattered 0.10 in. totals with an isolated 1.12 in. amount at Rockford. In the south

rainfall 0.25 to 0.50 in. Meanwhile little to no precipitation fell elsewhere.

Days suitable for fieldwork 5.25. Soil moisture 43% short, 57% adequate. Soybeans turning yellow 71%, 31% 1993, 50% avg. Soybeans harvested 1%, less than 1% 1993, 1% avg. Alfalfa hay third cutting 88%, 70% 1993, 79% avg. Pasture feed 80% of normal. Soil moisture supplies continued short in the east, south. Crop conditions improved with mild temperatures. Condition of the crop varies from north to south. In the north crops are rated good to excellent while far southern Illinois crops are rated good to fair. Some high moisture corn and early varieties of soybeans were being harvested. Farm activities included chopping corn silage, harvesting seed corn, preparing storage facilities for harvest, cutting hay, harvesting vegetable, melon crops, mowing weeds.

INDIANA: Drier than normal weather occurred across much of Indiana last week. A frontal system produced widely scattered showers as summer like weather returned. High temperatures upper 70s to lower 80s. This was up to 4° above normal. Lows 50s to around 60°, around normal to 5° above normal. Coolest readings were in the mid 40s to lower 50s. Rainfall 0.75 to 1.50 in. Drier than normal by around 0.30 to 0.75 in. Some areas received no rain.

Days suitable for fieldwork 5.9. Harvesting seed corn, cutting corn silage, harvesting tobacco, baling hay were major activities. Other activities; machinery maintenance, preparing for fall harvest. Pastures feed 73% of normal, 73% last week. Topsoil 42% short, 57% adequate, 1% surplus. Subsoil moisture 44% short, 56% adequate. Soybeans turning color 63% 48% 1993 51% avg. Corn Silage chopped 28%, 30% 1993, 28% avg. Tobacco harvested 58%, 58% 1993, 54% avg. Alfalfa 3rd cutting 87%, 76% 1993, 64% avg.

IOWA: Temperatures 2° above normal southeast to 6° above normal northwest. Extremes 42° (northeast, 7th); 89° (northwest, 9th). Driest week in over three months; rainfall none many areas to 0.44" northeast; state average 0.03" (normal 0.96").

Days suitable for fieldwork 4.6. Topsoil 16% short, 84% adequate. Subsoil 16% short, 84% adequate. Percent of soybean acreage with leaves turning color 85%, 8% 1993, 37% avg. Alfalfa hay 3rd crop harvested 86%, 30% 1993, 71% avg. Pasture feed 1% very poor, 4% poor, 27% fair, 57% good, 11% excellent. Hay 1% very poor, 5% poor, 22% fair, 59% good, 13% excellent.

KANSAS: Temperatures 1 to 6° above normal northern 2/3rds of State. Southern 1/3 normal to 1° below normal. Precipitation 0.11 in. southeast to 1.09 in. southwest.

Days suitable for fieldwork 5.0. Surface soil moisture 48% short to very short, 50% adequate, 2% surplus. Subsurface moisture 48% short to very short, 52% adequate. 1994 corn, sorghum harvests are underway across the State. Corn harvest progressed well west central, southwest, southeast. Sorghum harvest in the southcentral and southeast is well underway, while producers in the rest of the State are just getting started. Soybeans podded 99%, 99% 1993, 98% avg. Only a few fields in the southeast have yet to pod. A few fields of soybeans have been harvested in southcentral counties. Winter wheat planting progressed well in the west central, southwest regions. Winter wheat planted 10%, 5% 1993, 5% avg. Winter wheat emerged 2%, 1% 1993, 1% avg. Alfalfa 4th-cutting 55%. Pastures remain mostly fair to good condition.

KENTUCKY: Temperature 69°. High 80°, low 58°, departure -2° from mean high, -3° from mean low. Precipitation 0.30 in. Western received most rain. Paducah had 0.90 in.

Days suitable for fieldwork 4.7. Soil moisture 6% very short, 33% short, 61% adequate. Burley tobacco 72% cut, 58% 1993, 65% avg. Dark tobacco 81% cut, 69% 1993, 68% avg. Corn, soybean condition improved to mostly good. Rainfall labor day weekend improved pastures slightly. Hay 2% very poor, 11% poor, 31% fair, 47% good, 9% excellent.

LOUISIANA: Weather data not available.

Days suitable for fieldwork 5.6. Soil moisture supplies: 17% short, 81% adequate, 2% surplus. Corn 90% harvested, 83% 1993, 90% avg. Harvesting continued in earnest. Cotton 2% harvested, 1% 1993, 4% avg. Defoliation was active, some fields were harvested. Hay 67% final cutting, 69% 1993, 69% avg. Harvest was active. Rice 100% headed, 97% 1993, 98% avg.; 73% ripe, 85% 1993, 86% avg. Second crop management was active in the southern parishes and harvest was in full swing in the north. Soybeans 99% setting pods, 93% 1993, 95% avg.; 41% turning color, 37% 1993, 36% avg.; 4% harvested, 2% 1993, 2% avg. Spraying for loopers was active statewide on late soybeans, group four soybeans were being harvested. Sugarcane 26% fair, 74% good; 62% planted, 59% 1993, 42% avg. Planting made good progress. Sweet potatoes 28% fair, 72% good; 41% harvested, 32% 1993, 34% avg. Harvest continued active. Livestock 12% poor, 52% fair, 36% good. Pasture feed 1% poor, 6% fair, 86% good, 7% excellent. Winter pasture management took place in a few parishes. Vegetables 39% fair, 50% good, 11% excellent.

MARYLAND & DELAWARE: Weather and crop data not available.**MICHIGAN:** Extremes 32°; 83°. Precipitation none to 0.99 in. across the State.

Days suitable for fieldwork 6.0. Soil moisture 15% short, 70% adequate, 15% surplus. Dry beans 100% setting pods, 100% 1993, 99% avg.; 50% shedding, 70% 1993, 50% avg.; 70% turning, 95% 1993, 80% avg.; 10% very poor, 20% poor, 30% fair, 30% good, 10% excellent. Oats 100% harvested, 95% 1993, 96% avg. Potatoes 60% harvested, 55% 1993, 45% avg. Hay 100% second cutting, 100% 1993, 97% avg.; 50% third cutting, 40% 1993, 45% avg.; 5% very poor, 5% poor, 20% fair, 45% good, 25% excellent. Pasture feed 85% of normal. Major activities: Fruit harvest, cutting hay, planting wheat, corn silage, dry bean harvest.

MINNESOTA: Temperatures 2.3 to 9.3° above normal across the State. Extremes 42°; 91°. Precipitation averaged below normal across the State. Greatest weekly total was 1.72 in.

Days suitable for fieldwork 4.8. Topsoil 2% short, 88% adequate, 10% surplus. Corn 90% dent, 23% 1993, 61% avg.; mature 10%, 4% 1993, 15% avg. Soybeans 76% yellowing, 14% 1993, 51% avg.; shedding leaves 15%, 4% 1993, 25% avg. Spring wheat 97% combined, 65% 1993, 80% avg. Barley 99% combined, 88% 1993, 89% avg. Potatoes 28% harvested, 20% 1993, 18% avg. Dry edible beans 31% harvested, 8% 1993, 33% avg. Sweet corn for processing 86% harvested, 55% 1993, 71% avg. Grain/Hay stubble 53% worked, 23% 1993, 46% avg. Rye 53% seeded (Fall), 38% 1993, 51% avg. Winter wheat 58% Seeded (Fall), 34% 1993, 55% avg. Corn 1% very poor, 1% poor, 9% fair, 67% good, 22% excellent. Soybeans 1% very poor, 2% poor, 17% fair, 70% good, 10% excellent. All sunflowers 2% poor, 30% fair, 57% good, 11% excellent. Sugarbeets 3% poor, 17% fair, 61% good, 19% excellent. Dry edible beans 4% very poor, 4% poor, 26% fair, 55% good, 11% excellent.

MISSISSIPPI: Weather data not available.

Days suitable for fieldwork 5.8. Soil moisture 43% short, 53% adequate, 4% surplus. Corn 95% mature, 87% 1993, 87% avg.; 48% harvested, 33% 1993, 41% avg.; 90% silage harvested, 75% 1993, 86% avg.; 7% fair, 50% good, 43% excellent. Cotton 78% open bolls, 59% 1993, 61% avg.; 1% harvested, 0% 1993, 3% avg.; 1% poor, 47% fair, 51% good, 1% excellent. Rice 84% mature, 48% 1993, 64% avg.; 35% harvested, 10% 1993, 20% avg.; 84% good, 16% excellent. Sorghum 92% mature, 75% 1993, 75% avg.; 58% harvested, 32% 1993, 42% avg.; 67% silage harvested, 70% 1993, 79% avg.; 19% fair, 77% good, 4% excellent. Soybeans 50% turning color, 21% 1993, 33% avg.; 27% shedding leaves, 5% 1993, 12% avg.; 19% fair, 67% good,

14% excellent. Hay 94% harvested, 89% 1993, 87% avg. Peanuts 4% harvested, 48% 1993, 51% avg. Sweet potatoes 52% harvested, 29% 1993, 40% avg. Pecans 4% very poor, 14% poor, 59% fair, 23% good. Livestock 15% fair, 76% good, 9% excellent. Pasture feed 80% of normal. Activities: Corn, rice harvest, preparations for cotton harvest with defoliation planting rye grass, planting for winter grazing. Wheat planting is underway. Overall sweet potato condition is good.

MISSOURI: Temperatures near normal across most of State, 4° below normal in Caruthersville to 2° above normal at Kansas City. Rainfall 0.45 in., varying none in northeast to 1.11 in central.

Days suitable for fieldwork 5.4. Topsoil 34% short, 62% adequate, 3% surplus. Corn mature by district ranges 60% northeast to 100% southeast. Soybeans over 1 week ahead of normal. Sorghum coloring ranges from 74% in west central to 100% south central, southeast. Sorghum mature ranges from 14% northeast, west central to 65% southeast. Pasture feed 3% very poor, 10% poor, 70% fair, 14% good, 3% excellent. Improved moisture promoted pasture growth in many areas.

MONTANA: Temperatures above normal, precipitation below normal for State for most of the week.

Days suitable for fieldwork 6.8. Topsoil 86% short, 14% adequate. Subsoil 82% short, 18% adequate. Barley 96% harvested, 19% 1993, 65% avg. Oats 96% harvested, 16% 1993, 64% avg. Dry beans 47% harvested, 3% 1993, 13% avg. Corn for silage 31% harvested, 10% 1993, 14% avg. Second cutting alfalfa 96%, 52% 1993, 77% avg. Pasture, range feed condition 78% of normal. Cattle, calves moved from summer ranges, 18%. Sheep, lambs moved from summer ranges, 15%.

NEBRASKA: Temperatures 3 to 9° above normals. Trace amounts of precipitation throughout week.

Days suitable for fieldwork 5.4. Topsoil 39% short, 60% adequate, 1% surplus. Subsoil 32% short, 68% adequate. Corn 1% poor, 8% fair, 68% good, 23% excellent; 33% mature, 5% 1993, 22% avg.; 3% harvested, 0% 1993, 2% avg. Soybean 1% poor, 15% fair, 70% good, 14% excellent; 88% turning color, 32% 1993, 49% avg.; 42% dropping leaves, 5% 1993, 17% avg.; 1% harvested. Sorghum condition 3% very poor, 1% poor, 8% fair, 74% good, 14% excellent; 24% mature, 1% 1993, 15% avg. Dry bean 57% fair, 43% good; 67% dropping leaves, 47% 1993; 33% harvested, 11% 1993. Winter wheat 20% sown, 20% 1993, 17% avg. Pasture, range feed 84% of normal.

NEVADA: High pressure over the State began to give way by mid-week as a cold front proceeded by gustier winds approached from the north. Temperatures were near normal early in the week, but fell below normal in the north toward the end of the week. Some heavy showers, 1.00 in. diameter hail fell in parts of the south at the beginning of the week, precipitation was nil elsewhere throughout the week. The first freezing temperatures of the season were recorded for Winnemucca, Elko.

Small grain harvests were nearly completed. Alfalfa third cutting continued in full swing. Other hay harvest was nearly complete. Alfalfa seed harvest continued. Onion digging continued in full swing. Movement of livestock to fall pastures continued, with some movement forced by lack of water, forage. Main farm, ranch activities; haying, grain harvest, moving livestock.

NEW ENGLAND: Precipitation none to 1.53 in. regionwide. Temperatures 52 to 59° north; 54 to 64° south. Temperatures 5° below normal regionwide. Maximum temperatures 67 to 76° north; 71 to 83° south. Minimum temperatures 31 to 47° north; 37 to 49° south.

Days suitable for fieldwork 6. Soil moisture 4% short, 89% adequate, 7% surplus. Available grazing, 8% short, 88% adequate, 4% surplus. Fieldwork on schedule. Maine potatoes 15% harvested, 10% 1993, avg. Connecticut River Valley potatoes 45% harvested, 40% 1993, 35% avg.; good. Maine oats 80%

harvested, 70% 1993, 65% avg.; fair. Field corn 10% harvested, 5% 1993, 10% avg.; good/excellent. Shade tobacco good, 100% harvested, 100% 1993. Outdoor tobacco good, 100% harvested, 100% 1993. Second crop hay 85% harvested, 85% 1993, 85% avg.; good/fair. Third crop hay 50% harvested, 35% 1993, 40% avg.; good. Sweet corn 90% harvested, 85% 1993, 85% avg.; good. Apples 20% harvested, size medium, good, color good. Peaches size medium, 90% harvested, good/fair. Pears 70% harvested; size medium, good. Wild blueberries size medium, 99% harvested, good. Cranberries size medium/large, good/excellent. Major farm activities: Harvesting fruits, vegetables, disking down harvested fields, planting cover crops, haying between showers.

NEW JERSEY: Temperatures much below normal. Extremes 39°; 85°. Rainfall 0.02 in. north, 0.01 in. central, none south. Heaviest 24 hour total 0.11 in. on 9th, 10th. Estimated soil moisture, in percent field capacity, averaged 67% north, 56% central, 41% south. Four inch soil temperatures averaged 60° north, 62° central, 64° south.

Days suitable for fieldwork 7. Cooler temperatures combined with limited rainfall has allowed for active fieldwork. Major farming activities included: Spraying pesticides, harvesting vegetables, cutting hay. Good supply of green squash, eggplants, green beans, peppers. Moderate supply of turnips, cabbage, cucumbers, endive, escarole, sweet corn. Light volume of herbs, leeks, okra, tomatoes, beets, spinach, parsley. Fall varieties including Red Delicious are the primary varieties of apples being harvested. Peach harvest is also active with Rio-Oso-Gem, Autumnnglo, Parade.

NEW MEXICO: Temperatures 2° below normal at Des Moines to 4° above at Deming. Precipitation was recorded over most of the State with totals a trace to 1.20 in. at Gran Quivira.

Days suitable for fieldwork 6.2. Soil moisture is 70% short, 27% adequate, 3% surplus. Cropland conditions: Alfalfa 32% fair, 64% good, 4% excellent. Chile was reported at 6% poor, 18% fair, 76% good. Corn 5% poor, 21% fair, 69% good, 5% excellent. Irrigated sorghum was reported as 46% fair, 54% good. Dryland sorghum was 40% poor, 60% fair. Cotton 7% poor, 36% fair, 43% good, 14% excellent. Pecan 9% poor, 27% fair, 64% good. Apple condition was 11% poor, 22% fair, 56% good, 11% excellent. Cattle, sheep varied across the State from poor to excellent condition. Range feed 55% of normal.

NEW YORK: Dry, very cool. Temperatures 4 to 6° below normal. Scattered frost. Light precipitation later half of week. Most places had less than 0.25 in. Few heavy amounts due to thunderstorms. Extremes 32°; 85°.

Days suitable for fieldwork 6.1. Soil moisture mostly adequate. Pasture feed 94% of normal. Hay condition good. Second cutting alfalfa 98% finished, 98% 1994, 95% avg. Oats 97% harvested, 90% 1994, 86% avg. Corn good to excellent. Potato harvest continued. Grape harvest active. Weather ideal for ripening. Apple harvest gaining momentum. Color, size good. Onion harvest continued. Coolness slowed maturity of vegetable crops.

NORTH CAROLINA: Mean temperatures for seven reporting stations 66° at Asheville to 72° at Cape Hatteras, Charlotte, Wilmington. Rainfall departures from normal 0.43 in. at Asheville to 1.71 in. at Wilmington.

Days suitable for fieldwork 5.7. Soil 2% short, 90% adequate, 8% surplus. Crop conditions: Pasture 3% poor, 15% fair, 73% good, 9% excellent; tobacco 1% poor, 20% fair, 65% good, 14% excellent; corn 34% fair, 62% good, 4% excellent; cotton 5% fair, 86% good, 9% excellent; peanuts 15% fair, 85% good; soybeans 15% fair, 74% good, 11% excellent; hay 1% poor, 22% fair, 70% good, 7% excellent; sweet potatoes 4% fair, 86% good, 10% excellent; apples 1% fair, 86% good, 13% excellent; sorghum 45% fair, 51% good, 4% excellent; hay, roughage supplies 14% short, 74% adequate, 12% surplus; corn for grain

harvested 26%, 33% 1993, 24% avg.; corn for silage harvested 63%, 64% 1993, 65% avg.; burley tobacco harvested 53%, 29% 1993, 40% avg.; flue-cured tobacco harvested 72%, 64% 1993, 75% avg.; sorghum 25%, 22% 1993, 14% avg.; apples harvested 30%, 28% 1993, 31% avg.; sweet potatoes harvested 16%, 7% 1993, 11% avg.; cotton open bolls 37%, 63% 1993, 48% avg.; corn dent 96%, 93% 1993, 94% avg.; mature 89%, 86% 1993, 87% avg.; soybeans bloomed 97%, 91% 1993, 92% avg.; pods set 91%, 85% 1993, 86% avg.; leaf drop 9%, 8% 1993, 7% avg.; second cutting of hay is 90% complete with the third cutting 46% complete. Activities included: Harvesting tobacco, corn, hay; marketing tobacco, applying pesticides, herbicides, fungicides. Other activities included: Tending livestock; equipment repair, general farm maintenance.

NORTH DAKOTA: High pressure ridge brought hot, dry temperatures by late week. Precipitation 0.03 in. southeast to 0.91 in. north central. Temperatures 8 to 11° above normal. Extremes 32° west central; 102° southwest.

Days suitable for fieldwork 6.2. Topsoil 17% very short, 27% short, 53% adequate, 3% surplus. Subsoil 10% very short, 27% short, 60% adequate, 3% surplus. Warm dry conditions aided in small grain harvest. Hard red spring wheat 84% combined, 52% 1993, 81% avg.; durum wheat 69% combined, 23% 1993, 70% avg.; barley 96% combined, 77% 1993, 92% avg.; oats 95% combined, 67% 1993, 89% avg. Most late season crops slipped behind average last week. Flaxseed 41% cut or combined, 15% 1993, 53% avg.; corn for grain 11% ripe, 0% 1993, 16% avg.; corn for silage 12% cut, 3% 1993, 26% avg.; dry edible beans 37% cut or combined, 5% 1993, 39% avg.; soybeans 63% mature and beyond, 4% 1993, 37% avg.; sunflower 20% bracts turned brown and beyond, 4% 1993, 21% avg.; potatoes 36% dug, 16% 1993, 17% avg. Condition: flaxseed 1% very poor, 2% poor, 15% fair, 71% good, 11% excellent; corn for grain 1% poor, 11% fair, 66% good, 22% excellent; corn for silage 2% very poor, 3% poor, 27% fair, 58% good, 10% excellent; dry edible beans 1% very poor, 5% poor, 19% fair, 64% good, 11% excellent; soybeans 5% poor, 14% fair, 62% good, 19% excellent; sunflower 2% poor, 11% fair, 69% good, 18% excellent; sugarbeets 4% poor, 10% fair, 74% good, 12% excellent; potatoes 1% poor, 5% fair, 79% good, 15% excellent. Range, pasture condition 78% of normal. Stockwater supplies 2% very short, 6% short, 91% adequate, 1% surplus.

OHIO: High pressure dominated much of the week. A cold front pushed south 3rd helping spark scattered thunderstorms. Much of the week was dry though. Low afternoon relative humidities boosted drying rates. Growing degrees accumulations for the week averaged a bit behind normal. The week averaged 0 to 4° cooler than normal. Highs averaged in the mid to upper 70s while lows generally averaged in the upper 40s to mid 50s. Rainfall was scattered none fell in places. Some thunderstorms did produce isolated heavy downpours. Celina reported 1.23 in. of rain for the week. Most amounts were 0.40 in. or less.

Days suitable for fieldwork 6.4. Crop condition remained good. Maturation proceeded on schedule. Vegetable harvest continued. Soil moisture 22% short, 75% adequate, 3% surplus. Soybeans mature 4%, 4% 1993, 4% avg. Corn mature 12%, 16% 1993, 12% avg. Tomato harvest 50% complete. Potato harvest 45% complete. Corn for silage harvest 17% complete. Hay 1% very poor, 2% poor, 28% fair, 59% good, 10% very good. Alfalfa hay third cutting 87% complete. Other hay third cutting 53% complete. Pasture feed 1% very poor, 4% poor, 31% fair, 57% good, 7% excellent.

OKLAHOMA: Temperatures 4° below normal in the central to 1° below in the Panhandle. Precipitation 0.04 in. east central, southeast to 0.77 in. Panhandle.

Days suitable for fieldwork 5.3. Topsoil moisture 38% short, 55% adequate, 6% surplus. Subsoil moisture 34% short, 66% adequate. Corn 9% fair, 91% good; 83% mature, 79% 1993, 81% avg.; 37% harvested, 35% 1993, 33% avg. Soybeans 99% setting

Pods, 82% 1993, 80% avg.; 57% maturing, 31% 1993, 13% avg.; 25% harvested, 5% 1993, 1% avg. Peanuts 14% fair, 86% good; 98% setting pods, 97% 1993, 96% avg.; 8% mature, 31% 1993, 22% avg.; 1% harvested, 0% 1993, 1% avg. Cotton 20% poor, 50% fair, 30% good; 41% open bolls, 13% 1993, 11% avg. Pasture feed 89% normal. Feeder steers, heifers steady to \$2.00 per cwt. higher.

OREGON: Temperatures mostly normal to slightly above normal statewide, exception central coast 3° above normal. Precipitation Astoria 2.50 in., 1.75 in. Brookings, elsewhere along coast, Willamette Valley 1.00 in., else less than 0.25 in.

Soil moisture 79% short, 21% adequate. Barley 83% harvested. Winter wheat 1% planted. Hay harvest continued, cereal grain field preparation continued, statewide. Dry bean harvest continued, Malheur Co. Seed onions, carrot seed harvest underway, central areas, Klamath Basin. Potato, onion harvest continued, eastern sections. Green pepper harvest underway, Columbia Basin of Oregon. Willamette Valley: Sweet corn, green bean, cauliflower, broccoli harvest continued, Evergreen blackberry picking winding down, hazelnut drop underway, Comice, Anjou pear harvest 7-10 days away, Bosc pear harvest underway, Gala apple harvest mostly complete, peach harvest continued, prune harvest underway. Bartlett pear harvest completed, statewide. Medford district: Red variety pear harvest complete, Comice, Anjou pear harvest underway. Hood River Valley: Anjou pear harvest full swing lower to mid-valley, apples coloring nicely, Gala apple harvest underway lower valley. South coast: Cranberry color normal, McFarlin varieties small to medium berry size, Stevens variety medium to large berry size, growers preparing harvest equipment. Livestock good. Rangeland, forest land extremely dry. Supplemental feeding, fall livestock activities continued, statewide. Range, pasture feed 60% of normal.

PENNSYLVANIA: Beautiful fall weather. Cool, dry; some scattered showers on 8th. Temperature 65°, 1° below normal. Extremes 35°; 83°. Precipitation 0.18 in., 0.67 in. below normal.

Days suitable for fieldwork 6. Soil moisture 10% short, 90% adequate. Ensilage corn harvested 14% complete, 18% 1993. Soybean 2% poor, 11% fair, 56% good, 31% excellent. Wheat planted 22% complete, 21% 1993. Barley planted 25% complete, 20% 1993. Tobacco harvest 67% complete, 72% 1993. Potato harvest 42% complete, 39% 1993. Second cutting alfalfa was virtually complete. Third cutting alfalfa 75% complete, 75% 1993. Fourth cutting alfalfa 34% complete, 41% 1993. Second cutting clover-timothy 89% complete, 97% 1993. Quality of hay made 9% poor, 27% fair, 64% good. Feed from pastures good to excellent. Apple harvest 32% complete, 37% 1993. Grapes harvest 22% complete, 36% 1993. Fall plowing 43% complete, 40% 1993. Activities: Making hay; harvesting corn silage, tobacco, potatoes, fruits, vegetables; plowing; getting ready for corn grain harvest; repairing equipment; fixing fences; hauling manure; caring for livestock.

PUERTO RICO: Rainfall 1.40 in. was 0.45 in. below normal. Highest total rainfall 4.35 in. at San Sebastian 2WNW, 3.32 in. at Las Marias, 3.16 in. at Juncos 1NNE. Island temperatures 80° on the Coasts, 76 to 79° interior with mean station temperature 83.9° at Roosevelt Roads to 69.5° at Pico del Este. Extremes 58°; 96°.

SOUTH CAROLINA: Weather and crop data not available.

SOUTH DAKOTA: Warm, dry throughout week. Temperatures 4 to 10° above normal. Extremes 34°; 104°. Precipitation very light, most locations none. Heaviest 0.24 in., northwest.

Days suitable for fieldwork 5.2. Topsoil 19% very short, 25% short, 51% adequate, 5% surplus. Subsoil 14% very short, 33% short, 46% adequate, 7% surplus. Flax 86% harvested, 64% 1993, 79% avg. Sunflower 14% fair, 53% good, 33% excellent;

90% bracts turned yellow, 62% 1993, 61% avg. Livestock 1% poor, 4% fair, 83% good, 12% excellent. Feed supply 17% short, 73% adequate, 10% surplus. Pasture feed 82% of normal. Water supply 11% short, 77% adequate, 12% surplus. Ranchers moved cattle to fall pastures, repaired fences, moved hay to winter headquarters.

TENNESSEE: Cold front moved through the State during 6th, 7th. High pressure prevailed over State for the balance of the week. Temperatures were below normal by 6° in the east, 4° in the Plateau, 3° in Middle, 2° in western areas. Precipitation was below normal, with a few reports of rainfall amounts over 0.50 in., isolated amounts over one inch, which occurred mainly over middle areas.

Days suitable for fieldwork 4.6. Soil moisture 1% very short, 7% short, 81% adequate, 11% surplus. Corn 91% dent, 95% 1993, 91% avg.; 48% mature, 60% 1993, 58% avg.; 8% grain harvest, 10% 1993, 9% avg.; 52% silage harvest, 68% 1993, 57% avg.; 1% poor, 3% fair, 73% good, 23% excellent. Cotton 56% open bolls, 69% 1993, 43% avg.; 6% fair, 66% good, 28% excellent. Burley 64% harvested, 57% 1993, 67% avg. Dark fire-cured 79% harvest, 69% 1993, 68% avg. Dark air-cured 75% harvest, 66% 1993, 68% avg. Sorghum 92% turning, 95% 1993, 88% avg.; 60% mature, 56% 1993, 45% avg.; 11% grain harvest; 16% 1993, 10% avg.; 10% fair, 84% good, 6% excellent. Soybeans 90% setting pods, 95% 1993, 91% avg.; 10% shedding, 12% 1993, 11% avg.; 4% poor, 20% fair, 69% good, 7% excellent. Other hay, 1% poor, 12% fair, 82% good, 5% excellent. Alfalfa, 2% poor, 9% fair, 82% good, 7% excellent. Cattle, 9% fair, 82% good, 9% excellent. Pasture feed 2% poor, 13% fair, 75% good, 10% excellent.

TEXAS: Early in the week, a cool front brought thunderstorms to western, northern sections of Texas, then stalled out over South Central Texas at midweek. Some heavy rains occurred over South Central Texas, Coastal Bend. Temperatures cooled a bit in the west, north. Rainfall amounts were above normal except for below normal totals in Northern East Texas, Trans Pecos, Lower Valley. Amounts were over an inch and a third above normal in South Central Texas. Temperatures were generally below normal in the Plains areas, in South Texas, close to normal elsewhere.

Crops: Corn harvest continued in Northern Plains in areas where weather conditions allowed. In South Central Texas, harvest was virtually completed. Corn condition 85% normal, 84% 1993. Cotton: Rains continued to cause some delays to harvest activities throughout Central, South Texas, however, some fields were harvested. Stalk destruction continued in areas where weather conditions allowed. Cotton continued to open in the Plains. Defoliation was active on some early fields before being delayed by wet weather. Few early planted fields were harvested in Southern High Plains. Cotton 62% normal, 79% 1993; 22% harvested, 19% 1993. Peanuts: Scattered showers in Cross Timbers brought minimal relief to dryland fields. Elsewhere, irrigated fields continued to make good progress. Leaf spot, southern blight continued to cause problems in some fields. Harvest of early fields continued, preparation for harvest was active. Peanut 79% of normal, 71% 1993; 4% harvested, 4% 1993. Rice harvest continued in full swing but activities in a few areas along the Upper Coast were delayed due to scattered showers. Sorghum wet conditions caused delays to harvest activities throughout the Blacklands. Additional moisture received in the Plains should continue to benefit the crop. Sorghum 68% normal, 81% 1993; 98% headed, 100% 1993. Soybeans continued to make good progress. Harvest activities made normal progress in areas where weather conditions allowed. Soybeans 22% harvested, 18% 1993. Small grains across the Plains, planting of winter wheat continued to be active, with few areas delayed by scattered showers. Early planted fields emerged to good stands, benefitted from showers. Producers were busy planting oats in some areas of the Blacklands, East Texas, South Central Texas. Land preparation, fertilization remained active in areas where soil conditions allowed. Wheat 3% emerged, 4% 1993. Oats 9% planted, 7% 1993. Sunflowers 5% harvested, 4% 1993.

Commercial Vegetables: Rio Grande Valley: Peppers, cucumbers, cabbage, fall watermelons continued to make good progress. Preparations were underway for fall onion planting and citrus harvest. San Antonio-Winter Garden: Cabbage made good progress, land preparation for fall vegetables remained constant. Trans-Pecos: Onion harvest was virtually complete. Chile harvest continued in full swing. East Texas: Sweet potato harvest remained in full swing, late planted melons made good progress. High Plains: Wet weather delayed carrot, cucumber, pepper harvest in some areas. Peach orchard clean up continued in the Edwards Plateau. Spraying for peach borers, scale insects continued in some areas. Pecans: Preparation for harvest was underway throughout South Texas. Nut shedding continued in many parts of the State. Producers were spraying for weevils in the Plains, Cross Timbers, Blacklands. Scab continued to be a problem in some trees in the Blacklands, East Texas.

Range and Livestock: Range, pasture conditions improved in most areas. Some isolated areas, however, missed showers, forage remained short. Hay harvest remained active in East Texas, along the Upper Coast. Supplemental feeding continued, livestock were in fair to good condition.

UTAH: Temperature maximums 4° above normal; minimums 5° above normal. Precipitation light to moderate with 10 stations reporting no measurable precipitation.

Days suitable for fieldwork 6.8. Soil moisture 100% short. Irrigation water supply 73% very short, 27% short. Stockwater supply 56% very short, 41% short, 3% adequate. Oats harvested for grain 93%, 67% 1993. Winter wheat planted for 1995 crop 33%, 45% 1993, 41% avg. Corn matured 49%, 20% 1993, 30% avg.; harvested for silage 15% completed, 3% 1993, 15% avg. Alfalfa 3rd cutting 79%, 60% 1993, 66% avg.; 4th cutting 3%; harvested for seed 34%, 59% 1993. Apples harvested 7%, 10% 1993, 14% avg. Onions harvested 30%, 23% 1993, 30% avg. Potatoes harvested 23%, 18% 1993, 23% avg. Cattle moved from summer range 31%, 12% 1993, 18% avg. Sheep moved from summer range 21%, 13% 1993. Pasture, range feed poor to fair. Major farm activities: Harvesting alfalfa hay, oats, apples, onions, corn silage. Ranchers were removing cattle, sheep from summer pastures.

VIRGINIA: Temperatures 5° below normal across the State. Extremes 42°; 87°. Rainfall was also below normal.

Days suitable for fieldwork 6.4. Topsoil moisture was 36% short, 59% adequate, 5% surplus. Livestock 6% fair, 77% good, 17% excellent. Corn for grain harvest 24%, 25% 1993, 26% avg. Corn for silage harvested 37%, 45% 1993, 48% avg.; silked 100%, 100% 1993, 100% avg.; dough stage 95%, 100% 1993, 100% avg.; dented 78%, 85% 1993, 87% avg.; mature 63%, 70% 1993, 68% avg. Soybean 11% poor, 33% fair, 53% good, 3% excellent. Peanut 1% poor, 66% good, 33% excellent. Flue tobacco harvested 60%, 55% 1993, 68% avg. Burley tobacco harvested 45%, 35% 1993, 56% avg. Fire tobacco harvested 80%, 60% 1993, 84% avg. Sun tobacco harvested 65%, 75% 1993, 75% avg. Summer apple harvest 97%, 95% 1993, NA avg. Fall apples harvested 9%, 12% 1993, NA avg. Pasture feed 3% poor, 17% fair, 47% good, 33% excellent. Wheat seeded 6%, 0% 1993, 4% avg. Oats seeded 8%, 0% 1993, 4% avg. Barley seeded 8%, 0% 1993, 3% avg. Chopping corn, cutting alfalfa, other hay, harvesting, marketing tobacco. Cool nights helping apple color.

WASHINGTON: Temperatures 1° below normal to 1° above normal west; 5° below normal to 3° above normal east. Precipitation 0.43 to 1.27 in. west; none to 0.81 in. east.

Days suitable for fieldwork 6.3. Soil moisture 89% short, 11% adequate. Hay, other roughage supplies 2% very short, 7% short, 90% adequate, 1% surplus. Range, pasture feed 29% very poor, 51% poor, 10% fair, 10% good. Potatoes 10% fair, 90% good. Dry edible beans 8% fair, 92% good. Corn 1% poor, 15% fair, 83% good, 1% excellent. Winter wheat 37% planted, 30% 1993, 30% avg.; 15% emerged, 12% 1993, 12% avg. Potatoes

18% harvested, 34% 1993, 30% avg. Corn silage 30% harvested, 30% 1993, 27% avg. Dry beans 36% harvested, 29% 1993, 27% avg. Alfalfa, third cutting, 85% completed, 61% 1993, 77% avg. Winter wheat seeding winding down in a few early areas. Precipitation resulted in some soil crusting in the eastern Columbia Basin, causing problems with winter wheat emergence. Soil moisture improved somewhat with recent rains. Golden Delicious apple harvest underway across the central part of State. The main Red Delicious apple harvest in the Wenatchee Valley was about a week away. Concord grape harvest expected to begin next week. Many fall pastures were used up. Supplemental feeding continued in many places.

WEST VIRGINIA: Temperature 63°. Extremes 43°; 82°. Precipitation 0.19 in.

Days suitable for fieldwork 5.8. Soil moisture 100% adequate. Hay 7% fair, 79% good, 14% excellent; second cutting 75%, 83% 1993, 75% avg.; third cutting 55%, 68% 1993, 54% avg. Apples 50% poor, 50% fair. Corn 11% fair, 83% good, 6% excellent; dough stage 75%, 99% 1993, 79% avg.; mature 50%, 26% 1993, 39% avg.; harvested 10%, 17% 1993, 5% avg. Tobacco 29% fair, 71% good; harvested 53%, 43% 1993, 48% avg. Gardens 13% poor, 13% fair, 74% good. Soybeans 9% fair, 91% good; podding 100%, 100% 1993. Pasture feed 9% fair, 62% good, 29% excellent; 98% of normal. Cattle 8% fair, 92% good. Sheep 3% fair, 97% good. Primary farm activities: Cutting hay, harvesting tobacco, corn silage, apples, clipping pastures, equipment maintenance.

WISCONSIN: Temperature 65°, 2° above normal. Extremes 38°; 90°. Precipitation 0.10 to 2.00 in.

Days suitable for fieldwork 5.7. Soil moisture 20% short, 73% adequate, 7% surplus. Pasture feed 84%, 84% 1993, 78% avg. General condition of crops: 1% poor, 5% fair, 79% good, 15% excellent. Corn in dough or beyond 87%, 66% 1993, 75% avg.; dent or beyond 61%, 32% 1993, 45% avg.; mature 13%, 7% 1993, 13% avg.; silage 4%, 0% 1993, 5% avg.; 2% fair, 60% good, 38% excellent. Soybean 6% fair, 69% good, 25% excellent; leaves turned 38%, 22% 1993, 32% avg. Third cutting hay harvested 60%, 52% 1993, 54% avg. Warmer temperatures throughout the week pushed crop advancement across the State. Drier conditions allowed for 5.7 days suitable for farmers to be in the fields. Soil moisture short 20%, 73% felt it was adequate, 7% surplus. Pasture feed 84% of normal. Ninety-four percent of farmers, ag agents have reported the States crops in good to excellent condition. Many reporters commented that one or two weeks of this warmer weather would put the corn out of frost danger. Corn is being chopped for silage across the State. Soybeans with excessive growth have started to lodge. A lot of farmers are getting their hay cut, baled with these warmer days. Winter wheat planting is in progress; some early planted fields are up two inches already. Tobacco beds for next year are being treated. The apple crop was reported as good to excellent. Potatoes are being sprayed to kill the vines, stop blight.

WYOMING: Temperatures were above normal across State. Colony was the hot spot averaging 7° above normal. Precipitation was below normal for the State with scattered areas receiving up to a tenth of an inch.

Days suitable for fieldwork 6.8. Topsoil 95% short, 5% adequate. Subsoil 94% short, 6% adequate. Oats 89% harvested, 48% 1993, 80% avg. Barley 93% harvested, 76% 1993, 87% avg. Sugarbeet harvest was starting. Dry beans 83% windrowed, 53% 1993, 57% avg.; 47% combined, 4% 1993, 16% avg. Corn 36% mature, 1% 1993, 7% avg.; silage 44% harvested, 0% 1993, 21% avg. Alfalfa 98% second cutting harvested, 84% 1993, 90% avg.; 59% third cutting, 11% 1993, 23% avg. Winter wheat seedlings for 1995 76% planted, 39% 1993, 55% avg.; 31% emerged, 0% 1993, 13% avg. Stockwater supplies 70% short, 30% adequate. Cattle, calves moved from summer ranges 28%. Sheep, lambs moved from summer ranges 21%. Livestock feed now obtained from pasture, range feed 95%.

International Weather and Crop Summary

HIGHLIGHTS

September 4 - 10, 1994

FSU-WESTERN: Light showers over northern Russia caused only minor delays in spring grain harvesting.

FSU-NEW LANDS: Dry weather over Kazakhstan favored spring grain harvesting.

EUROPE: Wet weather slowed fieldwork in the west; corn harvesting progressed in Hungary.

CANADA: Light frost had no major impact on mature Prairie grains and oilseeds.

AUSTRALIA: Light rain brought some relief to eastern wheat, but substantial rains are still needed.

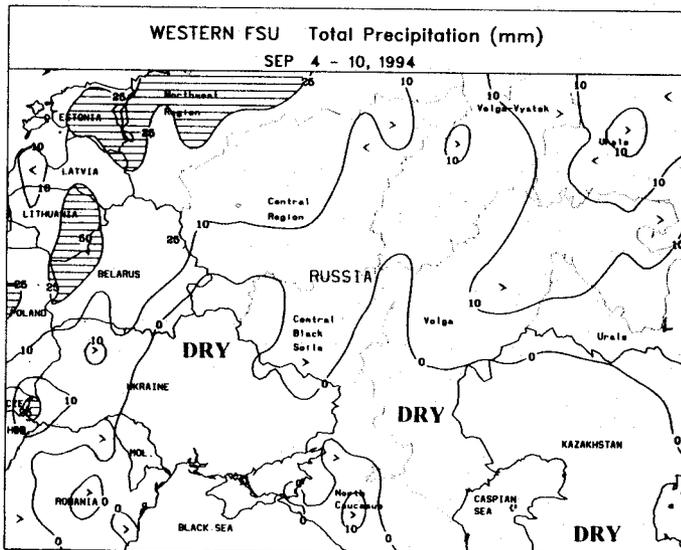
SOUTH ASIA: More heavy rain, with some local flooding, soaked crops from central India to southern Pakistan.

SOUTHEAST ASIA: Tropical Storm Joel brought more rain to northern Vietnam, slowing rice harvesting.

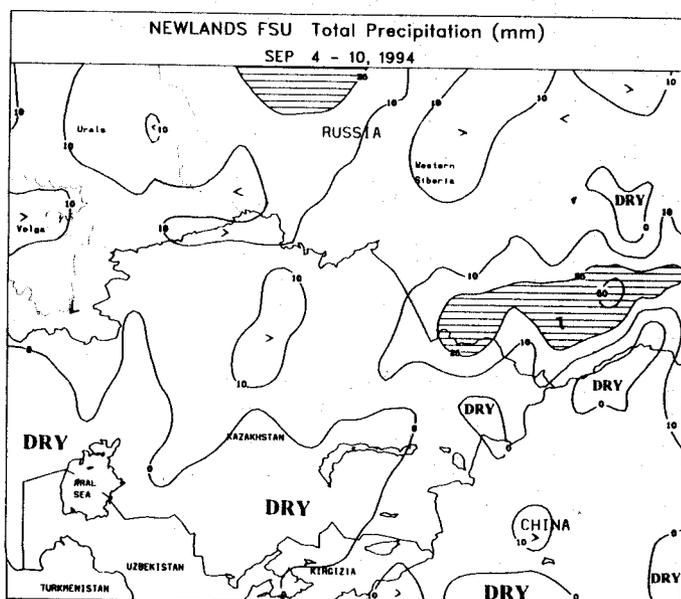
EASTERN ASIA: Showers favored immature summer crops in northern China.

SOUTH AMERICA: Cool weather slowed wheat development across the region.

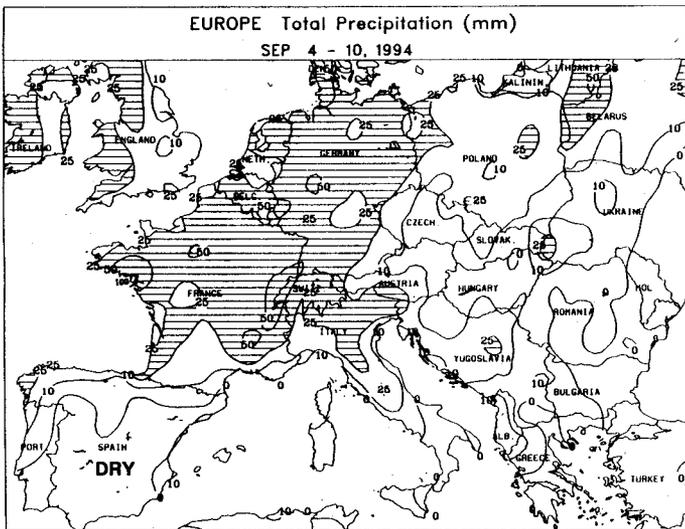
MEXICO: Seasonal showers continued to benefit summer crops across the main corn belt.



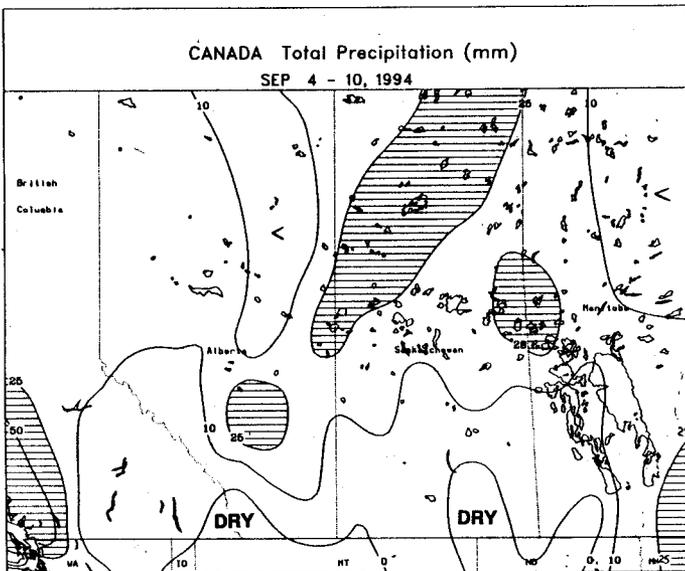
FSU-WESTERN: Light showers (around 10 mm) fell over northern Russia (Central Region, Central Black Soils, Volga Vyatsk, and upper Volga Valley), causing only brief delays in spring grain harvesting. Reports as of September 5 indicated harvest of spring grains and pulses, excluding corn, in Russia was about 54 percent complete. Furthermore, harvest was lagging behind last year's slow pace by 9 percentage points. Further south, drought continued over eastern Ukraine and southern Russia (North Caucasus and lower Volga Valley). While the dryness in these areas favored corn and sunflower harvesting, rain is needed for winter grain planting. September is the optimum month for planting winter grains in Ukraine and southern Russia. Weekly average temperatures were 2-4 degrees Celsius (C) above normal over Baltic States, Belarus, Ukraine, and the North Caucasus region in Russia.



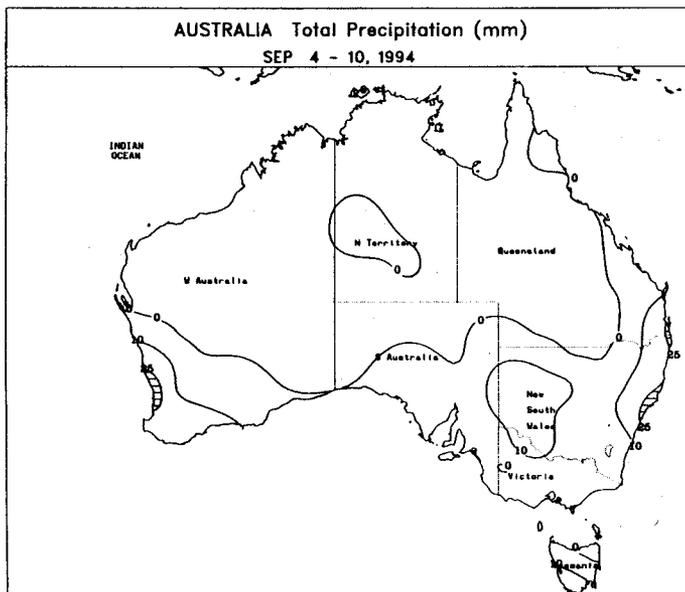
FSU-NEW LANDS: Spring grain harvesting was well underway in Kazakhstan, helped by mostly dry weather. Harvest was in the early stages in Russia (Urals and Western Siberia), where the crop was ripening later than usual. Light showers (around 10 mm) over the western portions of Russia (Urals and western half of West Siberia) caused only minor delays in early harvesting. Continued wet weather (25-50 mm) over the eastern half of West Siberia (Altay Kray Region) delayed fieldwork. Weekly average temperatures were near-normal in Kazakhstan and Russia. In cotton areas of Central Asia, unseasonably cold weather slowed boll maturation. The cotton harvest usually begins in September with the bulk of cotton harvested in October.



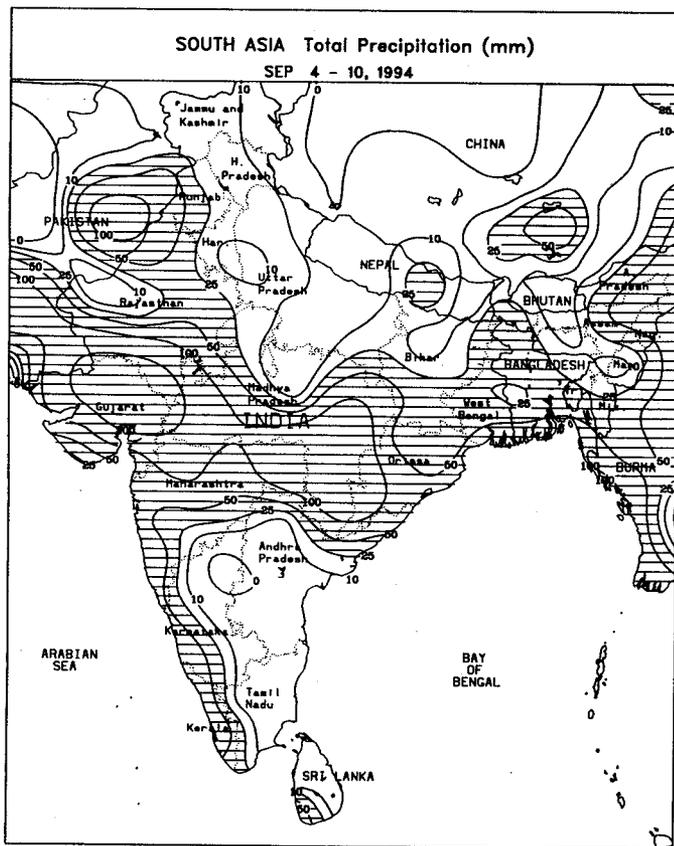
EUROPE: Showery weather hampered fieldwork over much of western Europe. Rainfall averaged 25-50 mm in France, Germany, western England, and northern Italy, slowing completion of spring grain harvesting in the north and early corn harvesting in the south. Winter grain and oilseed plantings normally get underway across the north in early September. Dry weather continued over most of Spain and throughout the Mediterranean region. Mostly light showers covered eastern Europe, with 10-25 mm moistening soils again in Poland but generally less than 10 mm from the Czech Republic to Bulgaria. Corn harvesting progressed in Hungary and Romania. Periodic rain disrupted grain harvesting in southern Sweden.



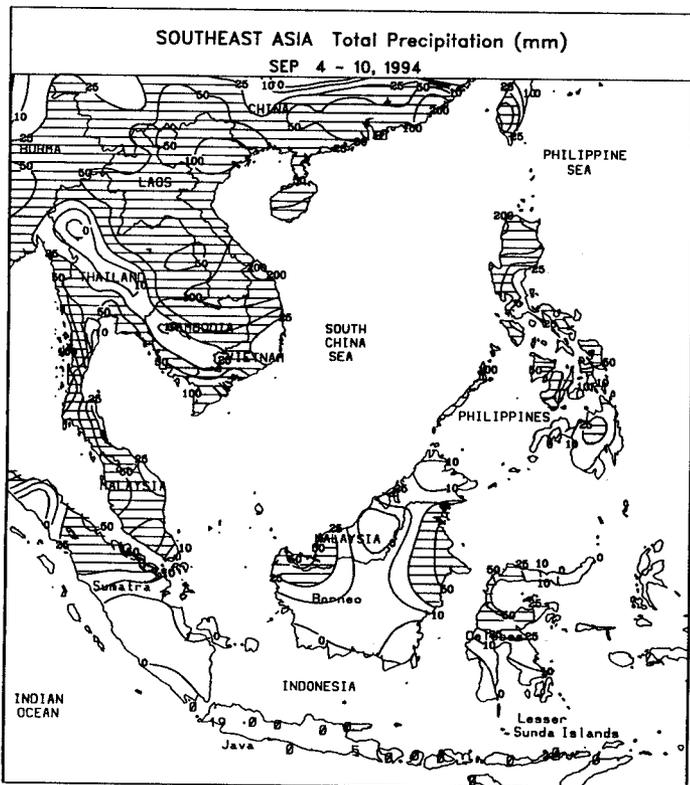
CANADA: On the morning of September 11, light frost was scattered across northern Saskatchewan, having no major impact on maturing grains and oilseeds. The freeze arrived on schedule for that section of the Prairies. Light to moderate rain (10-25 mm or more) across northern Prairies' growing areas was untimely for maturing crops, but drier weather across southern areas favored harvesting. In Ontario and Quebec, mostly light rain (10 mm or less) accompanied cool weather, with some frost possible on fringe growing areas of the east and north.



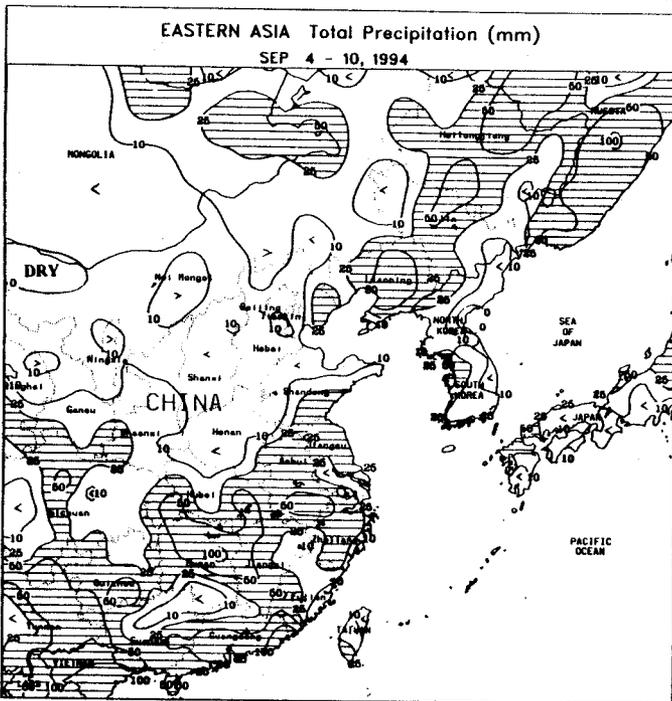
AUSTRALIA: Light rain (3-14 mm) fell across southern Queensland and New South Wales, bringing little or no relief to drought-stricken winter grains. Widespread substantial rain is needed across the region during the next several weeks as the crop enters reproduction. Rainfall (less than 10 mm) was also light across the southern wheat areas, which has been trending dry. Rains (10-25 mm) continued to benefit vegetative western wheat. Temperatures averaged near normal across the west and 1-3 degrees C below normal across the east.



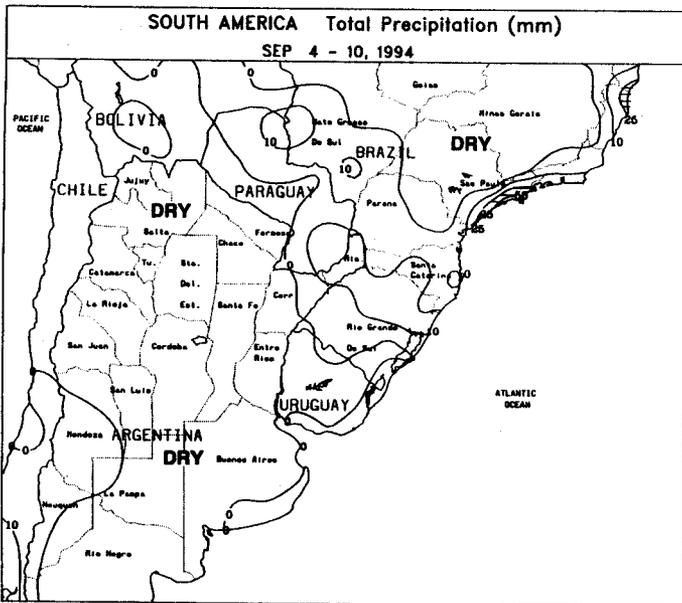
SOUTH ASIA: Inundating rain (150-368 mm) in sections of central and western India likely caused some flooding to cotton, groundnuts, soybeans, and rice. Additional heavy rain (82-161 mm) fell in southern Pakistan as well as local areas of Pakistan's Punjab State, likely resulting in some flooding and raising further concern for open-boll cotton. Rainfall generally ranged from 5 to 25 mm across the region's northernmost crop areas, slowing harvesting. Dry weather continued over the southern interior, reducing moisture for rabi (fall) crops.



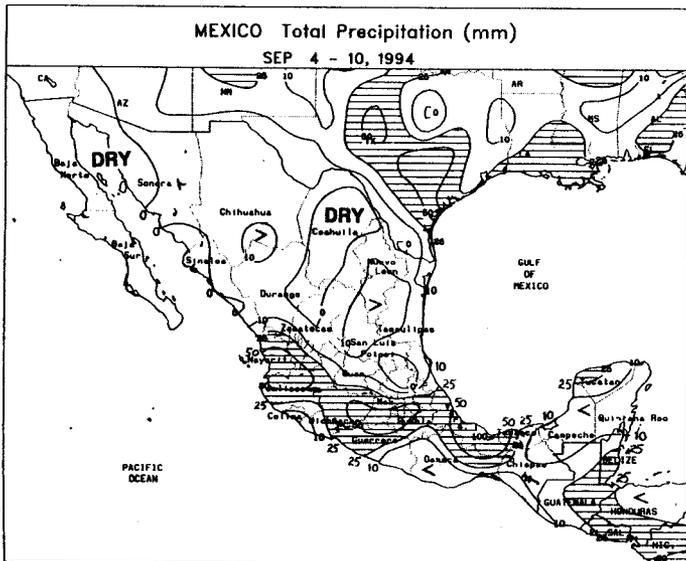
SOUTHEAST ASIA: Tropical Storm Joel brought more heavy rain (50-200 mm or more) to northern Vietnam, causing additional flooding and possibly crop damage. Five to 10 percent of the nation's rice awaits harvesting in the north. The heavy rain (50-100 mm) spread westward to Thailand, with some flooding likely along the Mekong. However, rainfall tapered off over central Thailand, with most areas receiving less than 30 mm. In the Philippines, heavy showers (100-200 mm or more) brought some more flooding to rice areas of northern Luzon. Scattered showers elsewhere benefited rice and sugarcane.



EASTERN ASIA: Widespread rains (20-60 mm) covered Manchuria, benefiting immature corn and soybeans. Somewhat dry weather (rainfall less than 10 mm) allowed summer crops to mature across the North China Plain. Moderate showers (15-60 mm) slowed cotton maturation and early harvesting and single-crop rice harvesting across the lower and middle Yangtze Valley. Drier weather is needed across these regions for favorable cotton quality. Light to moderate showers (10-70 mm) covered southern China, keeping rice irrigation supplies plentiful, but sunnier weather is needed for maturing late double-crop rice. Temperatures averaged 1-2 degrees C above normal across most crop areas of eastern China. Light to moderate rain (5-40 mm) was reported across South Korea and Japan, increasing irrigation supplies. Rice harvesting should be beginning in the two countries. Temperatures continued to average 2-4 degrees C above normal across the region.



SOUTH AMERICA: In southern Brazil, cool weather stressed filling wheat in portions of Rio Grande do Sul. Elsewhere, light rain (5-20 mm) aided immature wheat. Scattered light rain (less than 10 mm) was reported in Sao Paulo, but the main coffee areas were dry. In Argentina, cool weather (minimum temperatures ranging from 0 to -3 degrees C) slowed winter wheat development. Little or no rain fell across the major crop areas of Argentina. Temperatures averaged 2-3 degrees below normal across Argentina and near normal across southern Brazil.



MEXICO: Seasonal showers (20-70 mm) continued across the Southern Plateau corn belt, benefiting immature corn and sorghum. Scattered showers (5-30 mm) aided vegetative corn in the Yucatan Peninsula. Dry weather prevailed across northwestern Mexico. Temperatures averaged near normal across the main corn belt.

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(Continued from the front cover)

Maine. Farther west, Iowa rainfall on September 4 included 1.10 inches in **Sioux City** and 1.98 inches in **Des Moines**. Nearly 3 inches fell at **Rolla, MO**. Cool air briefly infiltrated the **northern Rockies**, where **Pocatello, ID** reported a daily record low of 32°F on Monday. But heat quickly returned to the **Intermountain West** in advance of an east Pacific storm system. On Thursday, **Pocatello** claimed a daily record high with 95°F. Fierce heat spread into the High Plains on Friday. **Minot, ND** set a daily record by 8°F with a high of 102°F. **Williston, ND**, with 100°F, had its hottest day since September 1, 1991. Farther south, **Denver, CO** (93°F) tied a daily record on Saturday, and achieved the 90-degree plateau for the 58th time this year. Also on Saturday, **Tucson, AZ** hit 100°F, marking a record-setting 95th day of 100-degree heat. The previous record of 93 days was set in 1989.

In contrast, cool air cloaked the **East**, setting or tying 18 daily record lows by midweek. Among the dozen records on Monday were readings of 44°F in **Atlantic City, NJ** and 50°F in **Lynchburg, VA**. Farther south, a stalled front interacted with tropical moisture to produce locally heavy rain and flash flooding. **Miami, FL** collected 9.00 inches during the week, the second time in 5 weeks that at least 9 inches has fallen. Heavy rain also hit **central Texas**, where 3-day rainfall (September 7-9) included 2.01 inches in **San Angelo**, 3.57 inches in **Austin**, and 3.89 inches in **San Antonio**.

In the **Pacific Northwest**, a strong, but moisture-starved storm moved inland on Thursday. Precipitation was mainly orographic and coastal, with totals reaching 1.83 inches in **Quillayute, WA**, 1.31 inches in **Salem, OR**, and 0.95 inches in **Seattle, WA**. However, east of the mountains, only 0.15 inches dampened **Spokane, WA**, while 0.10 inches fell in **Pendleton, OR**.

U.S. Crop Production Highlights

The following information was released by USDA's Agricultural Statistics Board on September 12, 1994. Forecasts refer to September 1, 1994.

Corn production is forecast at 9.26 billion bushels, up fractionally from the August 1 forecast but 46 percent above the 1993 production. Yields are expected to average 129.0 bushels per acre, up 0.6 bushel from last month and 28.3 bushels above a year earlier. Acreage for harvest as grain is estimated at 71.8 million acres, the same as last month.

Soybean production is forecast at a record high 2.32 billion bushels, up 1 percent from the August 1 forecast and 28 percent above 1993. Yield is forecast at a record high 38.2 bushels per acre, 0.6 bushel above August 1 and 6.2 bushels above 1993. The previous record high yield of 37.6 was set in 1992.

Cotton production is forecast at a record high of 19.0 million bales, down 1 percent from August but 18 percent larger than 1993. Yields are expected to average 682 pounds per acre, down 8 pounds from last month but 76 pounds above last year. Texas' production declined 100,000 bales from last month.

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