

# 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

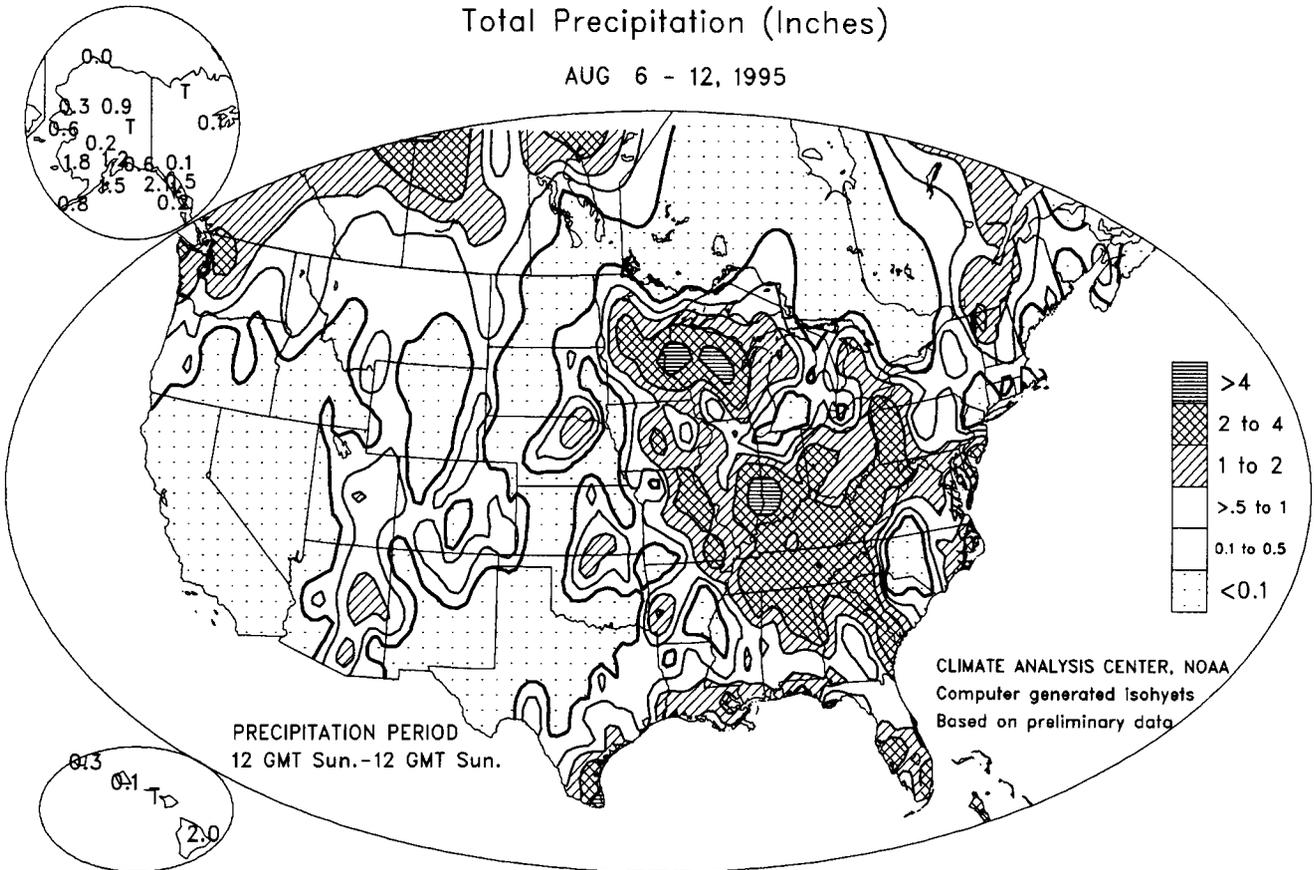
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August 15, 1995

## Total Precipitation (Inches)

AUG 6 - 12, 1995



## HIGHLIGHTS

August 6 - 12, 1995

Early-week rains in the **central and eastern Corn Belt** mitigated the effects of late-week temperatures in the 90's. In the **western Corn Belt**, however, little or no rain fell, while highs on August 8, 11, and 12 ranged from the mid-90's to 100°F, stressing reproductive corn and soybeans. Heat also moved into the **Southeast** toward week's end, reversing a short-lived cooling trend. In **Texas**, the northern rainbands of Tropical Storm Gabrielle spread beneficial moisture into the **lower Rio Grande Valley**. The **Southwest's** severe 3-week heat wave broke on Friday, as moisture from the eastern Pacific Hurricane Flossie was entrained across the region into a strong storm system crossing **southern Canada**. The system delivered unseasonably rainy, cool weather to the **Pacific Northwest**; provided a dramatic 2-day temperature swing (from 110°F to the 30's) in the **northern High Plains**; and dealt strong late-week thunderstorms from the **northern Plains to New England**.

(Continued to back cover)

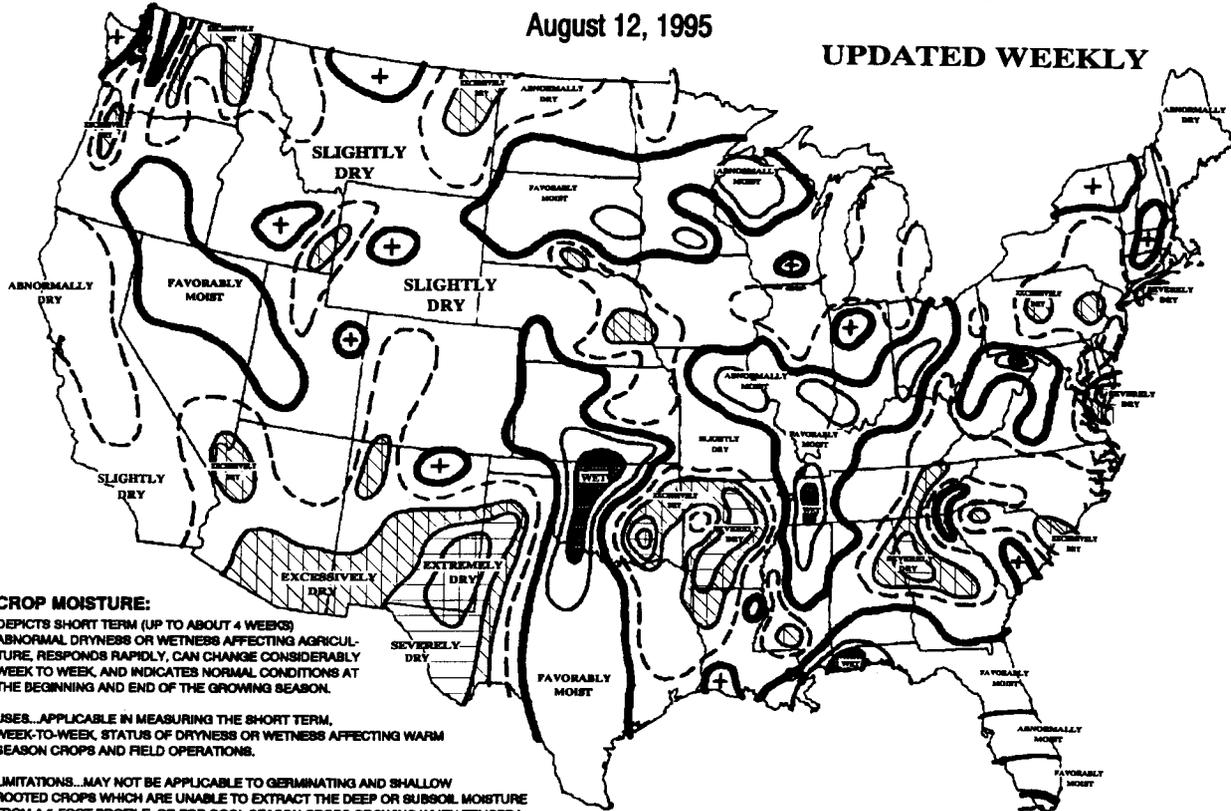
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CROP MOISTURE (SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)

August 12, 1995

UPDATED WEEKLY



CROP MOISTURE:

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

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

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

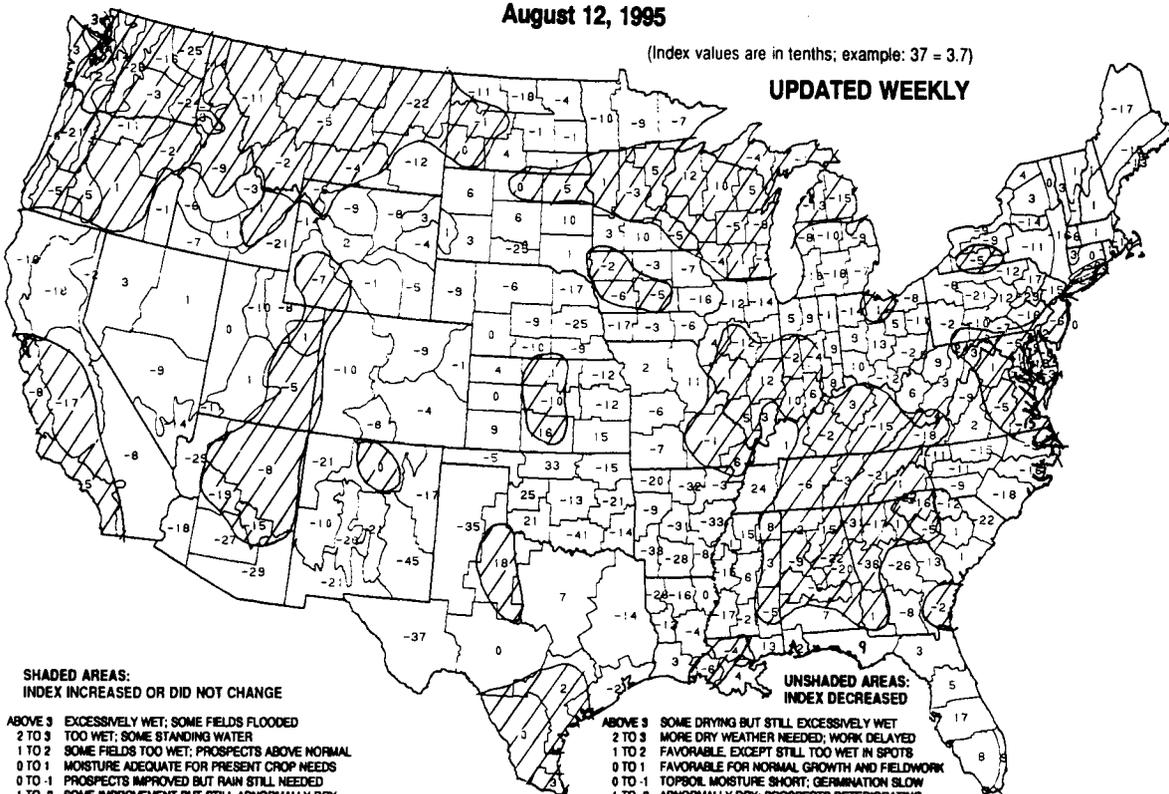
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

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

August 12, 1995

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

UPDATED WEEKLY



SHADED AREAS:  
INDEX INCREASED OR DID NOT CHANGE

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

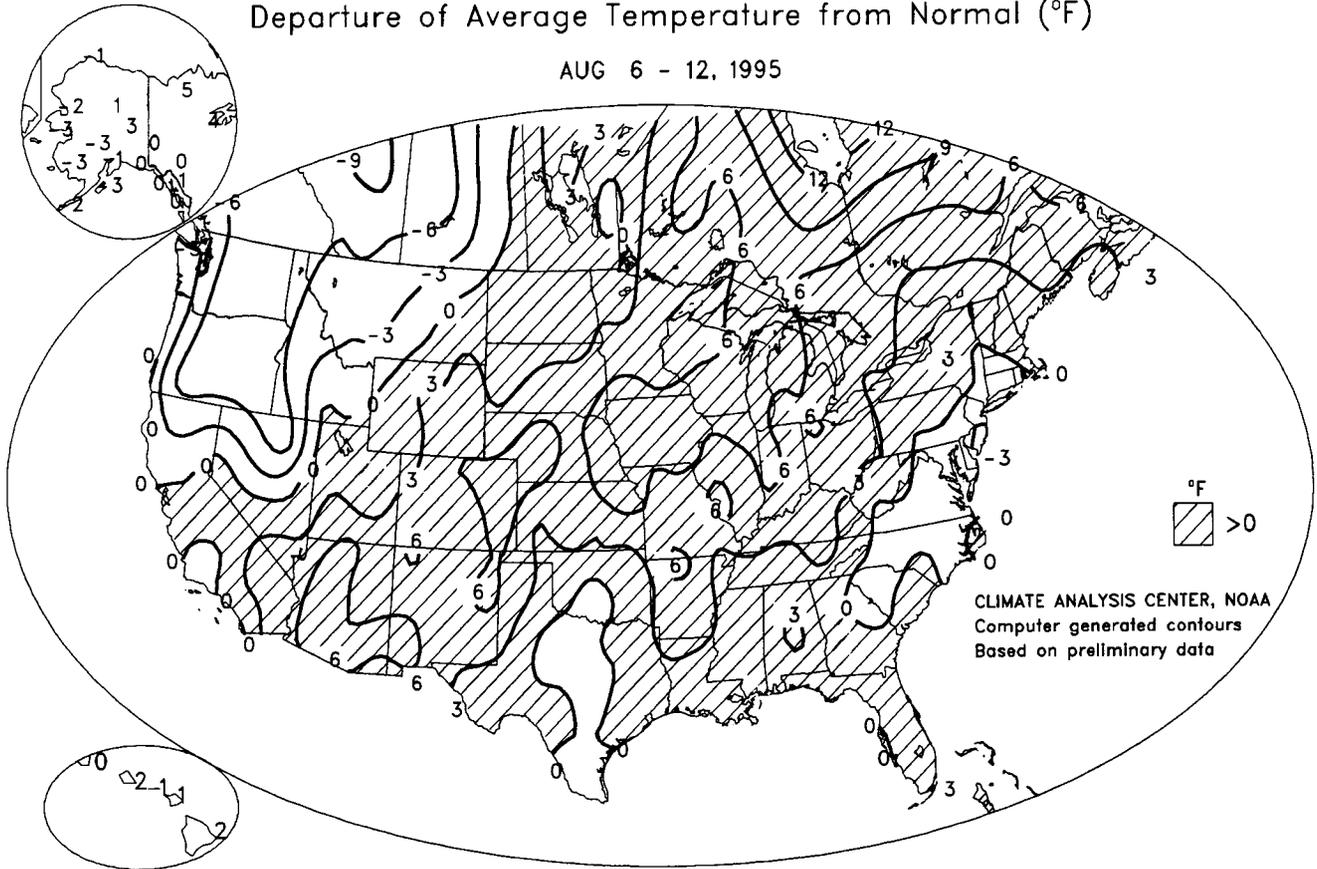
UNSHADED AREAS:  
INDEX DECREASED

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

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

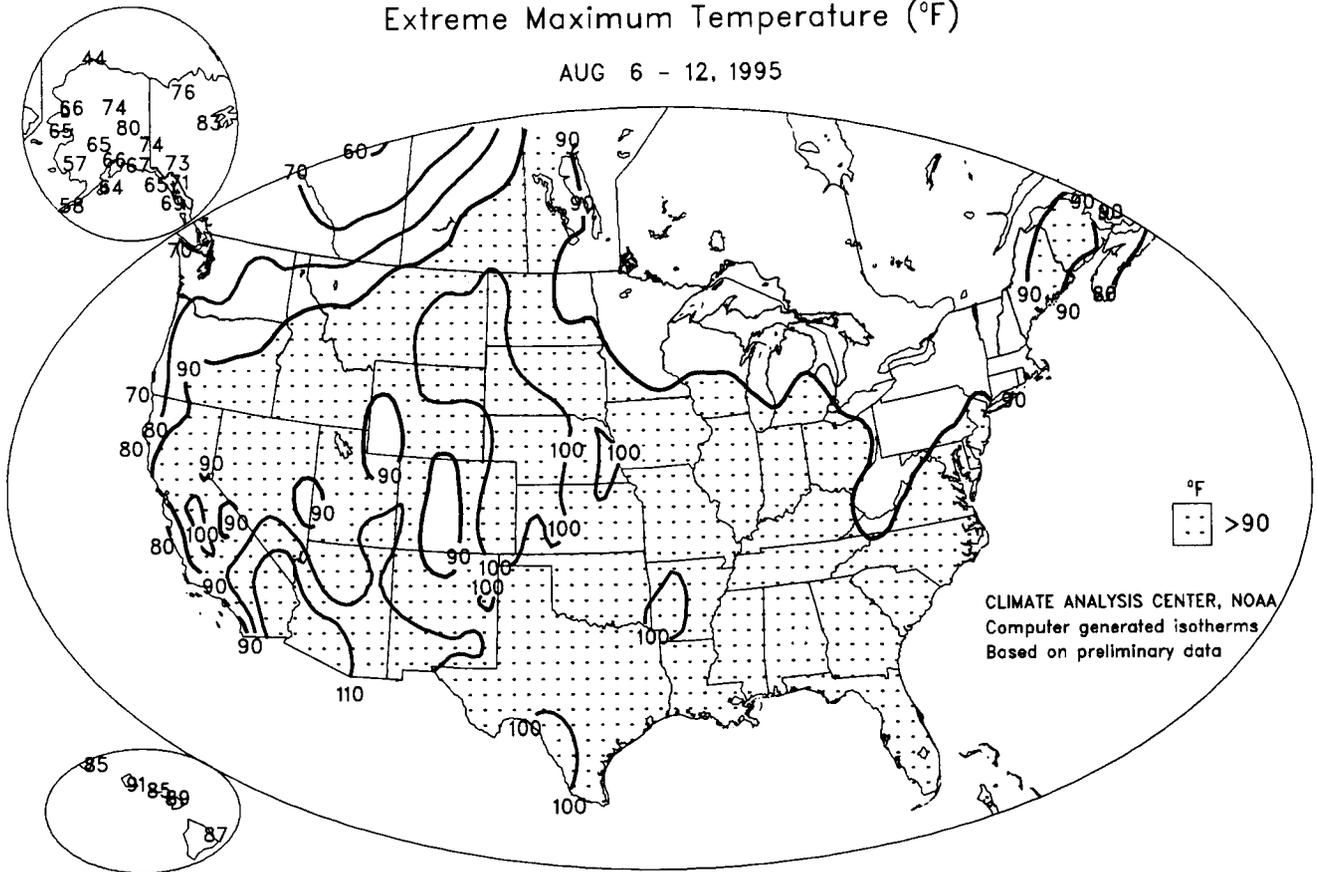
Departure of Average Temperature from Normal (°F)

AUG 6 - 12, 1995



Extreme Maximum Temperature (°F)

AUG 6 - 12, 1995



# National Weather Data for Selected Cities

Weather Data for the Week Ending August 12, 1995

STATES AND STATIONS	TEMPERATURE °F							PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS						
	AVERAGE	MAXIMUM	AVERAGE	EXTREME	EXTREME	AVERAGE	DEPARTURE	WEEKLY	DEPARTURE	GREATEST IN	TOTAL, IN.,	PCT. NORMAL	TOTAL, IN.,	PCT. NORMAL	AVERAGE	MAXIMUM	MINIMUM	80 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																				FROM NORMAL	TOTAL, IN.	FROM NORMAL	24-HOUR, IN.
AL BIRMINGHAM	95	72	99	69	84	4	.6	.3	.6	5.1	49	23.6	65	95	48	6	6	0	0	2	1		
MOBILE	92	74	94	72	83	1	.9	.7	.6	14.0	95	51.9	125	98	58	6	6	0	0	2	1		
MOBILE	93	71	97	70	82	2	1.1	.9	.1	5.1	41	25.7	69	95	51	6	6	0	0	1	0		
AK ANCHORAGE	64	50	66	45	57	-1	1.2	.6	.8	5.3	143	8.9	120	89	58	0	0	0	0	3	1		
BARROW	42	33	44	32	38	-1	.1	.2	.2	1.5	93	2.4	101	99	78	0	0	2	0	0	0		
FAIRBANKS	74	50	80	46	62	3	.4	.5	.4	3.8	94	5.5	87	90	41	0	0	2	0	0	0		
JUNEAU	56	49	71	45	57	1	.5	.5	.3	9.9	108	..	..	95	60	0	0	0	2	0	0		
KODIAK	58	48	64	44	53	-3	1.5	.5	.6	16.1	158	50.5	136	94	68	0	0	0	0	6	1		
NOAH	55	42	65	34	49	-3	.6	.6	.2	2.8	64	8.7	115	91	60	0	0	0	5	0	0		
AR PHOENIX	110	86	114	78	98	6	.6	.2	.2	4.0	7	3.1	79	41	18	7	0	0	0	0	0		
PRESCOTT	94	67	97	62	81	9	.2	.7	.1	1.2	23	6.1	54	50	18	6	6	0	0	2	0		
TUCSON	104	78	109	69	91	6	2.1	1.6	2.1	2.1	60	5.8	93	60	20	7	0	0	1	1			
YUMA	110	88	114	86	99	5	.0	.1	.0	.3	31	2.0	135	55	22	7	0	0	0	0	0		
AR FORT SMITH	95	74	98	70	84	3	.1	.6	.1	9.2	122	27.3	109	95	50	7	0	0	0	1	0		
LITTLE ROCK	97	76	99	73	86	5	.3	.3	.3	6.5	78	25.4	86	80	43	7	0	0	1	0	0		
CA BAKERSFIELD	97	66	103	59	81	-2	.0	.0	.0	.0	261	36.1	171	91	66	0	0	0	2	0	0		
FRESNO	64	52	67	48	58	0	.1	.0	.1	2.1	7	15.2	218	67	17	7	0	0	2	0	0		
FRESNO	98	67	103	58	82	1	.0	.0	.0	.7	957	15.2	218	67	17	7	0	0	2	0	0		
LOS ANGELES	76	63	81	61	69	-1	.0	.0	.0	.7	>1000	21.0	270	91	62	0	0	0	0	0	0		
KEDDING	95	64	98	54	79	-1	.0	.0	.0	1.8	209	46.6	244	57	15	6	0	0	0	0	0		
SACRAMENTO	91	59	96	54	75	-1	.0	.0	.0	.3	313	23.8	221	94	36	5	0	0	0	0	0		
SAN DIEGO	74	65	81	63	72	-1	.0	.0	.0	.3	464	15.9	255	94	66	0	0	0	0	0	0		
SAN FRANCISCO	78	55	88	50	74	1	.0	.0	.0	.6	500	21.0	171	92	53	0	0	0	0	0	0		
CO DENVER	95	62	99	53	79	6	.2	.4	.2	4.0	93	11.8	109	69	18	6	0	0	0	0	0		
GRAND JUNCTION	98	67	103	62	82	4	.3	.2	.2	2.5	143	8.4	141	67	17	7	0	0	3	0	0		
FURELO	99	59	104	50	79	3	.2	.5	.2	3.5	84	11.4	147	71	19	6	0	0	0	0	0		
CT BRIDGEPORT	82	65	88	57	73	-1	.1	.7	.1	4.0	47	17.8	68	77	49	0	0	0	1	0	0		
HARTFORD	83	59	88	51	71	-2	.1	.7	.1	7.4	89	21.6	81	88	49	0	0	0	1	0	0		
DC WASHINGTON	85	70	93	65	77	-2	.5	.5	.5	7.3	84	20.5	86	88	58	2	0	0	1	0	0		
FL PANAMA CITY	88	74	90	73	81	0	1.7	.2	1.1	15.6	81	30.1	71	97	64	1	0	0	3	1	0		
DAYTONA BEACH	89	72	90	72	81	0	.5	.9	.4	14.0	182	21.5	77	97	61	3	0	0	2	0	0		
JACKSONVILLE	91	73	94	71	82	1	.3	.9	.3	17.2	129	28.4	95	95	59	4	0	0	2	0	0		
KEY WEST	90	79	92	78	85	0	.2	1.0	.2	10.8	104	19.8	94	83	64	4	0	0	2	0	0		
MIAMI	91	78	95	76	85	2	1.6	.0	1.0	30.6	172	46.4	139	88	58	6	0	0	4	1	0		
ORLANDO	93	75	94	73	84	1	.6	.9	.5	16.2	94	26.0	84	94	55	7	0	0	2	0	0		
TALLAHASSEE	94	71	96	69	83	1	.1	1.8	.0	18.4	98	36.1	82	92	51	7	0	0	2	0	0		
TAMPA	90	76	93	75	83	1	1.0	.8	.6	24.2	161	34.9	128	92	61	5	0	0	3	1	0		
WEST PALM BEACH	91	75	95	73	83	0	2.2	.8	2.1	19.5	118	28.8	84	88	53	4	0	0	2	1	0		
GA ATLANTA	87	71	95	68	79	0	.4	.4	.3	5.2	51	23.1	68	95	60	3	0	0	2	0	0		
AUGUSTA	89	70	96	67	80	-1	.1	.9	.1	10.3	181	25.5	84	94	56	4	0	0	1	0	0		
MACON	90	70	95	68	80	-1	.1	.8	.1	11.1	118	27.4	90	95	56	4	0	0	1	0	0		
SAVANNAH	91	73	96	71	82	1	1.6	.1	.9	16.0	107	27.8	85	94	57	5	0	0	3	2	0		
HI HILO	85	70	87	68	78	2	2.0	.2	1.6	22.4	114	49.4	63	87	66	0	0	0	4	1	0		
HONOLULU	90	76	91	74	83	2	.1	.1	.1	.3	22	10.0	62	83	68	0	0	0	1	0	0		
KAHULUI	88	74	89	73	81	1	.2	.1	.2	.8	93	8.9	68	80	52	0	0	0	1	0	0		
LIIHUE	85	75	85	73	80	0	.3	.1	.3	2.2	48	15.4	62	83	68	0	0	0	2	0	0		
ID BOISE	86	53	99	40	70	-4	.2	.1	.2	1.5	116	9.0	121	61	17	2	0	0	0	0	0		
LEWISTON	79	56	90	52	68	-7	1.1	1.0	1.1	5.3	238	11.0	139	77	31	1	0	0	2	1	0		
POCATELLO	88	49	98	35	68	-2	.1	.1	.0	3.8	198	11.4	149	74	17	2	0	0	2	0	0		
IL CHICAGO	89	72	98	69	80	8	.2	.8	.2	5.4	59	20.7	96	89	53	2	0	0	1	0	0		
MOLINE	89	70	93	68	79	5	1.1	.1	.7	7.5	68	25.9	104	93	62	3	0	0	2	1	0		
PEORIA	89	69	94	67	79	5	.9	.2	.5	5.9	63	25.9	114	97	62	3	0	0	4	1	0		
QUINCY	88	71	93	69	79	4	1.2	.4	.9	6.4	66	22.3	92	85	58	3	0	0	2	1	0		
ROCKFORD	87	69	95	66	78	6	.1	.8	.1	6.7	66	21.0	93	99	64	2	0	0	1	0	0		
SPRINGFIELD	90	72	94	67	81	6	.7	.0	.6	6.7	82	24.9	113	93	60	3	0	0	4	1	0		
IN EVANSVILLE	93	73	98	69	83	5	1.1	.3	1.1	11.0	114	38.3	129	92	56	6	0	0	3	1	0		
FORT WAYNE	88	69	95	66	79	6	.1	.7	.1	7.9	94	22.4	102	99	62	2	0	0	2	0	0		
INDIANAPOLIS	87	70	93	66	78	4	2.7	1.9	2.2	9.5	100	26.0	101	98	64	3	0	0	2	2	0		
SOUTH BEND	86	70	93	66	78	6	.2	.6	.2	15.3	164	29.5	125	97	65	1	0	0	3	0	0		
IA DES MOINES	91	73	95	70	82	9	.2	.7	.2	7.4	75	24.2	111	90	57	4	0	0	2	0	0		
SIOUX CITY	92	70	99	62	81	7	.0	.7	.0	3.9	47	16.0	92	92	46	5	0	0	0	0	0		
WATERLOO	89	71	94	66	80	8	T	.9	T	6.8	63	18.0	80	93	58	4	0	0	0	0	0		
KS CONCORDIA	96	73	99	65	84	6	T	.8	T	6.1	64	20.0	102	84	41	6	0	0	0	0	0		
DODGE CITY	100	70	103	63	85	6	T	.7	T	7.1	95	17.3	114	78	29	7	0	0	0	0	0		
GOODLAND	97	65	101	55	81	6	.4	.0	.4	8.2	120	16.8	124	80	28	6	0	0	1	0	0		
TOPEKA	95	75	96	71	8																		

Weather Data for the Week Ending August 12, 1995

STATES  AND  STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT			NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	AVERAGE	MAXIMUM	AVERAGE MINIMUM	80 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
ME CARIBOU	86	55	93	48	70	6	.6	.3	.6	4.0	47	19.2	92	77	33	1	0	1	1			
PORTLAND	81	57	87	52	69	1	.7	.7	.7	6.1	79	22.2	86	92	48	1	0	0	0			
ND BALSIZORE	85	68	94	63	76	0	2.7	1.8	2.7	8.3	93	19.9	79	90	58	1	0	1	1			
SALISBURY	86	65	94	60	76	0	.3	.9	.3	4.2	42	15.5	55	95	53	3	0	2	2			
MA BOSTON	81	65	89	58	73	0	.6	.1	.6	4.4	61	16.7	67	82	49	0	0	1	1			
CHATHAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
MI ALPENA	82	61	92	58	72	6	.7	.7	.7	5.1	70	13.2	76	97	62	1	0	1	1			
DETROIT	84	71	91	69	77	6	.9	.1	.9	5.9	73	18.0	90	92	65	1	0	1	1			
FLINT	84	67	91	63	76	6	.2	.6	.1	4.2	58	13.2	75	94	64	2	0	2	2			
GRAND RAPIDS	85	68	90	66	76	6	.4	.8	.7	10.5	128	22.3	109	95	62	0	0	0	0			
HOOVERTON LAKE	84	65	89	60	75	8	.4	.3	.3	7.2	106	16.1	98	96	62	0	0	2	2			
LANSING	85	67	91	64	76	6	.1	.7	.1	3.7	51	14.9	83	100	61	1	1	1	1			
MARQUETTE	81	62	87	52	72	8	.6	.2	.6	7.9	104	21.7	109	93	54	0	0	1	1			
MUSKOGON	83	68	86	66	76	6	.4	.4	.4	5.2	93	16.5	94	95	67	0	0	1	1			
SAULT ST. MARIE	79	61	83	52	70	6	.7	.8	.7	7.6	106	19.7	105	100	51	0	0	1	1			
MN ALEXANDRIA	81	66	85	60	73	3	1.2	.4	.8	7.8	91	14.6	88	95	64	0	0	3	3			
DULUTH	78	61	85	59	69	4	1.1	.3	.6	7.5	84	18.2	100	91	60	0	0	4	4			
INT'L FALLS	80	58	84	46	69	4	.1	.6	.1	6.1	69	12.1	79	90	49	0	0	3	3			
MIDWAY	84	67	87	62	76	4	2.9	2.1	1.7	9.7	107	16.7	90	93	60	0	0	4	4			
ROCHESTER	84	68	90	64	76	6	.7	.9	.7	8.0	85	17.7	94	96	67	1	0	1	1			
MS GREENWOOD	95	74	98	71	84	3	.4	.2	.4	8.7	90	29.5	84	96	53	7	0	1	1			
JACKSON	93	73	96	71	83	2	.3	.5	.2	13.8	160	39.0	109	97	48	7	0	3	3			
MERIDIAN	92	72	94	70	82	1	.2	.7	.2	8.7	84	34.9	93	100	56	6	0	1	1			
MO CAPE GIRARDEAU	93	73	95	72	83	5	.7	.8	.7	9.3	112	30.2	103	95	54	7	0	0	0			
COLUMBIA	93	72	95	70	82	6	2.5	1.8	2.5	15.2	172	42.3	179	97	62	6	0	2	1			
KANSAS CITY	92	73	93	70	82	5	.0	.9	.0	10.4	98	29.1	124	91	59	6	0	0	0			
SAINT LOUIS	95	76	99	72	86	7	1.3	.7	1.3	8.4	96	33.5	142	87	54	7	0	2	1			
SPRINGFIELD	93	72	97	68	83	5	.7	.9	.7	11.7	123	34.2	133	92	52	6	0	0	0			
MT BILLINGS	87	56	102	48	71	-1	.4	.2	.4	4.4	136	12.5	121	68	20	2	0	1	0			
GLASGOW	86	56	104	43	71	0	.3	.0	.3	7.4	170	10.8	137	80	27	2	0	2	0			
GREAT FALLS	79	49	93	43	64	-5	.3	.0	.3	6.1	145	11.7	109	80	25	1	0	2	0			
HAVEN	82	51	95	44	66	-4	.1	.2	.1	8.2	227	12.1	156	79	25	2	0	1	0			
HELENA	83	49	98	39	66	-4	.1	.2	.0	3.9	114	8.7	110	71	28	1	0	2	0			
KALISPELL	71	45	83	38	58	-6	.6	.3	.4	6.7	174	12.1	117	89	45	0	0	3	0			
MILES CITY	93	61	110	50	77	2	.7	.3	.7	4.3	90	10.2	101	56	16	4	0	0	0			
MISSOULA	80	46	92	36	63	-5	.3	.1	.2	4.5	143	8.2	92	83	29	1	0	4	0			
NE GRAND ISLAND	92	70	98	61	81	5	.7	.6	.7	6.8	87	18.5	108	91	53	5	0	0	0			
LINCOLN	95	73	100	68	84	7	.0	.8	.0	3.7	44	18.0	98	88	47	7	0	0	0			
NORFOLK	94	70	100	63	82	8	.0	.6	.0	4.3	49	18.7	105	88	41	5	0	0	0			
NORTH PLATTE	98	67	103	62	82	9	.1	.4	.0	4.8	66	13.8	94	84	34	6	0	2	0			
OMAHA	94	73	99	69	84	8	.0	.7	.0	4.2	49	18.9	97	90	50	5	0	0	0			
SCOTTSBLOFF	94	59	98	55	77	3	.7	.2	.7	4.2	82	13.3	115	90	25	6	0	1	0			
VALENTINE	96	65	105	57	81	6	.7	.7	.7	6.2	78	16.8	106	86	32	6	0	0	0			
NV RLY	89	50	93	39	70	3	.7	.2	.7	1.5	80	8.8	138	56	25	3	0	0	0			
LAS VEGAS	107	85	111	82	96	6	.7	.1	.7	.7	0	3.6	144	30	10	7	0	0	0			
RENO	89	56	94	50	72	1	.0	.1	.0	1.5	184	10.0	213	59	16	3	0	0	0			
WINDHECCA	90	45	96	36	67	-4	.0	.1	.0	1.5	115	8.1	157	71	10	5	0	0	0			
NH CONCORD	85	58	90	49	70	1	.5	.3	.5	7.7	99	20.8	96	96	41	2	0	1	0			
NJ ATLANTIC CITY	80	60	91	53	70	-5	3.0	2.1	3.0	8.5	104	21.1	84	98	63	1	0	3	1			
NM ALBUQUERQUE	97	69	99	64	83	6	.1	.3	.0	.6	23	2.5	49	52	18	7	0	2	0			
CLOVIS	95	68	97	64	82	6	.7	.7	.7	2.8	43	5.8	54	70	24	7	0	1	0			
ROSWELL	98	71	101	70	85	5	.7	.7	.7	.7	.7	.7	.7	.7	.7	57	22	7	0	0		
NY ALBANY	81	60	87	51	70	-1	.1	.7	.1	6.8	84	16.4	74	93	49	0	0	2	0			
BINGHAMTON	81	59	84	53	70	-2	.1	.7	.1	5.9	70	16.6	74	88	48	0	0	1	0			
BUFFALO	82	63	84	60	73	2	.5	.4	.3	6.3	77	19.0	87	87	53	0	0	2	0			
NEW YORK	84	69	95	63	77	4	.2	.9	.7	8.0	88	20.5	78	77	44	1	0	1	0			
ROCHESTER	83	64	86	60	73	4	.2	.6	.1	8.3	118	16.4	87	88	52	0	0	2	0			
SYRACUSE	84	60	87	54	72	3	.5	.3	.3	4.2	47	13.1	57	89	48	0	0	2	0			
NC ASHEVILLE	81	66	89	64	73	0	2.1	.7	.9	15.1	126	34.4	99	97	66	0	0	4	3			
CHARLOTTE	86	69	94	65	78	-2	.7	.9	.7	10.7	122	25.6	94	88	55	1	0	0	0			
GREENSBORO	85	68	96	64	77	0	.7	.9	.7	11.9	120	22.9	85	89	53	2	0	0	0			
HATTERAS	84	75	90	72	80	1	7.4	6.0	5.3	18.8	165	37.6	115	85	65	1	0	5	2			
NEW BERN	88	72	95	66	80	0	.3	1.3	.3	5.8	38	15.4	44	93	59	2	0	1	0			
RALSIGH	86	69	98	65	77	0	.7	.9	.7	11.1	119	27.8	104	90	52	2	0	0	0			
WILMINGTON	89	70	95	64	79	0	.1	1.5	.1	20.9	144	41.3	118	94	53	2	0	1	0			
ND BISMARCK	88	57	94	45	73	3	.7	.4	.7	6.5	118	14.0	127	84	40	3	0	0	0			
FARGO	87	62	91	52	74	4	.1	.5	.0	6.8	104	13.5	104	86	47	1	0	2	0			
GRAND FORKS	83	60	90	54	71	3	.7	.6	.7	12.1	185	16.8	139	89	46	1	0	0	0			
WILLISTON	87	57	104	47	72	2	.4	.1	.4	5.2	106	10.4	106	82	26	2	0	0	0			
OH AKRON-CANTON	83	66	90	63	75	2	.8	.0	.8	7.9	92	25.4	110	95	58	1	0	1	1			
CINCINNATI	88	69	93	67	79	4	.5	.3	.3	9.9	104	30.6	114	98	62	2	0	3	0			
CLEVELAND	85	69	92	64	77	6	.4	.3	.4	10.7	126	28.3	127	92	66	2	0	2	0			
COLUMBUS	87	69	93	66	78	6	1.6	.8	1.3	18.1	201	33.9	142	95	64	2	0	4	1			
DAYTON	85	71	92	68	78	5	2.9	2.2	2.2	17.8	206	38.6	163	95	64	1	0	3	2			

Based on 1961-90 normals.

Weather Data for the Week Ending August 12, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT	NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jun 1		PCT. NORMAL SINCE Jun 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.
													80 AND ABOVE				82 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	86	70	95	67	78	7	1.1	-.3	.7	6.6	79	19.3	95	96	65	2	0	2	1
YOUNGSTOWN	83	65	90	62	74	5	.3	-.5	.2	7.0	75	19.7	85	96	65	1	0	2	0
OK OKLAHOMA CITY	92	70	93	65	81	-1	.3	-.5	.2	10.1	129	22.8	107	93	50	7	0	0	0
TULSA	95	75	97	72	85	2	.7	-.7	.7	13.8	161	33.9	136	83	46	7	0	1	1
OR ASTORIA	68	54	74	49	61	0	.9	-.7	.8	4.3	104	37.0	102	93	64	0	0	2	1
BURNS	78	38	94	34	58	-8	.7	-.6	.7	2.3	155	9.7	166	89	22	1	0	1	1
MEDFORD	85	53	94	47	69	-5	.0	-.1	.0	2.7	274	14.3	149	86	25	2	0	0	0
PENDLTON	78	54	86	47	66	-7	.2	-.1	.2	2.7	226	11.5	162	69	29	0	0	1	0
PORTLAND	75	57	86	52	66	-3	.4	-.1	.2	4.3	170	21.9	111	84	44	0	0	3	0
SALEM	75	52	85	50	64	-3	.2	-.0	.2	2.0	93	35.1	119	91	44	0	0	1	0
PA ALLENTOWN	83	62	89	55	72	-1	.7	-.1	.7	7.3	77	22.0	82	94	51	0	0	0	0
ERIE	83	67	86	64	75	4	.3	-.6	.3	4.9	55	18.0	78	89	61	0	0	1	0
HARRISBURG	82	67	90	61	75	-1	.4	-.4	.3	10.1	116	21.8	86	95	60	1	0	2	0
PHILADELPHIA	85	69	93	64	77	3	.9	-.0	.7	4.7	45	16.5	58	91	58	2	0	2	1
PITTSBURGH	85	66	89	62	75	4	.5	-.3	.5	8.5	98	19.5	82	89	56	0	0	1	0
SCRANTON	84	61	88	51	72	1	.6	-.2	.6	5.4	60	14.5	65	88	48	0	0	1	1
RI PROVIDENCE	83	62	88	55	72	0	.4	-.5	.4	5.8	73	20.8	76	87	47	0	0	1	0
SC CHARLESTON	91	74	97	71	82	1	.4	-.4	.4	13.3	82	24.7	73	93	54	5	0	1	0
COLUMBIA	91	72	97	69	81	1	.7	-.4	.7	18.9	148	34.5	104	88	52	5	0	1	0
FLORENCE	90	71	99	67	81	0	.7	-.2	.7	9.4	78	25.9	89	89	49	3	0	0	0
GREENVILLE	87	69	98	67	78	0	1.2	.3	1.1	9.4	85	29.3	88	93	55	3	0	3	1
SD ABERDEEN	85	62	93	50	74	2	.4	-.3	.4	5.2	67	16.5	112	92	55	2	0	1	0
BURON	89	65	97	55	77	3	.7	-.5	.7	7.0	103	22.7	156	94	54	2	0	0	0
RAPID CITY	93	58	102	47	75	3	.1	-.3	.1	7.5	130	15.5	126	82	31	4	0	1	0
SIOUX FALLS	93	70	100	62	81	8	.1	-.6	.1	7.7	108	22.7	146	90	48	5	0	1	0
TN CHATTANOOGA	89	71	95	68	80	1	2.1	1.3	1.5	10.7	109	32.1	94	94	54	3	0	3	2
KNOXVILLE	90	71	96	69	80	4	.6	-.2	.3	5.6	56	27.5	88	94	56	2	0	3	0
MEMPHIS	93	75	96	73	84	2	.2	-.6	.1	18.5	213	39.4	121	97	64	6	0	3	0
NASHVILLE	90	72	94	70	81	2	1.8	1.0	1.3	8.5	95	31.4	103	99	69	3	0	4	1
TX ABILENE	92	72	93	70	82	-2	.0	-.6	.0	8.9	149	19.1	133	83	38	7	0	0	0
AMARILLO	97	67	98	61	82	4	.0	-.7	.0	5.7	75	12.5	95	73	26	7	0	0	0
AUSTIN	94	74	95	71	84	-1	.3	-.1	.3	6.7	103	23.5	120	95	49	7	0	1	0
BEAUMONT	91	75	93	72	83	0	.5	-.6	.5	17.4	134	37.1	110	97	61	6	0	1	1
BROWNSVILLE	89	76	91	75	82	-3	4.1	3.6	1.9	5.5	102	14.0	108	99	69	4	0	4	3
CORPUS CHRISTI	91	78	94	76	85	0	3.3	2.6	1.9	6.8	100	17.7	108	90	50	2	0	5	2
DEL RIO	98	77	100	75	87	4	.0	-.6	.0	2.2	39	8.2	55	86	43	7	0	0	0
EL PASO	99	72	100	69	86	5	.7	-.4	.7	2.1	73	3.7	83	50	21	7	0	0	0
FORT WORTH	94	75	96	72	85	1	.0	-.4	.0	6.7	108	30.3	135	88	48	7	0	0	0
GALVESTON	90	83	91	83	87	3	.4	-.5	.2	.6	6	10.4	44	75	63	5	0	3	0
HOUSTON	93	76	94	73	84	1	.3	-.5	.1	8.5	71	27.5	88	96	56	6	0	3	0
LUBBOCK	95	68	96	65	82	3	.0	-.6	.0	4.4	73	8.6	76	74	29	7	0	0	0
MIDLAND	95	70	96	67	82	1	.0	-.4	.0	3.8	104	8.3	102	77	31	7	0	0	0
SAN ANGELO	95	70	96	63	83	0	.0	-.4	.0	3.9	100	15.2	133	80	33	7	0	0	0
SAN ANTONIO	96	74	98	70	85	-1	.2	-.3	.2	5.9	85	14.3	77	90	38	6	0	2	0
VICTORIA	93	76	97	73	84	1	1.2	.4	.8	6.1	61	18.7	73	95	46	6	0	3	1
WACO	94	74	95	70	84	-2	1.1	.7	1.1	5.2	89	25.8	131	93	50	7	0	1	1
WICHITA FALLS	94	73	95	70	84	0	.0	-.5	.0	9.9	154	19.8	102	87	49	7	0	0	0
UT CEDAR CITY	92	63	95	56	77	4	.2	-.1	.2	1.8	86	8.0	116	47	20	6	0	1	0
SALT LAKE CITY	94	65	101	52	80	2	.1	-.1	.1	1.9	91	12.9	126	68	18	6	0	1	0
VT BURLINGTON	83	58	87	53	71	1	2.0	1.1	1.4	8.8	101	17.3	85	96	46	0	0	3	1
VA NORFOLK	85	72	96	69	78	0	1.2	-.1	.6	7.5	69	20.9	73	88	61	2	0	3	1
RICHMOND	85	66	96	61	76	-2	2.2	1.1	1.2	6.9	66	20.5	75	93	41	2	0	3	2
ROANOKE	82	67	93	64	75	-1	.2	-.7	.2	12.9	147	28.7	114	88	59	2	0	3	0
WA QUILLAYUTE	62	53	71	48	57	-2	4.7	4.1	3.2	9.6	146	51.8	89	97	76	0	0	4	1
SEATTLE-TACOMA	68	54	76	50	61	-5	.5	-.2	.4	3.3	123	19.7	100	91	54	0	0	4	0
SPOKANE	73	51	80	45	62	-8	.3	-.1	.2	3.5	159	14.0	143	81	34	0	0	2	0
YAKIMA	75	49	82	43	62	-8	.1	-.0	.1	1.5	178	6.0	135	77	37	0	0	1	0
WV BECKLEY	77	62	84	59	70	0	2.2	1.4	1.9	10.5	105	28.1	105	95	67	0	0	3	1
CHARLESTON	84	67	88	64	75	1	4.5	3.5	1.9	13.4	130	33.9	125	98	66	0	0	5	3
HUNTINGTON	86	69	91	67	78	4	1.0	-.0	.6	10.9	106	30.3	110	97	63	1	0	5	1
PARKERSBURG	85	67	91	63	76	2	2.0	1.0	1.3	...	...	...	...	...	...	...	...	...	...
WI GREEN BAY	84	69	88	65	77	8	3.7	2.9	1.6	7.0	89	15.0	87	96	69	0	0	4	3
LACROSSE	88	72	93	68	80	8	...	...	...	...	...	...	...	...	...	...	...	...	...
MADISON	90	70	99	63	80	9	.1	-.8	.0	6.0	66	18.4	93	91	60	4	0	0	0
MILWAUKEE	84	71	91	68	78	7	.7	-.1	.6	4.5	55	15.8	79	94	60	3	0	3	0
WAUSAU	80	68	85	65	75	6	2.5	1.5	.8	11.4	119	17.7	90	96	71	2	0	2	1
WY CASPER	94	53	100	41	73	3	.7	-.1	.7	4.1	136	14.4	163	77	12	6	0	1	0
CHRYSTIE	92	59	95	52	75	7	.6	-.2	.5	6.2	128	15.1	145	75	17	6	0	3	0
LANDER	89	56	94	47	73	2	.7	-.1	.7	3.9	158	14.8	163	50	13	4	0	0	0
SHERIDAN	90	53	103	40	72	2	.7	-.2	.7	4.5	133	12.3	125	74	24	4	0	1	0
PR SAN JUAN	92	80	94	78	86	3	.3	-.9	.1	10.8	104	31.6	116	85	61	7	0	4	0

Based on 1961-90 normals.

# July Weather in Historical Perspective

The Nation's average precipitation of 2.18 inches (80 percent of normal) was the eighth-lowest July value on record, and the lowest since 1983 (fig. 1). As a result, long-term moisture conditions shifted slightly, with a jump to 4.9 percent of the Nation experiencing severe to extreme drought (fig. 2). Highlighting the dryness was record-low July precipitation in the Southwest and a near-record value in the Southeast (table 1). Only a handful of Northern and Central States received above-normal rainfall, paced by North Dakota (second-wettest July); complete preliminary State

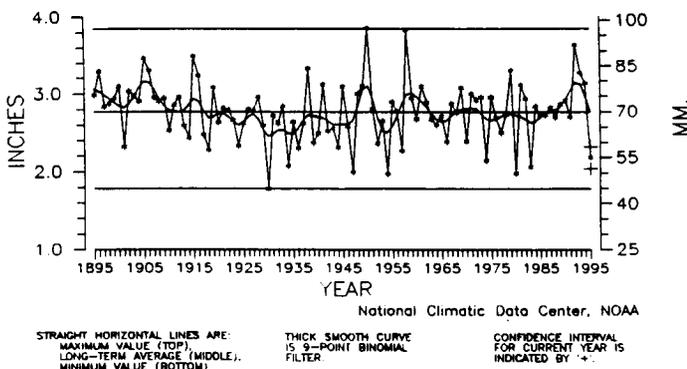
rankings of temperature and precipitation, which should be used with caution, appear in figure 3.

The Nation's average temperature of 74.1°F was 0.2°F above normal, making July the 50th hottest (52nd coolest) July during the 101-year period of record (fig. 4). Temperatures ranged from well below normal in the interior West to near-record values in parts of the East.

--Brad Rippey

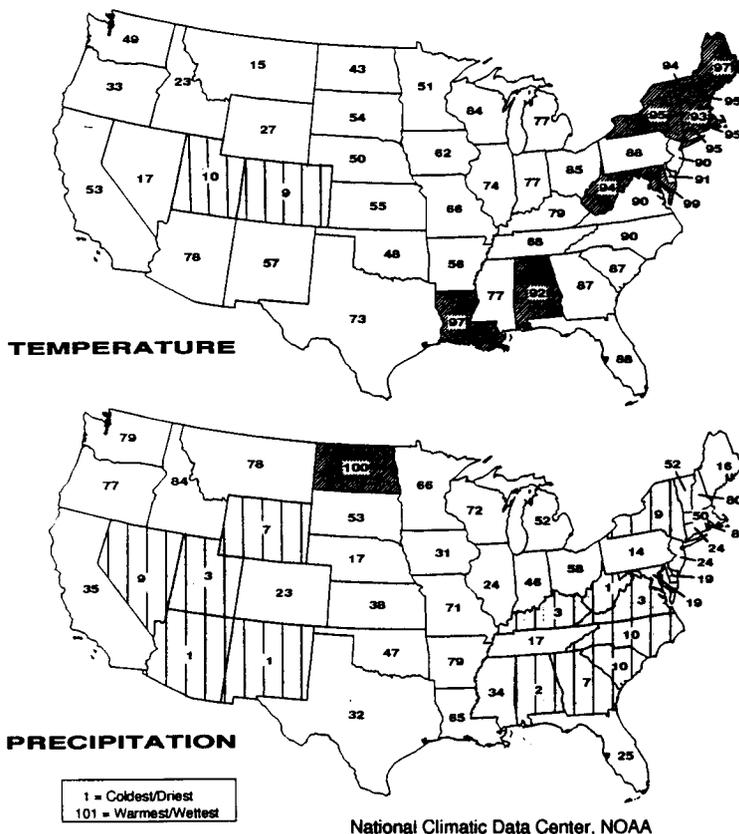
**Figure 1**

U.S. NATIONAL PRECIPITATION  
JULY, 1895-1995



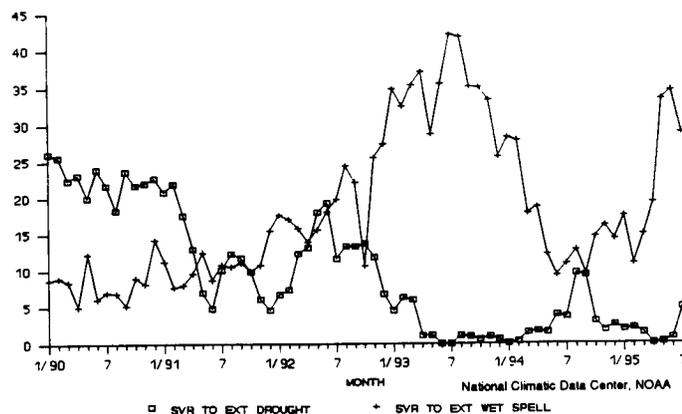
**Figure 3**

JULY 1995 STATEWIDE RANKS



**Figure 2**

U.S. PERCENT AREA DRY AND WET  
JANUARY 1990 THROUGH JULY 1995



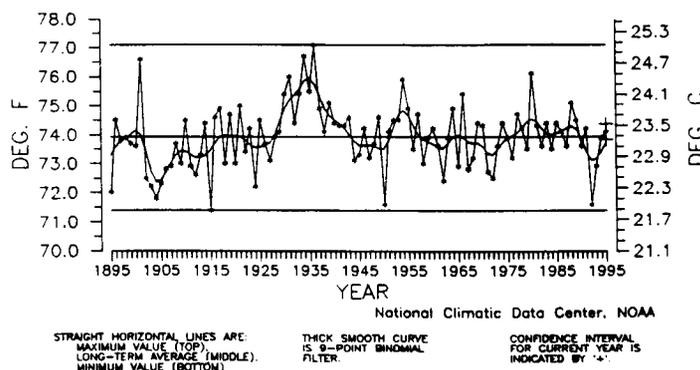
Temperature and Precipitation Ranks for the contiguous United States. Each state is ranked based on its data from 1895-1995. States having a rank of top ten coldest or driest (rank 1-10) or top ten warmest or wettest (rank 92-101) are shaded.

**Table 1. Temperature/Precipitation Rankings for July 1995**  
Based on the Period 1895-1995  
1 = Driest/Colest, 101 = Wettest/Hottest

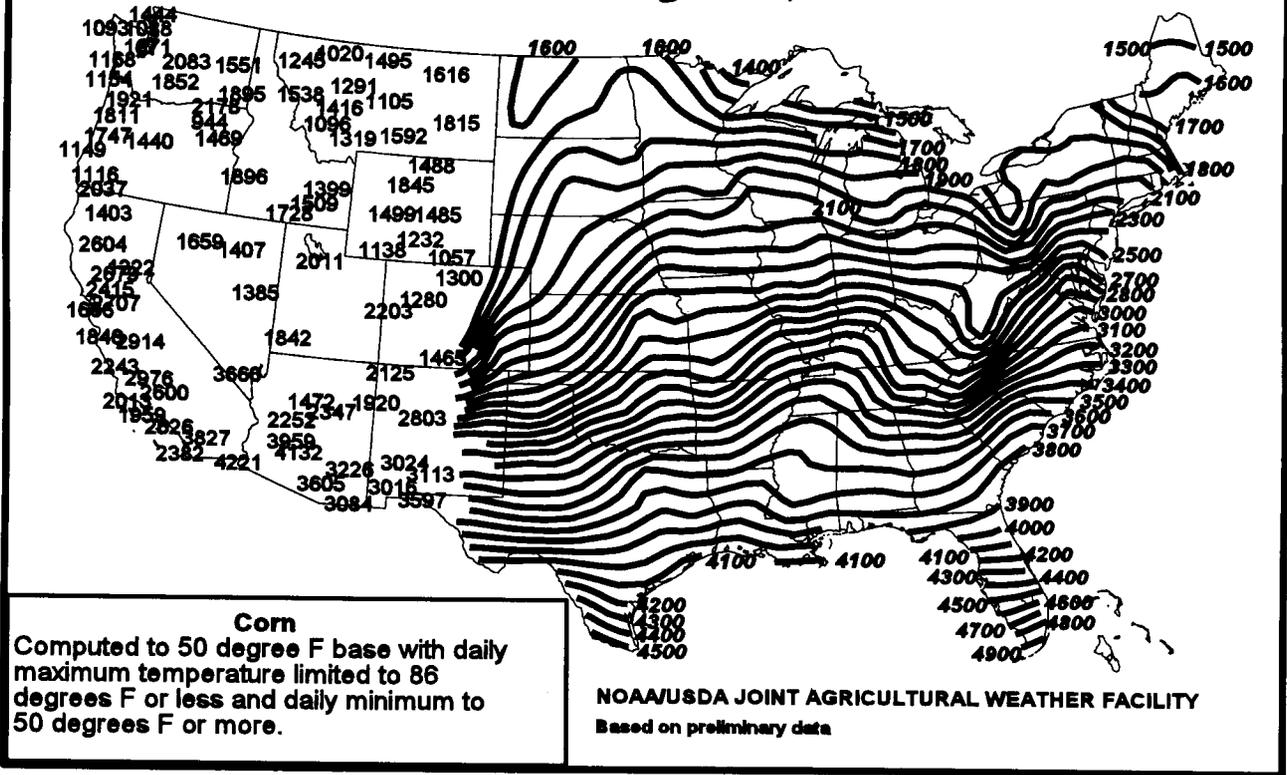
Region	Precipitation	Temperature
Northeast	11	94
East North Central	52	67
Central	22	76
Southeast	2	92
West North Central	71	27
South	38	65
Southwest	1	29
Northwest	83	29
West	11	33
National	8	52

**Figure 4**

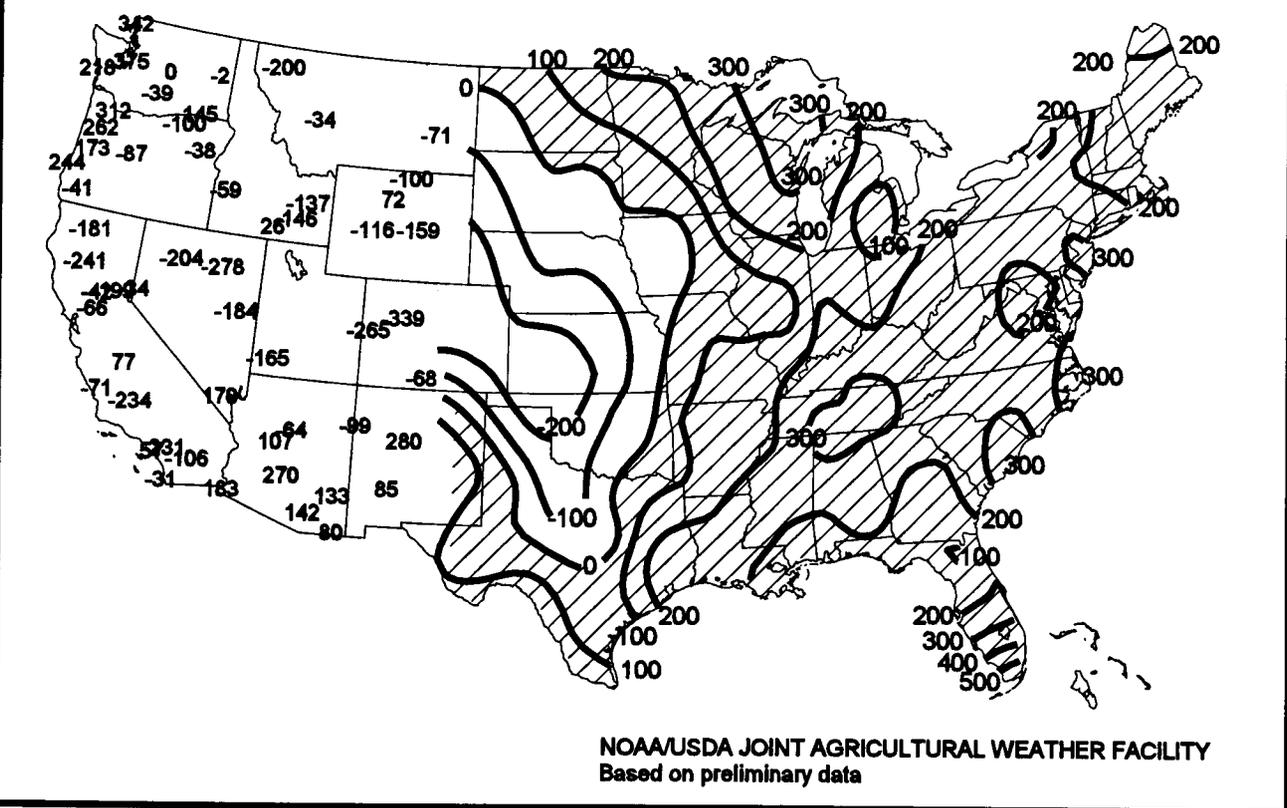
U.S. NATIONAL TEMPERATURE  
JULY, 1895-1995



### Total Growing Degree Days March 1 - August 12, 1995



### Growing Degree Days Departure from Normal March 1 - August 12, 1995



## National Agricultural Summary

### HIGHLIGHTS for August 7 - 13, 1995

Frequent showers across the Midwest and Southeastern States canceled the effects of the late-week heat and helped maintain crop conditions. In the Corn Belt, scattered showers reduced stress for late-planted crops on sandy soil affected by last week's hot weather. Crops in Iowa showed signs of stress due to continued hot, dry weather but were revived by later week rains. Soil moisture across the Midwest was restored by the rains, and crops benefited from much-needed rains across the Southeast, but more rain was needed, especially in the western States. Cool, wet weather in the Pacific Northwest slowed small grain harvest acti-

vity. Low temperatures in the Rockies brought frost to parts of eastern Idaho, where the extent of the crop damage was unknown. Warm weather pushed crop development in North Dakota, but progress remained behind normal. Grasshoppers were reported in the upper Great Plains, with some producers resorting to border spraying as a control measure. Insect pressure increased in the Southeastern States and Delta cotton fields despite control measures. Dry pastures turned green by recent rains, but improvement and regrowth was slow, forcing producers to start supplemental feeding.

The **winter wheat** crop in the 19 major producing States was 91 percent (%) harvested, 2 percentage points behind the 5-year average. Rainy weather slowed the wheat harvest in the Pacific Northwest. The wheat harvest advanced by 13 points in Oregon and Washington from last week to 79 and 53% complete, respectively. The wheat harvest was completed in the Great Lakes region despite the rainy weather.

**Spring wheat** condition was rated as good to fair with 15% of the acreage harvested, 13 points behind normal. Spring wheat harvest approached the half-way mark in South Dakota at 48% complete, up 38 points from last week, 10 points behind normal.

**Corn** condition for the 17 major producing States was in mostly good to fair condition, improved slightly from last week as a result of the timely rains. Corn development made good progress in the Midwest due to adequate soil moisture, but some areas of southern Illinois and Missouri were still 2 weeks to a month behind normal. The rain sustained the latest planted corn that was in the pollination stage. Corn silking at 94% complete was up 13 points from last week and was on schedule. Missouri corn silking at 75% complete was up from last week and behind the average by 19 points. The hot, humid weather stressed some corn plants in Iowa, where leaves were curling and some corn was firing. Twenty-seven percent of the acreage had reached the doughing stage, 17 points behind the average. Corn doughing was behind the average by 51 points in Kansas.

**Cotton** setting bolls was 90% complete, up 8 points from last week and 2 points ahead of the average for the Nation. Cotton condition improved in Texas from a week ago but declined across the Southeastern States due to hot, dry weather and increased insect problems. Cotton fields in the Delta and Southeast were sprayed for insects, while budworm pressure was increasing in Alabama with control efforts reported as erratic. Beet army worm infestation in Georgia was increasing with some indication that the outbreak was one of the worst ever. Cotton bolls opening was

11% complete, 2 points ahead of normal for the 14 major producing States. Bolls opening in Georgia at 17% was up from last week and ahead of the average by 12 points.

**Sorghum** condition slightly improved with 49% of the sorghum acres headed, 18 points behind normal. Sorghum headed in Illinois was 53 points behind the average, while Nebraska was 44 points behind normal. Slightly over one-fourth of the sorghum acreage was turning color. Sorghum coloring in Illinois was 16 points behind the average. Sorghum condition improved in Mississippi and Nebraska, while army worms were reported in Arkansas.

**Rice** condition was mostly good with 75% of the crop headed, 11 points ahead of the average. Rice fields in California were sprayed for watergrass, weevils, and mosquitos. Rice producers in Arkansas were applying mid-season fertilizers, fungicides, and insecticides. Rice headed in Arkansas was 79% complete, up from last week by 20 points and ahead of the average by 24 points, while rice headed in California at 20% complete was 18 points behind the average. Rains slowed the rice harvest in Louisiana, where 33% of the rice was harvested, 1 point behind the average.

**Soybean** condition was mostly good to fair with 87% of the crop blooming, 1 point behind the average. Soybean blooming was 23 points behind the average in Kansas and Missouri. Beneficial rains in the Central States improved soybean condition. Soybeans setting pods was 54% complete, up 19 points from last week but 9 points behind the average. Soybeans setting pods were ahead of the average in Mississippi and behind the average in Nebraska by 26 points. The setting of soybean pods in Indiana at just over half complete was behind the average by 4 days, while soybean development in Missouri was 2 weeks behind normal. Soybean acreage setting pods in Kansas and Missouri was over 35 points behind the average. Soybean producers in the Delta Southeast were scouting fields for worms and spraying soybean fields for insects.

# Crop Progress and Condition

Week Ending August 13, 1995

Soybeans Percent Blooming				
	Aug 13 1995	Prev Week	Prev Year	5-Yr Avg
AL	77	65	71	68
AR	77	61	78	65
GA	83	75	86	81
IL	88	76	95	93
IN	94	85	99	97
IA	97	90	100	94
KS	64	48	96	87
KY	72	57	79	76
LA	96	90	94	85
MI	99	95	89	91
MN	99	96	100	99
MS	94	86	93	77
MO	57	33	90	80
NE	91	72	100	95
NC	60	49	63	60
OH	100	95	100	95
SC	63	53	63	65
SD	85	73	96	84
TN	80	60	78	69
ALL	87	76	94	88

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

Soybeans Percent Setting Pods				
	Aug 13 1995	Prev Week	Prev Year	5-Yr Avg
AL	52	39	49	43
AR	44	23	56	37
GA	55	40	62	54
IL	44	21	85	74
IN	56	34	84	70
IA	76	55	97	76
KS	20	6	73	59
KY	36	23	41	35
LA	79	66	73	63
MI	72	52	59	49
MN	83	58	95	72
MS	76	54	69	50
MO	16	5	63	52
NE	38	16	95	64
NC	29	21	39	34
OH	73	56	70	74
SC	33	28	28	30
SD	44	23	85	64
TN	46	32	40	34
ALL	54	35	78	63

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

Corn Percent Silking				
	Aug 13 1995	Prev Week	Prev Year	5-Yr Avg
CO	65	34	89	82
GA	100	100	100	100
IL	97	88	100	98
IN	98	87	100	98
IA	96	85	100	93
KS	90	73	100	99
KY	96	93	100	99
MI	92	86	89	88
MN	96	85	100	99
MO	75	56	100	94
NE	95	67	100	96
NC	100	97	100	100
OH	97	84	100	97
PA	87	81	87	80
SD	75	52	98	81
TX	100	98	99	99
WI	95	86	93	80
ALL	94	81	99	94

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

Corn Percent Dough				
	Aug 13 1995	Prev Week	Prev Year	5-Yr Avg
CO	1	0	36	25
GA	100	100	100	100
IL	41	19	74	65
IN	44	22	63	58
IA	8	0	46	27
KS	19	13	81	70
KY	75	55	81	72
MI	6	1	9	9
MN	11	0	22	18
MO	34	21	78	67
NE	6	0	81	49
NC	94	88	88	85
OH	55	20	54	51
PA	45	20	26	24
SD	3	0	44	28
TX	90	81	89	87
WI	30	12	30	22
ALL	27	14	57	44

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

Cotton Percent Setting Bolls				
	Aug 13 1995	Prev Week	Prev Year	5-Yr Avg
AL	99	98	89	94
AZ	98	95	100	100
AR	100	96	99	99
CA	95	85	98	98
GA	98	98	100	99
LA	100	100	99	97
MS	100	100	100	95
MO	99	96	99	98
NM	90	*78	93	91
NC	92	85	89	88
OK	68	55	90	79
SC	91	84	95	95
TN	100	98	100	99
TX	80	65	88	76
ALL	90	82	94	88

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

Cotton Percent Bolls Opening				
	Aug 13 1995	Prev Week	Prev Year	5-Yr Avg
AL	3	1	2	4
AZ	26	13	43	31
AR	3	0	1	1
CA	3	1	5	4
GA	17	5	2	5
LA	19	3	4	6
MS	6	1	5	3
MO	0	0	2	1
NM	0	0	3	3
NC	3	0	6	3
OK	0	0	2	2
SC	1	0	1	2
TN	0	0	0	2
TX	17	15	16	15
ALL	11	7	9	9

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

# Crop Progress and Condition

Week Ending August 13, 1995

Sorghum Percent Headed				
	May 14 1995	Prev Week	Prev Year	5-Yr Avg
AR	96	88	94	84
CO	33	7	54	41
IL	17	7	84	70
KS	23	10	82	53
LA	96	95	98	94
MS	98	92	100	91
MO	49	35	88	72
NE	22	7	95	66
NM	30	15	43	56
OK	41	28	71	56
SD	48	12	75	47
TX	91	87	90	86
ALL	49	38	85	67

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

Sorghum Percent Coloring				
	May 14 1995	Prev Week	Prev Year	5-Yr Avg
AR	35	20	61	44
CO	0	0	3	4
IL	0	0	18	16
KS	0	0	14	8
LA	70	59	71	69
MS	67	44	71	59
MO	11	5	32	24
NE	0	0	8	5
NM	0	0	0	4
OK	8	5	22	16
SD	5	0	8	6
TX	76	74	71	69
ALL	26	24	33	29

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

Spring Wheat Percent Harvested				
	May 14 1995	Prev Week	Prev Year	5-Yr Avg
ID	6	1	43	28
MN	32	19	31	37
MT	4	0	23	13
ND	8	3	16	24
SD	48	10	77	58
ALL	15	5	27	28

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

Rice Percent Headed				
	May 14 1995	Prev Week	Prev Year	5-Yr Avg
AR	79	59	84	55
CA	20	3	49	38
LA	89	88	87	84
MS	90	80	92	71
TX	95	89	99	92
ALL	75	62	82	64

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

Rice Percent Harvested				
	May 14 1995	Prev Week	Prev Year	5-Yr Avg
AR	0	0	0	1
CA	0	0	0	0
LA	33	32	34	34
MS	0	0	0	0
TX	25	11	33	29
ALL	9	7	10	10

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

Winter Wheat Percent Harvested				
	May 14 1995	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	100
CA	99	99	99	99
CO	98	96	100	97
GA	100	100	100	100
ID	25	14	74	47
IL	100	100	100	100
IN	100	100	100	100
KS	100	100	100	100
MI	100	98	98	96
MO	100	100	100	99
MT	16	2	78	42
NE	99	97	100	99
NC	100	98	100	100
OH	100	100	100	100
OK	100	100	100	100
OR	79	66	89	76
SD	99	94	100	89
TX	100	100	100	100
WA	53	40	90	68
ALL	91	88	98	93

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

Soybeans Crop Condition by Percent					
State	VP	F	F	G	EX
AL	1	14	47	37	1
AR	1	5	24	56	14
GA	0	3	49	43	5
IL	1	7	32	51	9
IN	1	4	29	55	11
IA	2	6	26	51	15
KS	0	4	29	63	4
KY	1	3	24	54	18
LA	0	10	25	62	3
MI	1	5	19	48	27
MN	1	8	27	49	15
MS	3	7	24	51	15
MO	1	16	40	38	5
NE	5	20	41	33	1
NC	0	4	34	54	8
OH	2	9	24	50	15
SC	0	4	35	61	0
SD	2	5	28	53	12
TN	0	1	23	52	24
ALL	1	8	29	51	11
Prev Wk	1	8	32	49	10
Prev Yr	0	2	19	65	14

Spring Wheat Crop Condition by Percent					
State	VP	F	F	G	EX
ID	0	0	9	69	22
MN	2	15	45	38	0
MT	2	2	15	51	30
ND	3	9	29	55	4
SD	5	4	35	51	5
ALL	3	8	29	51	9
Prev Wk	2	7	32	51	8
Prev Yr	2	6	31	53	8

Rice Crop Condition by Percent					
State	VP	F	F	G	EX
AR	0	3	17	61	19
CA	0	0	25	75	0
LA	0	2	22	72	4
MS	0	5	28	54	13
TX	0	0	6	45	49
ALL	0	2	19	63	16
Prev Wk	0	2	19	62	17
Prev Yr	0	0	16	78	6

## Crop Progress and Condition

Week Ending August 13, 1995

### Corn Crop Condition by Percent

State	VP	P	F	G	EX
CO	1	3	26	61	9
GA	1	6	42	48	3
IL	1	7	32	52	8
IN	1	5	31	52	11
IA	1	6	21	54	18
KS	1	3	24	64	8
KY	1	5	24	53	17
MI	1	3	17	52	27
MN	1	3	22	54	20
MO	1	11	44	39	5
NE	3	11	36	46	4
NC	1	3	11	60	25
OH	1	7	24	49	19
PA	2	7	17	52	22
SD	2	4	34	51	9
TX	0	2	18	52	28
WI	1	2	19	58	20
ALL	1	6	27	52	14
Prev Wk	1	7	28	51	13
Prev Yr	1	2	14	59	24

### Cotton Crop Condition by Percent

State	VP	P	F	G	EX
AL	5	33	43	18	1
AZ	1	32	30	22	15
AR	0	3	24	48	25
CA	0	0	10	80	10
GA	0	5	63	32	0
LA	0	3	18	67	12
MS	3	8	24	55	10
MO	3	5	25	45	22
NM	0	1	26	66	7
NC	2	4	27	61	6
OK	1	4	33	62	0
SC	0	1	56	43	0
TN	0	0	18	59	23
TX	1	8	38	43	10
ALL	1	7	32	49	11
Prev Wk	5	8	31	45	11
Prev Yr	0	3	35	54	8

### Sorghum Crop Condition by Percent

State	VP	P	F	G	EX
AR	0	4	23	61	12
CO	0	2	19	76	3
IL	2	14	27	55	2
KS	0	2	22	68	8
LA	0	7	25	64	4
MS	1	4	16	59	20
MO	1	7	38	43	11
NE	1	7	53	37	2
NM	18	39	19	23	1
OK	0	2	10	87	1
SD	0	9	47	42	2
TX	1	6	23	53	17
ALL	1	6	28	56	9
Prev Wk	2	5	30	53	10
Prev Yr	0	2	34	56	8

VP - Very Poor

P - Poor

F - Fair

G - Good

EX - Excellent

## U.S. Crop Production Highlights

*The following information was released by USDA's Agricultural Statistics Board on August 11, 1995. Forecasts refer to August 1, 1995.*

**Corn** production is forecast at 8.12 billion bushels, down 20 percent from the record-high production of 1994. Based on August 1 conditions, yields are expected to average 125.6 bushels per acre, down 13.0 bushels from last year.

The first **soybean** production forecast of the 1995 crop is 2.25 billion bushels, down 12 percent from the record high of 1994 but up 20 percent from 1993. Yield is expected to be 36.4 bushels per acre, down 5.5 bushels from the record in 1994, but up 3.8 bushels from 1993.

All **cotton** production is forecast at a record-high 21.8 million bales, up 11 percent from last year. Yield is indicated at 663 pounds per acre, down from last year's

record-high yield of 708 pounds. Producers planted the largest acreage since 1956, 16.7 million acres, up 21 percent from 1994.

**Winter wheat** production is forecast at 1.55 billion bushels, up 1 percent from July but 7 percent less than the 1994 production. The yield forecast in 37.6 bushels per acre, up 0.6 bushels from last month.

**Spring wheat** (excluding durum) production is forecast at 561 million bushels, 3 percent more than last month but slightly lower than last year. Improved yield prospects in the Dakotas and the Pacific Northwest have yields at 34.4 bushels per acre, up 1.2 bushels from last month's forecast.

## State Summaries of Weather and Agriculture

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

**ALABAMA:** Rainfall none to 3.76 in. north; none to 4.64 in. central; none to 1.72 in. south. Temperatures normal to 5° above normal statewide. Lows 62 to 71° north, 65 to 71° central; 65 to 73° south. Highs 94 to 100° north, 94 to 103° central; 92 to 96° south.

Days suitable for fieldwork 4.9. Topsoil 5% very short, 27% short, 64% adequate, 4% surplus. Corn dented 96%, 84% 1994, 87% avg.; mature 69%, 46% 1994, 55% avg.; harvested 17%, 12% 1994, 21% avg.; 4% very poor, 17% poor, 52% fair, 24% good, 3% excellent. Sorghum turning color 22%, 22% 1994, 24% avg.; harvested 2%, 3% 1994, 6% avg.; 4% very poor, 17% poor, 28% fair, 46% good, 5% excellent. Peanuts pegged 99%, 95% 1994, 98% avg.; 3% poor, 38% fair, 54% good, 5% excellent. Livestock 1% very poor, 7% poor, 28% fair, 58% good, 6% excellent. Activities: Harvesting corn, vegetables. Cultivating, spraying crops. General care of livestock, poultry, catfish

**ALASKA:** Tanana, Matanuska Valleys enjoyed partly sunny skies last week, while the Kenai was again receiving showers.

Days available for farm work 5. Soil moisture 15% short, 85% adequate. First crop hay harvest was 90% complete, compared to 100% 1994. Barley 100% turning color, with 85% ripe, 5% swathed; 1994 25% ripe, swathing had just begun. Oats 100% turning color or earlier with 30% ripe.

**ARIZONA:** Temperatures 4 to 8° above normal. Extremes 49°; 103° higher elevations; 68°; 120° deserts. Widespread precipitation, all station except Gila Bend, Parker, Phoenix, Yuma; 0.01 to 2.07 in.

Monsoons hit State; some weather related damage to cotton. Alfalfa 30% fair, 51% good, 19% excellent; harvest 40% light, 19% moderate, 37% active, 4% between cuttings. Cantaloupe, honeydew, watermelon, chili peppers, carrots, green onions, cabbage harvest continued central areas. Tomatoes available eastern growers. Lemon harvest continues western areas. Apple harvest progressed eastern areas.

**ARKANSAS:** Temperatures above normal with hot, dry conditions in most of the region. Extremes 66°; 105°. Precipitation none to 2.32 in.

Days suitable for fieldwork 6. Soil 69% short, 28% adequate, 3% surplus. Main farm activities: Applying mid-season fertilizers, fungicides, insecticides, scouting rice, irrigating crops, harvesting hay. Faulkner county reported armyworm control in pastures, drought conditions have stressed at least 50% of cropland acreage. Hot, dry weather conditions were stressing soybeans in Lafayette county. Rice fields were unable to be fully irrigated due to hot, dry, windy conditions in Lafayette county. Several counties reported drainage of fields underway for rice harvest. Armyworms were reported in sorghum field in Phillips county. Grape, peach, watermelon harvest continued. Heat stress caused a high death rate for poultry in Marion, Little River counties. Little River county also reported drought caused some producers to sell calves. Some cattle were poisoned from grazing noxious weeds because of grass loss from drought in Nevada county.

**CALIFORNIA:** High pressure kept temperatures near normal. Light precipitation, northern areas. Field activities, good progress. Cotton, rice were growing well, although development remained behind normal. Straw baled from small grain stubble. Ground preparation underway, fall-planted wheat, barley. Rice sprayed for watergrass, weevils, mosquitoes. Cotton treated for aphids, lygus, mites, San Joaquin Valley. Desert area fields sprayed for pink bollworm,

whitefly. Corn, dry beans, grain sorghum treated for aphids, mites. Corn silage harvest gained momentum, Tulare County. Over-wintered sugarbeets harvested, central, northern counties. New crop fields sprayed for worms. Safflower harvest underway, few early fields. Alfalfa, oats, sudangrass cut for hay, greenchopped. Some alfalfa treated for armyworms. Grape growers irrigated vineyards, treated to control insects, mites, fungus. Harvest table grapes active, Fresno, Tulare, Kern counties; very good quality reported. Nectarine, peach, plum harvest continued, central, southern regions. Field activities, irrigation, weed control, ground leveling, limb propping, summer pruning harvested orchards. Apple orchards sprayed for codling moth, mites. Gravenstein apple harvest nearly complete, Sonoma County; Galas harvested, San Joaquin Valley. Heat caused fruit growth to slow, some sunburn, apples. Bartlett pear picking continued, Sacramento area; Asian, Red pears picked, Fresno County. Harvest fresh prunes began, Fresno; continued, Sutter County. Almond harvest underway, San Joaquin, Sacramento valleys. Walnut orchards sprayed to control codling moth. Olives sizing nicely due to light crop. Avocados developed normally. Valencia orange, grapefruit, lemon harvests continued. Navel oranges treated for red scale. Some citrus sunburn noted, recent hot weather. Broccoli, cauliflower harvest continued, Monterey, San Luis Obispo counties. Carrots harvested, Kern County. Harvest celery continued, Monterey, Ventura, San Luis Obispo counties. Garlic harvest continued, Kern, San Benito counties. Lettuce fields, Monterey, San Luis Obispo counties harvested. Melons picked, Sacramento, San Joaquin, desert valleys. Onions harvested, San Joaquin Valley. Bell peppers harvested, desert areas, San Joaquin Valley. Spring potato harvest, Kern County, nearly over. Fall potatoes, Tulalake-Butte Valley area, progressed well. Sweet corn harvested, Sacramento, San Joaquin valleys, desert areas. Sweet potatoes, Merced County treated for worms. Harvest fresh market tomatoes continued, Sacramento, San Joaquin valleys. Harvest processing tomatoes accelerated, San Joaquin Valley. Other crops harvested: Oriental vegetables, cherry tomatoes, eggplant, gourds, green beans, green onions, okra, radishes, peas, squash, spinach, tomatillos, turnips, zucchini. Dryland ranges, pastures very dry, lower elevations. Extreme fire hazard conditions. Mountain pastures, good condition. Water, feed supplies adequate. Light supplemental feeding continued. Sheep grazed wheat stubble, some areas. Cattle, sheep, good condition.

**COLORADO:** Temperatures above normal statewide with several locations breaking record high temperatures, 100° mark was reached at many spots. Rainfall was sparse until the 11th when moisture moved in from the south. This produced some thunderstorms on the eastern plains with spotty amounts of 1.00 to 2.00 in. of rain.

Days suitable for fieldwork 6.6. Topsoil 16% very short 43% short, 39% adequate, 2% surplus. Subsoil 12% very short, 32% short 53% adequate, 3% surplus. Spring wheat 67% turning color, 98% 1994, 73% avg.; 30% harvested, 65% 1994, 30% avg.; 5% poor, 20% fair, 58% good, 17% excellent. Spring barley 77% turning color, 80% 1994, 89% avg.; 16% harvested, 45% 1994, 49% avg.; 7% poor, 20% fair, 56% good, 17% excellent. Oats 70% turning color, 99% 1994, 83% avg.; 35% harvested, 75% 1994, 60% avg.; 3% poor, 22% fair, 62% good, 13% excellent. Dry onions 2% harvested, 22% 1994, 16% avg.; 1% very poor, 4% poor, 9% fair, 56% good, 30% excellent. Sugarbeets 1% poor, 20% fair, 55% good, 24% excellent. Summer potatoes 6% harvested, 21% 1994, 19% avg.; 6% poor, 17% fair, 53% good, 24% excellent. Fall potatoes 20% fair, 58% good, 22% excellent. Dry beans 70% flowered, 91% 1994, 76% avg.; 1% very poor, 10% poor, 27% fair, 46% good, 16% excellent. Alfalfa 87% 2nd cutting, 80% 1994, 65% avg.; 1% 3rd cutting, 18% 1994, 8% avg.; 1% very poor, 6% poor, 21% fair, 58% good, 14% excellent. Livestock mostly good to excellent.

**FLORIDA:** Temperatures 1 to 3° above normal most locations. Lows: upper 60s interior north, south Peninsula, low 70s elsewhere. Highs: upper 90s central Peninsula, western Panhandle, mid 90s elsewhere. Rainfall 0.25 to 2.50 in. Most locations north, 1.00 to 3.00 in. central, south.

Soil moisture mostly adequate to surplus, some short supplies reported in a few central, southwestern localities. Frequent showers reducing northern hay quality. Corn picking active with producers abandoning some fields due to low yields caused by dry weather during tasseling in June, July. Tobacco harvesting nearing end. Peanut digging to get underway within next 7 days. Most soybeans look good with some low yield prospects in fields that did not get timely rainfall. Cotton, sugarcane in mostly good condition. Southwest, Palmetto-Ruskin growers began to plant tomatoes, transplantings off to a good start. East Coast producers transplanting, seeding pepper, planting eggplant. Northern growers continued sweet corn, tomato planting. Citrus very good to excellent. Abundant new growth, fresh fruit testing underway. Caretakers cutting cover crops, deep cultivating to move excess water, spraying, fertilizing. Cattle fair 5%, good 90%, excellent 5%.

**GEORGIA:** Scattered showers, thunderstorms early in week. Totals from locally 2.00 in. to less than 0.50 in. High pressure over State late in week, weekend resulting in excessive heat, humidity, very few thunderstorms. Maximum temperatures on 13th mid 90s over mountains, upper 90s to lower 100s elsewhere. Coolest temperatures low to mid 60s mountains to upper 70s to low 80s elsewhere. Temperatures 1 to 3° above normal.

Days suitable for fieldwork 5.4. Soil moisture 6% very short, 59% short, 34% adequate, 1% surplus. Scattered showers, mostly east, cooler temperatures helped maintain conditions. Hot weather late in week returned adding further stress. Corn harvest advancing rapidly. Cotton down some, beet armyworms, bollworms infestations heavy several areas. Dryland peanuts hurting badly, spotted tomato wilt virus a concern. Soybeans some improvement. Tobacco harvest, marketing active. Planting fall vegetables. Corn 99% dent, 98% 1994, 97% avg.; 96% mature, 96% 1994, 89% avg.; 32% harvested for grain, 21% 1994, 20% avg. Hay 1% very poor, 18% poor, 49% fair, 32% good. Peanuts 3% poor, 64% fair, 33% good. Sorghum 1% very poor, 7% poor, 61% fair, 31% good. Tobacco 7% poor, 63% fair, 30% good; 83% harvested, 86% 1994, 76% avg. Watermelons 98% harvested, 98% 1994, 97% avg. Vegetables 6% poor, 67% fair, 27% good. Apples 14% fair, 86% good; 14% harvested, 10% 1994, 20% avg. Peaches 100% harvested, 100% 1994, 97% avg. Pecans 2% poor, 87% fair, 11% good. Cattle 4% poor, 38% fair, 58% good. Hogs 4% poor, 29% fair, 67% good. Activities: Harvesting corn, tobacco, hay, spraying cotton for worms, spraying peanut fungicides, irrigating.

**HAWAII:** High pressure system anchored north of State caused moderate, sometimes gusty, trade winds. Moisture pockets in the trade wind flow brought showers to mostly windward, higher elevation locations. Temperatures warm, ranging from low 70s to low 90s. Rainfall none to 3.60 in.

Orchard crops in windward areas of all islands benefitted from occasional showers. Sugarcane, pineapple harvesting active. Irrigation remained heavy major vegetable-growing areas.

**IDAHO:** Temperatures 10° below normal to 1° above normal. Most areas were below normal. Much of the east experienced a frost. Extent of crop damage is not yet known. Precipitation none to 1.14 in. north, none to 0.02 in. southwest, none south central, none to 0.14 in. southeast. Extremes 33°; 103°.

Days suitable for fieldwork 6. Topsoil 3% very short, 27% short, 68% adequate, 2% surplus. Irrigation water supplies 1% fair, 43% good, 56% excellent. Alfalfa hay second cutting 67%, 86% 1994, 73% avg.; third cutting 8%, 9% 1994, 8% avg. Dry peas harvested 25%, 78% 1994, 59% avg. Mint first cutting 69%, 89% 1994, 76% avg. Oats harvested 8%, 53% 1994, 37% avg. Peaches harvested

56%, 59% 1994, 54% avg. Plums, prunes harvested 4%, 7% 1994, 11% avg. Potatoes closing middles 96%, 99% 1994, 96% avg.; turning 18%, 38% 1994, 30% avg.; vines dying/killed 5%, 8% 1994, 8% avg. Potato 3% poor, 14% fair, 70% good, 13% excellent. Spring barley turning color 88%, 97% 1994, 80% avg.; harvested 11%, 53% 1994, 31% avg.; 1% poor, 10% fair, 65% good, 24% excellent. Spring wheat turning color 87%, 96% 1994, 77% avg. Winter wheat harvested 25%, 74% 1994, 47% avg.; 1% poor, 10% fair, 67% good, 22% excellent. Activities: Irrigating, fertilizing, applying pesticides, harvesting winter wheat, spring wheat, barley, dry peas, fruit, cutting mint, cutting alfalfa.

**ILLINOIS:** Temperatures 4 to 10° above normal. Highs upper 80s to low 90s. Lows were generally around 70° or in the low 70s. Rainfall was quite variable 0.10 in. or less to 3.71 in. Iuka.

Days suitable for fieldwork 3.7. Topsoil 2% very short, 9% short, 74% adequate, 15% surplus. Development of corn, soybeans continued to make very good progress with the hot, humid weather along with adequate rains in most areas. Most crops are still behind normal, have made some much needed catching up. Crops in the southern part of the State are still as much as a month behind normal. Latest planted corn was in the pollination stage, greatly benefitted from last weeks rain. There have been some pollination problems as the result of the frequent extreme heat since early July. Appearance of crops has improved with the recent rains as have the conditions. Corn 6% dented, 19% 1994, 23% avg. Oats 93% harvested, 99% 1994, 94% avg. Alfalfa 96% second cutting, 100% 1994, 97% avg.; 21% third cutting, 56% 1994, 38% avg.; 1% very poor, 3% poor, 21% fair, 64% good, 11% excellent

**INDIANA:** Heat, humidity came to dominate the weather across the State during the week, being most intense 11th, over the weekend. High temperatures reached the 90s statewide those three days. A front early in the week helped funnel moisture from the remnants of Tropical Storm Dean in Texas into the Midwest with thunderstorms, locally heavy rain about midweek. For many locations, that was the extent of the rain. Week averaged 4 to 10° above normal with average high temperatures mostly in the upper 80s to lower 90s. Low temperatures were mainly around 70° or the in the low 70s. Rainfall was quite variable with amounts ranging from 0.10 in. over much of the north to more than 2.50 in. at Indianapolis, Butlerville.

Days suitable for fieldwork 3.3. Topsoil 3% very short, 12% short, 62% adequate, 23% surplus. Subsoil 4% very short, 13% short, 70% adequate, 13% surplus. Alfalfa third cutting underway. Cutting of mint continues. Activities: Baling hay; spraying; mowing fence rows, set aside ground; equipment maintenance.

**IOWA:** Hot, humid. Temperatures 8 to 9° above normal. Extremes 60° 8th; 99° 14th both at Sioux City. Rainfall most widely spread at midweek with locally heavy rain northwest late 13th. Rain totals none parts of east central to 4.53 in. Alton in northwest: State average 0.85 in., normal 0.90 in.

Days suitable for fieldwork 5.3. Topsoil short 32%, adequate 62%, surplus 6%. Subsoil short 16%, adequate 79%, surplus 5%. Crops are showing signs of stress due to last week's hot, dry weather. Leaves are curling, some corn is firing. Crops on light, sandy soils, late-planted crops are being affected most by the lack of moisture; however, scattered rains falling across State last week have relieved isolated areas of crops suffering from the hot, dry weather. Several reports stated that crops, in general, are looking good. Corn tasseling 98%, 100% 1994, 97% avg.; in or past milk stage 58%, 89% 1994, 63% avg. Oats harvested 95%, 100% 1994, 95% avg. All hay 1% very poor, 10% poor, 34% fair, 44% good, 11% excellent; alfalfa hay second cutting 91%, 100% 1994, 91% avg.; third cutting 7%, 20% 1994, 11% avg. Clover hay second cutting 64%, 81% 1994, 69% avg. Heat, humidity are once again causing stress on livestock with some death loss reported last week. Flies, pinkeye continue to be a problem for livestock. Hot, dry weather has also stressed State pastures; consequently, some producers are supplementing livestock with hay.

**KANSAS:** Temperature 5° above normal over the northern two-thirds of the State and 2° above normal in the southern districts. Precipitation was light across most of the State except in the central third where rain averaged almost an inch.

Days suitable for fieldwork 5.8. Soil moisture is short in many areas. Topsoil 4% very short, 38% short, 53% adequate, 5% surplus. Subsurface 1% very short, 17% short, 75% adequate, 7% surplus. Fall crops remain behind normal progress. Hot, humid weather, little rain are stressing crops, livestock. Alfalfa cut the third time 70%, 89% 1994, 68% avg. Cut the fourth time 5%, 14% 1994, 9% avg.

**KENTUCKY:** Most rainfall occurred first half week while latter half was drier. Rain received in scattered thunderstorms, some very heavy. Rainfall 0.25 to 0.50 in. above normal in central, east, deficits 0.50 in. greater over west. Parts southeast also shy normal precipitation. Temperatures warm side with maximum temperature readings 2 to 5° above normal, minimums 4 to 6° above Statewide.

Days suitable fieldwork 3.4. Topsoil 3% very short, 13% short, 63% adequate, 21% surplus. Subsoil short to mostly adequate. Rain revived corn, soybeans, tobacco, hay improved yield prospects. Tobacco 1% very poor, 10% poor, 42% fair, 41% good, 6% excellent. Burley 59% topped or beyond, 8% cut. Early set, blue mold and/or black shank damaged tobacco being cut. Farmers anticipate increased blue mold activity with rain received. Dark tobacco 24% cut. Rain helped future hay crops, pasture.

**LOUISIANA:** Temperatures 3° below normal to normal. Extremes 66°; 100° Rainfall 0.05 in. northwest to 1.03 southwest in.

Days suitable for fieldwork 5.3. Soil moisture 1% very short, 22% short, 64% adequate, 13% surplus. Corn 2% very poor, 14% poor, 52% fair, 30% good, 2% excellent; 96% mature, 90% 1994, 90% avg.; 18% harvested, 26% 1994, 30% avg. Corn harvest continued to be hindered by showers. Cotton insect pressure on cotton continued to increase. Hay 64% second cutting, 31% 1994, 31% avg. Hay baling was active due to drier conditions. Peaches 95% harvested, 96% 1994, 95% avg. Rice 48% ripe, 42% 1994, 46% avg.; harvest continued to be hindered by showers. Sorghum 34% ripe, 32% 1994, 34% avg.; 3% harvested, 7% 1994, 8% avg.; producers were preparing for harvest. Soybeans 4% coloring, 1% 1994, 1% avg.; producers were busy scouting fields for worms. Sugarcane 3% poor, 19% fair, 58% good, 20% excellent; 1% planted, 5% 1994, 2% avg.; planting was put on hold due to wet conditions. Sweet potatoes 2% poor, 12% fair, 78% good, 8% excellent; 2% harvested, 9% 1994, 9% avg. Insect pressure on sweet potatoes remained high. Vegetables 5% very poor, 21% poor, 41% fair, 33% good. Livestock 5% poor, 22% fair, 62% good, 11% excellent. Livestock conditions deteriorated slightly with higher temperatures. Cattleman began to market spring calves.

**MARYLAND:** Precipitation 1.76 in. normal 1.00 in. Temperature 75.0°, normal 75.8°. Extremes 51°; 100°. Low temperatures in the upper 50s to mid 60s. Highs were mainly in the 90s.

Days suitable for fieldwork 6.2. Topsoil 13% very short, 39% short, 48% adequate. Subsoil 10% very short, 39% short, 51% adequate. Corn 7% very poor, 19% poor, 31% fair, 39% good; 4% excellent; 97% silked, 95% 1994, 93% avg.; 57% dough, 39% 1994, 53% avg.; 21% dented, 11% 1994, 23% avg. Soybeans 6% very poor, 11% poor, 32% fair, 46% good, 5% excellent; 70% bloomed, 66% 1994, 71% avg.; 47% setting pods, 41% 1994, 41% avg. Sorghum 6% very poor, 17% poor, 18% fair, 57% good, 2% excellent; 78% headed, 84% 1994, 79% avg. Tobacco 11% poor, 20% fair, 60% good, 9% excellent; 99% bloomed, 81% 1994, 71% avg.; 67% topped, 48% 1994, 46% avg.; 25% harvested, 6% 1994, 12% avg. Other hay 90% 2nd cutting, 82% 1994, 74% avg.; 15% 3rd cutting, 34% 1994, 19% avg. Alfalfa hay 69% 3rd cutting, 78% 1994, 66% avg.; 5% 4th cutting, 8% 1994, 5% avg. Cantaloupes 69% harvested, 80% 1994, 73% avg. Potatoes 77% harvested, 97% 1994, 75% avg. Sweet corn 61% harvested, 74% 1994, 71% avg. Tomatoes 52% harvested, 55% 1994, 63% avg. Watermelons 62% harvested, 69% 1994, 65%

avg. Apples 1% very poor, 1% poor, 5% fair, 58% good, 35% excellent; some early apples being picked. Peaches 1% poor, 12% fair, 75% good, 12% excellent; 48% harvested, 80% 1994, 61% avg. Activities: Harvesting of vegetables, haymaking.

**DELAWARE:** Precipitation 1.55 in. normal 1.15 in. Temperature 75.4°, normal 76.4°. Extremes 59°; 95°. High temperatures in the 90s. Lows in the upper 50s to low 60s.

Days suitable for fieldwork 5.3. Topsoil 21% very short, 29% short, 50% adequate. Subsoil 26% very short, 54% short, 20% adequate. Corn 12% very poor, 20% poor, 40% fair, 23% good, 5% excellent; 100% silked; 99% 1994; 99% avg.; 68% dough, 55% 1994, 49% avg.; 40% dent, 11% 1994, 14% avg. Soybeans 7% very poor, 16% poor, 41% fair, 36% good; 68% bloomed, 77% 1994, 67% avg.; 37% setting pods, 27% 1994, 20% avg. Sorghum 9% very poor, 27% poor, 40% fair, 24% good; 55% headed, 67% 1994, 62% avg. Other hay 47% 3rd cutting, 41% 1994, 29% avg. Alfalfa hay 67% 3rd cutting, 83% 1994, 66% avg. Cantaloupes 70% harvested, 73% 1994, 69% avg. Potatoes 75% harvested, 62% 1994, 55% avg. Sweet corn 68% harvested, 80% 1994, 70% avg. Tomatoes 53% harvested, 61% 1994, 50% avg. Watermelons 44% harvested, 48% 1994, 50% avg. Apples 19% fair, 81% good; 10% harvested, 10% 1994, 12% avg. Peaches 18% fair, 82% good; 59% harvested, 73% 1994, 67% avg. Hay supply mostly adequate. Vegetable harvest, haymaking.

**MICHIGAN:** Extremes 52°; 93°. Precipitation none to 2.41 in. across the State. Temperatures above normal with moderate precipitation. Rain was welcomed, more will be needed.

Days suitable for fieldwork 5.0. Crops improved with hot temperatures, rain. Rains slowed wheat, hay harvest. Topsoil 2% very short, 18% short, 72% adequate, 8% surplus. Subsoil 8% very short, 23% short, 64% adequate, 5% surplus. Corn in milk, 52%, 50% 1994, 38% avg. Drybeans blooming 99%, 80% 1994, 90% avg.; setting pods 90%, 60% 1994, 54% avg.; 1% very poor, 5% poor, 19% fair, 54% good, 21% excellent. All hay, second cutting 82%, 75% 1994, 74% avg.; 2% very poor, 7% poor, 27% fair, 47% good, 17% excellent. Potatoes harvested 36%, 35% 1994, 27% avg. Oats turning yellow 95%, 100% 1994, 97% avg.; harvested 60%, 35% 1994, 47% avg.; 3% very poor, 10% poor, 47% fair, 34% good, 6% excellent.

**MINNESOTA:** Temperatures 2 to 7° above normal for the State. Extremes 46°; 97°. Precipitation near normal for the State with the east central district receiving 0.73 in. above normal. Greatest weekly total was 2.95 in.

Days suitable for fieldwork 4.3. Topsoil 1% very short, 8% short, 77% adequate, 14% surplus. Spring wheat turning ripe 81%, 99% 1994, 94% avg.; harvested 32%, 31% 1994, 33% avg. Oats turning ripe 95%, 99% 1994, 98% avg.; harvested 46%, 72% 1994, 62% avg. Barley turning ripe 84%, 99% 1994, 96% avg.; harvested 22%, 39% 1994, 48% avg. Corn in milk 63%, 86% 1994, 56% avg.; dough 11%, 22% 1994, 16% avg. Soybean 83% setting pods, 95% 1994, 71% avg. Winter wheat harvested 56%, 75% 1994, 69% avg. Rye harvested 73%, 80% 1994, 68% avg. Oats 7% very poor, 22% poor, 47% fair, 23% good, 1% excellent. Barley 4% very poor, 17% poor, 44% fair, 34% good, 1% excellent. Sunflowers 2% very poor, 7% poor, 15% fair, 49% good, 27% excellent.

**MISSISSIPPI:** Temperatures 3° above normal. Extremes 68°; 99°. Soil temperatures 88°. Precipitation 0.51 in., 0.37 in. below normal. Rainfall throughout the State ranging from 0.06 in. east central district to 1.55 in. coastal district.

Days suitable for fieldwork 5.0. Soil moisture 3% very short, 17% short, 69% adequate, 11% surplus. Corn 99% dough, 98% 1994, 93% avg.; 86% dent, 78% 1994, 73% avg.; 46% mature, 35% 1994, 38% avg.; 5% harvested 4% 1994, 8% avg.; 49% silage harvested, 49% 1994, 51% avg.; 1% poor, 23% fair, 59% good, 17% excellent. Soybeans 94% blooming, 93% 1994, 77% avg.; 76% setting pods, 69% 1994, 50% avg.; 9% turning color, 3% 1994, 4% avg.; 3% very poor,

7% poor, 24% fair, 51% good, 15% excellent. Hay 81% harvested warm, NA 1994, NA avg.; 1% very poor, 10% poor, 30% fair, 51% good, 8% excellent. Peaches 92% harvested, 97% 1994, 97% avg.; 8% poor, 26% fair, 40% good, 26% excellent. Peanuts 3% poor, 10% fair, 50% good, 37% excellent. Sweet potatoes 3% harvested, 9% 1994, 5% avg.; 13% fair, 77% good, 10% excellent. Watermelons 88% harvested, 90% 1994, 87% avg.; 4% poor, 9% fair, 76% good, 11% excellent. Cattle 1% very poor, 5% poor, 24% fair, 56% good, 14% excellent. Main farming activities: Irrigating crops; controlling insects in cotton; harvesting corn, corn silage, hay, sorghum silage. Cotton producers continue to battle worm problems in many areas of the State. Control measures have been erratic at best in some areas. Hay, pasture land are being sprayed in some counties for the control of armyworms. Crops have benefitted from recent rains, are still hurting for rain where irrigation is not available.

**MISSOURI:** Temperatures well above normal across most of the State, 1° above normal at Caruthersville, to 7° above normal at St. Joseph, Kirksville, St. Louis. Precipitation 0.53 in., ranging from none west central to 1.05 in. northeast.

Days suitable for fieldwork 4.7. Topsoil 1% very short, 16% short, 70% adequate, 13% surplus. The majority of row crops remain in fair to good condition across State. However, corn, soybean, sorghum development stages are approximately two weeks behind normal. Corn silking progress ranges from 53% northeast to near 100% silked across the southern third of State. Dough stage development is least advanced in the northeast, where 10% is reported in this stage, while virtually all of the Bootheel has reached this stage. Soybean pod setting progress ranges from around 10 to 15% majority of State to 30% southeast. Sorghum heading is most advanced in the south central, southeast districts, where 87%, 89% have headed, respectively, while the remainder of the State is around 20%. Sorghum coloring limited primarily to 13% south central, 23% southeast. Alfalfa second cutting 95%, 100% 1994, 96% avg.; third cutting 33%, 69% 1994, 43% avg. Other hay cut 93%, 99% 1994, 94% avg.

**MONTANA:** Temperatures in western divisions near to slightly below normal. Temperatures in the eastern portion of State normal to above normal. Precipitation varied across State with some wind damage reported in the eastern, western parts of the State.

Days suitable for fieldwork 6.0. Topsoil 7% very short, 36% short, 54% adequate, 3% surplus. Subsoil 8% very short, 29% short, 59% adequate, 4% surplus. Winter wheat 52% ripe, 96% 1994, 77% avg. Spring wheat 82% turning, 96% 1994, 81% avg. Spring wheat 25% ripe, 57% 1994, 39% avg. Barley 1% very poor, 1% poor, 19% fair, 50% good, 29% excellent; 76% turning, 97% 1994, 82% avg.; 25% ripe, 72% 1994, 44% avg.; 5% harvested, 34% 1994, 19% avg. Oats 2% very poor, 4% poor, 22% fair, 52% good, 20% excellent; 83% turning, 91% 1994, 79% avg.; 30% ripe, 58% 1994, 40% avg.; 3% harvested, 29% 1994, 17% avg. Second cutting alfalfa hay 26%, 65% 1994, 43% avg. First cutting other hay 89%, 90% 1994, 82% avg.

**NEBRASKA:** Temperatures 5° above normals northwest to 10° above normals southwest. Scattered precipitation across the State traces up to 0.30 in.

Days suitable for fieldwork 6.4. Topsoil 21% very short, 55% short, 24% adequate. Subsoil 10% very short, 50% short, 40% adequate. Oats 96% harvested, 99% 1994, 96% avg. Dry bean 91% blooming, 100% 1994; 51% podded, 93% 1994. A return to warm, humid weather conditions with only scattered rainfall last week further stressed dryland crops, pastures. Irrigations were very active last week. Grasshopper activity was noted in many areas in the eastern, north central parts of the State. Pastures continued to show signs of deterioration, slow regrowth in most areas. The warm weather conditions were causing cattle, hogs to gain slower than normal with some death losses reported due to the heat.

**NEVADA:** Couple of cold fronts passed through State from the north at the beginning, middle of week. Strong winds were the dominant feature of these fronts, as no measurable precipitation was received. Temperatures 3° below normal northeast, 4° above normal extreme south. Extremes 28° Mountain City; 119° Laughlin. High temperatures, winds increased needs for irrigation. Mostly clear skies allowed harvests to make good progress.

Small grain harvest was in full swing in the northern producing areas; winter wheat harvest was past the midpoint; spring wheat, spring planted barley, oats were gaining momentum. Fifth cutting of alfalfa was underway extreme south; second cutting well along north. Harvest of native, grass hays continued in full swing. Combining of grass seed underway. Harvest of seed garlic continued. Onions maturing. Potatoes, mint in northern areas in good condition. Main farm, ranch activities: Haying, grain harvest, garlic harvest, irrigating, weed, insect control, working livestock.

**NEW ENGLAND:** Precipitation none to 1.68 in. north, none to 0.55 in. south. Temperatures 66 to 72° north, 62 to 75° south. Maximum temperatures 84 to 94° north, 79 to 91° south. Minimum temperatures 41 to 54° north, 43 to 60° south.

Days suitable for fieldwork 6.0. Topsoil 4% very short, 25% short, 67% adequate, 4% surplus. Subsoil 7% very short, 28% short, 65% adequate. Maine potatoes <5% harvested, condition good/fair. Rhode Island potatoes <5% harvested, 10% 1994, <5% avg., condition good. CT River Valley potatoes 20% harvested, 20% 1994, 10% avg., condition good. Maine oats 40% harvested, <5% 1994, <5% avg., condition good/fair. Maine barley 45% harvested, condition good/fair. Field corn condition good/excellent. Sweet corn, 45% harvested, 50% 1994, 40% avg., condition good/fair. Shade tobacco 60% harvested, 50% 1994, condition good. Outdoor tobacco 35% harvested, 50% 1994, condition good/fair. First hay crop 99% harvested, 100% 1994, 100% avg., condition good/excellent. Second cut hay 55% harvested, 70% 1994, 60% avg., condition good/fair. Third cut hay 10% harvested, 15% 1994, 10% avg., condition good/fair. Apples set avg., size avg., <5% harvested, condition good/fair. Peaches set avg., size avg., 15% harvested, condition good/fair. Pears set avg., size avg., <5% harvested, condition good/fair. Cranberries set above avg., size avg., condition excellent. Highbush blueberries set avg., size avg., 70% harvested, 75% 1994, condition good. Wild blueberries set avg./above avg., size avg., 40% harvested, 40% 1994, condition excellent. Rains from the past few weeks helped the crops, pastures begin to regain normal condition. Major flood damage did occur in the Lamoille River valley, Lamoille county of Vermont. Major farm activities: Harvesting field crops, alfalfa seeding, harvesting fruits, vegetables, seeding, transplanting for fall crops.

**NEW JERSEY:** Temperatures slightly below normal. Extremes 42°; 94°. Rainfall 0.10 in. north, none central, 0.23 in. south. Heaviest 24 hour total 0.51 in. on the 12th to 13th. Estimated soil moisture, in percent of field capacity, averaged 71% north, 70% central, 77% south.

Days suitable for fieldwork 6. Topsoil moisture reported mostly as short. Good volume of eggplant, peppers, squash, cucumbers, tomatoes, sweet corn. Moderate supply of green beans, cantaloupe, cabbage, okra, watermelon. Limited volume of herbs, parsley, leeks, beets, spinach, escarole. Double-crop soybeans planting complete. Second cuttings of hay are occurring as weather permits. Blueberry harvest declining as it approaches the final stages. Good supply of peaches as the harvest of the crop continues to increase. Apple harvesting is active.

**NEW MEXICO:** Temperatures 6° above normal for the State. A number of locations experienced afternoon readings of 100° or more, Animas hit 100° every day of the week. Precipitation was hit, miss for most of the State, extreme southern desert, southeast plains had virtually none. Greatest coverage, amounts were in the north, where Roy had 1.75 in., Santa Fe 1.30 in., Los Alamos 1.20 in.

Days suitable for fieldwork 6.7. Soil moisture 28% very short, 54%

short, 18% adequate. Alfalfa 2% poor, 23% fair, 65% good, 10% excellent. Corn 3% poor, 10% fair, 73% good, 14% excellent. Cotton 1% poor, 26% fair, 66% good, 7% excellent; 90% setting bolls, 93% 1994, 91% avg. Sorghum 18% very poor, 39% poor, 19% fair, 23% good, 1% excellent. Chile 5% very poor, 15% poor, 27% fair, 48% good, 5% excellent. Onions 10% fair, 80% good, 10% excellent. Pecans 5% very poor, 13% poor, 18% fair, 63% good, 1% excellent. Apples 15% poor, 65% fair, 20% good. Cattle 14% poor, 32% fair, 52% good, 2% excellent. Sheep 44% poor, 42% fair, 13% good, 1% excellent.

**NEW YORK:** Seasonable, dry week. Only rain came from showers, thunderstorms. Heaviest across the Adirondacks. Extremes 43°; 95°.

Days suitable for fieldwork 5.7. Soil moisture 8% very short, 31% short, 61% adequate. Corn condition fair to good. Crop maturing rapidly. Alfalfa second cutting 90% finished, 79% 1994, 77% avg. Third cutting 15% done, 49% 1994, 21% avg. Wheat 96% harvested, 97% 1994, 94% avg. Oats 59% harvested, 54% 1994, 51% avg. Early potatoes being harvested, late varieties in bloom. Dry beans in good condition. Fruit in good condition. Early apple harvest continued active. Growers harvesting vegetables as rapidly as possible to avoid rotting, spoilage. Orange County onion harvest increased.

**NORTH CAROLINA:** Cooler temperatures prevailed, resulting in some relief from the record high temperatures, humidity that has been experienced over the past several weeks. Scattered storms have aided crops in some areas, most counties could use some timely rain to aid the soybean, cotton crops. Temperature 76°, 1° below normal. Extremes 58; 88°. Precipitation 0.65 in., 0.33 in. below normal.

Days suitable for fieldwork 5.9. Soil moisture 7% very short, 33% short, 56% adequate, 4% surplus. Harvest of burley tobacco has begun. Peaches 88% harvested, 90% 1994, 89% avg. Flue-cured tobacco 51% harvested, 27% 1994, 36% avg. Corn 16% cut for silage, 26% 1994, 23% avg. Sorghum 3% harvested, 10% 1994, 5% avg. Corn 81% dented, 76% 1994, 72% avg.; 43% mature, 36% 1994, 40% avg. Tobacco 87% topped, 92% 1994, 93% avg. Crop conditions continue to remain mostly fair to good. A slight increase in overall condition has resulted from the cooler temperatures of the past week. Apples 4% poor, 31% fair, 65% good; peaches 4% poor, 14% fair, 78% good, 4% excellent; truck crops 20% very poor, 14% poor, 37% fair, 28% good, 1% excellent; peanuts 1% poor, 31% fair, 64% good, 4% excellent; sorghum 3% poor, 44% fair, 51% good, 2% excellent; sweetpotatoes 7% very poor, 10% poor, 20% fair, 58% good, 5% excellent; hay 3% poor, 38% fair, 57% good, 2% excellent; tobacco in fields 3% very poor, 15% poor, 32% fair, 44% good, 6% excellent; hay, roughage supplies 6% short, 87% adequate, 7% surplus. Activities: Harvesting, marketing flue-cured tobacco; harvesting vegetables; topping burley tobacco; cutting silage; spraying, cultivating crops; cutting hay; preparing pastures for fall growth; tending livestock; repairing equipment, general farm maintenance.

**NORTH DAKOTA:** Temperatures 1 to 2° above normal throughout the State. Extremes 38° west central, southwest; 104° northwest. Precipitation 0.05 in. north central, northeast to 0.62 in. west central.

Days suitable for fieldwork 6. Soil moisture supplies above average. Topsoil 2% very short, 30% short, 64% adequate, 4% surplus. Subsoil 2% very short, 13% short, 80% adequate, 5% surplus. Hard red spring wheat 55% turning and beyond; 84% 1994; 82% avg.; Durum wheat 38%; 68% 1994; 69% avg.; barley 68%; 93% 1994; 91% avg.; oats 54%; 91% 1994; 87% avg. Percent combined for small grains: hard red spring wheat 8%; durum 4%; barley 13%; oats 9%. Warm weather pushed late season crop development, but progress continued behind last year and average. Flaxseed 28% turning and beyond; 37% 1994; 45% avg.; sunflowers 70% blooming and beyond; 82% 1994; 68% avg.; potatoes 96% rows filled and

beyond; 99% 1994; 86% avg.; corn for grain 62% milk and beyond; 67% 1994; 47% avg.; dry edible beans 40% fully podded and beyond; 77% 1994, 52% avg.; soybeans 39%; 74% 1994; 47% avg. Crop condition: Durum wheat 3% very poor, 9% poor, 27% fair, 55% good, 6% excellent; barley 1%, 7%, 29%, 57%, 6%; oats 1%, 4%, 27%, 63%, 5%; flaxseed 1%, 2%, 27%, 62%, 8%; corn 0%, 1%, 16%, 69%, 14%; dry edible beans 1%, 5%, 18%, 58%, 18%; soybeans 2%, 6%, 29%, 54%, 9%; sunflower 1%, 4%, 13%, 65%, 17%; sugarbeets 0%, 4%, 11%, 65%, 20%; potatoes 0%, 0%, 13%, 60%, 27%.

**OHIO:** Temperatures 4 to 10° above normal with the most above normal temperatures in the north. Daytime highs varied from the mid 80s to near 90° with mean lows from the upper 60s to lower 70s. Temperatures mid 70s to near 80°. Although a large section of the State reported precipitation of 1.00 in. or more for the week, an equally large area escaped with 1/4 in. or less.

Days suitable for fieldwork 2.5. Topsoil 6% short, 62% adequate, 32% surplus. Oats harvest 85% complete. Many areas short of rain received moisture needed for pasture regrowth. Alfalfa hay second cutting 92%, third cutting 15%. Other hay second cutting 68%, third cutting 6%. Hay 1% very poor, 6% poor, 34% fair, 48% good, 11% excellent. Harvest of summer apples, peaches, processing tomatoes, potatoes continues.

**OKLAHOMA:** Temperatures 0.7° below normal southwest district to 4.7° above normal northeast district. No precipitation statewide.

Days suitable for fieldwork 5.3. Topsoil 3% very short, 28% short, 61% adequate, 8% surplus. Subsoil 2% very short, 23% short, 66% adequate, 9% surplus. Wheat 94% plowed, 94% 1994, 94% avg.; 18% seedbed prepared, 27% 1994, 19% avg. Corn 91% milk-to-soft, 92% 1994, 91% avg.; 14% mature, 22% 1994, 17% avg.; 0% harvested, 3% 1994, 2% avg. Sorghum 3% mature, 2% 1994, 3% avg. Soybeans 66% flowering, 84% 1994, 63% avg.; 40% setting pods, 65% 1994, 33% avg.; 2% mature, 20% 1994, 5% avg. Peanuts 10% poor, 29% fair, 56% good, 5% excellent; 93% pegging, 98% 1994, 92% avg.; 78% setting pods, 78% 1994, 68% avg. Alfalfa 3% poor, 22% fair, 66% good, 9% excellent; 78% 3rd cutting, 93% 1994, 89% avg.; 13% 4th cutting, 40% 1994, 18% avg. Livestock 15% fair, 78% good, 7% excellent. Prices for feeder steers, heifers steady to \$2.00/cwt higher.

**OREGON:** Temperatures coast 2° above normal, south central sections 6° below normal, elsewhere 2 to 4° below normal. Precipitation north coast, northern Cascades, northeast 0.90 in., elsewhere 0.02 to 0.40 in.

Days suitable for fieldwork 6.3. Topsoil 3% very short, 32% short, 65% adequate. Subsoil 2% very short, 26% short, 72% adequate. All barley harvested 43%. Haying continued statewide. Klamath Basin onions sizing well, potatoes good. Central sections warm temperatures slowed spread late potato blight. Willamette Valley grass seed harvest mostly complete, mint harvest continued, sugarbeet seed harvest underway, green beans, beets, cucumbers continued, sweet corn harvest nearing, Evergreen blackberry picking continued, blueberry harvest winding down. Rogue River Valley green Bartlett pear harvest underway, Sensation, Blush Bartlett pear harvest winding down. Hood River Valley Bartlett pear harvest underway, Gravenstein apple harvest underway. Southern coast cranberries developing color, sizing 90% completed. Willamette Valley nursery industry crops growing well, summer maintenance programs continued, irrigation major activity. Livestock good-excellent. Summer pastures drying out, some supplemental feeding underway Willamette Valley. Sheep shearing underway. Movement of feeder cattle to feedlots underway.

**PENNSYLVANIA:** Cool, dry weather most of week. Hot, humid by weekend. Extremes 49°; 93°.

Days suitable for fieldwork 5.8. Soil moisture 18% very short, 30% short, 52% adequate. Soybean 1% very poor, 4% poor, 19% fair, 59% good, 17% excellent. Wheat 94% harvested, 97% 1994, 95% avg. Oats 94% harvested, 97% 1994, 95% avg. Barley 94% harvested, 97% 1994, 95% avg. Tobacco harvested 16%; 4% in 1995, 6% avg.

Potato harvest 8% complete, 10% 1994, 11% avg. Alfalfa 2nd cutting 70% complete, 86% 1994, 81% avg. Alfalfa 3rd cutting 27% complete, 37% 1994, 31% avg. Alfalfa 4th cutting 2% complete, 3% 1994, 1% avg. Timothy clover 2nd cutting 40% complete, 60% 1994, 57% avg. Quality of hay made 1% very poor, 2% poor, 22% fair, 53% good, 22% excellent. Apple harvest 4% harvested, 12% 1994, 9% avg. Peach harvest 24% harvested, 1994 not available, 38% avg. Grapes harvested 4% harvested, 0% 1994, 4% avg. Fall plowing 4% complete, 7% 1994, 7% avg. Activities: Harvesting wheat, barley, oats, potatoes; making hay; baling straw; cutting haylage; filling silos; fixing fences; machinery maintenance; hauling manure; caring for livestock.

**PUERTO RICO:** The island average rainfall of 0.76 in. was 0.70 inches below normal. Temperature extremes were 60° and 95°, both at various sites.

**SOUTH CAROLINA:** Temperatures 2° above normal. Extremes 67°; 97°. Rainfall 1.10 in.

Days suitable for fieldwork 6.21. Soil 59% short, 39% adequate, 2% surplus. Corn 100% doughed, 100% 1994, 100% avg.; 80% matured, 78% 1994, 78% avg.; 13% harvested, 13% 1994, 18% avg.; 2% poor, 63% fair, 29% good, 6% excellent. Sorghum 100% planted, 100% 1994, 100% avg.; 12% harvested, 11% 1994, 14% avg.; 4% poor, 45% fair, 47% good, 4% excellent. Sweet potatoes 64% fair, 36% good. Tobacco 100% topped, 100% 1994, 100% avg.; 58% harvested, 67% 1994, 60% avg.; 39% fair, 49% good, 12% excellent. Peaches 90% harvested, 89% 1994, 85%; avg.; 48% fair, 52% good. Watermelons 95% harvested, 88% 1994, 90% avg.; 99% fair, 1% good. Cantaloupes 92% harvested, 89% 1994, 86% avg.; 100% fair.

**SOUTH DAKOTA:** Temperatures around 2 to 5° above normal in the west, 6 to 9° above normal in the east. Extremes 33°; 106°. Significant rainfall fell over the extreme north, northeast with these areas generally receiving 0.75 to 1.50 in. The rest of the State generally received less than 0.25 in. with most stations reporting little or no precipitation. Heaviest precipitation 1.69 in. Britton.

Days suitable for fieldwork 5.5. Topsoil 9% very short, 32% short, 51% adequate, 8% surplus. Subsoil 2% very short, 25% short, 60% adequate, 13% surplus. Winter rye 99% swathed, 100% 1994, 91% avg.; 99% harvested, 99% 1994, 85% avg. Barley 99% turning color, 100% 1994, 100% avg.; 91% ripe, 99% 1994, 96% avg.; 70% swathed, 93% 1994, 84% avg.; 60% harvested, 84% 1994, 74% avg. Barley 1% very poor, 18% poor, 18% fair, 61% good, 2% excellent. Oats 99% turning color, 100% 1994, 100% avg.; 89% ripe, 99% 1994, 98% avg.; 68% swathed, 97% 1994, 87% avg.; 67% harvested, 93% 1994, 80% avg. Oats 3% very poor, 8% poor, 39% fair, 48% good, 2% excellent. Spring wheat 98% turning color, 99% 1994, 99% avg.; 89% ripe, 98% 1994, 91% avg.; 50% swathed, 88% 1994, 65% 1994. Flax 90% blooming, 100% 1994, 89% avg.; 13% ripe, 24% 1994, 39% avg.; 3% poor, 43% fair, 53% good, 1% excellent. Corn tasseled, 93%, 100% 1994, 91% avg. Sunflowers 58% bloomed, 95% 1994, 71% avg.; 1% ray flowers dry, 10% 1994, 9% avg.; 3% poor, 25% fair, 46% good, 26% excellent. Soil moisture conditions continued to vary drastically in the key growing regions with some areas having surplus soil moisture while others are in desperate need of rainfall. Grasshoppers were a major problem in the western two-thirds of the State with many areas using border spraying to try and control the problem. Second cutting alfalfa 78% complete, 69% 1994, 65% avg. Other hay 78% harvested, 73% 1994, 71% avg. Livestock 1% poor, 11% fair, 68% good, 20% excellent. Stockwater supplies 3% short, 81% adequate, 16% surplus.

**TENNESSEE:** Temperatures 1 to 4° above normal, except for Plateau region which was 3° below normal. Areas in east received much needed rainfall.

Days suitable for fieldwork 3.0. Topsoil 3% very short, 17% short,

49% adequate, 31% surplus. Subsoil 4% very short, 18% short, 54% adequate, 24% surplus. Corn 3% poor, 13% fair, 50% good, 34% excellent; 91% dough, 85% 1994, 76% avg.; 59% dent, 46% 1994, 40% avg.; 10% mature, 3% 1994, 5% avg. Cotton 18% fair, 59% good, 23% excellent; 100% setting bolls, 100%, 1994, 99% avg. Sorghum 1% poor, 7% fair, 61% good, 31% excellent; 93% headed, 87% 1994, 85% avg.; 31% turning color, 34% 1994, 24% avg. Tobacco 2% very poor, 19% poor, 41% fair, 35% good, 3% excellent; 62% topped, 77% 1994, 69% avg.; 11% burley harvested, 11% 1994, 11% avg.; 9% air cured harvested, 12% 1994, 10% avg.; 10% dark-fired harvested, 11% 1994, 10% avg. Soybeans 1% poor, 23% fair, 52% good, 24% excellent; 80% blooming, 78% 1994, 69% avg.; 46% setting pods, 40% 1994, 34% avg.

**TEXAS:** Weak tropical systems produced rain over coastal, southeastern sections Texas much of time during week. Moisture from Tropical Storm Gabrielle lead to heavy rains over Lower Valley. Upper level high pressure permitted little if any rain over northern, western sections of State. Temperatures generally near to below normal except for above normal readings on Northern High Plains, Blacklands. Rainfall amounts ran below normal except for above normal readings in Lower Valley, South, Coastal Bend districts. No rain recorded in Plains, Cross Timbers, or Trans Pecos areas.

Crops: Small grains land preparations active with open conditions many areas. Oats 100% harvested, 100% 1994, 100% avg. Corn fields in High Plains continued show good progress under steady irrigation. Harvest activity winding down many parts central, south. Rain slowed final harvest operations in Coastal Bend. Harvest resumed in Blacklands with better than average yields reported. Corn 68% dentad, 65% 1994, 71% avg.; 55% mature, 52% 1994, 52% avg. 40% harvested, 40% 1994; 34% avg. Cotton: hot temperatures improved progress in Plains, Cross Timbers during week. Insect activity increasing in some fields. Bolls continued to open in Blacklands, Central. Harvest in Coastal Bend, Valley was delayed by rainy weather. Harvest increasing along Upper Coast, into south central. Cotton 5% harvested, 7% 1994, 6% avg. Grain sorghum harvest operations resumed in Blacklands, Central. Most harvest completed before rain in Coastal Bend, Valley. In Plains, recent rains have helped overall condition. The warmer temperatures have aided maturing many areas. Grain sorghum 55% harvested, 53% 1994, 50% avg. Rice harvest increasing along Upper Coast. Early yields have been good. Soybeans harvest early varieties continued in Blacklands, along Upper Coast. Later varieties could use additional moisture. High humidity causing some problems in the Blacklands. Soybeans 12% harvested, 6% 1994, 5% avg.

Commercial Vegetables: Rio Grande Valley, rain caused some delays in field activities. San Antonio-Winter Garden, land preparations continued without much delay during week. East Texas return to hot temperatures caused additional stress to some crops. Sweetpotato harvest should begin soon. Trans-Pecos, cantaloupe harvest continued. High Plains, potato, cabbage harvest continued. Pecans increased scouting, spraying continued many areas. Recent rains lessened normal August drop some areas. Additional rainfall is needed throughout filling, shell hardening stages. Peaches a few late season peaches were still harvested during the week.

Range and Livestock: Ranges, pastures have responded to recent rains with increased greening; however with return hot, dry conditions last week, improvement slowed down. Livestock conditions remained good most areas.

**UTAH:** Temperature maximums 5° above normal, minimums 2° above normal. Precipitation light to moderate all divisions reporting measurable precipitation.

Days suitable for fieldwork 6.8. Topsoil 8% very short, 28% short, 63% adequate, 1% surplus. Subsoil 4% very short, 30% short, 63% adequate, 3% surplus. Irrigation water supply 5% very short, 12% short, 80% adequate, 3% surplus. Stockwater supply 2% very short, 15% short, 83% adequate. Spring wheat harvested 45%, 89% 1994, 66% avg. Barley harvested 50%, 89% 1994, 68% avg. Oats harvested for grain 27%, 60% 1994, 39% avg.; harvested for hay or silage 91%,

91% 1994, 79% avg. Winter wheat harvested 58%. Corn height 62 in; tasseling 32%, 93% 1994, 81% avg. Alfalfa hay 2nd cutting 82%, 91% 1994, 87% avg.; 3rd cutting 9%, 26% 1994. Other hay cutting 80%, 90% 1994, 88% avg. Tart cherries picked 85% complete. Peaches harvested 13% picked, 32% 1994. Major farm, ranch activities: Harvesting small grains, haying, cultivating corn, irrigating, picking tart cherries, peaches.

**VIRGINIA:** No weather data available.

Days suitable for fieldwork 5.7. Topsoil 15% very short, 34% short, 47% adequate, 4% surplus. Subsoil 17% very short, 27% short, 53% adequate, 3% surplus. Other hay 4% very poor, 12% poor, 21% fair, 51% good, 12% excellent. Alfalfa hay 6% poor, 30% fair, 52% good, 12% excellent. Pasture condition 6% very poor, 12% poor, 32% fair, 42% good, 8% excellent. Apple condition 26% fair, 46% good, 28% excellent. Summer apples harvested 23%, 43% 1994, 29% avg. Peaches harvested 55%, 59% 1994, 66% avg. Corn silked 93%, 92% 1994, 88% avg.; dough 51%, 60% 1994, 56% avg.; dented 27%, 31% 1994, 29% avg.; mature 6%, 7% 1994, 8% avg.; silage harvested, 1%, 3% 1994, 6% avg.; 1% very poor, 6% poor, 26% fair, 50% good, 17% excellent. Soybeans 1% very poor, 21% poor, 46% fair, 22% good, 10% excellent; blooming 70%, 68% 1994, 61% avg.; setting pods 33%, 36% 1994, 35% avg. Peanuts 9% poor, 31% fair, 44% good, 16% excellent. Cotton 11% poor, 38% fair, 36% good, 15% excellent. Flue tobacco 1% poor, 47% fair, 29% good, 23% excellent. Flue tobacco harvested 31%, 18% 1994, 23% avg. Dark fired tobacco 5% poor, 39% fair, 41% good, 15% excellent; harvested 22%, 15% 1994, 13% avg. Burley tobacco 35% very poor, 52% poor, 11% fair, 2% good. Sun tobacco harvested, 2%, 7% 1994, 8% avg. Sun tobacco 60% fair, 40% good. Summer potatoes harvested 93%, 99% 1994, 99% avg. Hot, dry conditions returned mid-week after a front brought in cooler, more moist conditions. Burley, flue tobacco topping nearing completion while flue, fire harvest continued. Depleted soil moisture in the southeastern region forced some producers to irrigate tobacco, peanuts, cotton, vegetables. Corn being stressed in some regions from heat. Some silage corn high in nitrates due to dry conditions, silage harvest underway in some localities.

**WASHINGTON:** Temperatures 4 to 1° below normal west; 11 to 4° below normal east. Precipitation 0.44 to 2.33 in. west; none to 0.28 in. east. Harvest activities slowed by rain.

Days suitable for fieldwork 6.3. Topsoil 21% short, 77% adequate, 2% surplus; subsoil 5% short, 95% adequate. Irrigation water supply 100% adequate. Harvest activities one to two weeks behind for cereal grains. Field corn looked good. Alfalfa, vegetable seed crops being planted. Dry bean cutting began. Potatoes in Grant County being sprayed for late blight control. Gladiola harvest in full swing. Swiss chard seed fields being swathed. Blueberry, pea, sweet corn harvests continued. Summer raspberry harvest complete. Pumpkin crop looked excellent. Pastures continued to improve. Straw baling continued. Hay harvest slowed due to rain. Winter wheat, dryland 4% poor, 21% fair, 60% good, 15% excellent; irrigated, 70% good, 30% excellent. Spring wheat, dryland 8% poor, 47% fair, 37% good, 8% excellent; irrigated, 80% good, 20% excellent. Barley, dryland 21% fair, 62% good, 17% excellent; irrigated, 100% good. Potatoes, 20% fair, 80% good. Corn, 2% fair, 96% good, 2% excellent. Dry Edible Beans, 100% good. Hay, other roughage supplies 90% adequate, 10% surplus. Winter wheat, 53% harvested, 90% 1994, 68% avg. Spring wheat, 25% harvested, 83% 1994, 51% avg. Barley, 25% harvested, 83% 1994, 55% avg. Alfalfa, 2nd cutting, 86% harvested, 91% 1994, 89% avg. Alfalfa, 3rd cutting, 30%

harvested, 53% 1994, 37% avg. Dry peas, 25% harvested, 91% 1994, 56% avg. Potatoes, 11% harvested, 10% 1994, 12% avg.

**WEST VIRGINIA:** Temperature 74°. Extremes 57°; 96°. Temperatures 1 to 5° above normal. Precipitation 1.01 in. The greatest weekly total precipitation 3.92 in. reported at Pineville.

Days suitable for fieldwork 4.6. Topsoil 4% very short, 13% short, 63% adequate, 20% surplus. Wheat 17% fair, 83% good; 78% harvested, 100% 1994, 90% avg. Hay 2% poor, 47% fair, 50% good, 1% excellent; second cutting 50%, 42% 1994, 43% avg.; third cutting 8%, 25% 1994. Corn 17% fair, 68% good, 15% excellent; 81% silked, 80% 1994, 81% avg.; 28% dough, 41% 1994, 47% avg.; 2% dent. Oats 72% ripe, 95% 1994, 96% avg.; 60% harvested, 75% 1994, 77% avg. Soybeans 1% poor, 15% fair, 57% good, 27% excellent; 79% blooming, 80% 1994; 40% setting pods, 65% 1994. Tobacco 25% poor, 29% fair, 46% good; 59% topped, 45% 1994, 48% avg.; 3% harvested. Apples 100% good. Peaches 100% good. Cattle 1% poor, 16% fair, 80% good, 3% excellent. Sheep 16% fair, 80% good, 4% excellent. Activities: Bush hogging, cutting hay, topping tobacco, harvesting peaches, oats, wheat, treating cattle for pinkeye.

**WISCONSIN:** Temperature 75°, 8° above normal. Extremes 51°; 99°. Precipitation 0.80 to 4.00 in.

Days suitable for fieldwork 3.6. Soil 5% very short, 18% short, 68% adequate, 9% surplus. General condition of crops 3% poor, 23% fair, 62% good, 12% excellent. Oats 2% very poor, 15% poor, 37% fair, 42% good, 4% excellent; harvested 60%, 62% 1994, 49% avg. Winter wheat harvested 90%, 87% 1994, 73% avg. Second cutting hay harvest 85%, 78% 1994, 77% avg. Third cutting hay harvest 9%, 10% 1994, 9% avg. Soybean condition 2% poor, 22% fair, 57% good, 19% excellent; blooming 72%, NA 1994, NA avg. Heavy rains over the northeastern two-thirds of the State over the past week have made it very difficult to harvest crops. Most of the corn in the State was past the silking stage and was into the dough stage. Even though the corn crop was planted between a week to ten days behind normal, the progress of the crop was reported to be on the same track as last year. Oat harvest was slowed by rain. Yields were reported as average to below average; were very short, weedy. Alfalfa harvest was delayed by rains, humid conditions not allowing the alfalfa to dry down during the day. Reports show that both the second, third crop were yielding below average. Cranberry fruit set was average; but sizing well.

**WYOMING:** Temperatures 1 to 7° above normal across the State. Extremes 25° Fossil Butte; 105° Sheridan. Precipitation 0.20 in. above normal in west central, few southeast parts. Rest of the State averaged 0.10 to 0.40 in. below normal. Jackson received the greatest amount of 0.53 in.

Days suitable for fieldwork 6.4. Topsoil 50% adequate or better. Subsoil moisture supplies 59% adequate or better. Winter wheat 74% harvested, 99% 1994, 77% avg. Spring wheat 15% mature, 87% 1994, 70% avg.; 5% harvested, 53% 1994, 33% avg. Oats 34% mature, 64% 1994, 57% avg.; 19% harvested, 30% 1994, 22% avg. Barley 73% mature, 91% 1994, 81% avg.; 32% harvested, 57% 1994, 47% avg. Dry beans 76% setting pods, 93% 1994, 78% avg.; 4% leaves turning color, 33% 1994, 11% avg. Corn 51% silked, 93% 1994, 60% avg.; 22% in milk, 71% 1994, 34% avg. Alfalfa 2nd cutting 27% complete, 60% 1994, 43% avg. Other hay 75% harvested, 86% 1994, 80% avg. Irrigation water supplies adequate or better. Stockwater supplies 97% adequate or better.

# International Weather and Crop Summary

August 6 - 12, 1995

## HIGHLIGHTS

**FSU-WESTERN:** The grain harvest continued to progress in Russia, Ukraine, and Belarus, helped by mostly favorable weather.

**FSU-NEW LANDS:** Hot, dry weather hastened early maturity of spring grains in Kazakhstan.

**EUROPE:** Dry weather allowed rapid winter crop harvesting in the north but increased stress on summer crops.

**SOUTH ASIA:** Drier, warmer weather dominated coarse grain, oilseed, and cotton areas of western India, but monsoon showers were widespread elsewhere.

**CANADA:** Wet, windy weather across northern Prairie crop areas increased moisture for immature grains and oilseeds but caused some damage.

**EASTERN ASIA:** Rain benefited reproductive to filling summer crops in Manchuria and the North China Plain. Very heavy rain flooded some rice areas of the Korean Peninsula.

**SOUTHEAST ASIA:** Heavy showers fell in corn and rice areas of Thailand, causing some flooding. Tropical showers produced beneficial showers in the northern Philippines.

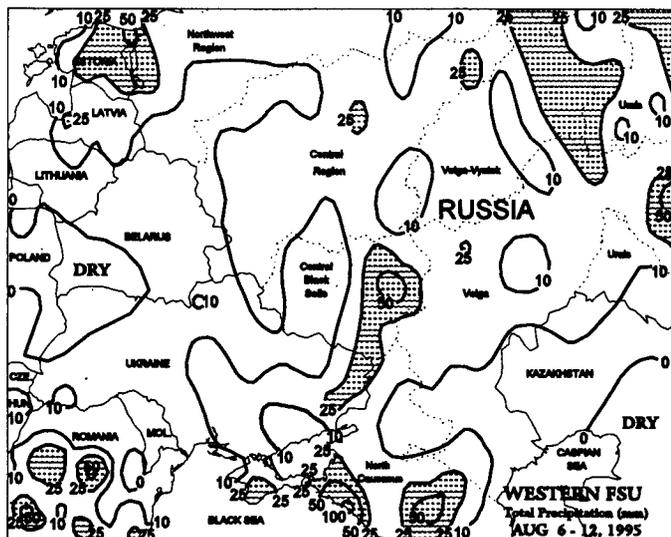
**SOUTH AMERICA:** Dry, cool weather continued to stress vegetative winter wheat in central Argentina, while rain favored vegetative to reproductive wheat in southern Brazil.

**MEXICO:** Tropical Storm Gabrielle hit northeastern Mexico, producing significant drought relief despite causing some flooding.

**AUSTRALIA:** In Queensland, unseasonably heavy rain continued over sugarcane and northern sorghum areas and finally reached northern drought-stricken cotton and winter wheat areas.

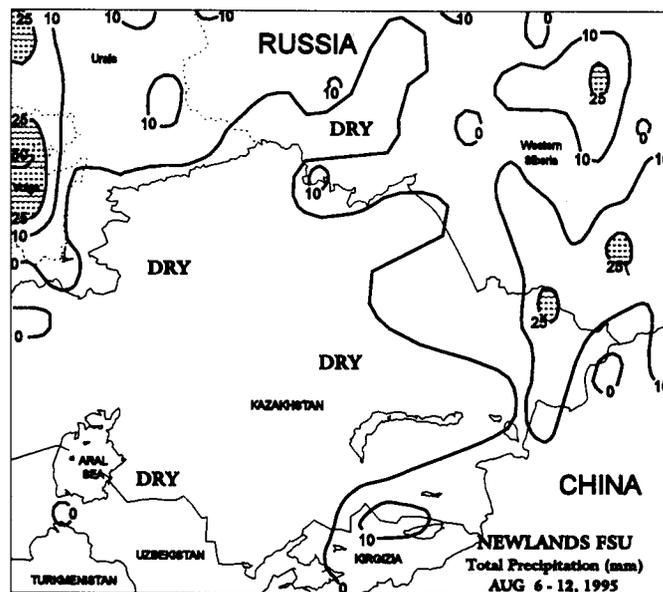
### FSU-WESTERN

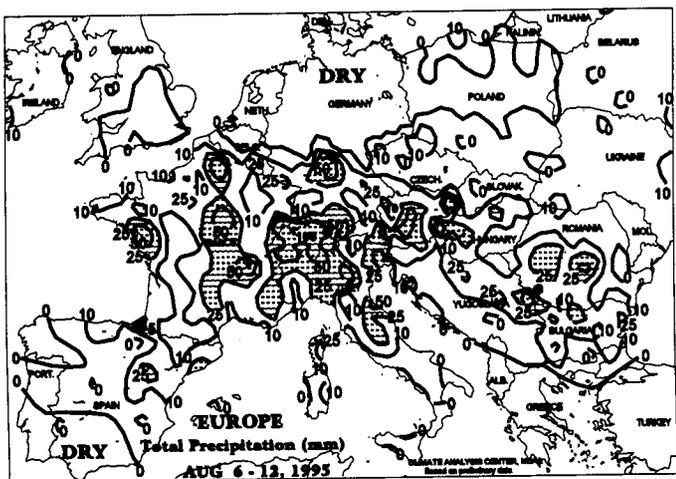
In Russia, widespread light showers (around 10 mm) caused only brief delays in winter and spring grain harvesting. While the rain came too late to improve prospects for drought-stressed winter and spring grains, the moisture with cooler weather stabilized conditions for corn, sunflowers, and sugar beets. Reports as of August 7 indicated about 42 percent of Russia's grain crop, excluding corn, was harvested, compared with 19 percent last year. In Ukraine, dry conditions allowed the grain harvest to advance without delay. The grain harvest in Ukraine, excluding corn, was about 84 percent complete. In Belarus, dry weather helped grain harvesting, which was reportedly 64 percent complete by August 4. Weekly average temperatures were 2-4 degrees Celsius (C) below normal in south-central Russia and eastern Ukraine, and near normal elsewhere.



### FSU-NEW LANDS

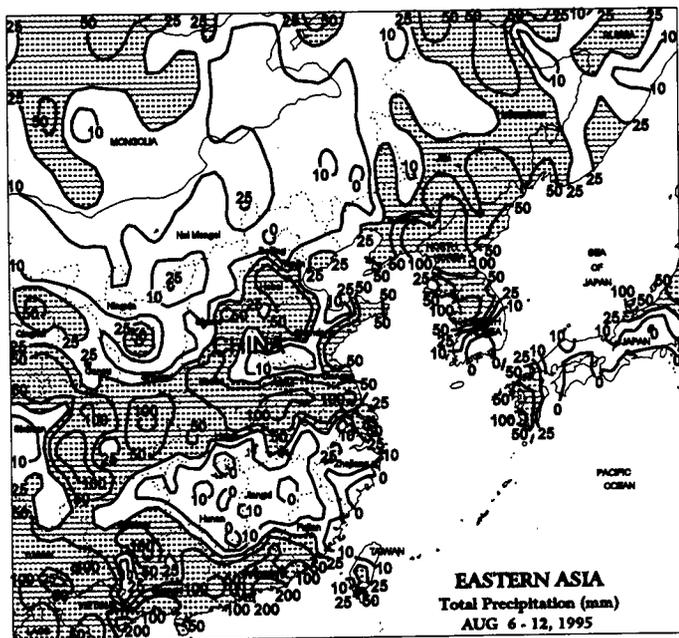
In Russia, dry weather continued to limit soil moisture for immature spring grains in the Urals and the western portion of Western Siberia. Light showers (10-25 mm) over the Altay Kray region in Western Siberia continued to maintain favorable moisture for spring grains in the filling stage. Weekly average temperatures were 2-6 degrees C above normal over the Urals and Western Siberia, promoting crop development. In Kazakhstan, hot, dry weather hastened early maturity in spring grains. The spring grain harvest was well underway in western and southern areas where drought during the growing season accelerated crop development and lowered yield prospects. Highest weekly temperatures in Kazakhstan ranged from 31 to 37 degrees C.





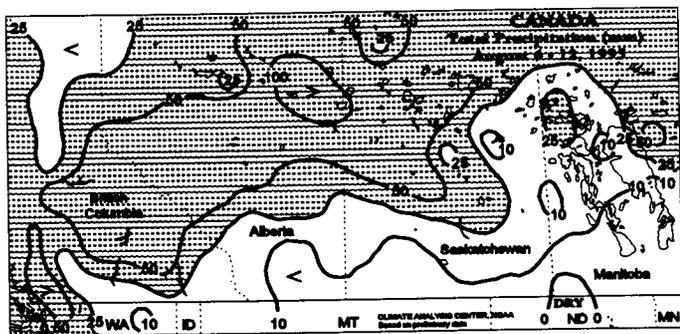
**EUROPE**

Unseasonably warm, dry weather prevailed over England, the Benelux countries, northern Germany, and Poland, allowing the wheat, barley, rye, and oilseed harvests to advance rapidly. However, a lack of soil moisture and maximum temperatures as high as 33 degrees C, increased stress on corn and sugarbeets. Farther south, light to moderate rain (10-25 mm, with local amounts in excess of 40 mm) fell from France, eastward through southern Germany, central and northern Italy, Austria and Hungary, into eastern Yugoslavia, Romania, and Bulgaria. While the rain caused some delays in winter grain and oilseed harvests, the moisture favored, corn, soybeans, and sunflower development. Seasonably dry weather continued over Mediterranean crop areas. Weekly average temperatures were 2-4 degrees C above normal over northern Europe and near normal elsewhere.



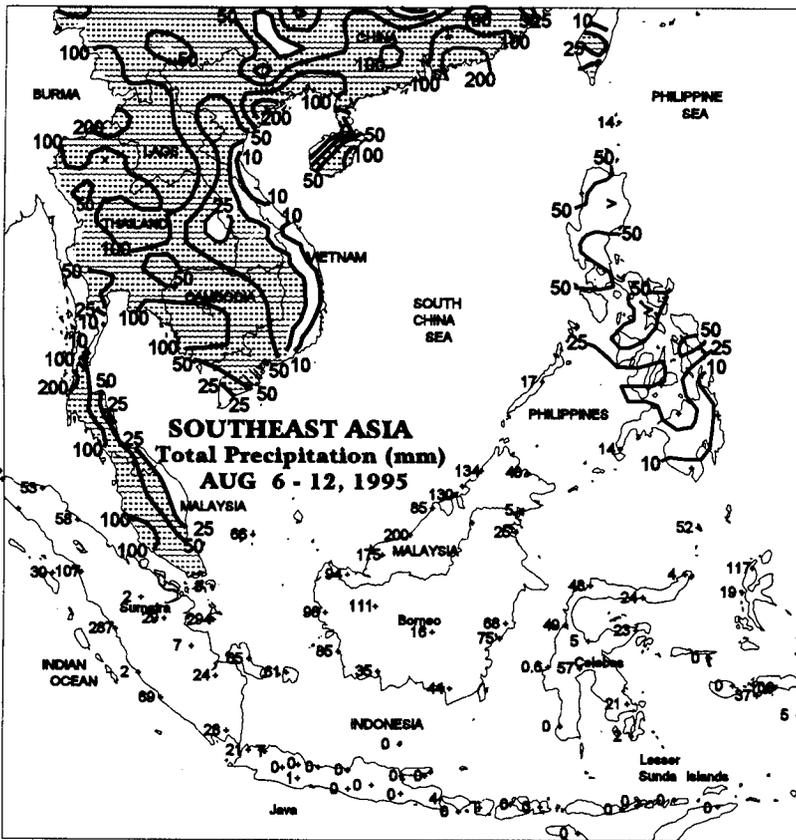
**EASTERN ASIA**

Widespread moderate to heavy rain (20-80 mm) fell across most of the North China Plain and into Sichuan, aiding reproductive to filling summer crops. Portions of western Shandong and eastern Henan received less than 10 mm, while parts of central Sichuan and Anhui reported 100 to 130 mm of rain, causing some flooding. In Manchuria, moderate rain (15-40 mm) benefited reproductive corn and soybeans, but slowed spring wheat harvesting and exacerbated flooding in the south (Liaoning). In the lower Yangtze Valley, mostly dry weather (less than 10 mm) prevailed, reducing moisture for rainfed crops, but adequate irrigation supplies exist for rice. The southern Chinese coastal provinces received moderate to heavy rain (25-100 mm). Tropical Storm Helen hit near Hong Kong on August 12, with sustained winds of 60-70 knots (69-81 mph), causing coastal flooding (isolated rainfall greater than 300 mm) and some wind damage to sugarcane and rice. Temperatures averaged near normal across most of China. Northwestern North Korea and northern South Korea received very heavy rain (100-300 mm), causing flooding and some damage to rice. In Japan, moderate to heavy rain (40-130 mm) fell across Hokkaido, northern Honshu, and Kyushu, while mostly dry weather prevailed across southern Honshu. Temperatures averaged 1-3 degrees C above normal across South Korea and most of Japan.



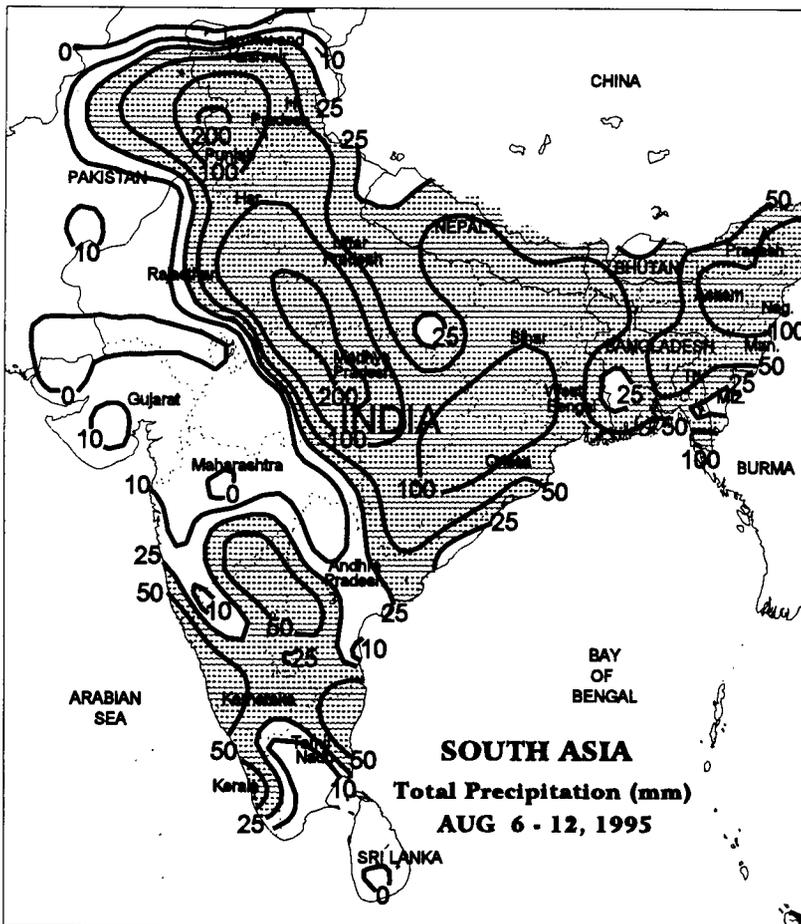
**CANADA**

Unseasonably strong storms traversed the Prairies, bringing heavy rain (25-60 mm) and locally high winds to northern Prairie crop areas. While providing needed moisture for immature grains and oilseeds, the rains came too late for ripening spring grains, and some lodging was likely. More moderate amounts of rain (10-25 mm) benefited filling crops from central Saskatchewan to western Manitoba, with light rain (10 mm or less) along the U.S. border and the Interlake Region. The stormy pattern, which immediately followed a brief heat wave, ushered in cooler weather, with lows reaching 5 degrees at many locations in Alberta and Saskatchewan. In fact, weekly temperatures averaged 3-6 degrees C below normal in western crop areas, necessitating warmer, drier weather soon for crop maturation prior to the first autumn freeze. Farther east, scattered showers (5-43 mm) and somewhat higher-than-normal temperatures aided corn and soybean growth in Ontario and Quebec.



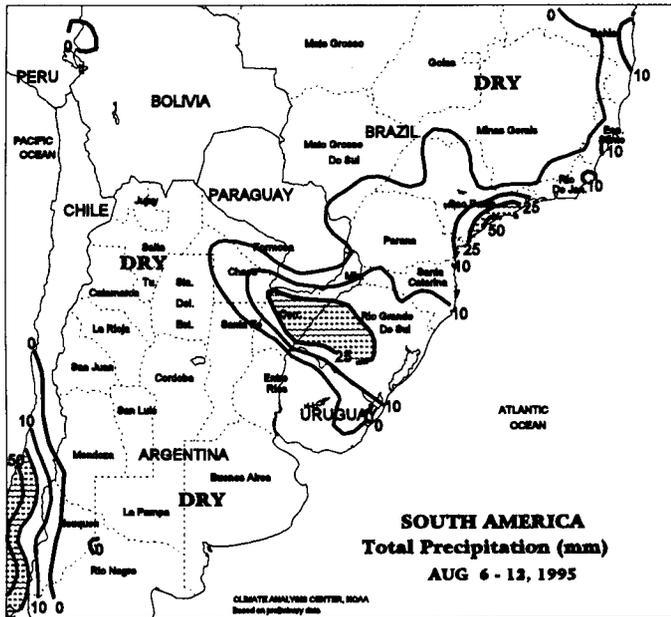
**SOUTHEAST ASIA**

Widespread showers (25-100 mm) covered Thailand, keeping moisture supplies adequate for rice, sugarcane, and corn. However, in portions of north-central and northern Thailand, very heavy showers (125-200 mm) caused flooding. Light showers (2-12 mm) prevailed across central Vietnam, while seasonable showers (20-80 mm) aided rice in the north and south. Tropical Storm Helen brushed the northern Philippines, helping to produce beneficial showers (30-80 mm, with isolated amounts greater than 125 mm) in Luzon. Seasonable showers (30-100 mm) covered the central Islands, while lighter showers (5-30 mm) were reported across Mindanao. Unseasonable dry weather across Java since early July has reduced moisture supplies for primary corn, soybeans, and secondary rice.



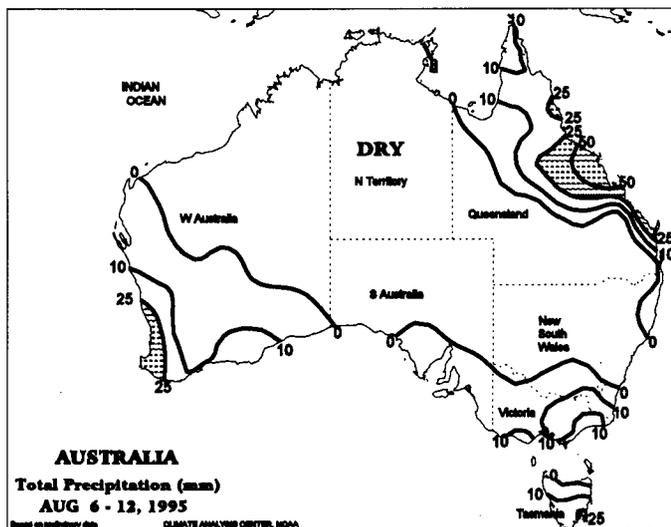
**SOUTH ASIA**

Warmer, drier weather (rainfall less than 25 mm, temperatures 1-2 degrees C above normal) dominated primary crop areas of west-central India (Gujarat, western Madhya Pradesh, and Maharashtra). Following 3-4 weeks of widespread locally heavy showers, the drier weather in that area benefited crop development, especially in soybean areas that had recently been too wet. However, due to the monsoon's late arrival and the relatively short time left in the rainy season (4-5 weeks, on average), Gujarat's groundnut belt cannot afford a protracted dry spell. Elsewhere, heavy rain (50-100 mm or more) stretched from northern Pakistan to India's eastern states, with some local flooding likely in primary coarse grain, soybean, and rice areas. Rainfall was below normal (50 mm or less) again over rice areas of central Uttar Pradesh, India, where showers have been sporadic for much of the season. In the south, scattered showers (10-45 mm) benefited coastal and interior crops.



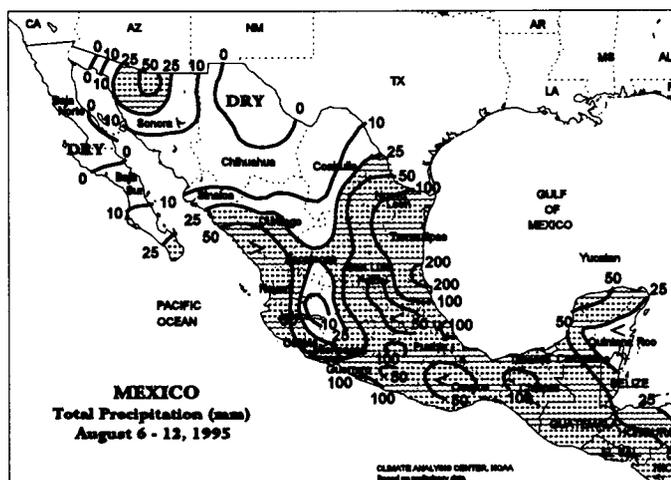
**SOUTH AMERICA**

Dry, cool weather (minimum temperatures -3 to -6 degrees C) continued to stress vegetative winter wheat in central Argentina. The dryness also delayed planting in southern Buenos Aires. According to reports, as of early August about 70 percent of the total wheat crop has been planted, compared with about 90 percent on average. Rain is needed in the next several weeks for late planting to occur. In southern Brazil, light to moderate rain (5-30 mm) favored vegetative to reproductive winter wheat from Parana to Rio Grande do Sul.



**AUSTRALIA**

Unseasonably heavy rain (10-25 mm, locally exceeding 50 mm) continued along Queensland's coast, slowing sugarcane harvesting while increasing moisture for upcoming summer crop plantings. Significant rain covered a broader area than last week over the interior, providing some drought relief to Queensland's northern winter wheat and cotton areas. However, unfavorable dryness persisted over Queensland's southern winter grain areas and northern New South Wales. Rain will be needed soon in the eastern grain areas for normal crop and pasture development once seasonal warming commences. Unseasonable coolness (temperatures 2-3 degrees C below normal, with subfreezing temperatures over a broad area) continued throughout the east, inhibiting vegetative growth. In the west, rain (5-25 mm), accompanied by seasonable temperatures, maintained good crop prospects. In New Zealand, locally wet (5-37 mm) and frosty (lows from -1 to 2 degrees C) weather continued over northern South Island and central North Island.



**MEXICO**

Tropical Storm Gabrielle hit northeastern Mexico (southern Tamaulipas) on August 12, with sustained winds of 50 to 60 knots (58-69 mph). The storm produced widespread heavy rain (70-130 mm, with amounts near the coast greater than 200 mm) across the drought-stricken northeastern states of Nuevo Leon and Tamaulipas, boosting reservoir levels and aiding pastures. The remainder of northern Mexico received only light rain (2-11 mm), where much more rain is needed to reduce long-term moisture deficits. Widespread showers (20-80 mm, with isolated amounts greater than 100 mm) fell across most of the southern Plateau corn belt, benefiting reproductive to filling corn. Lighter amounts (5-30 mm) were reported across portions of the western corn belt. Tropical showers (50-140 mm) favored sugarcane and coffee across the east-central coast (Veracruz) and variable showers (13-50 mm) benefited corn across the Yucatan Peninsula. Temperatures averaged 1-3 degrees C below normal across the northeast due to Gabrielle, 2-3 degrees C above normal across north-central Mexico, and 1-2 degrees above normal elsewhere.

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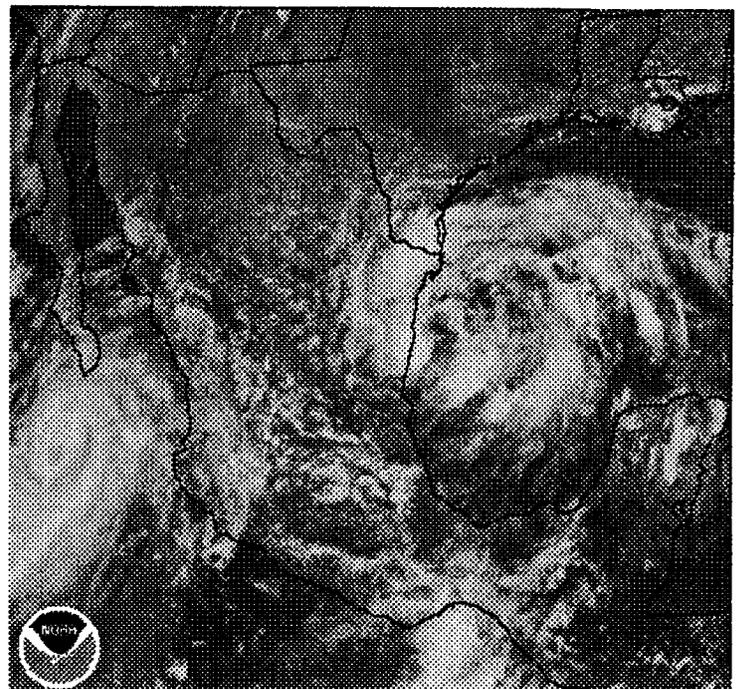
On Sunday, the remnant circulation of former Hurricane Erin exited the East Coast, but not before drenching **Wilmington, DE** (1.50 inches) and **Atlantic City, NJ** (2.95 inches) with daily-record rainfalls. The passage of Erin drew cooler air into the **Middle Atlantic region**, but not before a final day of record-setting, 90-degree heat in **Richmond, VA** (27-day streak) and **Raleigh-Durham, NC** (24 days). Farther west, thunderstorms dotted the Midwest, with rainfall records for August 6 established in **Columbia, MO** (2.50 inches) and **Minneapolis, MN** (1.64 inches).

Heat continued in the **Southwest** and surged briefly into the **Plains**, resulting in more than three dozen daily records. On Monday, **Miles City, MT** reported a maximum of 110°F, while in **Pueblo, CO**, a high of 104°F tied their August record, last attained on the 7th in 1980. In contrast, cool, wet weather overspread the **Northwest**. Rainfall during the 48 hours ending at 5:00 a.m. PDT on August 8 included 4.62 inches in **Quillayute, WA**, 1.87 inches at **Stampede Pass, WA**, and 1.10 inches in **Lewiston, ID**. In the storm's wake, nearly a dozen daily-record lows were broken. On Wednesday, lows in western Montana dipped to 25°F in **Wisdom** and 31°F in **Butte**, while in the **Snake River Valley**, **Pocatello, ID** noted 35°F.

In **Arizona**, the cooling was less significant, as **Tucson** marked its last of five consecutive daily-record highs on August 9, while **Phoenix** saw its record-setting, 17-day streak of 111-degree heat (formerly 10 days, from June 29 - July 8, 1989) end on Friday. But with the cooler weather came severe thunderstorms, which on Friday night produced wind gusts to 76 m.p.h. in **Tucson** and 58 m.p.h. near **Las Vegas (Nellis A.F.B.), NV**. Prior to the arrival of Flossie's moisture, several high-minimum temperature records were set. On Thursday, for example, the low of 89°F in **Las Vegas, NV** was an all-time record, and the low of 92°F in **Phoenix** was an August record. Farther east, **Brownville, TX** collected more than 4 inches of rain, nearly 30 percent of their year-to-date total, as Tropical Storm Gabrielle moved inland on Friday afternoon about 200 miles to the south, across the Mexican State of Tamaulipas. Meanwhile, a low-pressure system east of the **Carolinas** dumped more than 5 inches of rain on **Cape Hatteras, NC**, on August 10.

Locally heavy rain continued in the **Ohio Valley** through midweek, pushing weekly totals to nearly 3 inches in **Indianapolis, IN** and **Dayton, OH**. **Charleston, WV** recorded a 72-hour (August 7-10) total of 3.65

inches. But daily-record heat returned by Saturday, as highs reached 98°F in **Evansville, IN** and 99°F in **Madison, WI**. Heat also returned to the Southeast, where highs reached 98°F in **Greenville-Spartanburg, SC** and **Raleigh-Durham, NC**. Elsewhere, strong thunderstorms tore across the Nation's northern tier, with more than 2 inches of rain measured in **Green Bay, WI** and 1.55 inches received in **Burlington, VT**. In **New England**, the late-week storms ended a brief heat wave that pushed temperatures to daily-record levels on 3 consecutive days in **Caribou, ME**, capped by a reading of 93°F on Thursday.



GOES-8 Visible, August 10, 1995, 19:15 UTC

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