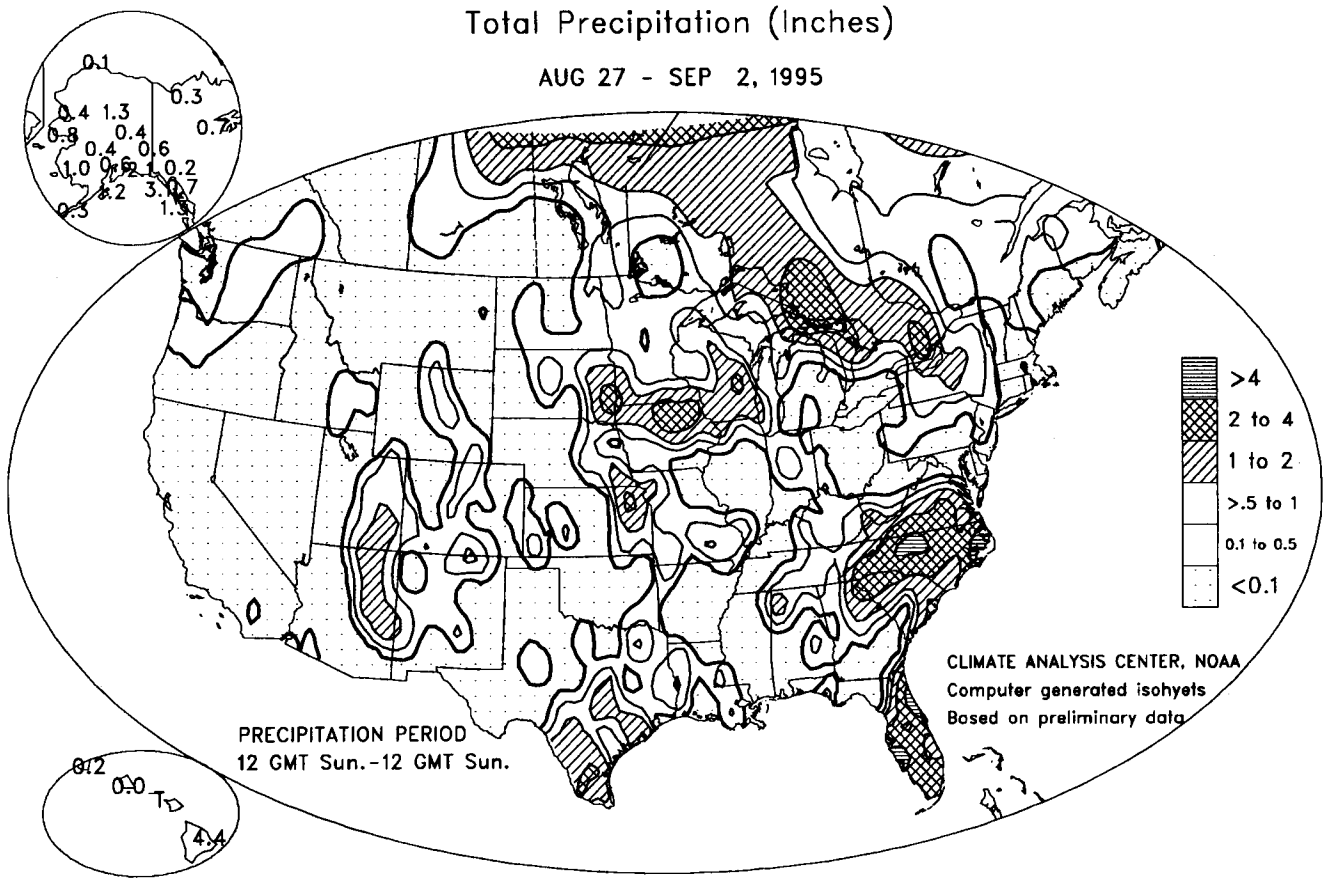
WEEKLY WEATHER AND CROP BULLETIN

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

Volume 82, No. 36 | Washington, D.C. | September 6, 1995



HIGHLIGHTS

August 27 - September 2, 1995

Torrid late-summer weather set more than six dozen daily records, as weekly temperatures from the **Southwest** to the **Midwest** averaged 5 to 10°F above normal. Cooler-than-normal conditions were confined to parts of the **West Coast States**, outside the realm of a dominant, anchored ridge of high pressure aloft. Late in the week, a moderately strong cold front swept through the **Midwestern and Eastern States**, delivering cooler air and scattered rains. Elsewhere, significant rainfall was confined to the **Four Corners States, southern Texas, Peninsular Florida**, and the **southern Middle Atlantic States**.

On Sunday, the remnants of Tropical Storm Jerry continued to fuel torrential rainfall in the **Carolinas**. **Greenville-Spartanburg, SC** was inundated with

(Continued to p. 4)

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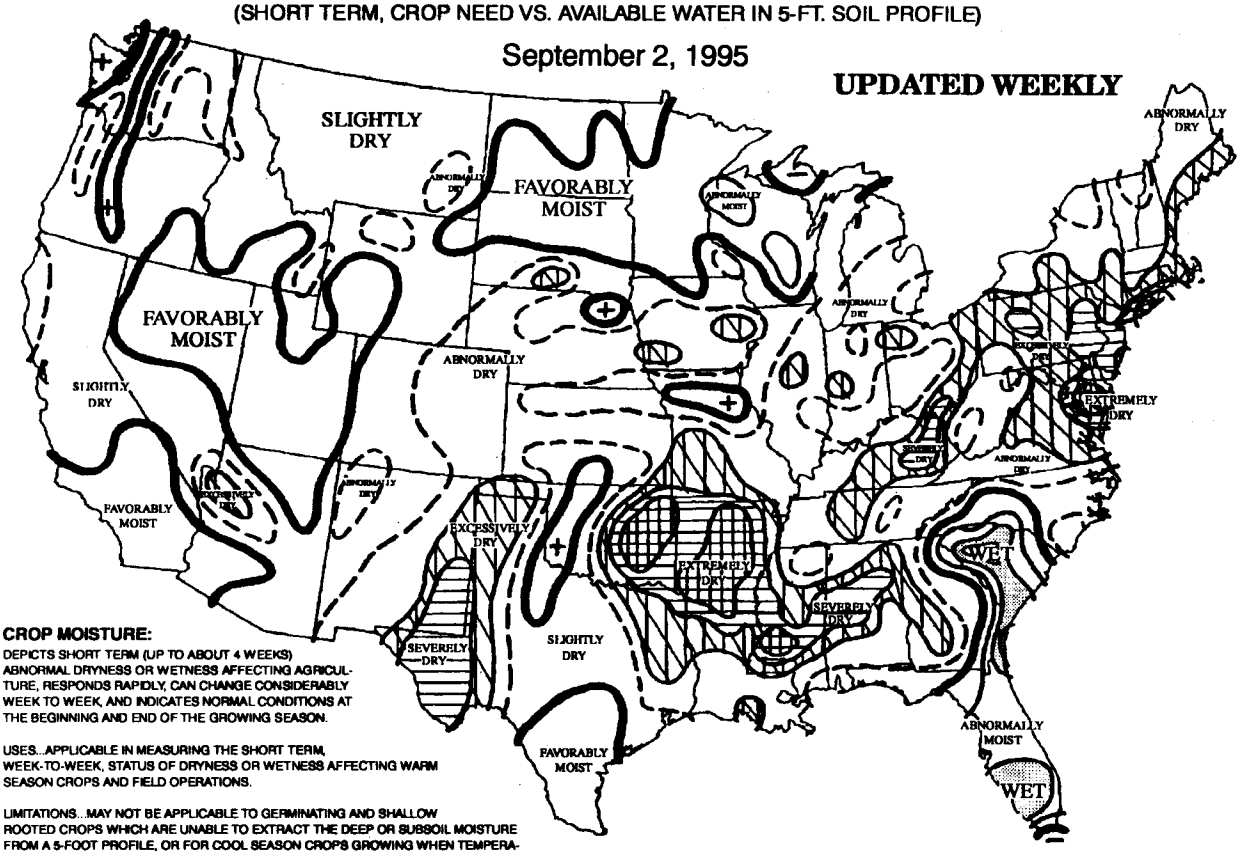
CROP MOISTURE
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)

September 2, 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.

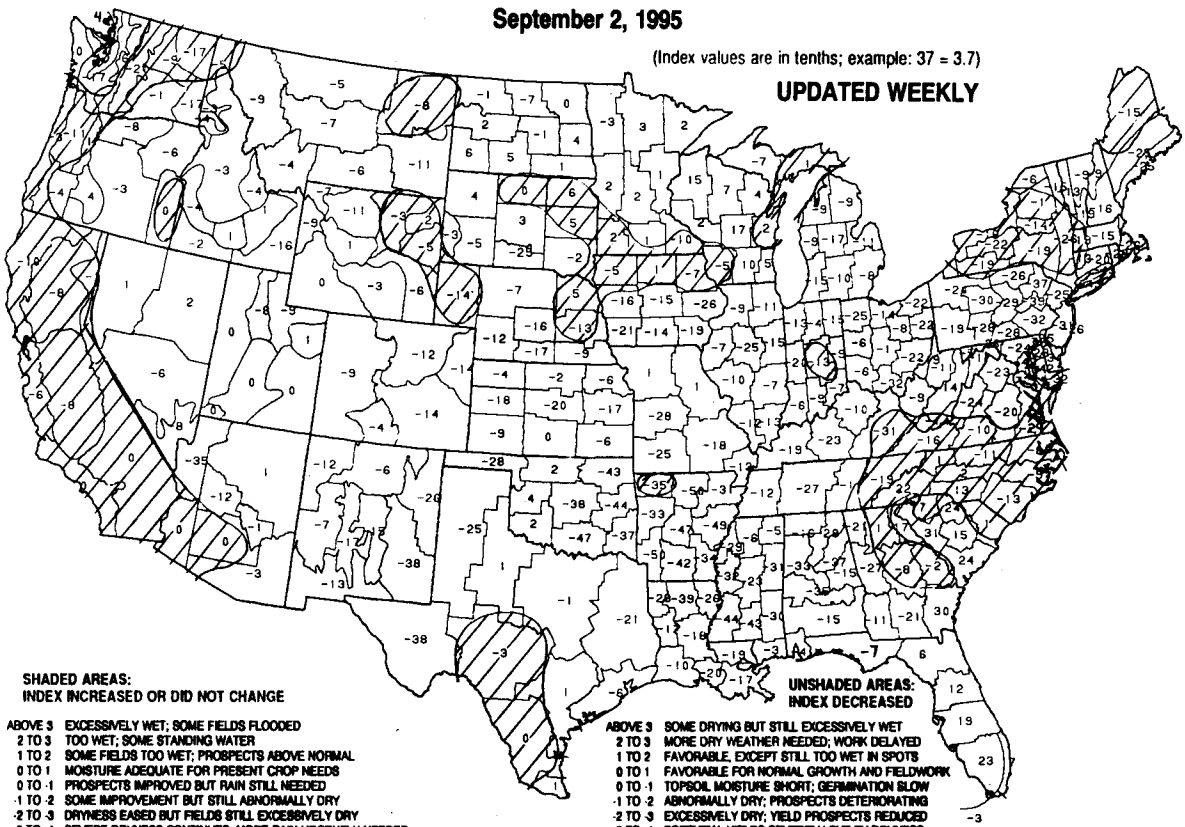
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

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

September 2, 1995

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

UPDATED WEEKLY



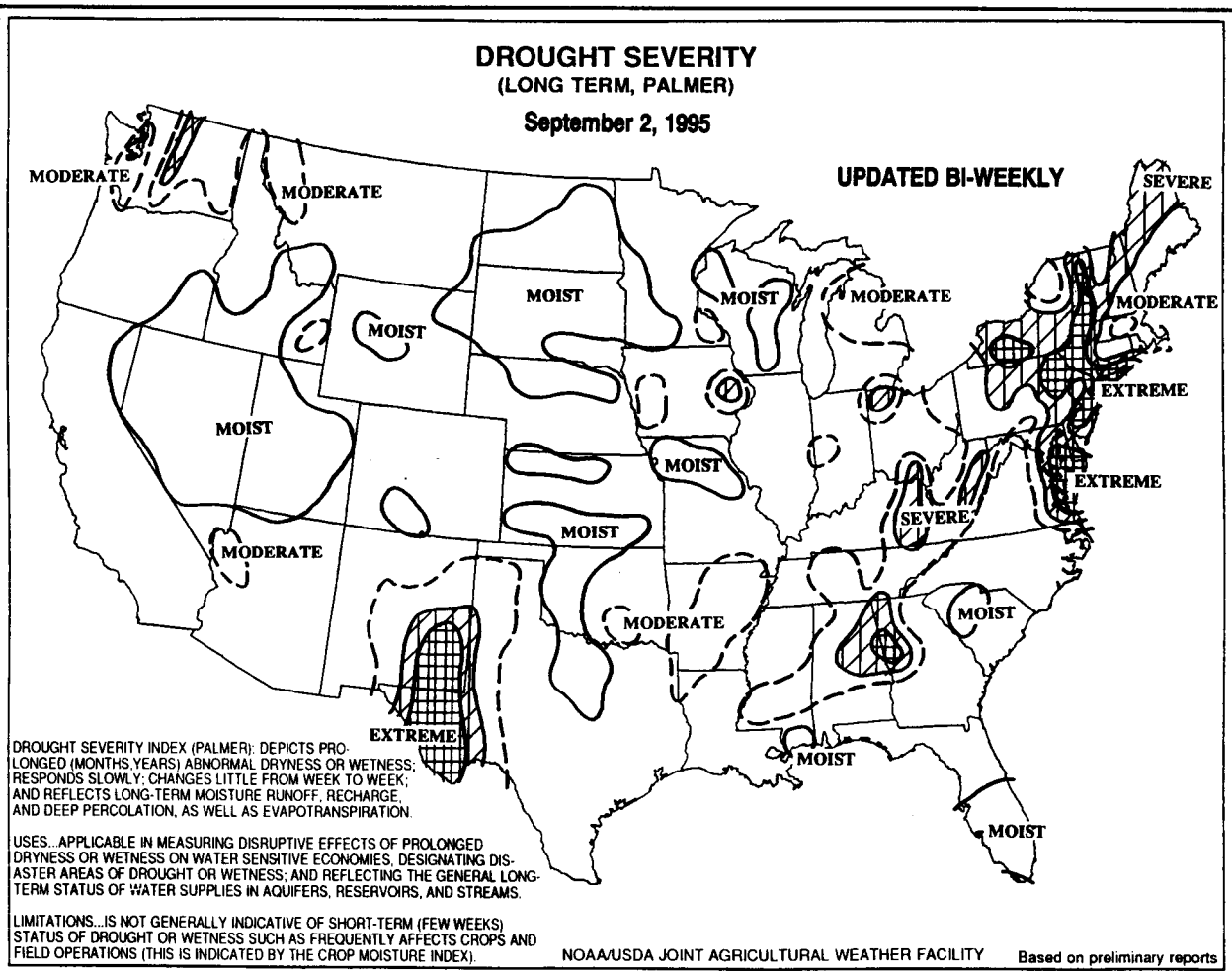
SHADED AREAS:
INDEX INCREASED OR DID NOT CHANGE

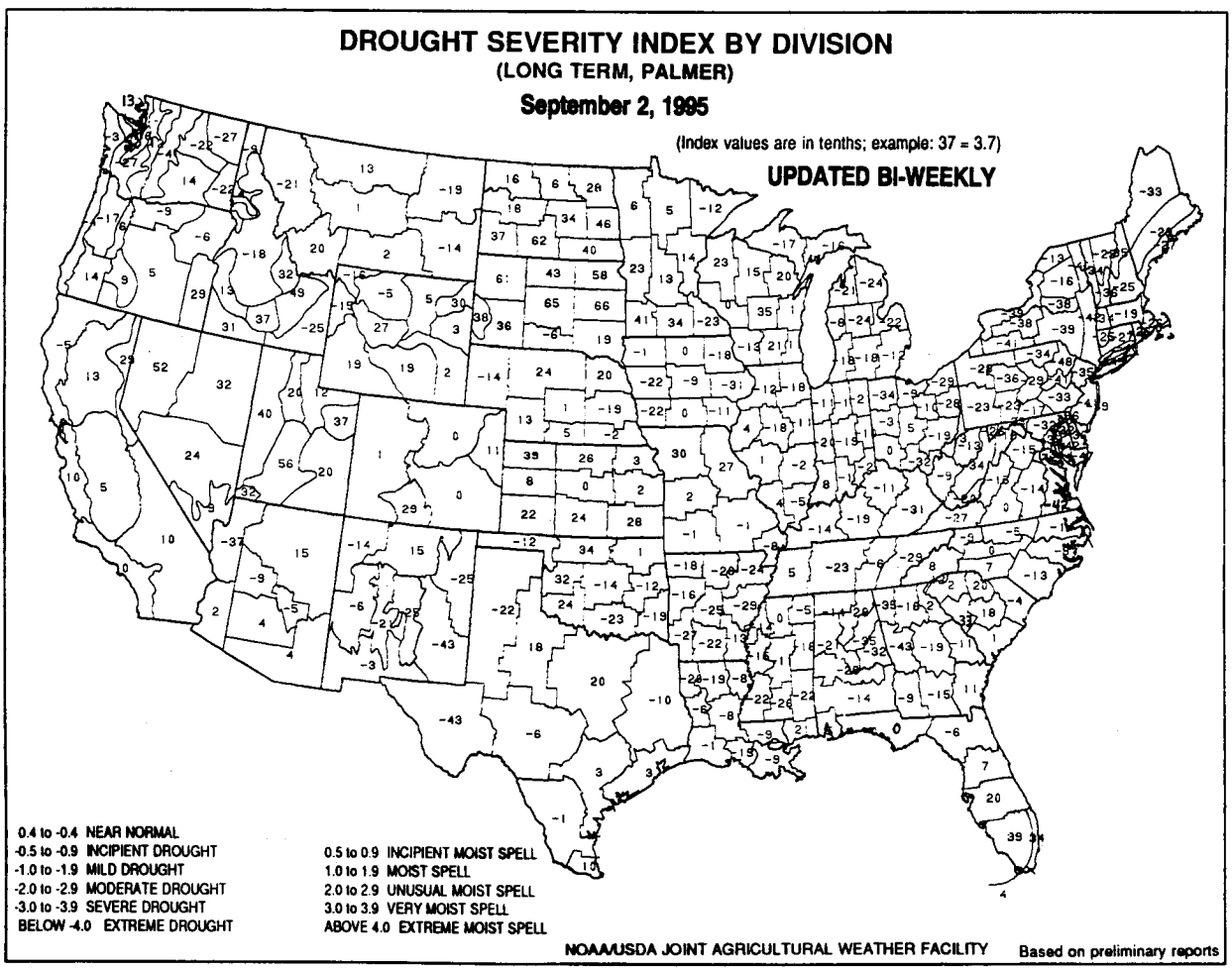
ABOVE 3	EXCESSIVELY WET; SOME FIELDS FLOODED
2 TO 3	TOO WET; SOME STANDING WATER
1 TO 2	SOME FIELDS TOO WET; PROSPECTS ABOVE NORMAL
0 TO 1	MOISTURE ADEQUATE FOR PRESENT CROP NEEDS
0 TO -1	PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2	SOME IMPROVEMENT BUT STILL ABNORMALLY DRY
-2 TO -3	DRYNESS EASED 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

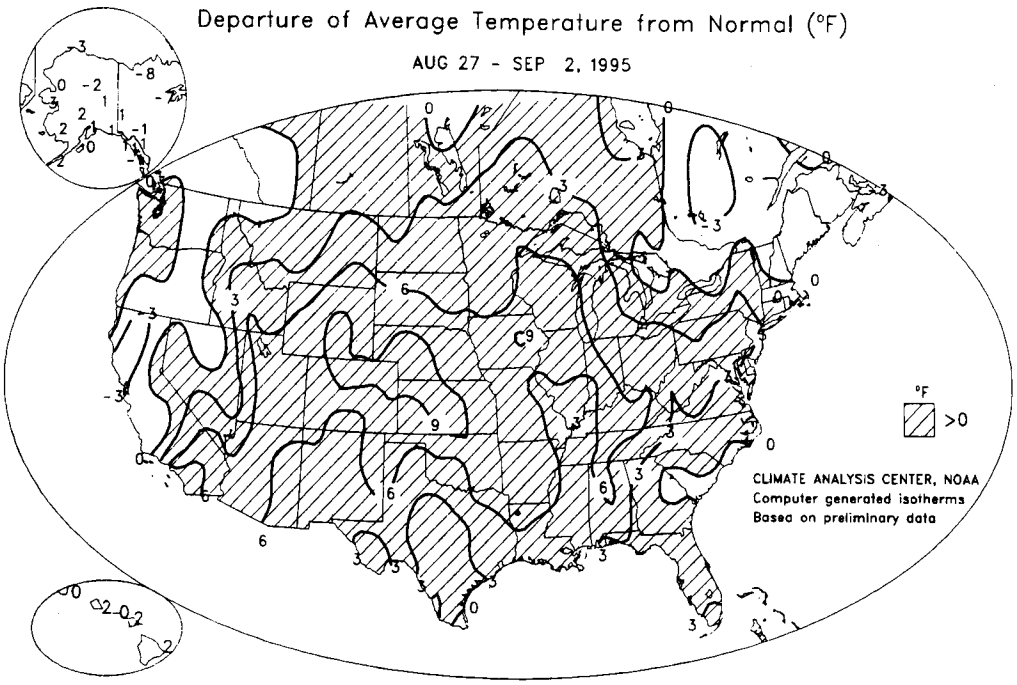
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

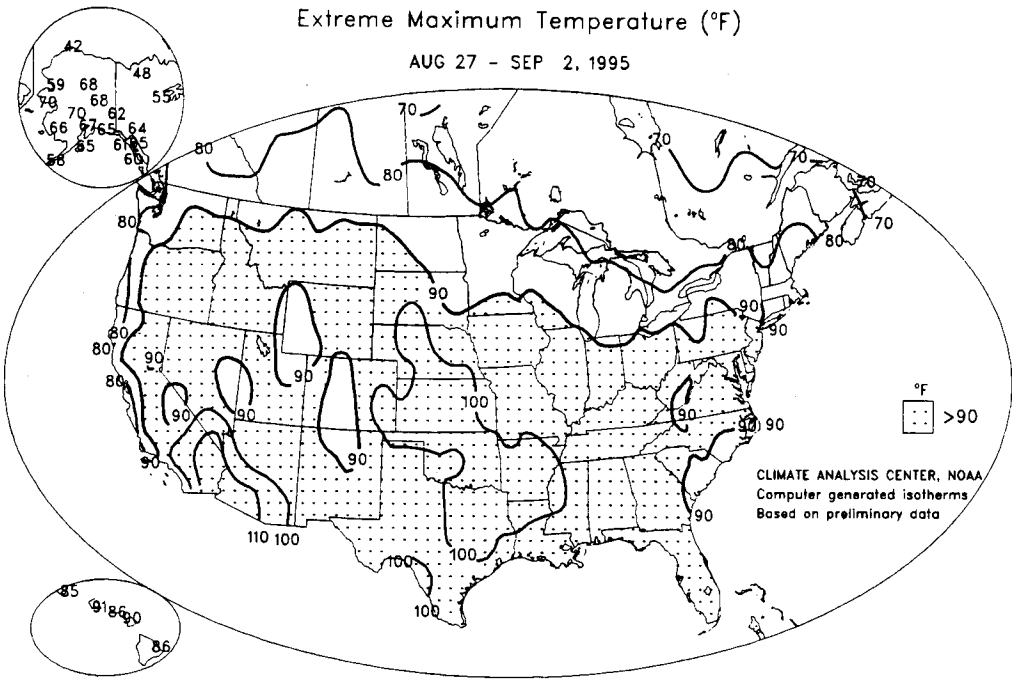

DROUGHT SEVERITY
(LONG TERM, PALMER)
September 2, 1995
UPDATED BI-WEEKLY
MODERATE
MODERATE
MOIST
MOIST
MOIST
MOIST
MODERATE
SEVERE
MODERATE
EXTREME
MOIST
MOIST
EXTREME
SEVERE
MOIST
MODERATE
MODERATE
MOIST
EXTREME
MOIST
MOIST
DROUGHT SEVERITY INDEX (PALMER): DEPICTS PROLONGED (MONTHS,YEARS) ABNORMAL DRYNESS OR WETNESS; RESPONDS SLOWLY; CHANGES LITTLE FROM WEEK TO WEEK; AND REFLECTS LONG-TERM MOISTURE RUNOFF, RECHARGE, AND DEEP PERCOLATION, AS WELL AS EVAPOTRANSPIRATION.
USES...APPLICABLE IN MEASURING DISRUPTIVE EFFECTS OF PROLONGED DRYNESS OR WETNESS ON WATER SENSITIVE ECONOMIES, DESIGNATING DISASTER AREAS OF DROUGHT OR WETNESS; AND REFLECTING THE GENERAL LONG-TERM STATUS OF WATER SUPPLIES IN AQUIFERS, RESERVOIRS, AND STREAMS.
LIMITATIONS...IS NOT GENERALLY INDICATIVE OF SHORT-TERM (FEW WEEKS) STATUS OF DROUGHT OR WETNESS SUCH AS FREQUENTLY AFFECTS CROPS AND FIELD OPERATIONS (THIS IS INDICATED BY THE CROP MOISTURE INDEX).
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


DROUGHT SEVERITY INDEX BY DIVISION
(LONG TERM, PALMER)
September 2, 1995
(Index values are in tenths; example: 37 = 3.7)
UPDATED BI-WEEKLY
0.4 to -0.4 NEAR NORMAL
-0.5 to -0.9 INCIPIENT DROUGHT
-1.0 to -1.9 MILD DROUGHT
-2.0 to -2.9 MODERATE DROUGHT
-3.0 to -3.9 SEVERE DROUGHT
BELOW -4.0 EXTREME DROUGHT
0.5 to 0.9 INCIPIENT MOIST SPELL
1.0 to 1.9 MOIST SPELL
2.0 to 2.9 UNUSUAL MOIST SPELL
3.0 to 3.9 VERY MOIST SPELL
ABOVE 4.0 EXTREME MOIST SPELL
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

(Continued from front cover)
12.32 inches on August 26-27, nearly doubling their former all-time 24-hour record. In addition, their event (August 25-28) total of 14.47 inches easily eclipsed the record of 6.83 inches, set on August 20-25, 1967. In **Greensboro, NC**, a 4.52-inch rainfall on Sunday made for their wettest August day and fifth wettest day on record. Daily rainfall records were established for August 27 in **Charlotte, NC** (4.39 inches) and **Florence, SC** (4.18 inches). In **Greensboro, NC**, a 25-day stretch of dry weather--their fourth longest on record--ended on August 25, followed 2 days later by more than 2 inches of rain.

But outside the periphery of Jerry's effects, serious dryness intensified. Light rain (0.02 inches) finally fell in **New York's Central Park** on August 31, ending an August-record 24-day dry spell, but lifting their monthly total to a mere 0.18 inches, also an August record. August low-rainfall records were also established in locations such as **Harrisburg, PA** (0.53 inches) and **Allentown, PA** (0.76 inches). The week ended with a 27th consecutive dry day at **Washington's National Airport**, 5 days shy of their all-time record. Farther west, dryness also continued to worsen across parts of the Nation's mid-section. Monthly rainfall included 0.35 inches in **Little Rock, AR**, 0.29 inches in **Dubuque, IA**, and an August-record 0.08 inches in **Scottsbluff, NE**.





September began with cooler air spilling across the **Midwest** and into the **East**, but no relief farther west or south. The reading of 101°F in **Springfield, MO** on Thursday was their highest since August 1, 1987. On Friday, **Shreveport, LA** registered 105°F. A day later, September records were established in **Apalachicola, FL** (97°F) and **Lake Charles, LA** (100°F). Farther west, highs on Saturday reached triple-digit, daily-record levels in **Dodge City, KS** (103°F) and **Houston, TX** (101°F). Highs regularly topped 110°F in the valleys of the **Southwest**, with a daily-record high of 109°F as far north as **St. George, UT** on Thursday. In the **East**, the duration and intensity of the recent heat set August records for the most 90-degree days in **Pittsburgh, PA** (15) and **Bristol, TN** (21). In **Birmingham, AL**, an August record for 100-degree days (8) was tied on Wednesday en route to their hottest month on record (84.4°F), topping July 1980. A multitude of other locations noted August average-temperature records, including **Cheyenne, WY**, **Detroit, MI**, **Toledo, OH**, **Cleveland, OH**, **Williamsport, PA**, **Raleigh-Durham, NC**, and **Nashville, TN**.

Selected weekly rainfall in the **North-Central States**--most of which fell before midweek--included 4.83 inches in **Sault Sainte Marie, MI**, 2.44 inches in **Waterloo, IA**, and 1.79 inches in **Wausau, WI**. Farther south, early-week rainfall approached 2 inches in **Austin, TX**. After midweek, scattered thunderstorms shifted into the **Central States**, where totals reached 1.53 inches in **Topeka, KS** and 1.49 inches in **Lincoln, NE**. Thunderstorms brought additional rainfall to the **southern Middle Atlantic region** on Friday, including 1.86 inches in **Richmond, VA**. Farther south, multi-layered tropical moisture remained entrenched over **southern Florida**, where **Daytona Beach** received a half-inch or more of rain on 5 consecutive days from Monday to Friday, totaling 7.80 inches.

National Weather Data for Selected Cities

Weather Data for the Week Ending September 2, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	98	70	100	63	84	6	.0	-.8	.0	.0	0	24.3	63	88	37	7	0	0	0
MOBILE	95	72	96	71	83	3	.0	-1.5	.0	.0	0	53.5	116	91	50	7	0	0	0
MONTGOMERY	96	69	97	66	83	4	.5	-.4	.5	.5	196	27.2	68	89	42	7	0	1	1
AK ANCHORAGE	61	50	67	43	55	2	.6	.0	.2	.2	133	9.9	108	92	67	0	0	4	0
BARROW	36	29	42	27	33	-3	.1	-.1	.1	T	0	2.6	89	94	79	0	7	2	0
FAIRBANKS	61	45	68	40	53	0	.4	.1	.3	.1	122	7.1	94	93	64	0	0	4	0
JUNEAU	58	49	65	40	54	1	.9	-.5	.4	.4	90	--	--	98	77	0	0	4	0
KODIAK	60	48	65	41	54	0	1.2	-.2	.4	.0	0	51.8	126	96	68	0	0	5	0
NOME	58	44	70	35	51	3	.8	.2	.4	.3	183	10.2	108	92	64	0	0	5	0
AZ PHOENIX	109	86	111	83	97	8	.0	-.2	.0	.0	0	6.6	144	44	16	7	0	0	0
PRESCOTT	94	62	97	57	78	10	T	-.6	T	T	17	6.5	48	54	17	6	0	1	0
TUCSON	101	75	104	74	88	5	T	-.4	T	.0	0	7.5	97	61	23	7	0	1	0
YUMA	110	86	112	85	98	8	.2	.1	.1	.2	600	2.2	114	51	22	7	0	2	0
AR FORT SMITH	99	71	101	69	85	7	T	-.7	T	.0	0	27.3	101	90	34	7	0	0	0
LITTLE ROCK	97	75	101	69	86	8	.0	-.8	.0	.0	0	25.4	80	72	33	7	0	0	0
CA BAKERSFIELD	94	65	97	60	79	-1	.0	.0	.0	.0	0	7.9	199	65	21	6	0	0	0
EUREKA	67	54	71	49	60	2	.1	-.1	.1	.0	0	36.2	168	89	64	0	0	1	0
FRESNO	94	61	98	58	78	0	.0	.0	.0	.0	0	15.2	217	67	21	7	0	0	0
LOS ANGELES	83	65	86	62	74	3	T	-.1	T	T	0	21.0	265	82	43	0	0	0	0
REDDING	92	53	95	51	73	-5	.0	-.1	.0	.0	0	46.6	240	70	16	4	0	0	0
SACRAMENTO	88	55	92	53	71	-3	.0	.0	.0	.0	0	23.8	221	--	--	2	0	0	0
SAN DIEGO	84	67	88	65	75	3	.0	.0	.0	.0	0	15.9	251	83	42	0	0	0	0
SAN FRANCISCO	68	53	70	50	60	-4	T	.0	T	T	0	21.0	171	97	63	0	0	0	0
CO DENVER	93	61	97	57	77	9	.0	-.3	.0	.0	0	12.7	108	65	18	7	0	0	0
GRAND JUNCTION	96	65	99	62	81	7	T	-.2	T	.0	0	8.5	130	54	15	7	0	0	0
PUEBLO	95	59	99	56	77	6	.1	-.2	.1	.1	156	13.1	146	83	25	7	0	1	0
CT BRIDGEPORT	83	64	86	56	73	3	.1	-.6	.1	.0	0	17.9	63	74	40	0	0	1	0
HARTFORD	83	54	89	48	69	0	.1	-.8	.1	.0	0	21.7	74	83	38	0	0	1	0
DC WASHINGTON	89	70	95	64	79	3	T	-.8	T	T	0	20.5	78	83	42	4	0	0	0
FL PANAMA CITY	91	74	94	72	83	3	2.1	.5	2.1	.0	0	33.4	70	89	51	6	0	1	1
DAYTONA BEACH	88	74	92	71	81	0	7.8	6.3	3.8	3.8	864	34.6	107	97	73	3	0	5	5
JACKSONVILLE	87	74	91	71	81	0	.1	-1.3	.1	T	2	35.9	106	92	67	2	0	2	0
KEY WEST	92	82	93	79	87	3	.3	-1.0	.3	.3	64	22.9	92	81	63	7	0	2	0
MIAMI	91	79	94	77	85	2	4.2	2.3	2.4	.2	40	56.0	145	91	62	5	0	5	2
ORLANDO	89	76	94	75	83	0	.7	-.8	.4	.1	11	33.1	93	97	70	4	0	4	0
TALLAHASSEE	94	72	98	67	83	3	T	-1.5	T	.0	0	37.7	77	87	48	7	0	1	0
TAMPA	89	78	90	76	83	1	1.1	-.6	.6	.2	47	44.6	137	92	66	4	0	5	1
WEST PALM BEACH	92	77	94	75	84	2	1.7	.2	.7	.6	133	43.0	110	96	64	7	0	6	2
GA ATLANTA	87	70	90	65	78	2	.2	-.6	.1	.1	29	28.4	78	90	55	1	0	2	0
AUGUSTA	87	69	90	63	78	0	.3	-.6	.2	.2	92	30.4	92	97	59	2	0	3	0
MACON	89	69	91	65	79	0	1.1	.4	1.0	1.0	495	30.2	92	97	57	5	0	2	1
SAVANNAH	88	74	90	72	81	1	T	-1.5	T	.0	0	41.4	110	93	62	2	0	1	0
HI HILO	85	71	86	70	78	2	4.4	2.4	1.1	.5	81	60.9	72	93	66	0	0	7	4
HONOLULU	91	76	91	75	84	2	T	-.1	T	.0	0	10.3	85	71	44	7	0	0	0
KAHULUI	89	73	90	69	81	2	T	-.1	T	.0	0	9.1	68	74	50	2	0	1	0
LIHUE	85	75	85	74	80	0	.2	-.2	.2	.0	0	16.1	63	80	67	0	0	1	0
ID BOISE	90	53	96	47	71	2	.0	-.1	.0	.0	0	9.0	117	64	13	5	0	0	0
LEWISTON	88	55	97	51	72	1	T	-.2	T	.0	0	11.2	132	64	27	3	0	0	0
POCATELLO	91	47	95	38	69	4	.1	-.1	.1	.1	200	12.1	149	70	15	5	0	1	0
IL CHICAGO	86	66	92	54	76	7	.2	-.8	.2	.0	0	23.4	96	85	39	1	0	1	0
MOLINE	89	66	95	56	78	8	T	-.9	T	T	0	26.9	97	90	44	4	0	0	0
PEORIA	89	65	93	51	77	6	.0	-.8	.0	.0	0	26.3	106	91	44	4	0	0	0
QUINCY	86	67	92	55	76	5	T	-.9	T	T	0	23.4	87	81	47	2	0	0	0
ROCKFORD	84	64	91	51	74	6	.2	-.8	.2	T	0	23.7	94	96	52	1	0	1	0
SPRINGFIELD	90	65	94	51	78	6	T	-.8	T	.0	0	25.9	107	90	44	5	0	0	0
IN EVANSVILLE	92	69	99	59	81	6	.1	-.6	.1	.0	0	38.4	120	87	41	5	0	1	0
FORT WAYNE	87	64	92	51	76	6	T	-.7	T	T	0	24.5	102	97	49	1	0	1	0
INDIANAPOLIS	89	66	93	57	77	6	.5	-.2	.5	T	0	26.7	95	91	50	4	0	1	1
SOUTH BEND	83	63	89	49	73	5	.1	-.8	.1	.0	0	31.3	120	93	57	0	0	1	0
IA DES MOINES	89	67	97	60	78	10	.1	-.8	.1	.1	26	25.1	102	86	43	4	0	1	0
SIOUX CITY	87	65	95	53	76	7	T	-.7	T	T	0	17.7	91	89	49	4	0	0	0
WATERLOO	86	64	95	55	75	8	2.4	1.6	1.3	.0	0	22.9	93	94	50	3	0	2	2
KS CONCORDIA	93	71	100	65	82	9	T	-.8	T	.0	0	22.3	101	78	40	4	0	0	0
DODGE CITY	100	67	103	63	84	9	.1	-.5	.1	.0	0	17.4	103	80	25	7	0	1	0
GOODLAND	95	62	98	54	79	9	T	-.4	T	T	0	17.4	119	80	30	7	0	0	0
TOPEKA	93	69	100	65	81	8	1.5	.6	1.3	1.5	581	33.6	133	90	43	4	0	3	1
WICHITA	96	71	99	69	84	8	.0	-.9	.0	.0	0	31.5	127	85	41	7	0	0	0
KY BOWLING GREEN	93	70	99	65	81	7	.0	-.8	.0	.0	0	25.1	72	92	41	5	0	0	0
LEXINGTON	89	66	95	55	77	5	T	-.8	T	T	4	37.8	119	94	51	3	0	1	0
LOUISVILLE	91	69	96	60	80	6	T	-.7	T	T	0	28.4	90	87	50	5	0	0	0
LA BATON ROUGE	96	75	97	74	85	4	T	-1.3	T	T	0	51.3	119	96	45	7	0	0	0
LAKE CHARLES	98	77	100	76	87	7	.8	-.5	.8	T	3	44.2	122	96	50	7	0	3	1
NEW ORLEANS	96	74	98	69	85	4	.0	-1.4	.0	.0	0	54.1	124	94	47	7	0	0	0
SHREVEPORT	101	74	105	72	88	8	T	-.7	T	T	0	31.9	96	85	31	7	0	1	0

Based on 1961-90 normals.

Weather Data for the Week Ending September 2, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME CARIBOU	70	47	76	40	59	-1	.8	-.1	.3	.2	72	21.0	89	94	47	0	0	4	0
PORTLAND	76	51	86	42	64	-1	.1	-.5	.1	T	0	22.3	80	89	40	0	0	1	0
MD BALTIMORE	89	68	95	63	78	5	T	-.9	T	T	0	20.1	72	78	42	3	0	0	0
SALISBURY	89	64	99	57	76	3	.2	-.9	.2	.2	76	15.8	50	93	45	2	0	1	0
MA BOSTON	78	61	89	55	69	0	T	-.7	T	T	0	16.7	62	75	48	0	0	1	0
CHATHAM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-	-	-	-
MI ALPENA	77	47	83	43	62	0	.3	-.5	.3	.3	113	15.6	80	94	51	0	0	1	0
DETROIT	82	64	90	55	73	5	T	-.8	T	.0	0	19.2	86	84	53	1	0	0	0
FLINT	79	58	88	45	68	2	.0	-.9	.0	.0	0	16.6	83	93	58	0	0	0	0
GRAND RAPIDS	80	60	87	48	70	4	.1	-.8	.1	.1	36	25.1	109	93	57	0	0	1	0
HOUGHTON LAKE	78	57	83	46	68	5	.2	-.6	.1	.1	33	20.9	112	88	53	0	0	2	0
LANSING	79	58	84	43	69	3	.1	-.8	.1	T	0	17.1	84	97	57	0	0	1	0
MARQUETTE	75	54	85	49	65	5	T	-.9	T	T	0	23.6	105	93	50	0	0	0	0
MUSKEGON	79	60	85	46	70	4	.2	-.7	.2	.0	0	18.2	91	94	59	0	0	2	0
SAULT ST. MARIE	71	50	77	46	60	0	4.8	4.0	3.9	.7	288	25.0	118	98	48	0	0	3	2
MN ALEXANDRIA	78	60	84	55	69	4	.1	-.6	.1	.0	0	17.0	90	95	60	0	0	1	0
DULUTH	76	57	84	47	67	6	.8	-.1	.5	T	7	23.7	113	92	52	0	0	4	0
INT'L FALLS	79	49	83	41	64	4	.1	-.6	.1	.0	0	15.1	86	95	45	0	0	1	0
MINNEAPOLIS	82	63	90	52	73	6	.3	-.5	.2	.0	0	17.8	85	88	59	1	0	3	0
ROCHESTER	82	63	89	52	72	7	.3	-.6	.3	.0	0	19.7	92	95	57	0	0	1	0
MS GREENWOOD	99	71	102	68	85	6	.1	-.5	.1	.0	0	29.6	80	91	37	7	0	1	0
JACKSON	98	70	99	65	84	5	.0	-.7	.0	.0	0	39.3	104	90	35	7	0	0	0
MERIDIAN	97	68	97	63	82	3	.0	-.8	.0	.0	0	35.3	89	97	40	7	0	0	0
MO CAPE GIRARDEAU	92	66	98	57	79	4	T	-.8	T	.0	0	30.2	95	92	39	5	0	1	0
COLUMBIA	91	65	97	57	78	6	T	-.8	T	T	0	42.5	164	93	48	4	0	0	0
KANSAS CITY	89	68	95	63	79	6	.5	-.5	.4	.1	41	30.8	117	90	52	4	0	2	0
SAINT LOUIS	90	72	96	62	81	6	T	-.7	T	T	0	34.8	136	82	42	5	0	0	0
SPRINGFIELD	95	69	101	64	82	8	.6	-.5	.5	T	12	35.5	123	83	36	5	0	2	1
MT BILLINGS	86	55	96	48	70	4	.0	-.3	.0	.0	0	13.0	118	64	19	2	0	0	0
GLASGOW	85	53	95	48	69	4	T	-.3	T	.0	0	11.2	129	80	22	1	0	0	0
GREAT FALLS	85	42	93	38	64	1	.0	-.4	.0	.0	0	11.9	101	73	18	1	0	0	0
HAVRE	82	45	92	40	64	0	.0	-.3	.0	.0	0	13.3	154	84	22	1	0	0	0
HELENA	88	44	95	37	66	3	.0	-.3	.0	.0	0	9.0	102	80	25	4	0	0	0
KALISPELL	77	38	85	33	58	-2	.1	-.3	.1	.0	0	12.8	112	91	28	0	0	1	0
MILES CITY	91	57	101	51	74	6	T	-.2	T	.0	0	10.7	99	68	17	3	0	1	0
MISSOULA	86	42	94	38	64	2	.0	-.3	.0	.0	0	9.0	93	79	21	3	0	0	0
NE GRAND ISLAND	90	65	99	57	77	7	.8	.1	.8	.0	0	19.7	103	88	43	4	0	1	1
LINCOLN	91	67	100	61	79	7	1.5	.7	1.3	1.3	558	20.3	98	93	47	4	0	3	1
NORFOLK	88	68	95	60	78	9	T	-.6	T	.0	0	24.7	126	81	46	3	0	1	0
NORTH PLATTE	94	63	99	51	79	11	T	-.4	T	.0	0	14.4	92	77	33	5	0	0	0
OMAHA	89	68	97	59	78	7	.1	-.7	.1	T	0	21.3	99	87	51	3	0	1	0
SCOTTSBLUFF	91	58	97	54	74	7	.1	-.2	.1	T	0	13.3	109	90	30	5	0	1	0
VALENTINE	92	62	102	53	77	8	T	-.6	T	.0	0	17.1	97	91	28	5	0	1	0
NV ELY	88	47	90	40	67	5	.1	-.1	.1	.1	150	10.2	146	56	13	2	0	1	0
LAS VEGAS	105	79	109	77	92	6	T	-.1	T	T	0	3.7	129	38	13	7	0	0	0
RENO	91	47	96	45	69	3	.0	-.1	.0	.0	0	10.0	203	60	13	4	0	0	0
WINNEMUCCA	92	39	96	34	66	0	T	-.1	T	T	0	8.1	147	59	7	5	0	0	0
NH CONCORD	81	47	84	43	64	-1	.1	-.6	.1	.0	0	20.9	88	85	36	0	0	1	0
NJ ATLANTIC CITY	84	60	93	51	72	1	.0	-.8	.0	.0	0	21.0	75	93	50	1	0	0	0
NM ALBUQUERQUE	92	66	96	64	79	6	.3	.0	.3	.0	0	3.2	52	68	26	5	0	1	0
CLOVIS	94	66	96	64	80	7	T	-.6	T	.0	0	7.8	60	73	23	7	0	1	0
ROSWELL	95	67	99	63	81	5	--	--	--	--	--	--	--	64	22	7	0	-	-
NY ALBANY	79	53	88	49	66	0	.8	.0	.8	.0	0	17.7	72	87	41	0	0	1	1
BINGHAMTON	79	55	89	52	67	3	.5	-.3	.5	T	4	17.5	71	92	42	0	0	2	0
BUFFALO	78	57	86	51	67	1	.7	-.2	.6	.1	31	19.7	79	86	45	0	0	2	1
NEW YORK	84	69	90	64	77	4	T	-.8	T	.0	0	20.5	71	70	37	1	0	0	0
ROCHESTER	79	56	90	53	68	2	.7	.0	.7	T	0	17.1	81	90	46	1	0	1	1
SYRACUSE	78	53	88	48	66	0	1.1	.3	.8	.3	112	15.6	62	90	45	0	0	2	1
NC ASHEVILLE	83	64	89	56	74	3	2.4	1.1	2.3	T	9	41.1	106	98	54	0	0	2	1
CHARLOTTE	85	70	88	64	77	1	4.6	3.8	4.4	.1	46	32.4	109	91	60	0	0	5	1
GREENSBORO	85	67	91	58	76	2	5.3	4.4	4.5	.6	258	28.9	98	93	55	2	0	3	2
HATTERAS	83	74	88	71	78	1	6.7	5.3	5.0	T	0	45.3	123	91	57	0	0	2	2
NEW BERN	86	70	90	68	78	1	1.5	.1	.7	T	5	17.5	44	96	60	2	0	3	2
RALEIGH	86	67	90	60	76	1	2.6	1.8	2.3	.3	133	30.8	105	99	43	1	0	3	1
WILMINGTON	85	68	88	66	77	0	2.1	.5	2.0	.1	28	45.4	113	97	59	0	0	2	1
ND BISMARCK	82	55	89	46	68	4	.1	-.3	.1	.0	0	15.9	130	95	47	0	0	1	0
FARGO	83	60	88	52	72	7	T	-.5	T	.0	0	15.2	104	91	51	0	0	0	0
GRAND FORKS	82	55	85	51	68	5	.7	.2	.7	.0	0	19.6	143	91	43	0	0	1	1
WILLISTON	83	52	93	44	68	4	T	-.3	T	.0	0	12.6	118	89	30	1	0	0	0
OH AKRON-CANTON	83	60	90	50	72	3	.0	-.7	.0	.0	0	26.0	102	87	44	1	0	0	0
CINCINNATI	88	65	96	58	77	5	T	-.7	T	.0	0	31.4	108	92	47	4	0	1	0
CLEVELAND	84	63	93	54	74	5	.0	-.8	.0	.0	0	28.6	116	88	53	1	0	0	0
COLUMBUS	86	63	93	52	75	7	.0	-.8	.0	.0	0	35.7	136	93	47	2	0	0	0
DAYTON	86	64	92	53	75	5	T	-.7	T	T	0	39.8	154	90	49	2	0	0	0

Based on 1961-90 normals.

Weather Data for the Week Ending September 2, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	86	63	91	52	75	7	.0	-.7	.0	.0	0	20.2	90	91	51	1	0	0	0
YOUNGSTOWN	84	57	93	47	71	4	.0	-.8	.0	.0	0	20.7	81	91	43	1	0	0	0
OK OKLAHOMA CITY	98	69	99	67	83	5	.0	-.7	.0	.0	0	22.8	99	81	32	7	0	0	0
TULSA	100	73	101	71	86	8	.0	-.9	.0	.0	0	33.9	125	80	33	7	0	0	0
OR ASTORIA	70	52	78	49	61	1	.3	-.2	.3	.0	0	38.0	102	97	63	0	0	2	0
BURNS	84	36	90	31	60	0	.0	-.2	.0	.0	0	9.8	156	65	15	3	2	0	0
MEDFORD	88	51	95	47	70	-1	.0	-.2	.0	.0	0	14.3	143	84	19	3	0	0	0
PENDLETON	86	51	96	47	68	0	T	-.1	T	.0	0	11.6	155	74	23	2	0	0	0
PORTLAND	81	56	91	54	69	2	.2	-.2	.1	.0	0	22.4	109	87	37	1	0	2	0
SALEM	78	53	89	46	66	0	.2	.0	.2	.0	0	26.2	121	97	43	0	0	1	0
PA ALLENTOWN	85	60	91	53	73	3	.0	-1.0	.0	.0	0	22.2	75	78	34	2	0	0	0
ERIE	79	62	91	56	70	2	.0	-1.0	.0	.0	0	20.3	78	83	53	1	0	0	0
HARRISBURG	87	67	93	64	77	5	T	-.8	T	.0	0	21.8	79	83	45	4	0	0	0
PHILADELPHIA	88	68	90	64	78	7	T	-.9	T	.0	0	16.5	53	86	40	3	0	0	0
PITTSBURGH	87	62	95	55	74	6	.0	-.7	.0	.0	0	19.6	75	78	35	3	0	0	0
SCRANTON	83	60	92	55	72	5	T	-.7	T	.0	0	15.1	61	82	37	1	0	1	0
RI PROVIDENCE	82	58	87	51	70	1	T	-.8	T	T	0	20.9	70	80	37	0	0	1	0
SC CHARLESTON	87	72	89	70	79	0	2.8	1.3	2.1	.3	68	35.4	92	96	62	0	0	3	1
COLUMBIA	88	70	91	63	79	1	.4	-.8	.3	.3	81	41.1	111	95	58	3	0	3	0
FLORENCE	87	70	91	67	79	1	.3	-.7	.3	T	0	30.7	95	95	52	2	0	2	0
GREENVILLE	87	69	94	64	78	2	3.4	2.6	3.4	.0	0	44.8	125	92	56	3	0	1	1
SD ABERDEEN	82	59	84	51	70	4	.3	-.3	.3	T	0	17.4	105	94	58	0	0	1	0
HURON	83	61	87	52	72	4	.5	.1	.5	.0	0	23.9	151	93	56	0	0	1	1
RAPID CITY	89	59	99	50	74	7	T	-.3	T	.0	0	15.8	119	80	33	4	0	1	0
SIOUX FALLS	85	63	93	54	74	7	2.6	1.9	1.8	.1	33	25.4	145	92	54	1	0	3	2
TN CHATTANOOGA	90	69	95	61	80	3	.7	-.2	.6	.6	219	34.6	94	94	47	5	0	3	1
KNOXVILLE	91	68	96	63	80	5	.5	-.2	.5	.5	235	28.7	86	93	45	4	0	2	0
MEMPHIS	96	73	99	66	84	5	.0	-.8	.0	.0	0	39.7	113	86	38	7	0	0	0
NASHVILLE	95	71	99	63	83	7	T	-.8	T	.0	0	32.0	98	90	40	6	0	1	0
TX ABILENE	94	70	97	66	82	1	T	-.7	T	.0	0	19.2	117	74	34	6	0	1	0
AMARILLO	94	65	96	61	80	6	T	-.7	T	.0	0	14.5	95	73	27	7	0	0	0
AUSTIN	96	73	98	71	85	1	2.0	1.4	1.2	.0	0	25.9	123	90	45	7	0	3	2
BEAUMONT	96	74	97	73	85	3	T	-1.4	T	.0	0	39.0	104	98	50	7	0	0	0
BROWNSVILLE	90	75	92	74	83	-1	.6	-.4	.5	.2	44	16.4	107	98	63	5	0	3	0
CORPUS CHRISTI	92	76	96	74	84	1	.4	-.7	.4	T	0	19.2	101	93	56	6	0	1	0
DEL RIO	97	75	100	71	86	4	T	-.7	T	T	0	8.3	50	79	45	7	0	0	0
EL PASO	96	69	98	65	82	4	T	-.4	T	.0	0	4.4	80	55	22	7	0	0	0
FORT WORTH	98	75	100	71	87	7	T	-.7	T	.0	0	30.3	125	82	38	7	0	1	0
GALVESTON	93	83	96	82	88	6	.1	-1.2	.1	.0	0	10.5	39	79	52	7	0	1	0
HOUSTON	97	74	101	72	86	5	T	-1.1	T	.0	0	30.7	90	90	48	7	0	1	0
LUBBOCK	95	67	97	62	81	5	T	-.6	T	.0	0	9.8	75	74	28	7	0	1	0
MIDLAND	95	67	98	63	81	3	.0	-.6	.0	.0	0	8.6	89	74	26	7	0	0	0
SAN ANGELO	96	67	100	63	82	2	T	-.6	T	.0	0	15.2	117	82	29	7	0	0	0
SAN ANTONIO	95	72	100	69	84	0	.1	-.6	.1	.0	0	16.1	78	89	41	7	0	1	0
VICTORIA	94	75	98	72	85	3	.5	-.6	.5	.0	0	21.5	76	93	44	7	0	1	1
WACO	96	72	99	70	84	1	1.6	1.1	1.6	.0	0	29.8	142	96	41	7	0	1	1
WICHITA FALLS	100	72	101	69	86	6	.0	-.8	.0	.0	0	19.9	92	74	30	7	0	0	0
UT CEDAR CITY	91	59	94	54	75	6	T	-.3	T	T	0	8.3	105	48	18	4	0	0	0
SALT LAKE CITY	94	65	98	57	80	8	.2	-.1	.1	.2	229	13.2	121	66	17	7	0	2	0
VT BURLINGTON	76	51	82	45	64	-1	T	-.8	T	.0	0	17.5	76	86	43	0	0	2	0
VA NORFOLK	85	70	94	65	77	2	1.6	.6	.9	1.3	455	22.5	71	88	55	2	0	4	1
RICHMOND	87	66	95	59	77	2	2.3	1.4	1.8	1.9	775	22.8	76	93	34	3	0	3	1
ROANOKE	87	65	93	58	76	4	.4	-.4	.4	.1	25	29.3	105	90	40	4	0	2	0
WA QUILLAYUTE	72	48	81	45	60	1	.0	-.7	.0	.0	0	54.2	91	94	60	0	0	0	0
SEATTLE-TACOMA	77	55	82	53	66	2	T	-.3	T	.0	0	21.0	103	87	44	0	0	1	0
SPOKANE	82	49	90	47	65	0	.1	-.1	.1	.0	0	14.4	139	79	21	1	0	1	0
YAKIMA	84	46	94	42	65	-1	.0	-.1	.0	.0	0	6.0	127	77	29	2	0	0	0
WV BECKLEY	80	59	88	48	70	3	.2	-.6	.2	.2	70	28.7	100	91	53	0	0	1	0
CHARLESTON	85	63	92	53	74	2	T	-.8	T	T	4	34.2	115	98	51	1	0	1	0
HUNTINGTON	88	65	95	55	76	6	T	-.8	T	T	0	30.5	101	93	47	2	0	0	0
PARKERSBURG	86	62	93	50	74	3	T	-.8	T	T	0	--	--	96	47	2	0	0	0
WI GREEN BAY	80	63	88	57	72	8	.3	-.5	.2	.0	0	18.3	93	93	56	0	0	3	0
LACROSSE	84	66	93	56	75	8	--	--	--	.0	0	22.4	102	97	53	1	0	0	0
MADISON	83	63	90	55	73	7	1.2	.3	1.1	.0	0	23.6	105	89	55	1	0	3	1
MILWAUKEE	81	66	88	58	73	7	1.3	.5	.7	.0	0	20.8	92	92	59	0	0	3	2
WAUSAU	79	62	86	53	70	7	1.8	.8	1.5	.0	0	25.2	111	94	56	0	0	2	1
WY CASPER	93	55	97	45	74	9	.4	.2	.4	.4	617	14.7	160	69	12	6	0	1	0
CHEYENNE	90	57	95	51	73	10	.5	.2	.5	.5	520	15.9	138	72	18	5	0	3	1
LANDER	89	57	93	51	73	8	T	-.2	T	T	0	15.1	159	44	15	3	0	0	0
SHERIDAN	91	52	99	41	71	7	.0	-.2	.0	.0	0	12.4	118	69	20	4	0	0	0
PR SAN JUAN	92	78	94	75	85	2	.8	-.4	.6	.1	31	35.7	115	84	61	7	0	5	1

Based on 1961-90 normals.

TEMPERATURE AND PRECIPITATION SUMMARY
August 1995

STATES AND STATIONS	Temp. °F AVERAGE	Temp. °F DEPARTURE	Precip. TOTAL	Precip. DEPARTURE
AL BIRMINGHAM	85	6	1.6	-2.0
HUNTSVILLE	82	4	1.4	-2.1
MOBILE	83	2	7.6	0.6
MONTGOMERY	83	3	1.6	-2.6
AK ANCHORAGE	58	2	2.2	-0.2
BARROW	37	-1	0.3	-0.6
FAIRBANKS	57	1	2.1	0.1
JUNEAU	55	0	4.6	-0.7
KODIAK	56	1	4.3	-0.8
NOME	50	0	1.8	-0.9
AZ FLAGSTAFF	67	3	2.3	-0.5
PHOENIX	95	3	3.5	2.5
PRESCOTT	77	7	0.5	-2.9
TUCSON	87	3	3.7	1.5
WINSLOW	--	--	--	--
YUMA	97	4	0.0	-0.6
AR FORT SMITH	85	4	0.5	-2.4
LITTLE ROCK	86	6	0.4	-2.6
CA BAKERSFIELD	83	0	0.0	-0.1
BISHOP	--	--	--	--
EUREKA	58	1	0.2	-0.3
FRESNO	83	2	0.0	0.0
LOS ANGELES	69	-2	0.0	-0.2
REDDING	79	0	0.0	-0.5
SACRAMENTO	75	0	0.0	-0.1
SAN DIEGO	72	-1	0.0	-0.1
SAN FRANCISCO	63	-1	T	0.0
SANTA MARIA	63	-1	T	-0.1
CO ALAMOSA	65	3	0.9	-0.3
CO. SPRINGS	72	4	1.8	-1.3
DENVER	75	5	1.0	-0.6
GRAND JUNCTION	79	2	0.5	-0.4
PUEBLO	76	2	2.6	0.6
CT BRIDGEPORT	75	2	1.4	-1.9
HARTFORD	72	0	3.8	0.2
DC WASHINGTON	81	3	0.9	-3.0
FL PANAMA CITY	82	1	10.3	2.3
DAYTONA BEACH	81	0	10.7	4.6
FT. MYERS	84	1	13.8	4.1
JACKSONVILLE	82	1	7.9	2.4
KEY WEST	85	1	2.9	-2.2
MIAMI	84	1	13.2	5.7
ORLANDO	83	1	9.5	2.7
TALLAHASSEE	83	2	2.7	-4.8
TAMPA	83	1	13.8	6.1
WEST PALM BEACH	83	0	19.6	13.0
GA ATHENS	81	3	7.2	3.5
ATLANTA	81	3	5.8	2.2
AUGUSTA	81	1	4.9	0.4
MACON	82	1	2.3	-1.3
SAVANNAH	82	1	17.0	9.6
HI HILO	78	1	13.9	4.6
HONOLULU	83	2	0.4	0.0
KAHULUI	80	1	0.2	-0.3
LIHUE	80	0	1.1	-0.7
ID BOISE	71	-1	0.1	-0.4
LEWISTON	70	-4	1.3	0.5
POCATELLO	68	0	0.7	0.0
IL CAIRO	--	--	--	--
CHICAGO	79	7	3.5	-0.7
MOLINE	78	6	2.5	-1.8
PEORIA	79	6	2.0	-1.2
QUINCY	78	4	3.9	0.2
ROCKFORD	77	6	3.2	-1.0
SPRINGFIELD	80	7	3.7	0.4
IN EVANSVILLE	83	6	3.6	0.3
FORT WAYNE	78	7	2.6	-0.8
INDIANAPOLIS	80	6	4.2	0.5
SOUTH BEND	77	6	8.3	4.6
IA DES MOINES	79	7	1.0	-2.8
DUBUQUE	77	7	0.3	-4.4
SIOUX CITY	77	4	2.0	-1.0
WATERLOO	77	7	5.0	1.3
KS CONCORDIA	80	3	3.8	0.3
DODGE CITY	82	4	0.8	-2.0
GOODLAND	77	4	1.1	-0.7
TOPEKA	81	5	4.3	0.4
WICHITA	81	3	5.5	1.9
KY BOWLING GREEN	82	6	2.5	-1.0
JACKSON	80	6	2.1	-1.8
LEXINGTON	80	5	4.9	1.0
LOUISVILLE	82	7	3.9	0.4
PADUCAH	81	4	3.5	0.2

STATES AND STATIONS	Temp. °F AVERAGE	Temp. °F DEPARTURE	Precip. TOTAL	Precip. DEPARTURE
LA BATON ROUGE	84	2	5.3	-0.7
LAKE CHARLES	86	4	6.0	0.6
NEW ORLEANS	85	3	3.3	-2.9
SHREVEPORT	87	5	0.8	-2.0
ME CARIBOU	66	3	2.9	-1.2
PORTLAND	67	0	0.5	-2.4
MD BALTIMORE	80	4	3.0	-0.9
SALISBURY	78	3	0.4	-4.9
MA BOSTON	73	1	0.8	-2.4
CHATHAM	--	--	--	--
MI ALPENA	69	4	2.3	-1.1
DETROIT	77	7	3.8	0.4
FLINT	74	6	4.2	0.8
GRAND RAPIDS	75	5	3.1	-0.5
HOUGHTON LAKE	72	7	5.6	2.3
LANSING	74	6	2.9	-0.6
MARQUETTE	68	5	4.3	0.9
MUSKEGON	74	5	3.5	0.1
SAULT ST. MARIE	66	3	6.5	2.9
MN ALEXANDRIA	71	2	3.6	0.2
DULUTH	67	4	6.7	2.7
INT'L FALLS	67	3	3.1	0.0
MINNEAPOLIS	75	4	4.6	1.0
ROCHESTER	73	5	3.2	-0.7
ST. CLOUD	71	4	7.3	3.4
MS GREENWOOD	85	4	2.2	-0.4
JACKSON	84	3	5.3	1.9
MERIDIAN	83	2	4.9	1.3
TUPELO	83	3	4.7	1.7
MO CAPE GIRARDEAU	83	6	0.5	-3.0
COLUMBIA	81	6	4.6	1.4
KANSAS CITY	79	3	4.0	0.0
SAINT LOUIS	84	6	4.5	1.7
SPRINGFIELD	82	6	2.2	-1.9
MT BILLINGS	71	0	0.9	-0.1
GLASGOW	70	1	0.9	-0.4
GREAT FALLS	65	-2	0.5	-1.0
HAVRE	66	-3	1.3	0.1
HELENA	65	-2	0.3	-1.0
KALISPELL	59	-4	1.2	-0.2
MILES CITY	75	3	0.5	-0.6
MISSOULA	64	-2	1.2	0.0
NE GRAND ISLAND	78	4	2.2	-0.6
LINCOLN	80	5	1.7	-1.7
NORFOLK	78	5	6.0	3.4
NORTH PLATTE	79	7	0.7	-1.0
OMAHA	80	5	2.5	-0.7
SCOTTSBLUFF	74	2	0.1	-1.0
VALENTINE	77	4	0.8	-2.0
NV ELKO	66	-3	T	-0.7
ELY	67	2	1.4	0.6
LAS VEGAS	93	4	0.1	-0.4
RENO	73	3	T	-0.3
WINNEMUCCA	68	-1	0.0	-0.4
NH CONCORD	69	2	2.4	-0.9
NJ ATLANTIC CITY	73	0	3.2	-0.9
NM ALBUQUERQUE	80	4	0.7	-0.9
CLOVIS	79	4	2.0	-1.2
ROSWELL	82	4	0.9	-1.7
NY ALBANY	71	1	3.6	0.2
BINGHAMTON	72	4	3.0	-0.4
BUFFALO	73	4	2.1	-2.1
NEW YORK	79	4	0.1	-3.6
ROCHESTER	73	5	3.0	-0.4
SYRACUSE	72	3	3.5	0.0
NC ASHEVILLE	75	3	9.2	3.2
CHARLOTTE	80	2	7.1	3.3
GREENSBORO	79	4	5.4	1.5
HATTERAS	80	2	15.1	9.1
NEW BERN	81	3	2.5	-4.1
RALEIGH	81	3	2.7	-1.3
WILMINGTON	80	1	4.1	-3.0
ND BISMARCK	71	3	2.0	0.3
FARGO	72	3	1.8	-0.7
GRAND FORKS	70	3	3.0	0.6
WILLISTON	70	1	2.5	1.2
OH AKRON-CANTON	76	5	2.7	-0.6
CINCINNATI	80	6	5.6	2.2
CLEVELAND	78	7	2.0	-1.4
COLUMBUS	78	8	7.6	4.0
DAYTON	78	6	7.5	4.3
MANSFIELD	76	6	8.7	4.6
TOLEDO	78	9	2.7	-0.5

STATES AND STATIONS	Temp. °F AVERAGE	Temp. °F DEPARTURE	Precip. TOTAL	Precip. DEPARTURE
YOUNGSTOWN	76	7	1.6	-1.8
OK OKLAHOMA CITY	82	0	3.2	0.6
TULSA	85	3	1.4	-1.7
OR ASTORIA	60	0	2.0	0.6
BURNS	61	-3	0.8	0.2
MEDFORD	70	-3	0.0	-0.5
PENDLETON	67	-4	0.3	-0.3
PORTLAND	67	-1	0.8	-0.3
SALEM	65	-2	1.3	0.5
PA ALLENTOWN	75	3	0.8	-3.5
ERIE	75	5	3.5	-0.5
HARRISBURG	78	4	0.5	-2.8
PHILADELPHIA	80	7	1.2	-2.7
PITTSBURGH	78	7	1.8	-1.5
SCRANTON	75	5	1.4	-1.9
WILLIAMSPORT	76	5	0.9	-2.5
RI PROVIDENCE	74	2	1.8	-1.8
SC CHARLESTON	83	2	11.1	3.8
COLUMBIA	82	3	6.7	0.6
FLORENCE	82	2	4.9	-0.1
GREENVILLE	80	3	17.4	13.4
SD ABERDEEN	72	2	2.4	-0.5
HURON	74	2	3.2	1.2
RAPID CITY	74	3	0.5	-1.2
SIOUX FALLS	77	5	5.1	2.3
TN BRISTOL	78	4	2.4	-0.8
CHATTANOOGA	82	4	4.9	1.3
KNOXVILLE	82	6	2.1	-1.0
MEMPHIS	85	4	3.6	0.2
NASHVILLE	83	5	3.4	-0.1
TX ABILENE	81	-2	5.2	2.4
AMARILLO	78	2	2.2	-1.0
AUSTIN	85	0	5.7	3.6
BEAUMONT	84	1	4.3	-1.1
BROWNSVILLE	84	-1	8.3	5.6
CORPUS CHRISTI	85	0	5.1	1.8
DEL RIO	87	4	1.1	-1.6
EL PASO	83	3	0.7	-0.9
FORT WORTH	85	3	0.9	-1.4
GALVESTON	87	3	0.4	-4.0
HOUSTON	85	2	4.9	1.0
LAREDO	--	--	--	--
LUBBOCK	80	2	2.3	-0.2
MIDLAND	82	2	0.3	-1.5
SAN ANGELO	82	0	2.4	0.5
SAN ANTONIO	85	1	2.0	-0.5
VICTORIA	84	2	5.3	1.7
WACO	84	-1	5.2	3.5
WICHITA FALLS	84	1	2.4	-0.2
UT BLANDING	--	--	--	--
CEDAR CITY	75	3	0.4	-1.0
SALT LAKE CITY	78	3	0.2	-0.6
VT BURLINGTON	70	2	4.6	0.6
VA LYNCHBURG	78	4	0.7	-2.9
NORFOLK	80	3	1.5	-3.3
RICHMOND	79	2	2.6	-1.8
ROANOKE	78	4	0.7	-3.4
WA COLVILLE	65	-2	1.1	-0.1
QUILLAYUTE	58	-1	6.3	3.7
SEATTLE-TACOMA	63	-2	1.8	0.7
SPOKANE	64	-4	0.6	-0.1
WALLA WALLA	72	-2	--	--
YAKIMA	65	-5	0.1	-0.3
WV BECKLEY	73	4	2.6	-0.7
CHARLESTON	78	4	5.8	1.8
ELKINS	74	6	3.8	-0.4
HUNTINGTON	79	7	3.5	-0.6
PARKERSBURG	78	5	2.9	-1.1
WI GREEN BAY	74	7	7.3	3.8
LACROSSE	78	7	4.2	0.3
MADISON	77	8	5.6	1.8
MILWAUKEE	76	7	5.8	2.3
WAUSAU	72	5	12.7	8.3
WY CASPER	73	4	T	-0.6
CHEYENNE	72	5	0.9	-0.8
LANDER	72	3	0.2	-0.3
SHERIDAN	71	3	0.1	-0.7
PR SAN JUAN	84	2	5.2	-0.2

Based on 1961-90 normals.

National Agricultural Summary

HIGHLIGHTS for August 28 - September 3, 1995

Above-normal temperatures and a lack of rain from the southern Great Plains to the Mid-Atlantic dried soils and lowered crop conditions. Soil moisture supplies declined sharply in the central Corn Belt, with Illinois reporting 2 weeks without any significant rainfall. The hot, dry weather accelerated crop maturity in Iowa, where some crops on light soils were beyond recovery from the hottest August since 1983. Late-spring planting followed by summer heat stressed Midwestern corn and caused growth to stall. The high temperatures promoted rapid crop development, but the development of fall crops remained behind schedule in the central Great Plains, where insect problems persisted. In the High Plains, late-season crops matured quickly due to the hot, dry weather, with harvest activity starting only slightly behind normal. Favorable weather in South Dakota allowed row crops to progress significantly, but a freeze-free September is needed for crops to reach maturity. In the Ohio Valley, high temperatures combined with no rain dried top soil, although subsoil moisture levels were adequate for crop growth. Rain was needed in the Mid-Atlantic States, where dry summer weather depleted soil moisture supplies. Cool, dry weather in Washington allowed the small grain harvest to make good progress.

The **winter wheat** crop in the 19 major producing States was 3 percent (%) planted, 1 percentage point behind the 5-year average. Winter wheat seeding started in the Great Plains, but moisture was needed to improve germination. Wisconsin wheat producers worried that excessive moisture left fields too wet to plant.

Spring wheat harvest was 60% complete, 8 percentage points behind normal. North Dakota's harvest was 55% complete, 11 points behind the average. Spring wheat harvest increased from last week by 27 points in Idaho.

Corn was in mostly good to fair condition for the 17 major producing States with 90% of the acreage in or beyond the doughing stage, 5 points ahead of the average. Above-normal temperatures accelerated corn progress, but the persistent lack of rain in the Corn Belt lowered soil moisture supplies and stressed some fields. These weather extremes were causing crop conditions to decline. Some corn fields in the Midwest had premature ear droop as a result of summer heat and drought stress. In Iowa, some corn fields with light soils were reported beyond recovery, while some corn on heavier soils showed signs of advanced drought stress. Cutting of corn silage was underway, with Wisconsin noting that this was the earliest that corn was harvested for silage. In Wisconsin, some areas reported that corn did not pollinate properly and that the ears have not filled to the tip, while Michigan reported that the corn crop looked better than last year's crop. Corn doughing was over 20 points ahead of the average in the Great Lakes region, while Kansas, Missouri, and Nebraska's corn doughing was behind the average by over 10 points. The percentage of the corn crop in the dented stage, at 56%, was 2 points ahead of normal. Corn denting was behind the average by over 25 points in Kansas, Missouri, and Nebraska.

Cotton bolls opening was 38% complete, up 13 points from last week and 5 points ahead of the average for the Nation. Cotton condition declined slightly due to the hot, dry weather and insect problems. Cotton fields in the Delta and Southeastern States continued to be sprayed for insects. In Mississippi, worm pressure remained in green cotton, while Georgia reported that insects were declining but boll rot was a problem. Cotton defoliation increased in western Arizona, with 90% of the cotton bolls opening across the State, 14 points ahead of the average. In California, cotton development remained behind schedule, with defoliation winding down in the desert areas and final irrigation applied to early-planted fields in the San Joaquin Valley. Cotton producers in Louisiana began defoliation and prepared for harvest. Insect problems remained in Texas along with hot, dry weather that stressed cotton fields.

Sorghum condition declined slightly from the hot, dry weather with 94% of the sorghum acres headed, 1 point behind normal. Sorghum headed in Illinois and Nebraska was 6 points behind normal. Forty-five percent of the Nation's sorghum acreage was turning color, with Illinois and Missouri over 30 points behind the average. Fall armyworm infestations continued to be reported in eastern Kansas. Sorghum condition declined across the Central and Southeastern States but improved slightly in Texas, where irrigation helped relieve dry soil conditions.

Rice condition was mostly good with 28% of the crop harvested, 3 points ahead of the average. In Mississippi, rice harvested at 34% complete was 23 points ahead of the average. Rice fields were drained in Arkansas with 7% of the harvest complete, 1 point behind the average. Rice grew slowly in California due to cool morning weather. Harvest activity made good progress for the week in Texas at 64% complete, 2 points behind normal. Some stem rot was reported in the Upper Coast. The rice harvest remained active in Louisiana and at 75% complete was 10 points ahead of normal.

Soybean condition was mostly good to fair, with 95% of the crop setting pods. The hot, dry weather in the Midwest and Delta caused condition to decline from last week. Crop development lagged in Missouri, where the percentage of soybean fields setting pods at 78% complete was 13 points behind normal, while Tennessee at 91% complete was 13 points ahead of the average. Four percent of the acreage was dropping leaves, 4 points behind the average. In the Midwest, soybeans showed signs of stress from the hot, dry weather. In Kentucky, the heat stressed double-crop soybeans and caused some blooms to drop. In Texas, the harvest of early-maturing varieties continued.

Crop Progress and Condition

Week Ending September 3, 1995

Soybeans Percent Setting Pods

	Sep 03 1995	Prev Week	Prev Year	5-Yr Avg
AL	90	80	78	76
AR	86	75	90	78
GA	91	84	93	88
IL	98	88	99	98
IN	99	95	100	99
IA	100	97	100	98
KS	89	67	97	94
KY	95	80	81	77
LA	98	94	97	93
MI	100	100	91	93
MN	99	97	99	97
MS	97	90	98	86
MO	78	58	97	91
NE	98	84	100	99
NC	76	67	77	75
OH	100	100	100	99
SC	79	68	77	70
SD	98	88	100	95
TN	91	78	77	78
ALL	95	87	97	94

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

Soybeans Percent Dropping Leaves

	Sep 03 1995	Prev Week	Prev Year	5-Yr Avg
AL	5	0	4	7
AR	4	1	7	4
GA	10	7	8	9
IL	1	0	6	9
IN	9	2	4	9
IA	0	0	6	3
KS	3	1	19	13
KY	4	3	10	9
LA	14	6	9	7
MI	1	0	9	4
MN	4	0	6	7
MS	23	8	16	8
MO	0	0	5	4
NE	0	0	10	7
NC	0	0	0	0
OH	8	1	10	15
SC	0	0	0	0
SD	8	3	30	22
TN	6	3	6	4
ALL	4	1	8	8

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

Corn Percent Dough

	Sep 03 1995	Prev Week	Prev Year	5-Yr Avg
CO	57	34	90	74
GA	100	100	100	100
IL	92	87	96	91
IN	97	84	98	94
IA	84	63	99	77
KS	87	60	100	98
KY	100	95	99	98
MI	88	55	62	54
MN	97	63	97	74
MO	82	64	100	95
NE	84	64	100	94
NC	100	98	100	97
OH	99	97	97	94
PA	88	80	86	73
SD	82	52	95	80
TX	100	98	100	98
WI	94	83	72	63
ALL	90	73	95	85

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

Corn Percent Dented

	Sep 03 1995	Prev Week	Prev Year	5-Yr Avg
CO	15	3	65	40
GA	100	100	100	100
IL	63	43	71	62
IN	63	36	58	57
IA	57	23	80	49
KS	42	18	94	75
KY	85	80	85	79
MI	53	21	24	21
MN	62	21	62	35
MO	49	35	94	79
NE	33	14	88	62
NC	96	94	87	90
OH	57	36	58	55
PA	58	35	34	28
SD	35	12	60	44
TX	91	85	93	93
WI	61	34	36	27
ALL	56	31	70	54

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

Sorghum Percent Headed

	May 14 1995	Prev Week	Prev Year	5-Yr Avg
AR	99	99	100	97
CO	89	80	85	81
IL	86	74	98	92
KS	95	79	99	94
LA	100	98	100	99
MS	100	100	100	99
MO	93	80	100	95
NE	93	83	100	99
NM	60	45	90	93
OK	79	57	93	92
SD	91	67	100	92
TX	98	97	97	97
ALL	94	84	98	95

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

Sorghum Percent Coloring

	May 14 1995	Prev Week	Prev Year	5-Yr Avg
AR	95	83	93	80
CO	33	20	37	30
IL	14	6	62	48
KS	22	9	71	41
LA	93	81	98	93
MS	88	84	98	90
MO	49	34	81	61
NE	16	8	79	49
NM	10	4	38	28
OK	42	10	54	51
SD	27	14	58	38
TX	85	82	81	80
ALL	45	35	74	57

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	55	28	91	69
MN	73	65	64	67
MT	42	37	84	59
ND	55	33	65	66
SD	97	92	100	94
ALL	60	45	73	68

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

Crop Progress and Condition

Winter Wheat Percent Planted

	Sep 03 1995	Prev Week	Prev Year	5-Yr Avg
AR	0	NA	0	0
CA	0	NA	0	0
CO	5	NA	5	7
GA	0	NA	0	0
ID	0	NA	5	4
IL	0	NA	0	0
IN	0	NA	0	0
KS	0	NA	3	2
MI	2	NA	0	1
MO	0	NA	0	0
MT	0	NA	2	2
NE	2	NA	4	3
NC	0	NA	0	0
OH	0	NA	0	0
OK	9	NA	7	6
OR	0	NA	0	1
SD	2	NA	3	7
TX	6	NA	10	7
WA	14	NA	16	11
ALL	3	NA	5	4

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

Cotton Percent Bolls Opening

	Sep 03 1995	Prev Week	Prev Year	5-Yr Avg
AL	37	17	17	27
AZ	90	75	84	76
AR	43	20	20	18
CA	25	11	47	44
GA	61	49	20	32
LA	68	43	63	61
MS	65	37	60	50
MO	20	6	19	20
NM	9	5	51	31
NC	24	14	28	32
OK	3	0	16	9
SC	27	14	16	31
TN	29	8	24	24
TX	27	24	28	26
ALL	38	25	34	33

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

Rice Percent Harvested

	Sep 03 1995	Prev Week	Prev Year	5-Yr Avg
AR	7	2	11	8
CA	0	0	0	0
LA	75	64	52	65
MS	34	12	21	11
TX	64	54	72	66
ALL	28	20	25	25

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

Soybeans Crop Condition by Percent

State	VP	P	F	G	EX
AL	2	34	49	15	0
AR	4	16	38	35	7
GA	0	7	56	34	3
IL	1	9	40	44 64	6
IN	3	10	41	40 46	6
IA	2	8	30	47 60	13
KS	0	7	34	56	3
KY	0	9	33	45	13
LA	0	18	36	42	4
MI	1	5	18	46	30
MN	0	4	25	55 71	16
MS	6	16	37	33 41	8
MO	4	17	39	37	3
NE	4	17	46	30 33	3
NC	2	8	51	33	6
OH	1	6	25	49 68	19
SC	0	0	24	66	10
SD	1	2	25	55	17
TN	1	8	21	57	13
ALL	2	10	34	44	10
Prev Wk	2	7	31	48	12
Prev Yr	0	3	25	62	10

Sorghum Crop Condition by Percent

State	VP	P	F	G	EX
AR	0	6	25	51	18
CO	0	1	19	65	15
IL	2	5	31	58	4
KS	1	6	30	57	6
LA	0	5	32	55	8
MS	2	12	37	44	5
MO	2	10	38	42	8
NE	2	14	53	30	1
NM	28	44	12	16	0
OK	0	4	26	70	0
SD	0	2	55	35	8
TX	0	15	23	42	20
ALL	1	11	32	46	10
Prev Wk	2	9	30	51	8
Prev Yr	0	7	36	54	3

Rice Crop Condition by Percent

State	VP	P	F	G	EX
AR	0	2	27	54	17
CA	0	0	25	65	10
LA	0	6	37	52	5
MS	4	16	32	41	7
TX	0	0	11	42	47
ALL	0	4	27	53	16
Prev Wk	0	1	22	60	17
Prev Yr	0	0	10	80	10

Corn Crop Condition by Percent

State	VP	P	F	G	EX
CO	0	10	30	50	10
GA	1	10	43	43	3
IL	1	11	39	44	5
IN	3	12	44	36	5
IA	2	9	30	47	12
KS	0	6	32	57	5
KY	2	5	35	44	14
MI	0	5	18	53	24
MN	0	4	19	51	26
MO	1	14	36	42	7
NE	3	14	35	43	5
NC	1	2	12	68	17
OH	1	7	24	49	19
PA	7	21	38	28	6
SD	1	4	28	51	16
TX	0	2	15	67	16
WI	0	2	15	68	15
ALL	1	9	30	48	12
Prev Wk	2	7	28	50	13
Prev Yr	0	2	18	61	19

Cotton Crop Condition by Percent

State	VP	P	F	G	EX
AL	8	35	43	13	1
AZ	3	27	27	33	10
AR	1	13	32	45	9
CA	0	0	20	70	10
GA	0	14	60	26	0
LA	0	15	40	43 45	2
MS	7	16	30	36 47	11
MO	5	8	25	47 62	15
NM	0	14	25	50	11
NC	3	6	65	24	2
OK	2	15	36	45 47	2
SC	0	0	61	39	0
TN	0	7	22	59	12
TX	1	21	24	47 54	7
ALL	2	16	31	44	7
Prev Wk	2	10	31	48	9
Prev Yr	0	10	36	49	5

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

State Summaries of Weather and Agriculture

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

ALABAMA: Rainfall none to 1.03 in. north; none to 0.65 in. central; none to 0.18 in. south. Temperatures 2° below normal to 6° above normal statewide. Lows 52 to 58° north, 53 to 66° central; 55 to 66° south. Highs 89 to 98° north, 92 to 100° central; 94 to 96° south.

Days suitable for fieldwork 6.6. Topsoil 19% very short, 69% short, 12% adequate. Corn mature 94%, 87% 1994, 89% avg. ; harvested 38%, 39% 1994, 42% avg.; 3% very poor, 14% poor, 47% fair, 34% good, 2% excellent. Sorghum turning color 48%, 58% 1994, 55% avg.; harvested 12%, 10% 1994, 15% avg.; 2% very poor, 21% poor, 45% fair, 32% good. Peanuts dug 6%, 15% 1994, 12% avg.; combined 2%, 8% 1994, 5% avg.; 12% poor, 42% fair, 43% good, 3% excellent. Livestock 1% very poor, 12% poor, 34% fair, 50% good, 3% excellent. Activities: Harvesting corn, peanuts, vegetables. Spraying crops. General care of livestock, poultry, catfish.

ALASKA: Showers dominated the weather picture for the Tanana, Matanuska Valleys, the Kenai Peninsula remained somewhat drier.

Day suitable for hay or grain harvest 1, 4.0 days were available for potato harvest. Soil moisture supplies were 5% short, 70% adequate, 25% surplus. Second crop hay harvest was 10% complete versus 15% complete in 1994. Barley harvest was 15% complete compared to virtually complete last year. Oats were 100% ripe with 0% harvested. Commercial potato harvest was less than 5% complete, compared to 15% complete 1994.

ARIZONA: Temperatures 4° above to 8° above normal. Extremes 47°; 100° higher elevations; 60°; 117° deserts. Most areas drier with only widely scattered thunderstorms; none to 0.60 in.

Western cotton areas increasing defoliation; eastern area cotton behind normal. Alfalfa 4% very poor, 5% poor, 15% fair, 47% good, 29% excellent. Harvest 7% light, 15% moderate, 40% active, 38% between cuttings. Summer vegetable, melon deal near complete central area. Cantaloupe, honeydew, green onions shipped. Lemon harvest progressed western areas; apples shipped eastern areas. Summer dry spell broken by seasonal monsoon weather. Grazing conditions rated fair to good, some excellent higher elevations, some poor to very poor mid to lower elevations. Cattle, calves rated fair to good condition. Stock water supplies short to adequate; soil moisture mostly short. Insect damage light, mostly from grasshoppers.

ARKANSAS: Temperatures 3 to 7° above normal with hot, dry conditions statewide. Extremes 56°; 107°. Precipitation none to 0.58 in.

Days suitable for fieldwork 7. Soil moisture 99% short, 1% adequate. Main farm activities: Applying insecticides, draining rice, irrigating crops, harvesting corn, sorghum, rice, hay. Cotton fields continued to be sprayed for insects. Rice drainage, harvest continued in several counties. Corn, sorghum harvests were ongoing in several counties. Group IV soybeans were being harvested in Prairie county. Apple harvest continued in Faulkner county. High temperatures caused stress to poultry, livestock in several counties. Perilla mint weeds poisoning caused death in some cattle reported by Baxter county. Hay feeding proceeded several counties as pastures continued to suffer from heat stress. Hay harvest continued.

CALIFORNIA: High pressure area over four corners region, low pressure off northern coastal area kept State under stable, cool southwesterly air flow. Temperatures generally below normal, except southern areas. Little precipitation fell.

Field activities progressed rapidly under clear skies, most areas. Rice growth slowed, cool morning temperatures. Harvest expected to begin, one to two weeks. Cotton sprayed for aphids, whitefly infestation. Defoliation winding down, desert areas. Some early seeded San Joaquin Valley cotton fields received final irrigation. Corn, dry beans treated for insects. Corn silage harvest active, central, southern counties. Harvests, black eye beans, safflower gained momentum, San Joaquin Valley. Overwintered sugar beets harvested, central, northern counties; new crop fields sprayed for armyworms. Small grain harvest underway, higher elevation fields. Ground preparation, fall-seeded small grains. Alfalfa, sudan grass cut for hay. Seed alfalfa harvest began, Fresno County. Table grape harvest continued, Fresno, Tulare, Kern counties. Good quality reported. Thompson Seedless raisin grapes on trays, drying, Fresno, Tulare counties. Nectarine, peach, plum harvests slowed, central, southern regions; season's end approached. Prune harvest, full swing. Almond harvest progressed rapidly due to light crop. Pomegranate harvest continued, Fresno, Tulare counties; fruit size, small. Sonoma County, Golden Delicious, Red Delicious apple harvest continued. Gala, Fuji, Granny Smith apples harvested, San Joaquin Valley. Walnut orchards sprayed for codling moth; ground prepared for harvest. Lemon, grapefruit, Valencia orange harvest continued. New crop Navel oranges progressed well. Broccoli, cauliflower harvested, Monterey; planted, central valley. Cabbage planted, Fresno County. Celery harvested, Monterey, San Luis Obispo counties. San Joaquin Valley cucumber harvest well underway. Garlic, onions, carrots, packed, Kern County. Lettuce fields, Monterey, San Luis Obispo counties harvested. Fall lettuce planted, San Joaquin Valley. Mixed melons harvested, Sacramento, San Joaquin valleys. Glenn County cantaloupe harvest expected to resume, three weeks. Bell peppers, chili peppers harvested, desert areas, San Joaquin Valley. New planting, sweet corn, San Joaquin Valley. Sweet potato harvest, Selma District began. Tulare County's pumpkin crop doing well. Kern County's winter potatoes emerging. Harvest, fresh market, processing tomatoes continued, moderate pace. Vineseed harvested, Sutter County. Imperial Valley ground prepared, fall vegetable planting. Other crops harvested: oriental vegetables, cherry tomatoes, eggplant, daikon, green beans, green onions, okra, radishes, peas, squash, spinach, tomatillos, zucchini. Rangelands, very dry. Nutritional value grasses, poor. Supplemental feeding increased, lower elevations. Many pastures irrigated. Water, feed supplies held up well. Extreme fire hazard concerns continued. Fall calving, active. Sheep grazed some dryland grain stubble. Cattle, sheep, good condition.

COLORADO: Last week brought record heat as temperatures were 10 to 12° above normal statewide. There were spotty areas of moderate to heavy rainfall along with even more spotty areas of small hail. These conditions occurred mainly in the eastern part of the State.

Days suitable for fieldwork 6.4. Topsoil 26% very short 32% short, 41% adequate, 1% surplus. Subsoil 12% very short, 38% short 49% adequate 1% surplus. Spring wheat 45% harvested, 86% 1994, 50% avg.; 6% poor, 21% fair, 54% good, 19% excellent. Spring barley 63% harvested, 89% 1994, 79% avg. Oats 57% harvested, 83% 1994, 78% avg. Corn 0% silage harvested, 13% 1994, 9% avg. Sorghum 0% mature, 1% 1994, 4% avg. Dry onions 27% harvested, 51% 1994, 41% avg.; 2% very poor, 4% poor, 13% fair, 63% good, 18% excellent. Sugar beets 1% very poor, 4% poor, 27% fair, 52% good, 16% excellent. Summer potatoes 28% harvested, 56% 1994, 56% avg.; 1% very poor, 5% poor, 11% fair, 65% good, 18% excellent. Fall potatoes 1% harvested, 5% 1994, 6% avg.; 6% poor, 24% fair, 53% good, 17% excellent. Dry beans 9% cut, 58% 1994, 28% avg.; 1% harvested, 34% 1994, 14% avg.; 2% very poor, 3% poor, 30% fair, 55% good, 10% excellent. Alfalfa 24% 3rd cutting, 39% 1994, 34% avg.; 4% poor, 27% fair, 61% good, 8% excellent. Livestock mostly in good to excellent.

DELAWARE: Precipitation none, normal 1.07 in. Temperature 75.2°,

normal 73.4°. Extremes 49°; 95°. High temperatures in the 90s. Lows in the upper 40s to about 60°.

Days suitable for fieldwork 7.0. Topsoil 84% very short, 16% short. Subsoil 79% very short, 21% short. Corn 15% very poor, 34% poor, 38% fair, 13% good; 98% dough, 93% 1994, 91% avg.; 92% in dent, 76% 1994, 76% avg.; 59% mature, 15% 1994, 20% avg.; 6% harvested for grain, 4% 1994, 2% avg.; 69% harvested for silage, 32% 1994, 35% avg. Soybeans 23% very poor, 50% poor, 23% fair, 4% good; 99% bloomed, 96% 1994, 95% avg.; 93% setting pods, 77% 1994, 75% avg.; 5% turned, 2% 1994, 3% avg. Sorghum 36% very poor, 38% poor, 26% fair; 98% headed, 98% 1994, 97% avg.; 34% turning color, 5% 1994, 20% avg. Other hay 82% 3rd cutting, 63% 1994, 56% avg. Alfalfa hay 32% 4th cutting, 28% 1994, 19% avg. Cantaloupes 87% harvested, 99% 1994, 92% avg. Potatoes 95% harvested, 90% 1994, 83% avg. Sweet corn 96% harvested, 97% 1994, 90% avg. Tomatoes 90% harvested, 88% 1994, 82% avg. Watermelons 94% harvested, 91% 1994, 88% avg. Apples 23% fair, 77% good; 30% harvested, 37% 1994, 28% avg. Peaches 9% fair, 91% good; 85% harvested, 95% 1994, 94% avg. Hay supply short to mostly adequate. Vegetable harvest, haymaking. Drought pressure affecting crops.

FLORIDA: Temperatures 2° below to 1° above normal Panhandle, 1 to 5° above normal elsewhere. Lows: mid 60s north, low 70s central, south. Highs: upper 90s Panhandle, mid 90s elsewhere. Rainfall 1.00 to 3.50 in., although locally heavier amounts to over 5.00 in. reported central, south.

Topsoil moisture short to adequate Panhandle, adequate to surplus Peninsula. Haying delayed by rain. Tobacco harvest complete. Tobacco marketing active. Peanut harvest starting. Cotton farmers making preparations for harvest. Soybeans, sugarcane good growth. Armyworm problems in cotton, hay fields. More rain most citrus areas. Growers pumping excessive water out of groves. New crop fruit making good progress, sizes good. Fruit testing continues. Caretakers cutting cover crops, fertilizing, spraying, herbiciding. Hot temperatures slowed vegetable growth, development, all producing areas. Most received beneficial showers during the week. Vegetables recovered from effects of Tropical Storm Jerry. Wet fields delayed laying of plastic for strawberry transplanting in west central localities. Cattle fair 10%, good 80%, excellent 10%.

GEORGIA: Temperatures 2 to 4° above normal north, west, near to a couple degrees below elsewhere. Hottest from 89° in northeast mountains to mid 90s west central, southwest. Much cooler, drier air over weekend. Minimum temperatures 55 to 60° common...except low to mid 60s extreme south, upper 60s coast. Rain totals for week mostly light...averaging under 0.50 in. Isolated 0.50 to 1.50 in. did occur.

Days suitable for fieldwork 5.0. Soil moisture 10% very short, 22% short, 56% adequate, 12% surplus. Corn harvest slowed by wet fields eastern part of State. Insect pressure in cotton declining most areas, some boll rot problems east. Peanut digging, threshing active early planted dryland fields southwest, southcentral. Some improvement in hay, pastures but supplemental feeding of hay still necessary. Cooler temperatures beneficial to crops, livestock, poultry. Corn 76% harvested for grain, 68% 1994, 63% avg. Cotton 2% harvested, 0% 1994, 1% avg. Hay 18% poor, 50% fair, 32% good. Peanuts 16% poor, 61% fair, 22% good, 1% excellent; 15% dug, 14% 1994, 8% avg.; 8% threshed, 6% 1994, 4% avg. Sorghum 6% poor, 72% fair, 22% good; 23% harvested for grain, 30% 1994, 17% avg. Soybeans 99% blooming, 100% 1994, 99% avg. Tobacco 99% harvested, 100% 1994, 95% avg. Other vegetables 14% poor, 48% fair, 38% good. Apples 1% poor, 4% fair, 95% good; 40% harvested, 27% 1994, 38% avg. Pecans 5% poor, 86% fair, 9% good. Cattle 3% poor, 38% fair, 59% good. Hogs 3% poor, 41% fair, 54% good, 2% excellent. Activities: Overseeding pastures north, cutting hay, bushhogging pastures, preparing fields for planting small grains, routine care of livestock, poultry.

HAWAII: Variable weather. Most islands sunny. Precipitation confined mostly to windward, upper elevations. Rains heaviest on island of Hawaii. Trade winds were light to moderate. Temperatures low 70° to low 90°. Rainfall none to 6.90 in.

Sugarcane harvesting slowing. Pineapple harvesting active. Banana supplies moderate. Papaya production light. Irrigation remained heavy major vegetable-growing areas.

IDAHO: Temperatures 2° below normal to 8° above normal. Only few areas in the north reported below normal temperatures. Precipitation none to 0.42 in. north, none in the southwest, none in southcentral, none to 0.01 in. southeast. Extremes 36°; 100°.

Days suitable for fieldwork 7. Topsoil 3% very short, 24% short, 72% adequate, 1% surplus. Irrigation water supplies 2% fair, 63% good, 35% excellent. Alfalfa hay second cutting 89%, 98% 1994, 93% avg. Alfalfa hay third cutting 25%, 45% 1994, 32% avg. Corn harvested for silage 6%, 0% 1994, 0% avg. Dry beans harvested 5%, 27% 1994, 17% avg. Dry peas harvested 68%, 99% 1994, 85% avg. Hops harvested 17%, 29% 1994, 37% avg. Lentils harvested 30%, 97% 1994, 80% avg. Mint first cutting 82%, 99% 1994, 97% avg. Oats harvested 43%, 92% 1994, 72% avg. Onions harvested 7%, 28% 1994, 30% avg. Peaches harvested 59%, 86% 1994, 82% avg. Plums, prunes harvested 37%, 49% 1994, 61% avg. Potatoes turning 56%, 94% 1994, 79% avg.; vines dying/killed 23%, 58% 1994, 55% avg.; harvested 2%, 9% 1994, 6% avg.; 4% poor, 20% fair, 63% good, 13% excellent. Spring barley harvested 57%, 92% 1994, 72% avg.; 7% poor, 16% fair, 58% good, 19% excellent. Winter wheat harvested 88%, 99% 1994, 86% avg.; 2% poor, 14% fair, 57% good, 27% excellent. Activities: Irrigating, fertilizing, applying pesticides, harvesting small grain, barley, lentils, dry peas, dry beans, potatoes, fruit, cutting mint, alfalfa, tilling small grain ground.

ILLINOIS: Temperatures 3 to 7° above normal. Highs from mid 80s to 90°. Lows were generally in the low to mid 60s. Hot, dry conditions were common the first part of the week followed by a break from the heat shortly before weekend. Little to no precipitation was reported for the entire week.

Days suitable for fieldwork 6.9. Topsoil 14% very short, 54% short, 32% adequate. Corn crop continued to mature rapidly due to hot, dry weather conditions last week. However, these same weather conditions are causing crop conditions to deteriorate. There has been no rain for the past 14 days in most areas. Diseases, insects, weeds are becoming a concern for area farmers. Corn 6% mature, 11% 1994, 18% avg. Soybeans 7% turning yellow, 31% 1994, 27% avg. Alfalfa 68% third cutting, 82% 1994, 70% avg

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INDIANA: Hot, dry conditions were common the first part of the week followed by a break from the heat shortly before weekend. Little to no precipitation was reported for the entire week. Temperatures of 72 to 80° were some 4 to 7° above normal. Daytime highs averaged in the 80s to lower 90s with mean lows in the 60s. Readings varied widely over the period with extreme highs in the low to upper 90s with coldest readings noted in the mid 40s to mid 50s. Northern fringe of the state was brushed by some thunderstorms which left some 0.20 to 0.30 in. of moisture. Elsewhere little to no precipitation was noted although some widely isolated storms did drop some heavier rainfall.

Days suitable for fieldwork 6.8. Topsoil 22% very short, 52% short, 25% adequate, 1% surplus. Subsoil 13% very short, 47% short, 39% adequate, 1% surplus. Corn harvest underway, southwestern areas. Alfalfa third cutting 73% complete, 82% 1994, 64% avg. Tobacco 35% harvested, 37% 1994, 37% avg. Activities: Mowing set aside acres, fence rows, selling grain, baling hay, cleaning grain bins, getting silo filling equipment ready.

IOWA: Hot with temperatures 7 to 8° above normal. Extremes 49°; 97°. Preliminary data indicate this to be the hottest of any month since 1983, fifth hottest August in 123 years. Heavy rain north one-third 28th night, only scattered light rain remainder of week. Weekly total none east central to 4.89 in. north central; state average 0.78 in. (normal 0.96 in.).

Days suitable for fieldwork 6.0. Hot, dry weather continued across

State speeding crops to maturity at the expense of yields. Some corn, beans on light soils are dead or beyond help from rain. Crops on heavier soils showing many signs of drought stress including yellowing, curling leaves, firing. A few areas in northern areas benefitted from thunderstorms last week; however, some damage to corn, soybeans occurred due to high winds. Topsoil very short 17%, short 37%, adequate 42%, surplus 4%. Subsoil very short 9%, short 32%, adequate 57%, surplus 2%. Corn in or past milk stage 96%, 100% 1994, 95% avg.; mature (safe from frost) 7%, 21% 1994, 12% avg. Soybeans leaves turning color 12%, 40% 1994, 18% avg. All hay 5% very poor, 15% poor, 34% fair, 39% good, 7% excellent; alfalfa hay third cutting 57%, 72% 1994, 57% avg. Clover hay second cutting 95%, 95% 1994, 90% avg. Livestock in good to fair condition despite hot weather, high humidity which continue to adversely affect weight gain for all livestock. Some death loss last week, newborn pigs suffering from scours as cooling systems left on continuously. Flies, pinkeye remain a problem for cattle. Pastures drying up, becoming dormant.

KANSAS: Temperatures 10° above normal in the northern, central districts, 8° above normal in the southern districts. Precipitation was very light except in the northeast, east central where averages were 0.70 in., 0.51 in. respectively.

Days suitable for fieldwork 6.6. Hot, dry weather persisted across the State the past week. Most areas are short on topsoil moisture especially in the west. In all districts topsoil moisture is at least 60% short. Pasture, crop conditions have declined due to hot, dry weather. Topsoil 15% very short, 62% short, 23% adequate. Subsurface 7% very short, 33% short, 60% adequate. Fall crops remain well behind normal progress. Corn mature 7%, 42% 1994, 39% avg. Spider mites, cornborer infestations are reported mostly in the western, south central districts. Sorghum mature is 1%, 9% 1994, 6% avg. Fall armyworm infestations are reported in eastern sorghum fields. Hot, humid weather continues to stress livestock. Alfalfa cut the third time 100%, 100% 1994, 95% avg. Cut the fourth time 29%, 42% 1994, 30% avg.

KENTUCKY: Hot, very dry. High temperatures 6 to 8° above normal, highs averaging upper 80s to lower 90s. Many locations west, central areas reached upper 90s at least once. Low temperatures 60s. Cooler over weekend, highs 80s to lows 50s. Very little rain with most locations receiving 0.10 in. or less. A few locations received between 0.50 to 1.00 in. with isolated reports above 1.00 in. over east.

Days suitable fieldwork 6.0. Topsoil 49% very short, 41% short, 10% adequate. Subsoil 34% very short, 46% short, 19% adequate, 1% surplus. Hot, dry weather further deteriorated pastures, fall hay crops causing some livestock producers to feed hay. Soybeans stressed, with some bloom drops on double crop beans. Corn harvest beginning with crop drying down rapidly. Burley tobacco 50% cut, equal 1994. Some sunburn, houseburn reported on early tobacco . Harvesting, housing labor tight some areas. Tobacco 2% very poor, 9% poor, 45% fair, 40% good, 4% excellent. Dark tobacco 70% cut. Late season crops badly need rain. Hay crops 5% very poor, 18% poor, 45% fair, 29% good, 3% excellent.

LOUISIANA: Temperatures 2 to 6° above normal. Extremes 69°; 105°. Rainfall 0.01 in. north central to 0.42 in. northwest.

Days suitable for fieldwork 6.7. Soil moisture 20% very short, 37% short, 40% adequate, 3% surplus. Corn 86% harvested, 75% 1994, 80% avg. Cotton 0% harvested, 1% 1994, 1% avg.; growers began defoliating, preparing for harvest. Hay 79% second cutting, 59% 1994, 62% avg. Rice 100% headed, 99% 1994, 97% avg.; 90% ripe, 80% 1994, 81% avg. Rice harvest remained active. Sorghum 72% ripe, 76% 1994, 77% avg.; 36% harvested, 43% 1994, 50% avg. Grain sorghum harvest remained active. Soybeans 100% blooming, 100% 1994, 99% avg.; 26% coloring, 20% 1994, 21% avg.; 1% harvested, 1% 1994, 0% avg. Soybean condition continued to deteriorate due to insect pressure, lack of moisture. Sugarcane 1% very poor, 2% poor, 18% fair, 62% good, 17% excellent; 25% planted, 42% 1994, 29% avg. Sugarcane planting resumed as fields dried. Sweet potatoes 2% poor, 24% fair, 68% good, 6% excellent; 9% harvested, 29% 1994, 28% avg. Sweet potato growth was hindered by heat. Vegetables 11% very poor, 26% poor, 38% fair, 23% good,1% excellent. Vegetable conditions deteriorated with the high temperatures. Livestock 1% very poor, 5% poor, 34% fair, 54% good, 6% excellent. Livestock producers began feeding from winter hay stocks as pastures became shorter. Broiler producers suffered heavy losses due to the heat.

MARYLAND: Precipitation 0.01 in. normal 1.01 in. Temperature 76.2°, normal 73.2°. Extremes 51°; 96°. Low temperatures in the low 50s to mid 60s. Highs were mainly in the upper 80s to mid 90s.

Days suitable for fieldwork 6.9. Topsoil 71% very short, 28% short, 1% adequate. Subsoil 40% very short, 56% short, 4% adequate. Corn 11% very poor, 19% poor, 46% fair, 20% good; 4% excellent; 88% dough, 89% 1994, 86% avg.; 69% dented, 64% 1994, 64% avg.; 33% mature, 12% 1994, 19% avg.; 6% harvested for grain, 1% 1994, 2% avg.; 38% silage harvested, 13% 1994, 23% avg. Soybeans 23% very poor, 22% poor, 29% fair, 22% good, 4% excellent; 99% bloomed, 97% 1994, 96% avg.; 90% setting pods, 88% 1994, 81% avg.; 20% turned, 3% 1994, 7% avg.; 6% shedding leaves, 1% 1994, 1% avg. Sorghum 50% very poor, 25% poor, 19% fair, 3% good, 3% excellent; 92% headed, 100% 1994, 99% avg.; 40% turning color, 43% 1994, 39% avg. Tobacco 21% poor, 44% fair, 25% good, 10% excellent; 100% topped, 89% 1994, 87% avg.; 86% harvested, 43% 1994, 48% avg. Other hay 57% 3rd cutting, 55% 1994, 37% avg.; 8% 4th cutting, 4% 1994, 7% avg. Alfalfa hay 95% 3rd cutting, 96% 1994, 90% avg.; 44% 4th cutting, 40% 1994, 29% avg. Cantaloupes 91% harvested, 97% 1994, 96% avg. Potatoes 90% harvested, 99% 1994, 97% avg. Sweet corn 89% harvested, 90% 1994, 90% avg. Tomatoes 83% harvested, 89% 1994, 86% avg. Watermelons 87% harvested, 94% 1994, 92% avg. Apples 1% poor, 5% fair, 54% good, 40% excellent; 13% harvested, 29% 1994, 23% avg. Peaches 1% poor, 14% fair, 70% good, 15% excellent; 81% harvested, 99% 1994, 89% avg. Hay supplies mostly adequate. Activities: Harvesting of vegetables, haymaking. Many areas need rain, crops stressed due to dry conditions.

MICHIGAN: Extremes 40°; 90°. Precipitation none to 0.86 in. across the State. Temperatures 2 to 6° above normal with lower humidity levels, very little precipitation.

Days suitable for fieldwork 6.0. With growing degree days ahead of normal, crops have been progressing rapidly. The corn crop looked better than last year's record setting crop at this time of the year. Corn development has made up for the delay in the spring planting. Topsoil 5% very short, 39% short, 55% adequate, 1% surplus. Subsoil moisture was reported as 8% very short, 37% short, 54% adequate, 1% surplus. Drybeans turning leaves 80%, 25% 1994, 55% avg.; shedding 37%, 30% 1994, 33% avg.; 1% very poor, 3% poor, 20% fair, 60% good, 16% excellent. Soybeans turning leaves 19%, 35% 1994, 20% avg. All hay, second cutting 94%, 90% 1994, 92% avg.; third cutting 45%, 40% 1994, 40% avg.; 1% very poor, 3% poor, 29% fair, 54% good, 11% excellent. Potatoes harvested 50%, 50% 1994, 43% avg. Oats, harvested 97%, 90% 1994, 90% avg.

MINNESOTA: Temperatures 6 to 8° above normal for the State. Extremes 41°; 91°. Precipitation 0.45 in. which is 0.30 in. below normal for the State. Greatest weekly total 1.53 in.

Days suitable for fieldwork 4.0. Topsoil 1% very short, 6% short, 75% adequate, 18% surplus. Spring wheat harvested 73%, 64% 1994, 66% avg. Corn in dough 97%, 97% 1994, 75% avg.; dent 62%, 62% 1994, 36% avg.; mature 4%, 4% 1994, 3% avg. Soybeans turning yellow 16% , 36% 1994, 25% avg.; shedding leaves 4%, 6% 1994, 8% avg. Sweet corn harvested for processing 55%, 72% 1994, 57% avg. Dry edible beans harvested 8%, 12% 1994, 19% avg. Potatoes harvested 9%, 10% 1994, 12% avg.

MISSISSIPPI: Temperatures 3° above normal. Extremes 53°; 102°. Soil temperatures 89°. Precipitation 0.06 in., 0.75 in. below normal. Rainfall was minimal during the week.

Days suitable for fieldwork 6.9. Soil moisture 30% very short, 51%

short, 19% adequate. Corn 100% dent, 100% 1994, 93% avg.; 88% mature, 88% 1994, 80% avg.; 45% harvested 24% 1994, 26% avg.; 80% silage harvested, 81% 1994, 79% avg.; 9% poor, 31% fair, 49% good, 11% excellent. Soybeans 100% blooming, 100% 1994, 97% avg.; 97% setting pods, 98% 1994, 86% avg.; 43% turning color, 33% 1994, 23% avg.; 23% shedding leaves, 16% 1994, 8% avg.; 6% very poor, 16% poor, 37% fair, 33% good, 8% excellent. Hay 94% harvested warm, NA 1994, NA avg.; 2% very poor, 20% poor, 37% fair, 34% good, 7% excellent. Peanuts 13% fair, 81% good, 6% excellent. Sweetpotatoes 21% harvested, 40% 1994, 27% avg.; 1% poor, 4% fair, 93% good, 2% excellent. Watermelons 100% harvested, 100% 1994, 100% avg. Cattle 1% very poor, 5% poor, 30% fair, 57% good, 7% excellent. Main farming activities: Controlling insects in crops; harvesting corn, corn silage, rice, sorghum, sorghum silage, hay. Worm pressure remains in green cotton with some movement into soybeans, forage crops. Cotton producers are defoliating cotton, getting harvesting equipment ready for harvest. Dry, hot conditions are affecting both crops, livestock.

MISSOURI: Temperatures above normal across the State, ranging from 4° above normal at Quincy-Hannibal, to 9° above normal at Nevada. Precipitation 0.48 in., ranging from 0.13 in. northeast to 0.98 in. south central.

Days suitable for fieldwork 6.5. Topsoil 27% very short, 48% short, 24% adequate, 1% surplus. Shortages are most pronounced throughout the southern third of the State. Majority of row crops remain in fair to good condition across the State, reporters indicate that more rainfall is needed. Dough stage development is least advanced in the northeast, where 60% is reported in this stage, while all of the south central, southeast districts have reached this stage. Corn in dent stage varies from 100% southeast, 90% south central to 25% northeast. Twenty percent of the corn has reached maturity, largely represented by 100% southeast, 54% south central. Soybean pod setting progress ranges from 62% southwest to 88% northwest. Two percent of the bean crop is turning color. Sorghum heading is complete in the south central, southeast, while the remainder of the state varies from around 80 to 95%. Sorghum coloring most advanced in the south central, southeast districts, which report 68%, 91%, respectively. Approximately 20 to 30% of sorghum is turning color throughout the remainder of State. Twenty percent of the sorghum has reached the mature stage, represented largely by 45% in the southeast district. Alfalfa third cutting 84%, 98% 1994, 82% avg.

MONTANA: Weather was warm, generally dry. Temperatures above normal statewide. Northeast division received the only notable amounts of precipitation.

Days suitable for fieldwork 6.0. Topsoil 6% very short, 32% short, 62% adequate. Subsoil 7% very short, 25% short, 67% adequate, 1% surplus. Winter wheat 82% harvested, 98% 1994, 85% avg. Spring wheat 1% very poor, 7% poor, 24% fair, 51% good, 17% excellent; 100% turning, 100% 1994, 96% avg.; 74% ripe, 96% 1994, 83% avg. Barley 1% very poor, 3% poor, 18% fair, 55% good, 23% excellent; 100% turning, 100% 1994, 98% avg.; 70% ripe, 99% 1994, 86% avg.; 44% harvested, 83% 1994, 62% avg. Oats 1% very poor, 5% poor, 26% fair, 57% good, 11% excellent; 99% turning, 100% 1994, 96% avg.; 84% ripe, 98% 1994, 82% avg.; 47% harvested, 85% 1994, 60% avg. Dry beans 11% harvested, 17% 1994, 9% avg. Corn for silage 5% harvested, 8% 1994, 9% avg. Second cutting Alfalfa Hay 71%, 93% 1994, 76% avg.

NEBRASKA: Temperatures 5 to 11° above normals. Precipitation 0.10 in. most areas up to 0.90 in. east.

Days suitable for fieldwork 6.7. Topsoil 25% very short, 62% short, 13% adequate. Subsoil 10% very short, 58% short, 32% adequate. Dry beans 63% turned color, 92% 1994; 12% dropped leaves, 58% 1994. Above normal temperatures continued to promote rapid crop development last week, corn remains near two weeks behind average. Corn silage cutting had begun in eastern areas; heavy counts of spider mites were reported in number of fields in the east central and southeast districts; grasshopper infestations are also a concern in most areas. Winter wheat seeding was under way but most activity was in the western part of the State; several reports indicate more moisture is needed before seeding can begin.

NEVADA: High pressure, a southwesterly flow predominated most of the week, resulting in clear, dry, breezy weather. Widely scattered thunderstorms occurred on 2nd, few stations recorded measurable precipitation. Yerington recorded the greatest amount of precipitation at 0.10 in. Temperature normal in the northwest to 5° above normal in the extreme south. Extremes 24° Wildhorse Reservoir, 117° Laughlin.

Fieldwork progressed unhindered by weather with harvests, fall planting activities common. Small grain harvest continued in full swing in the northern producing areas, virtually completed in central areas. Winter wheat, barley harvests were completed. Harvesting of spring seeded wheat, barley, oats harvests continued. Alfalfa growers in the extreme south completed the fifth cutting of hay, sixth cutting was beginning, while third crop alfalfa harvest was getting underway in the north. Alfalfa condition rated mostly good. Harvesting of other types of hay, including grass or meadow hay, continued in the north. Sudan was being hayed in the extreme south. Harvest of seed garlic continued, was nearly completed in central fields. Onion harvest began. Potato digging was beginning in the north with early potatoes reported to be small. Field preparation for fall grain planting continued; some alfalfa seeding was underway. Main farm, ranch activities: Haying, grain harvest, garlic harvest, onion harvest, potato harvest, preparation for fall planting, irrigating, weed, insect control, checking livestock.

NEW ENGLAND: Precipitation none to 0.47 in. north, none to 0.33 in. south. Temperatures 56 to 64° north, 61 to 72° south. Maximum temperatures 75 to 87° north, 82 to 90° south. Minimum temperatures 31 to 46° north, 38 to 55° south.

Days suitable for fieldwork 6.9. Topsoil 30% very short, 50% short, 20% adequate. Subsoil 28% very short, 49% short, 23% adequate. Maine potatoes 10% harvested, <5% 1994, <5% avg.; condition fair/good. Rhode Island potatoes 25% harvested, 35% 1994, 40% avg.; condition excellent/good. CT River Valley potatoes 30% harvested, 35% 1994, 30% avg.; condition good/fair. Maine oats 75% harvested, 65% 1994, 50% avg.; condition fair/good. Maine barley 85% harvested, condition fair/good. Field corn 5% harvested, 5% 1994, 5% avg.; condition good/fair. Sweet corn, 80% harvested, 85% 1994, 75% avg.; condition good/fair. Shade tobacco 98% harvested, 90% 1994, condition good. Outdoor tobacco 90% harvested, 95% 1994, condition good/fair. First hay crop 100% harvested,100% 1994, 100% avg.; condition good/excellent. Second cut hay 85% harvested, 80% 1994, 80% avg.; condition good/fair. Third cut hay 35% harvested, 45% 1994, 35% avg.; condition good/fair. Apples set avg., size avg., 25% harvested, 15% 1994, 10% avg.; condition good. Peaches set avg., size avg., 95% harvested, 75% 1994, condition good. Pears set avg., size avg., 40% harvested, 40% 1994, condition good/excellent. Cranberries set above avg., size avg., condition excellent. Highbush blueberries set avg., size avg-heavy, 90% harvested, 95% 1994, condition good/excellent. Wild blueberries size below avg., 99% harvested, 95% 1994, condition fair. Major farm activities: Harvesting 2nd, 3rd cut hayland, forage seeding begins, tobacco harvest winds down, seasonal harvesting of fruits, vegetables, livestock grazing on pasture. 4-week precipitation totals less than 1% normal at many locations. Crops severely stressed from prolonged lack of rain.

NEW JERSEY: Temperatures above normal. Extremes 41°; 96°. Rainfall 0.06 in. north, none central, none south. Heaviest 24 hour total 0.31 in. 31st to 1st. Soil moisture percent of field capacity, 60% north, 53% central, 28% south.

Days suitable for fieldwork 7. Topsoil short. Good volume of eggplant, squash, sweet corn. Moderate supply of green beans, cabbage, cucumbers, pickles, tomatoes, peppers, okra. Limited volume of herbs, spinach, leeks, lettuce, beets, endives. Condition of corn, soybean crops continues to decline because of hot, dry weather. Third cuttings of hay occurring when growth of crop permits. Peach harvest

is nearing completion although the harvesting of the crop is still reported as heavy. Volume of peach crop remains good. Condition of the apple crop mostly as good, lack of moisture has resulted in fruit size being smaller than normal.

NEW MEXICO: Temperatures 1° below normal. Extremes 35° Ruidoso; 101° Deming, Socorro. Little rain fell. Southeastern plains remain dry, with the greatest rainfall in the southwestern mountains.

Days suitable for fieldwork 6.9. Soil moisture 27% very short, 50% short, 23% adequate. Alfalfa 1% poor, 26% fair, 68% good, 5% excellent. Corn 4% poor, 12% fair, 76% good, 8% excellent. Cotton 14% poor, 25% fair, 50% good, 11% excellent; 9% bolls opening, 51% 1994, 31% avg. Sorghum 28% very poor, 44% poor, 12% fair, 16% good; 60% headed, 90% 1994, 93% avg.; 10% coloring, 38% 1994, 28% avg. Wheat 36% planted, 30% avg. Chile 7% very poor, 16% poor, 28% fair, 46% good, 3% excellent. Onions 91% good, 9% excellent. Pecans 5% very poor, 1% poor, 51% fair, 35% good, 8% excellent. Apples 27% poor, 23% fair, 47% good, 3% excellent. Cattle 3% very poor, 11% poor, 54% fair, 32% good. Sheep 1% very poor, 18% poor, 61% fair, 20% good.

NEW YORK: Dry week with near normal temperatures. Most significant rain occurred with a line of thunderstorms on 31st which also brought damaging winds to the Hudson Valley. High temperatures were in the 70s, 80s, except a few locations in the south that reached the 90s. Lows varied 40s to 60s with a few northern locations dipping to the 30s. Extremes 37°; 95°.

Days suitable for fieldwork 6.6. Soil moisture 42% very short, 42% short, 16% adequate. Hay,corn in fair to good condition. Third cutting of alfalfa, clo-tim progressing rapidly under ideal conditions. Oat harvest near completion, ahead of average. Dry bean harvest underway. Early potatoes being harvested. Early apple harvest underway. Bartlett pear harvest continued. Grapes turning color, need rain for size. Vegetable harvest continued in full swing. Yields down due to dryness. Onion harvest active. Yield, quality varied.

NORTH CAROLINA: Temperature 75°, 1° above normal. Extremes 56°; 87°. Precipitation 3.21 in., 2.12 in. above normal.

Days suitable for fieldwork 4.8. Soil moisture 1% very short, 17% short, 68% adequate, 14% surplus. Flue cured tobacco 79% harvested, 61% 1994, 64% avg. Burley tobacco 26% harvested, 32% 1994, 25% avg. Corn 59% cut for silage, 50% 1994, 53% avg.; 24% harvested for grain, 17% 1994, 15% avg. Sorghum 10% harvested, 19% 1994, 13% avg. Corn 88% mature, 79% 1994, 78% avg. Soybeans 90% blooming, 89% 1994, 88% avg. Crop conditions improve. Apples 7% fair, 59% good, 34% excellent; truck crops 14% very poor, 31% poor, 28% fair, 25% good, 2% excellent; peanuts 1% very poor, 4% poor, 72% fair, 23% excellent; sorghum 3% poor, 76% fair, 17% good, 4% excellent; sweet potatoes 5% very poor, 7% poor, 29% fair, 57% good, 2% excellent; hay 8% poor, 39% fair, 47% good, 6% excellent; tobacco in fields 1% very poor, 11% poor, 45% fair, 41% good, 2% excellent; hay, roughage supplies 3% short, 85% adequate, 12% surplus. Activities: Harvesting, marketing flue cured tobacco; harvesting vegetables; harvesting burley tobacco; cutting silage; spraying crops; cutting hay; harvesting corn, sorghum; tending livestock; repairing equipment, general farm maintenance.

NORTH DAKOTA: Above temperatures, very little precipitation. Temperatures 3 to 5° above normal throughout the State. Extremes 40° northwest; 96° southwest. Precipitation 0.05 in. central to 0.38 in. northeast.

Days suitable for fieldwork 6. Topsoil 2% very short, 17% short, 76% adequate, 5% surplus. Subsoil 2% very short, 15% short, 78% adequate, 5% surplus. Favorable weather helped farmers make good progress on small grain harvest, still remained behind last year and average. Durum 33% combined; 46% 1994; 51% avg.; barley 73%; 90% 1994; 84% avg.; oats 61%; 85% 1994; 78% avg. Late season crops matured rapidly due to dry conditions with harvest beginning slightly behind last year, average. Flaxseed 7% harvested; 8% 1994; 20% avg.; sunflowers 6% bracts turned brown and beyond; 6% 1994; 7% avg.; potatoes 7% dug; 10% 1994; 8% avg.; corn for grain 12% ripe and beyond; 0% 1994; 5% avg.; dry edible beans 10% harvested; 9% 1994; 17% avg.; soybeans 23% mature leaves dropping and beyond; 22% 1994; 22% avg. Crop condition: Spring wheat 3% very poor, 11% poor, 33% fair, 49% good, 4% excellent; durum 5%, 10%, 29%, 52%, 4%; barley 1%, 10%, 30%, 52%, 7%; oats 1%, 9%, 33%, 51%, 6%; flaxseed 0%, 4%, 29%, 57%, 10%; corn for grain 0%, 1%, 14%, 70%, 15%; corn for silage 1%, 3%, 23%, 61%, 12%; dry edible beans 1%, 3%, 18%, 60%, 18%; soybeans 2%, 6%, 28%, 54%, 10%; sunflower 1%, 5%, 15%, 60%, 19%; sugarbeets 0%, 2%, 10%, 67%, 21%; potatoes 0%, 0%, 4%, 65%, 31%

OHIO: Hot, dry conditions prevailed the first part of week followed by a break from the heat at the weekend. Little precipitation was reported. Northwestern fringe of State was brushed by some thunderstorms which left 0.12 in. at Hoytville, 0.46 in. near Celina. Temperatures of 71 to 76° some 4 to 7° above normal. Daytime highs averaged in the mid to upper 80s with mean lows in the upper 50s to lower 60s. Readings varied widely through the week with extreme highs in the low to mid 90s, with coldest readings noted in the mid 40s to lower 50s.

Days suitable for fieldwork 6.9. Topsoil 13% very short, 46% short, 41% adequate. Alfalfa hay second cutting complete, third cutting 60%. Other hay second cutting 95% complete, third cutting 35%. Hay 6% poor, 32% fair, 52% good, 10% excellent. Rain needed for regrowth of pasture in many areas. Subsoil moistures are still adequate for corn crop in the current stage of development. Corn, soybean maturation is expected to be rapid. Reported five year averages for corn, soybean maturation are inflated by drought conditions during the 1991 season.

OKLAHOMA: Precipitation none in. west central, southwest, north central, central, east central districts to 0.18 in. southeast district.

Days suitable for fieldwork 6.9. Topsoil 26% very short, 60% short, 14% adequate. Subsoil 12% very short, 45% short, 42% adequate, 1% surplus. Wheat 69% seedbed prepared, 72% 1994, 74% avg.; oats 42% seedbed prepared, 28% 1994, 38% avg.; 3% planted, 0% 1994, 1% avg.; barley 36% seedbed prepared, 52% 1994, 36% avg.; 4% planted, 1% 1994, 2% avg.; corn 64% mature, 72% 1994, 68% avg.; 5% harvested, 29% 1994, 21% avg.; sorghum 7% mature, 8% 1994, 9% avg.; soybeans 78% setting pods, 90% 1994, 67% avg.; 19% mature, 31% 1994, 13% avg.; peanuts 12% poor, 28% fair, 56% good, 4% excellent; 91% setting pods, 97% 1994, 93% avg.; 1% mature, 3% 1994, 10% avg.; alfalfa 7% poor, 37% fair, 54% good, 2% excellent; 57% 4th cutting, 80% 1994, 64% avg.; 6% 5th cutting, 9% 1994, 4% avg. Livestock 1% poor, 25% fair, 71% good, 3% excellent. Feeder steers, heifers $1.00 to $2.00/cwt lower.

OREGON: Temperatures normal to above normal, statewide. Precipitation light statewide. Northern Willamette Valley, coast 0.10 in. or more.

Days suitable for fieldwork 6.6. Topsoil 19% very short, 16% short, 65% adequate. Subsoil 19% very short, 7% short, 74% adequate. Winter wheat harvested 97%. Barley harvested 65%. Malheur County dry bean harvest underway, early potato, onion harvest underway. Mid Columbia region early winter wheat seeding underway on marginal fields, fall fertilizing underway, fall fieldwork underway. Willamette Valley hops harvest continued, red clover, hay harvest continued, grass seed fields planting underway, fresh market vegetables, sweet corn, snap beans, tomatoes, cucumbers harvest continued, some onion pulling, filed drying underway, Evergreen blackberries coming on fast, most other caneberries finished, hazelnuts falling. Hood River Valley Bartlett pear harvest completed, very good quality, yields. Rogue River Valley: Bartlett pear harvest completed, Comice, Anjou harvests underway. Willamette Valley nursery industry irrigating continued, fall field clean up underway, weed control continued, staking, tagging of market plants underway, limited digging of balled, burlapped stock underway. Livestock good to excellent. Grass, stock water good. Light frost Klamath Basin. Eastern summer lighting storms causing hundreds of

lighting strikes, 2 to 3 major fires reported.

PENNSYLVANIA: Temperature 68°. Extremes 39°; 97°. Precipitation 0.04 in.

Days suitable for fieldwork 6.4. Soil moisture 73% very short, 22% short, 5% adequate. Ensilage corn 16% harvested, 3% 1994, 8% avg. Soybean 7% very poor, 14% poor, 30% fair, 40% good, 9% excellent. Wheat planted 1% complete, 6% 1994, 7% avg. Oats 96% harvested, 94% 1994, 95% avg. Barley planted 2% complete, 7% 1994, 8% avg. Tobacco 71% harvested, 56% 1994, 46% avg. Potato harvest 24% complete, 32% 1994, 33% avg. Alfalfa 2nd cutting 91% complete, 95% 1994, 95% avg.; 3rd cutting 55% complete, 64% 1994, 60% avg.; 4th cutting 16% complete, 27% 1994, 20% avg. Timothy clover 2nd cutting 72% complete, 80% 1994, 82% avg. Quality of hay made 2% very poor, 10% poor, 18% fair, 41% good, 29% excellent. Apples 16% harvested, 27% 1994, 26% avg. Peaches 83% harvested, N/A 1994, 82% avg. Grapes 18% harvested, 17% 1994, 20% avg. Fall plowing 18% complete, 36% 1994, 29% avg. Activities: Harvesting oats, corn silage, potatoes; making hay; cutting haylage; filling silos; fixing fences; machinery maintenance; hauling manure; caring for livestock.

PUERTO RICO: No weather data available.

SOUTH CAROLINA: Temperatures 1° above normal. Extremes 55°; 94°. Rainfall 1.20 in.

Days suitable for fieldwork 4.40. Soil moisture 4% short, 66% adequate, 30% surplus. Corn 99% mature, 99% 1994, 97% avg.; 49% harvested, 53% 1994, 48% avg.; 53% fair, 40% good, 7% excellent. Sorghum 19% harvested, 25% 1994, 27% avg.; 1% poor, 35% fair, 64% good. Peanuts 17% harvested, 4% 1994, 4% avg.; 53% fair, 47% good. Sweet potatoes 6% harvested, 5% 1994, 13% avg.; 45% fair, 55% good. Tobacco 88% harvested, 88% 1994, 81% avg.; 35% stalks destroyed, 38% 1994, 24% avg.; 3% poor, 51% fair, 46% good. Peaches 98% harvested, 99% 1994, 96% avg.; 23% fair, 77% good. Apples 25% harvested, 23% 1994, 37% avg.; 99% good, 1% excellent. Pecan 15% poor, 45% fair, 40% good. Grapes 30% poor, 45% fair, 25% good. Watermelons 99% harvested, 97% 1994, 99% avg.; 1% poor, 90% fair, 9% good. Cantaloupes 99% harvested, 94% 1994, 95% avg.; 1% very poor, 2% poor, 97% fair. Livestock 2% poor, 20% fair, 78% good.

SOUTH DAKOTA: Temperatures generally 4 to 8° above normal. Extremes 33°; 104°. Precipitation was mostly limited to the far east with strong thunderstorms dumping 1.00 to 2.50 in. Heaviest precipitation 2.61 in. Sioux Falls, 2.57 in. Britton.

Days suitable for fieldwork 5.2. Topsoil 10% very short, 28% short, 53% adequate, 9% surplus. Subsoil 9% very short, 18% short, 57% adequate, 16% surplus. Flax 81% ripe, 80% 1994, 84% avg.; 48% swathed, 64% 1994, 66% avg.; 35% harvested, 56% 1994, 59% avg. Flax 10% fair, 88% good, 2% excellent. Corn 3% mature, 10% 1994, 12% avg.; 0% silage harvested, 5% 1994, 8% avg. Soybeans 0% mature, 10% 1994, 7% avg. Sorghum 1% mature, 13% 1994, 8% avg.; 0% silage harvested, 3% 1994, 6% avg. Sunflowers 68% ray flowers dry, 92% 1994, 70% avg.; 29% bracts yellow, 70% 1994, 46% avg.; 1% mature, 5% 1994, 5% avg. Sunflower 1% poor, 15% fair, 61% good, 23% excellent. Winter rye 2% seeded, 4% 1994, 7% avg. Good growing conditions once again allowed row crops to make significant progress, freeze-free September will still be needed to allow crops to mature due to the late planting. Second cutting alfalfa 91% complete, 75% 1994, 85% avg. Other hay 91% harvested, 79% 1994, 89% avg. Livestock 1% poor, 13% fair, 72% good, 14% excellent. Stock water supplies 5% short, 82% adequate, 13% surplus.

TENNESSEE: Temperatures 3 to 5° above normal. Extremes 49°; 99°.

Days suitable for fieldwork 7.0. Topsoil 20% very short, 60% short, 20% adequate. Subsoil 15% very short, 48% short, 37% adequate. Corn 3% poor, 14% fair, 44% good, 39% excellent; 98% dent, 87% 1994, 84% avg.; 68% mature, 37% 1994, 38% avg.; 18% grain harvested, 3%, 1994 4%, avg.; 83% silage harvested, 44% 1994, 38% avg. Cotton 7% poor, 22% fair, 59% good, 12% excellent; 29% open bolls, 24%, 1994, 24% avg. Sorghum 1% poor, 11% fair, 55% good, 33% excellent; 88% turning color, 84% 1994, 76% avg.; 55% mature, 35% 1994, 29% avg.; 9% harvested, 4%, 1994, 4% avg. Tobacco 6% very poor, 16% poor, 42% fair, 34% good, 2% excellent; 89% topped, 98% 1994, 95% avg.; 51% burley harvested, 53% 1994, 50% avg.; 72% air cured harvested, 61% 1994, 48% avg.; 62% dark fired harvested, 64% 1994, 51% avg. Soybeans 1% very poor, 8% poor, 21% fair, 57% good, 13% excellent; 91% setting pods, 77% 1994, 78% avg.; 6% dropping leaves; 6% 1994, 4% avg.

TEXAS: Weather pattern helped keep temperatures below normal in southern, Lower Valley areas, at 1° below normal. Low Rollowing Plains reported normal temperatures last week. Remainder of State recorded above normal temperatures once again. Above normal departures +1.0° in south central area to +4°, east. Rainfall 4.00 in. soil temperatures 78° in Austin to 93° in Eagle Lake. Highest maximum was 102° at Eagle Lake, Pecos, while lowest minimum was 67° at Bushland.

Crops: Small grains land preparations continued across plains with some delay planting reported due some areas being too dry while other areas received light rain. Corn harvest just beginning in plains while harvesting about finished southern half State. Yields reported average below average. Corn 68% mature, 64% 1994, 67% avg.; 57% harvested, 58% 1994, 57% avg. Cotton continued problems with insects reported. Lack rain plains causing signs moisture stress. Showers slowed harvest along Upper Coast Coastal Bend, made good progress south central. Cotton 93% setting bolls, 100% 1994, 96% avg.; 17% harvested, 20% 1994, 16% avg. Grain sorghum irrigation continued plains help relieve dry conditions. Yields reported Blacklands. Sorghum 74% mature, 69% 1994, 71% avg.; 66% harvested, 63% 1994, 62% avg. Rice some stem rot reported Upper Coast caused yields less than anticipated. Harvest made good progress over week. Peanuts southern blight caused problems Cross Timbers, Blacklands, Edwards Plateau. Worm damage reported southern low Plains. Rice 1% harvested, 2% 1994, 4% avg.; 80% normal, 79% 1994. Soybeans harvest early maturing varieties continued. Late varieties starting mature, soon begin be harvested Blacklands. Soybeans 30% harvested, 19% 1994, 21% avg. Sunflowers 6% harvested, 1% 1994, 4% avg. Oats 1% planted, 3% 1994, 1% avg.

Commercial Vegetables: Rio Grande Valley, pepper planting about finished, land being prepared cabbage planting. San Antonio Winter Garden, high insect problems causing late planting some crops. Watermelon planting almost finished. East Texas, planting cool season crops harvesting sweet potato watermelon continued. Trans-Pecos, most harvest activity completed season. High Plains, some fungicides being sprayed pumpkins. Pecans trees loaded with pecans across state. Irrigation continued to slow nut drop. Scab, weevils, aphids, shuckworms still causing some damage.

Range and Livestock: Pastures remain dry across most state. Livestock remain good condition in spite of lack of moisture. Supplemental feeding increasing in Trans-Pecos. Many stock ponds are also need water. A moist, unstable air mass over Southern Texas brought isolated to scattered thunderstorm activity to much of the area last week. All the districts reported at or below normal rainfall amounts. A few locations recorded over one and a half inches of rainfall, overall rainfall was light. Only the Edwards Plateau received normal amounts of rainfall. Below normal departures 0.20 in. Southern Texas area to 1.03 in. Upper Coast area. Trans-Pecos was the only region to not receive any rainfall.

UTAH: Temperature maximums 7° above normal; minimums 5° above normal. Precipitation State was light with only south central, southeast divisions receiving measurable precipitation.

Days suitable for fieldwork 6.7. Topsoil 34% short, 62% adequate, 4% surplus. Subsoil 33% short, 64% adequate, 3% surplus. Irrigation water supply 4% very short, 10% short, 82% adequate, 4% surplus. Stock water supply 5% very short, 12% short, 81% adequate, 2%

surplus. Spring wheat harvested 94%. Barley harvested 92%. Oats harvested for grain 75%, 85% 1994, 73% avg. Winter wheat seeded 20%, 7% 1994, 19% avg. Corn tasseling 90%; dough stage 10%. Alfalfa hay 3rd cutting 36%, 67% 1994, 52% avg.; seed harvest 2%, 20% 1994. Peaches harvested 45% picked, 85% 1994, 70% avg. Pears harvested 17% picked, 93% 1994, 79% avg. Onions harvested 12%, 16% 1994. Cattle moved from summer range 2%, 22% 1994. Sheep moved from summer range 3%, 15% 1994. Major farm, ranch activities: Harvesting small grains, haying, irrigating, picking peaches, pears, moving cattle, sheep.

VIRGINIA: Temperatures above normal. Extremes 53°; 96°. Precipitation was below normal statewide.

Days suitable for fieldwork 6.3. Topsoil 57% very short, 37% short, 6% adequate. Subsoil 37% very short, 51% short, 12% adequate. Other hay 20% very poor, 28% poor, 43% fair, 9% good. Alfalfa hay 2% very poor, 19% poor, 60% fair, 19% good. Apple 38% fair, 59% good, 3% excellent; harvested 90%, 89% 1994, 50% avg. Peaches harvested 97%, 98% 1994, 99% avg. Corn dough 89%, 100% 1994, 91% avg.; dent stage 68%, 63% 1994, 66% avg.; mature 47%, 48% 1994, 48% avg.; harvested for grain 13%, 4% 1994, 8% avg.; harvested for silage 35%, 27% 1994, 31% avg. Corn 6% very poor, 20% poor, 35% fair, 36% good, 4% excellent. Soybeans 24% very poor, 40% poor, 29% fair, 7% good; blooming 100%, 94% 1994, 94% avg.; setting pods 80%, 76% 1994, 77% avg. Peanut 5% very poor, 27% poor, 57% fair, 11% good. Cotton 28% poor, 59% fair, 13% good. Flue tobacco harvested 60%, 46% 1994, 48% avg. Dark fire harvested 72%, 65% 1994, 55% avg. Burley harvested 25%, 22% 1994, 19% avg. Sun tobacco harvested 55%, 42% 1994, 46% avg. Hot, especially dry conditions persisted during the week. Weekend did bring scattered showers to the some localities in southern areas. Cotton, peanuts, especially soybeans continue to show signs of stress due to the dry conditions, extended high temperatures.

WASHINGTON: Temperatures 1° below to 1° above normal west; 4° below to 1° above normal east. Precipitation 0.02 to 0.14 in. west; none to 0.19 in. east. Weather conditions ideal for harvest.

Days suitable for fieldwork 7.0. Topsoil 27% short, 73% adequate; subsoil 14% short, 86% adequate. Irrigation water supply 100% adequate. Winter wheat yields reported as average to excellent with good quality. Late blight in potatoes reported on west side of state. Cabbage seed was drying. Spinach seed, alfalfa seed, mint, oysters, clams were harvested. Fruit crop was in excellent condition, with moderate yields reported. Pepper, tomato yields were low. Late blight found in tomatoes. Cranberries showed coloration. D'anjou pears, Asian pears, Bartlett pears, Gala apples, blueberries, tomatoes, peppers, summer squash, green beans, lima beans, sweet corn, cauliflower, broccoli, cucumbers, onions, carrots were harvested. Pastures were dry, forage looked good. Some hay was rained on. Winter wheat, dryland 6% poor, 15% fair, 56% good, 23% excellent; irrigated, 84% good, 16% excellent. Spring wheat dryland 5% poor, 25% fair, 52% good, 18% excellent; irrigated, 93% good, 7% excellent. Barley dryland 2% poor, 17% fair, 58% good, 23% excellent; irrigated, 100% good. Potatoes 15% fair, 85% good. Corn 100% good. Dry edible beans 100% good. Hay, other roughage supplies 3% short, 93% adequate, 4% surplus. Winter wheat, 91% harvested, 100% 1994, 95% avg.; 14% planted, 16% 1994, 11% avg.; 4% emerged, 2% 1994, 2% avg. Spring wheat 85% harvested, 100% 1994, 86% avg. Barley 83% harvested, 100% 1994, 86% avg. Alfalfa 3rd cutting, 85% harvested, 80% 1994, 69% avg. Dry peas 81% harvested, 100% 1994, 87% avg. Potatoes 18% harvested, 15% 1994, 21% avg. Dry beans 12% harvested, 14% 1994, 13% avg.

WEST VIRGINIA: Temperature 72°. Extremes 39°; 98°. Temperatures 2 to 4° above normal. Most of the State remained dry again. Greatest precipitation was 1.45 in. reported at Williamson. State averages 0.18 in.

Days suitable for fieldwork 6.5. Topsoil 41% very short, 51% short, 8% adequate. Wheat 97% harvested, 100% 1994. Hay 4% very poor, 20% poor, 40% fair, 36% good; second cutting 83%, 70% 1994, 70% avg.: third cutting 39%, 51% 1994, 54% avg. Corn 3% very poor, 10% poor, 26% fair, 61% good; 78% dough, 66% 1994, 76% avg.; 43% dent; 2% mature. Oats 100% ripe.; 86% harvested, 100% 1994, 100% avg. Soybeans 5% poor, 11% fair, 81% good, 3% excellent; 91% setting pods, 96% 1994; 7% dropping leaves. Tobacco 11% very poor, 8% poor, 25% fair, 56% good; 99% topped, 100% 1994, 95% avg.; 42% harvested, 38% 1994, 38% avg. Apples 10% poor, 25% fair, 65% good. Cattle 2% poor, 23% fair, 72% good, 3% excellent. Sheep 4% poor, 33% fair, 61% good, 2% excellent. Activities: Making hay, chopping corn for silage, marketing cattle, topping tobacco, harvesting apples, oats, tobacco, wheat.

WISCONSIN: Temperature 70°, 5° above normal. Extremes 42°; 93°. Precipitation 0.40 to 1.20 in.

Days suitable for fieldwork 3.9. Soil moisture 14% short, 67% adequate, 19% surplus. General condition of crops 1% poor, 15% fair, 72% good, 12% excellent. Oats harvested 95%, 100% 1994, 90% avg. Third cutting hay harvest 42%, 42% 1994, 42% avg. Range, pasture 1% very poor, 6% poor, 22% fair, 62% good, 9% excellent. Soybean 2% poor, 18% fair, 62% good, 18% excellent; bloomed 99%, NA 1994, NA avg.; setting pods 84%, NA 1994, NA avg.; leaves turning 10%, 16% 1994, 17% avg. Warm weather throughout the summer continued into this week, has pushed crop progress ahead of last year and the 5-year averages. Reporters in several counties have mentioned that the corn did not pollinate properly. Most of the reports showed that the ear did not fill out to the tip. Harvest of corn for silage has begun. One reporter noted that this was the earliest he had ever harvested corn for silage. Farmers found it difficult to harvest third crop alfalfa with the persistent rainshowers. Early indications showed that the third crop alfalfa had better quantity, quality than second crop alfalfa. The excessive moisture in the east central district raised concern over whether or not the ground will be suitable to plant winter wheat. Late planted sweet corn yields have been much better than early planted sweet corn.

WYOMING: Temperatures 3 to 11° above normal across the State. Extremes 32° Jackson; 100° Sheridan, Torrington. Precipitation 0.10 to 0.70 in. below normal. Exception was in the northeast where precipitation was from 0.10 to 0.20 in. above normal. Kaycee received the greatest amount of precipitation at 0.93 in.

Days suitable for fieldwork 6.7. Topsoil 47% adequate. Winter wheat planted for harvest 1996 23%, 31% 1994, 25% avg. Spring Wheat 100% good; 98% mature, 100% 1994, 96% avg.; 53% harvested, 95% 1994, 75% avg. Oats 1% very poor, 12% fair, 79% good, 8% excellent; 91% mature, 95% 1994, 95% avg.; 61% harvested, 76% 1994, 67% avg. Barley 98% mature, 97% 1994, 97% avg.; 82% harvested, 88% 1994, 80% avg. Dry beans 33% fair, 61% good, 6% excellent; 98% leaves turning color, 98% 1994, 86% avg.; 28% windrowed, 62% 1994, 25% avg.; 12% combined, 24% 1994, 8% avg. Potatoes 100% good; none harvested, 2% 1994, 6% avg. Corn 77% fair, 23% good; 61% dough, 97% 1994, 68% avg.; 15% dent, 74% 1994, 30% avg. Alfalfa 2nd cutting 67% complete, 92% 1994, 80% avg.; 3rd cutting 11% complete, 18% 1994, 9% avg. Other hay 94% harvested, 99% 1994, 98% avg. Irrigation water supplies 3% sjprt, 93% adequate, 4% surplus.

International Weather and Crop Summary
August 27 - September 2, 1995

HIGHLIGHTS

FSU-WESTERN: Beneficial rain covered Ukraine, prompting widespread winter grain planting.

FSU-NEW LANDS: Dry weather favored spring grain harvesting in western Russia and Kazakhstan.

EUROPE: Soaking rain covered the north and east, while unfavorable dryness continued over the west.

SOUTH ASIA: Heavy showers soaked India's immature grains, oilseeds, and cotton, with some flood damage likely to cotton and rice.

CANADA: Warmer, drier weather aided development of immature grains and oilseeds.

AUSTRALIA: Much-needed rain brought some drought relief to eastern Australia's reproductive winter grains.

EASTERN ASIA: Widespread rain benefited summer crops across the North China Plain and Manchuria. Typhoon Kent caused some damage to coastal crops in southern China, while heavy rain exacerbated flooding in South Korea.

SOUTHEAST ASIA: Tropical cyclones brought heavy rain and flooding to portions of Vietnam and the northern Philippines.

SOUTH AMERICA: In Argentina, most of the wheat belt remained dry, stressing vegetative winter wheat.

MEXICO: Seasonable showers continued to benefit filling corn across the main corn belt.

August 1995
MONTHLY DATA FROM SELECTED FOREIGN CITIES
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
****** = DATA NOT AVAILABLE***

COUNTRY	CITY	TEMPERATURE (C) AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	PRECIPITATION (MM) TOTAL	DPART F/NRM
NORWAY	OSLO	23	11	28	4	17	2.8	12	-78
SWEDEN	STOCKHOLM	24	12	30	3	18	1.8	47	-18
FINLND	HELSINKI	22	9	29	6	16	0.8	55	-25
U KING	GLASGOW	23	12	30	5	17	1.9	19	-72
	EDINBURGH	22	12	31	7	17	2.4	12	-54
	BIRMINGHAM	26	13	32	7	19	3.7	9	-59
	LONDON	26	14	33	8	20	3.5	1	-55
IRELND	DUBLIN	23	12	27	7	18	2.6	7	-64
ICELND	REYKJAVIK	12	9	15	6	11	0.4	86	24
DENMRK	COPENHAGEN	24	14	29	8	19	1.6	20	-46
LUXEMB	LUXEMBOURG	25	15	32	7	20	3.1	47	-25
SWITZL	ZURICH	22	14	30	7	18	1.3	177	40
	GENEVA	25	15	33	8	20	2.0	60	-20
FRANCE	PARIS/ORLY	27	16	35	10	22	***	36	**
	STRASBOURG	25	15	32	8	20	1.6	53	-14
	BOURGES	27	15	34	8	21	2.2	67	7
	BORDEAUX	28	17	34	10	23	3.2	24	-30
	TOULOUSE	28	17	35	8	23	2.0	22	-25
	MARSEILLE	29	20	34	13	25	1.6	41	13
SPAIN	VALLADOLID	30	14	36	8	22	1.4	1	-11
	MADRID	33	18	37	13	25	1.5	2	-8
	SEVILLE	36	22	42	19	29	1.0	0	-4
PORTUG	LISBON	30	20	38	16	25	2.2	0	-7
GERMNY	HAMBURG	26	14	32	6	20	2.9	81	12
	BERLIN	26	15	32	10	20	2.0	37	-24
	DUSSELDORF	27	14	33	5	20	2.4	31	-47
	LEIPZIG	25	14	31	8	20	2.1	53	-6
	DRESDEN	25	15	32	8	20	1.7	63	-9
	STUTTGART	24	14	31	7	19	2.0	93	-5
	NURNBERG	25	14	32	8	19	1.5	72	7
AUSTRI	VIENNA	25	14	31	10	20	0.4	66	4
	INNSBRUCK	22	13	30	6	18	0.3	182	63
CZECH	PRAGUE	24	12	30	7	18	1.1	42	-27
POLAND	WARSAW	25	12	32	7	18	1.0	52	-8
	LODZ	25	12	32	7	18	1.6	61	-7
	KATOWICE	23	12	30	6	18	1.0	77	-14
	PRZEMYSL	23	13	30	7	18	0.8	73	-4
HUNGAR	BUDAPEST	26	16	31	9	21	0.8	63	11
F YUGO	BELGRADE	28	17	34	10	22	0.9	69	15
ROMANI	BUCHAREST	28	14	32	8	21	-1.1	39	-14
BULGAR	SOFIA	25	14	29	6	20	1.4	93	55
ITALY	MILAN	29	18	34	10	24	1.6	57	-35
	VERONA	28	18	34	8	23	0.0	109	17
	VENICE	27	18	31	11	23	0.2	67	-15
	GENOA	28	21	32	15	25	0.2	54	0
	ROME	28	19	32	13	24	-0.1	60	28
	NAPLES	30	21	36	15	25	1.5	60	15
GREECE	THESSALONIKA	30	20	33	15	25	-0.8	46	24
	LARISSA	31	18	34	15	24	-1.5	14	-2
	ATHENS	32	23	36	20	27	-0.1	1	-3
TURKEY	ISTANBUL	29	20	32	18	25	1.2	10	-11
	ANKARA	29	14	34	8	21	-2.0	8	-29
CYPRUS	LARNACA	33	23	37	19	28	0.3	0	-1
ESTONI	TALLINN	21	11	27	6	16	0.8	56	-21
FSU	ST.PETERSBRG	21	13	27	8	17	0.8	41	-38
LITHUA	KAUNAS	23	12	31	7	18	1.3	37	-29
FSU	MINSK	23	13	30	9	18	1.6	52	-21
	KAZAN	22	13	30	7	18	0.3	39	-30
	MOSCOW	22	12	28	7	17	0.6	64	-10
	YEKATERINBURG	22	12	31	6	17	1.8	34	-31
	OMSK	23	12	32	5	17	1.2	28	-26
	KUSTANAY	26	13	35	5	20	1.9	71	39
	NOVOSIBIRSK	24	13	32	5	18	2.0	60	6
	BARNAUL	25	14	33	6	19	2.4	61	10
	KHABAROVSK	25	15	30	10	20	0.8	139	-9
	VLADIVOSTOK	22	19	27	16	20	1.0	183	27
	KIEV	25	15	31	9	20	1.3	71	1
	LVOV	24	12	29	5	18	1.2	37	-38
	KIROVOGRAD	26	13	31	8	20	-0.4	77	32
	ODESSA	26	18	31	11	22	0.8	28	-6

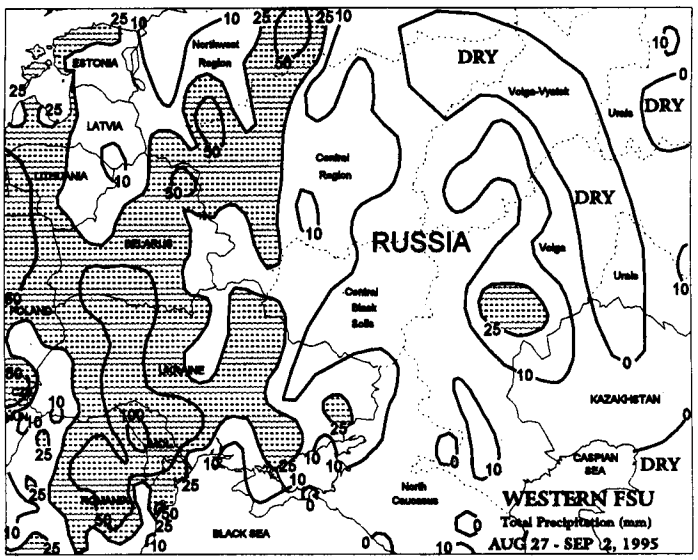
Based on Preliminary Reports

August 1995

COUNTRY	CITY	TEMPERATURE (C) AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	PRECIPITATION (MM) TOTAL	DPART F/NRM
FSU	YALTA	28	20	32	15	24	0.0	38	12
	SARATOV	24	16	32	9	20	1.3	69	28
	KHARKOV	25	14	30	9	19	0.1	20	-58
	VOLGOGRAD	27	16	34	8	21	-1.1	34	4
	ROSTOV	27	17	33	12	22	-0.4	45	9
	ASTRAKHAN	31	18	35	11	25	1.4	15	-4
	KRASNODAR	29	16	34	11	23	-0.4	44	-12
	ORENBURG	27	14	34	7	21	1.0	16	-16
	TSELINOGRAD	26	14	36	7	20	2.0	52	18
	KARAGANDA	**	**	34	7	**	***	**	**
	TBILISI	31	20	36	16	25	1.6	14	-31
	TASHKENT	35	18	42	12	27	1.2	0	-1
	ASHKHABAD	38	23	43	18	30	1.5	0	-1
SYRIA	DAMASCUS	37	17	41	12	27	0.7	0	0
ISRAEL	JERUSALEM	30	19	35	17	24	1.3	0	0
PAKIST	KARACHI	32	27	34	26	29	0.4	5	-59
INDIA	AMRITSAR	32	26	35	23	29	-0.9	307	128
	NEW DELHI	32	26	35	24	29	-0.7	439	185
	AHMEDABAD	33	26	35	24	30	1.2	75	-175
	INDORE	30	23	33	22	26	0.9	205	-108
	CALCUTTA	33	27	36	24	30	0.9	305	17
	VERAVAL	30	27	31	25	28	1.1	37	-142
	BOMBAY	31	26	33	24	29	1.9	411	-250
	POONA	29	22	31	21	26	1.1	41	-84
	BEGAMPET	31	23	33	20	27	1.0	184	24
	VISHAKHAPATNAM	31	27	34	24	29	***	93	**
	MADRAS	34	25	36	22	30	-0.3	376	219
	MANGALORE	29	24	32	22	27	0.4	683	106
H KONG	KINGS PEAK	30	25	34	23	28	***	991	**
N KREA	PYONGYANG	27	21	31	17	24	-0.5	625	393
S KREA	SEOUL	29	24	34	19	27	1.1	779	555
JAPAN	SAPPORO	25	19	28	16	22	0.0	162	16
	NAGOYA	36	26	39	22	31	3.7	51	-95
	TOKYO	34	26	36	25	30	3.1	32	-116
	YOKOHAMA	33	26	35	24	30	3.3	4	-128
	KYOTO	36	25	38	21	31	3.0	22	-154
	OSAKA	35	27	36	23	31	2.6	39	-57
THAILN	PHETCHABUN	32	24	34	23	28	0.8	215	16
	BANGKOK	33	26	34	24	29	0.4	362	165
MALAYS	KUALA LUMPUR	32	24	33	23	28	1.1	301	165
VIETNM	HANOI	31	26	34	24	29	0.5	383	40
CHINA	HARBIN	26	16	31	8	21	-0.6	28	-76
	HAMI	33	16	39	11	24	-0.7	7	2
	LANCHOW	26	16	30	13	21	-0.1	109	35
	BEIJING	29	22	33	19	26	1.1	141	-41
	TIENTSIN	29	22	33	18	26	-0.4	167	8
	LHASA	21	10	24	6	15	-0.3	143	11
	KUNMING	24	17	28	14	21	1.3	240	35
	CHENGCHOW	30	22	33	19	26	0.7	157	44
	YEHCHANG	32	25	36	22	28	0.9	127	-57
	HANKOW	33	26	37	23	30	1.0	154	26
	CHUNGKING	34	25	39	21	29	***	52	**
	CHIHKIANG	33	23	37	20	28	1.0	60	-58
	WU HU	33	25	37	22	29	***	56	**
	SHANGHAI	33	26	36	24	30	***	215	**
	NANCHANG	33	26	37	24	29	0.3	33	-66
	TAIPEI	33	26	35	24	30	1.5	203	-82
	CANTON	32	26	35	24	29	0.2	333	124
	NANNING	32	25	35	24	29	0.1	216	-2
CNRY I	LAS PALMAS	28	22	33	21	25	1.1	0	0
MOROCC	CASABLANCA	26	21	31	17	24	0.9	0	-1
	MARRAKECH	36	21	43	15	29	1.0	0	-2
ALGERI	ALGER	32	19	34	15	25	0.3	43	40
	BATNA	32	15	39	8	24	-0.1	9	-12
TUNISI	TUNIS	34	23	39	20	29	1.9	6	-1
NIGER	NIAMEY	33	24	37	21	28	0.3	206	40
MALI	TIMBUKTU	38	27	47	20	32	1.8	88	25
	BAMAKO	31	22	33	20	26	0.5	308	28
MAURIT	NOUAKCHOTT	35	26	40	22	30	1.9	15	-14
SENEGL	DAKAR	30	25	31	23	28	0.6	284	122
CHAG A	DIEGO GARCIA	28	25	30	23	27	0.7	111	-73
LIBYA	TRIPOLI	37	24	43	18	30	4.1	0	0
	BENGHAZI	33	24	40	19	28	1.6	0	0
EGYPT	CAIRO	34	23	40	18	29	0.7	0	0
	ASWAN	42	27	46	25	34	1.3	0	0

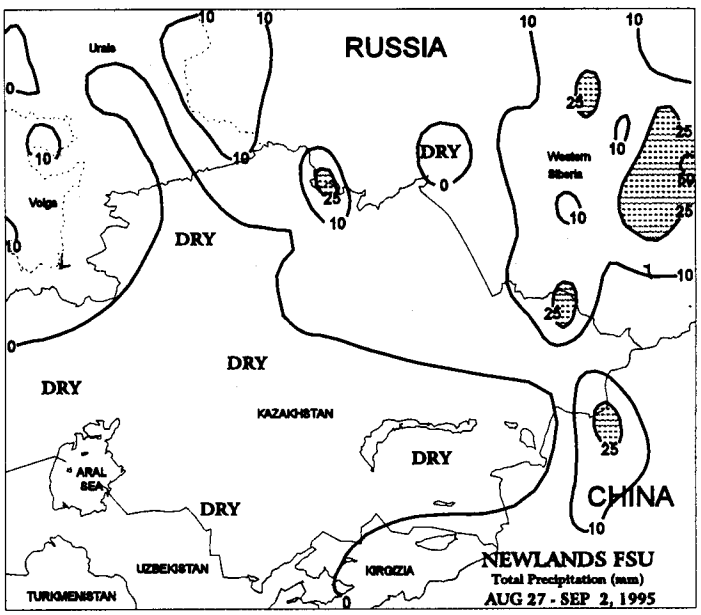
COUNTRY	CITY	TEMPERATURE (C) AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	PRECIPITATION (MM) TOTAL	DPART F/NRM
ETHIOP	ADDIS ABABA	**	**	23	9	**	***	**	**
KENYA	NAIROBI	24	12	28	5	18	0.4	19	5
TANZAN	DAR ES SALAAM	29	19	31	17	24	0.0	103	76
GABON	LIBREVILLE	28	22	31	21	25	0.8	33	26
TOGO	LOME	29	24	31	22	26	1.2	40	14
B FASO	OUAGADOUGOU	31	23	34	20	27	0.5	258	39
IVRY C	ABIDJAN	**	**	30	22	**	***	**	**
MOZAMB	MAPUTO	26	16	36	10	21	0.9	126	113
ZAMBIA	LUSAKA	27	12	34	5	19	0.9	0	0
ZIMBAB	HARARE	25	11	30	8	18	2.5	7	5
S AFRI	PRETORIA	23	8	29	2	16	1.1	4	-1
	JOHANNESBURG	20	6	26	-3	13	0.5	8	3
	BETHAL	22	4	25	-5	13	1.3	10	1
	DURBAN	24	12	35	4	18	0.3	11	-51
	CAPE TOWN	18	8	28	1	13	0.3	72	-6
CANADA	TORONTO	27	17	34	8	22	2.2	135	51
	MONTREAL	26	15	31	8	20	0.9	120	20
	WINNIPEG	27	13	34	8	20	1.6	109	34
	REGINA	24	11	37	6	18	-0.6	117	77
	SASKATOON	22	9	33	5	15	-2.0	85	49
	LETHBRIDGE	24	6	31	2	15	-2.5	15	-28
	CALGARY	20	7	27	2	14	-2.1	35	-14
	EDMONTON	19	9	28	0	14	-3.0	**	**
	VANCOUVER	20	13	27	9	17	-0.8	70	32
MEXICO	GUADALAJARA	26	18	31	16	22	1.1	151	-61
	MEXICO CITY	23	14	27	12	18	1.7	246	142
	ACAPULCO	33	25	35	21	29	0.1	296	52
BERMUD	ST. GEORGES	28	25	30	23	26	-1.0	107	-39
BAHAMA	NASSAU	32	25	34	22	28	0.5	120	-106
CUBA	HAVANA	31	25	34	22	28	0.5	128	29
JAMAIC	KINGSTON	32	25	34	23	29	0.3	89	3
P RICO	SAN JUAN	33	26	34	23	29	1.0	131	-4
GUADEL	RAIZET	33	25	34	23	29	1.5	63	-68
MARINQ	LAMENTIN	31	25	33	22	28	1.4	270	28
BARBAD	BRIDGETOWN	30	25	32	23	28	0.4	139	-7
TRINID	PORT OF SPAIN	33	24	34	23	28	1.7	134	-100
COLOMB	BOGOTA	19	8	21	5	14	0.6	99	59
VENEZU	CARACAS	28	21	30	19	24	-2.5	111	59
F GUIA	CAYENNE	32	23	34	21	27	1.3	147	-18
BRAZIL	FORTALEZA	29	22	30	21	26	-0.4	1	-27
	RECIFE	27	21	28	17	24	-0.2	38	-164
	BELO HORIZONTE	28	17	32	15	22	1.9	0	-16
	CAMPO GRANDE	32	18	36	10	25	3.6	0	-45
	FRANCA	29	18	32	15	23	5.4	0	-23
	LONDRINA	**	15	34	12	**	***	21	-35
	SANTA MARIA	20	11	33	-2	**	***	130	-8
	PORTO ALEGRE	22	11	36	1	17	1.2	94	-20
PERU	LIMA	18	15	21	14	16	-0.4	1	-1
BOLIVI	LA PAZ	16	-2	18	-5	7	0.2	10	-6
CHILE	SANTIAGO	16	2	25	-3	9	-0.4	4	-45
ARGENT	IGUAZU	27	14	35	1	20	***	23	**
	FORMOSA	26	14	37	3	20	2.6	2	-59
	CERES	21	6	34	-3	13	-0.4	0	-23
	CORDOBA	20	5	37	-2	12	0.1	0	-11
	RIO CUARTO	18	5	29	-3	11	0.2	0	-15
	ROSARIO	19	5	33	-8	12	0.6	1	-36
	BUENOS AIRES	16	5	26	-3	10	-0.3	2	-56
	SANTA ROSA	18	2	30	-7	10	0.3	8	-15
	TRES ARROYOS	14	3	24	-5	9	0.1	37	-6
N CALD	NOUMEA	23	18	32	16	20	0.6	91	21
FIJI	NAUSORI	25	21	28	17	23	0.6	93	-46
SAMOA	PAGO PAGO	30	26	31	23	28	1.4	470	300
TAHITI	PAPEETE	30	22	31	17	26	1.2	32	-16
PA N G	PORT MORESBY	29	23	31	22	26	0.2	40	13
AUSTRL	DARWIN	31	21	33	17	26	-0.2	7	-1
	MOREE	**	**	**	**	**	***	1	-37
	BRISBANE	21	10	24	2	15	-0.5	22	-24
	PERTH	18	9	23	4	14	0.6	77	-34
	CEDUNA	20	6	29	2	13	0.3	20	-15
	ADELAIDE	17	7	24	2	12	-0.1	28	-23
	MELBOURNE	15	5	23	1	10	-0.5	31	-20
	WAGGA	16	5	25	-2	10	1.2	16	-42
	CANBERRA	15	2	22	-4	9	1.8	20	-31
INDONE	DJAKARTA	**	**	34	19	**	***	**	**
PHILIP	MANILA	31	26	33	24	29	1.3	528	-36

Based on Preliminary Reports



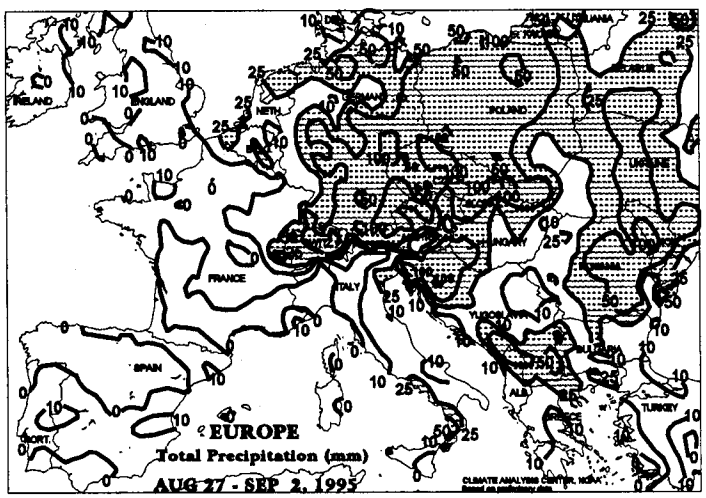
FSU-WESTERN

Widespread rain (12-68 mm) fell from the Baltics southward through Belarus, into Ukraine, benefiting immature summer crops, and providing topsoil moisture for winter grain planting. Rainfall in Ukraine was sufficient to prompt widespread planting. Winter grain planting in Ukraine typically begins in early September and continues throughout the month. In Russia, light, scattered showers (generally less than 10 mm, with local amounts in excess of 10 mm) covered most crop areas. Additional rain is needed in North Caucasus and lower Volga Valley for immature summer crops and to recharge topsoil moisture for winter grain planting, typically underway in September. Weekly temperatures averaged 2 to 8 degrees Celsius (C) above normal over Russia and near normal over the Baltics, Belarus, and Ukraine.



FSU-NEW LANDS

In Russia, warm, dry weather over the Urals and the western half of Western Siberia favored spring grain maturation and harvesting. Farther east, cool, damp weather (10-40 mm) over the eastern half of Western Siberia slowed maturation and early harvesting. In Kazakhstan, several days of warm, dry weather allowed rapid spring grain harvesting. The bulk of spring grains in Russia and Kazakhstan usually are harvested in September.

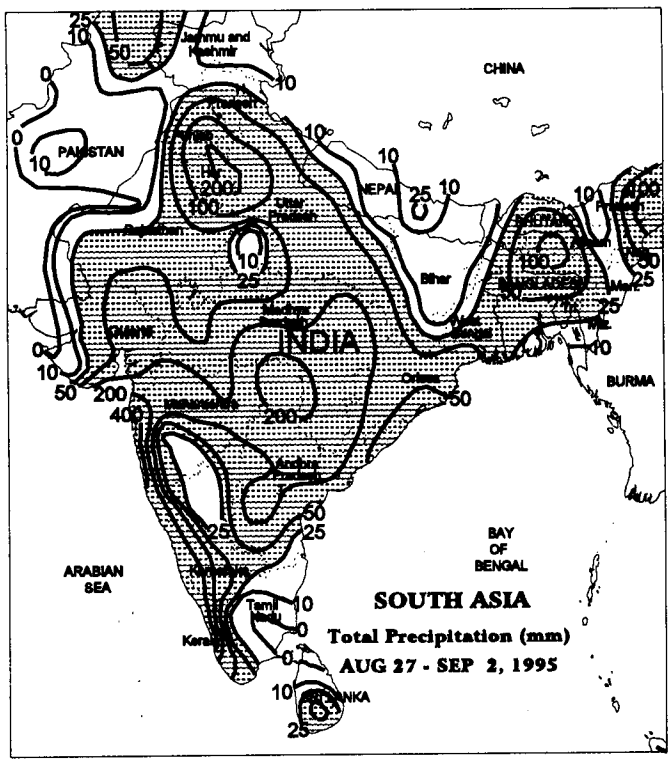


EUROPE

A storm system intensified over northeastern Europe, bringing widespread precipitation and ushering in fall-like temperatures. Soaking rain (25-75 mm, with local amounts in excess of 80 mm) covered Germany, Poland, the Czech Republic, Slovakia, and northern Hungary, benefiting immature summer crops and increasing topsoil moisture for winter grain and oilseed planting. In contrast, little, if any, precipitation covered the United Kingdom, France, and Spain, where a lack of moisture continued to stress nonirrigated summer crops (corn, sugar beets, and sunflowers). However, weekly temperatures averaged near to slightly below normal over England and France, lowering heat stress. In southeastern Europe, light to moderate showers (10-38 mm) over crop areas in Romania, Former Yugoslavia, and Bulgaria benefited immature summer crops and increased topsoil moisture for upcoming winter grain planting.

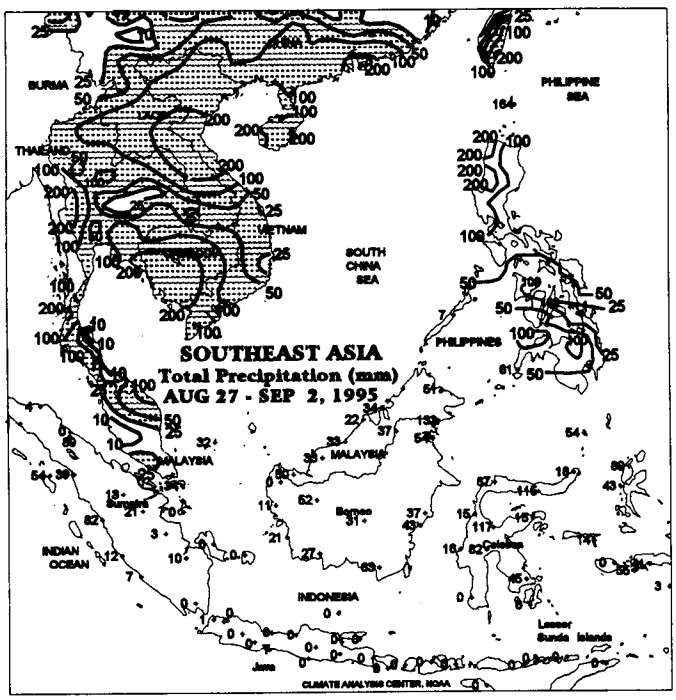
SOUTH ASIA

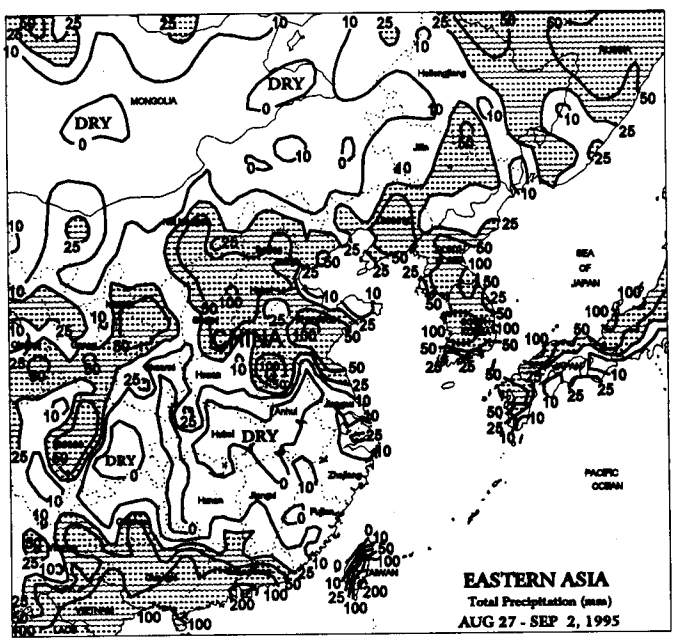
Moderate to heavy rain (50-100 mm or more) continued over a broad area of central and northern India, maintaining generally adequate moisture reserves but resulting in some flooding. Inundating rain (100-246 mm) in primary northern cotton areas (Punjab and Haryana) caused some flooding and possible crop damage while raising concerns for disease and pest infestation. Farther south, needed rain (25-50 mm or more, locally exceeding 100 mm) brought some relief to coarse grain, oilseed, and cotton areas, including western Gujarat's groundnut region, which had been trending dry for about 4 weeks. In contrast, a dry pocket persisted over northern rice areas (eastern Uttar Pradesh and Bihar), reducing moisture available to rice. In Pakistan, where the monsoon has shown signs of retreating, rainfall averaged 1 to 15 mm. During September, the monsoon typically withdraws from Pakistan and India's northwestern crop areas.



SOUTHEAST ASIA

Tropical Storm Lois struck Vietnam's Red River Delta on August 29, with sustained winds of 60 to 65 knots (69-75 mph), causing some coastal rice damage. However, Lois produced widespread heavy rain (125-250 mm) across the northern third of Vietnam, possibly damaging maturing 10th month rice. Heavy rain (125-260 mm) also extended into Laos and extreme northeastern Thailand, causing flooding. Moderate showers (30-70 mm, with isolated amounts greater than 100 mm) covered the remainder of Thailand, keeping moisture supplies adequate for corn, rice, and sugarcane. Typhoon Kent brushed the northern Philippines during the week, helping to produce heavy rain (110-250 mm, with an isolated amount near 350 mm) across western Luzon, causing flooding. Elsewhere across the Philippines, mostly moderate showers (20-70 mm) benefited rice and sugarcane. Unseasonably dry weather continued across Java, reducing moisture supplies for primary corn and soybeans and secondary rice.



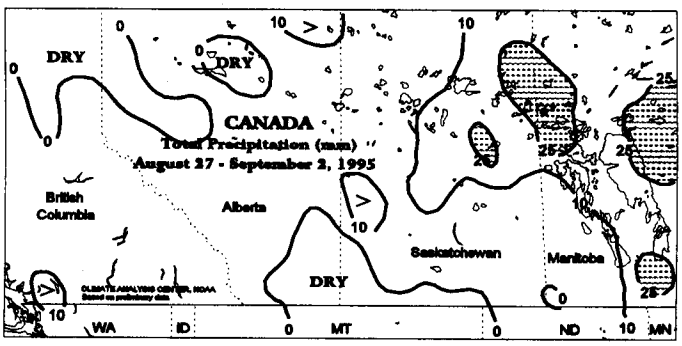


EASTERN ASIA

Widespread rain (15-60 mm, with scattered amounts greater than 75 mm) covered most of the North China Plain and Manchuria, aiding late-filling summer crops but slowing early harvesting. The rain also increased topsoil moisture for winter wheat planting, which typically begins in the North China Plain by mid-September. Widespread rain also covered the upper and middle Yellow River Basins, increasing irrigation supplies. Mostly warm and sunny weather (temperatures 2-4 degrees C above normal) prevailed across the Yangtze Valley, favoring reproductive to filling double-rice, but reducing irrigation supplies. Tropical Cyclone Lois hit southern Hainan Island on August 27, with sustained winds of 55 to 65 knots (63-75 mph) causing some crop damage and helping to produce weekly rainfall of 70 to 234 mm across the island. Typhoon Kent slammed into Guangdong, just east of Hong Kong, on August 31, with sustained winds of 100 to 105 knots (115-121 mph), causing damage to coastal rice and sugarcane. Heavy rain (150-230 mm) fell near the coast, and widespread showers (50-150 mm) were reported across extreme southern China (Guangxi and Guangdong) as the remnants of Kent moved west-northwestward across the region. Before hitting mainland China, Kent brought heavy rains (100-290 mm) to southeastern Taiwan, causing some flooding. Heavy rains (50-150 mm, with isolated amounts near 250 mm) exacerbated flooding in northern South Korea. Widespread rain (10-50 mm) covered most of Japan, with heavier amounts (40-100 mm) concentrated in the north.

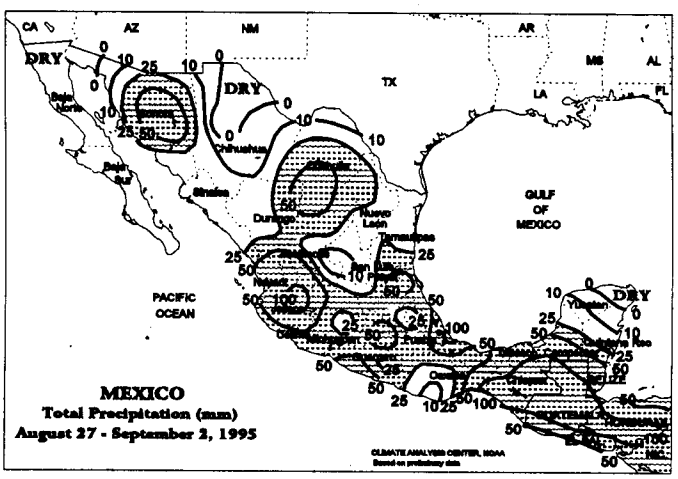
CANADA

Warmer, drier weather continued over most of Alberta and Manitoba. The turn to warmer weather in Alberta has been especially beneficial in advancing filling grains and oilseeds toward maturity. Scattered showers (5-25 mm or more) continued throughout Saskatchewan's central and northern crop areas, keeping maturing crops unfavorably wet. Temperatures across the Prairies averaged near to above normal, but patchy frost may have occurred in some far western grain areas. In Ontario and Quebec, unseasonably warm, dry weather continued throughout the primary rain and soybean areas, although a swath of heavy rain (25-75 mm) soaked crop areas north of Lake Erie.



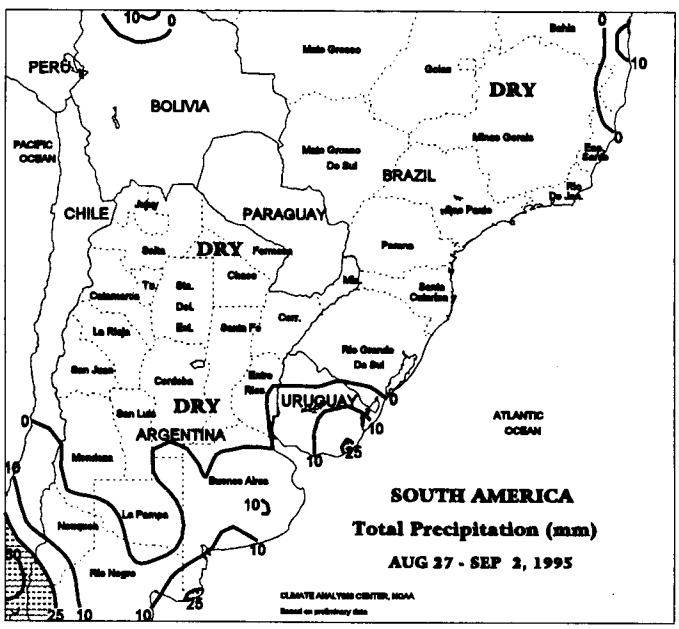
MEXICO

Seasonable showers (15-60 mm, with isolated amounts greater than 100 mm) continued across the Southern Plateau corn belt, aiding filling corn. Northeastern and north-central Mexico (Durango, Coahuila, Nuevo Leon, and Tamaulipas) received significant rain (10-45 mm), increasing irrigation supplies and bringing relief to drought-stressed pastures. Hurricane Henriette brushed western Mexico, helping to enhance showers (20-40 mm) over the western vegetable areas of Sinaloa.



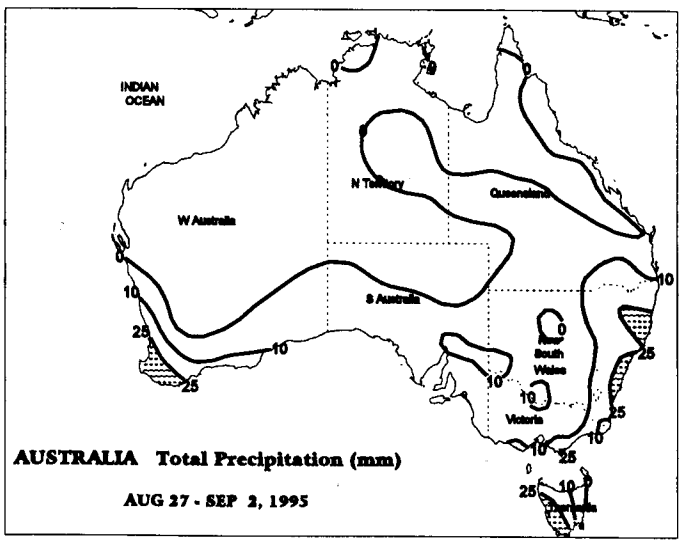
SOUTH AMERICA

In Argentina, light rain (5-15 mm, with an isolated amount of 25 mm) fell across extreme southern Buenos Aires, increasing topsoil moisture for germinating wheat. However, mostly dry weather prevailed elsewhere across the main wheat belt, stressing vegetative winter grains. Above-normal temperatures (1-3 degrees C) further reduced soil moisture across the region. In addition to winter crops, moisture is needed for corn planting, which typically begins in early to mid-September. In southern Brazil, mostly dry weather favored filling to maturing winter wheat across Parana and Mato Grosso do Sul. Farther south, in Rio Grande do Sul, soil moisture should still be adequate for reproductive to filling winter wheat. Temperatures averaged 3 to 5 degrees C above normal across southern Brazil.



AUSTRALIA

Highly beneficial rain (10-30 mm) brought some relief to drought-stricken grains in eastern Australia (southern Queensland and northern New South Wales) late in the week. Prior to the rain, about 3 weeks of warm weather, coupled with the prolonged dry spell in that region, had pushed winter grains into or near reproduction. A continuation of seasonable rain and temperatures is needed to sustain normal crop growth. Elsewhere, moderate showers (10-31 mm) fell along the Victoria/New South Wales border, but only light rain extended from central Victoria westward. Weekly temperatures in the southeastern winter grain areas (South Australia to southern New South Wales) were seasonable, but lows dipped below 5 degrees C, likely resulting in some localized frost. In Western Australia, scattered rain (2-20 mm) covered southwestern crop areas, but cool, dry weather continued elsewhere. In New Zealand, moderate to heavy rain (17-76 mm) covered the main pasture lands, with sub-freezing temperatures continuing in central North Island.



The Weekly Weather and Crop Bulletin is published weekly and jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the Weekly Weather Chronicle. It is issued under general authority of the Act of January 12, 1895 (44-USC 213), 53rd Congress, 3rd Session. NOAA is responsible for managing, printing, and distributing the bulletin. The contents may be reprinted freely, with proper credit.

Annual subscriptions: domestic first class $45, foreign $55 (in U.S. funds by international money order or check drawn on U.S. bank) payable to **U.S. Department of Commerce, NOAA.** POSTMASTER: Send address changes to **Weekly Weather and Crop Bulletin, NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 5844, Washington, DC 20250.** Order subscriptions from the office and address listed above. First class postage paid at Washington, DC, and additional mailing offices.

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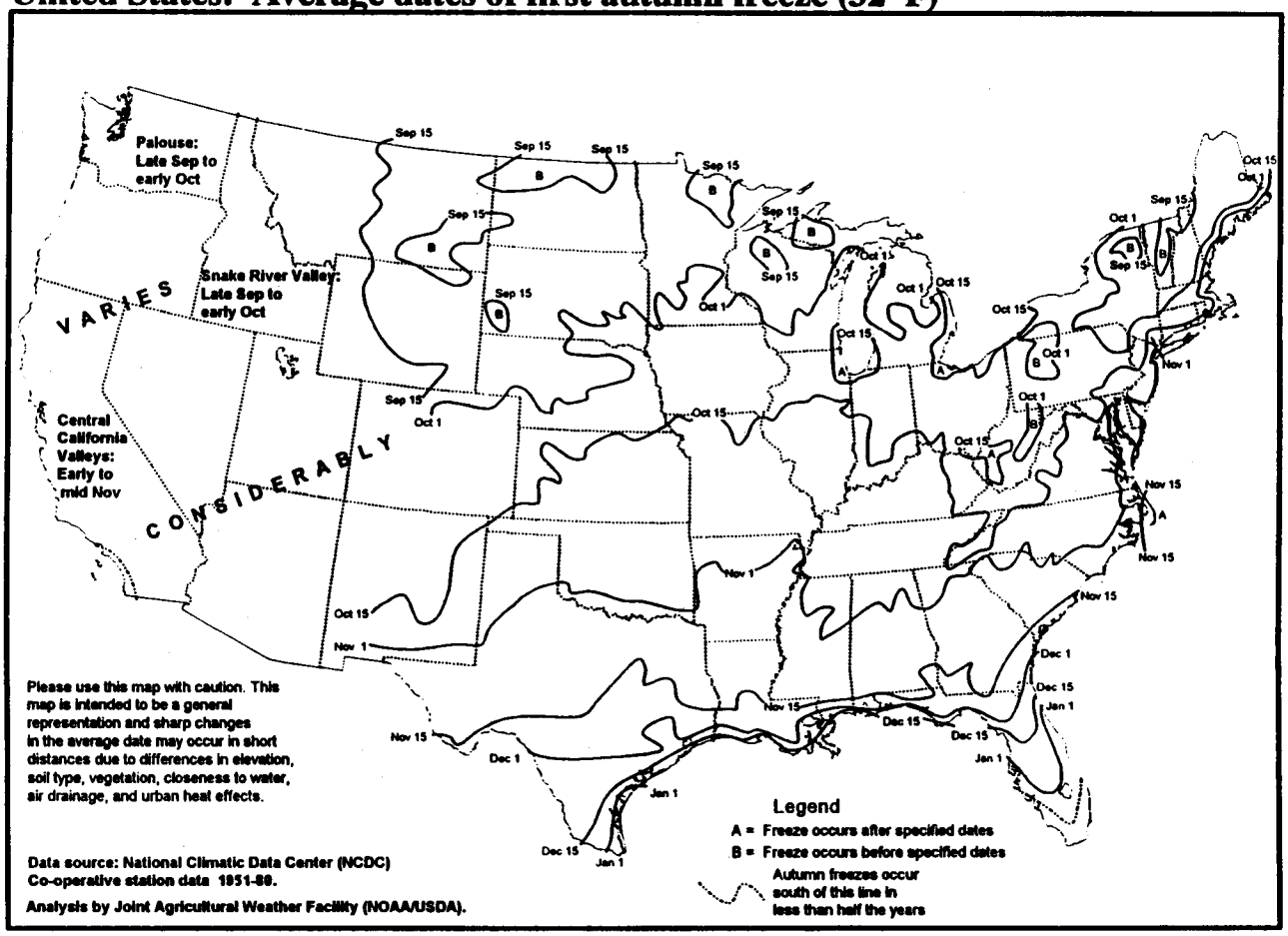
United States: Average dates of first autumn freeze (32° F)



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